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Foreword

The Hungarian National Seismological Network (HNSN) continued to operate in the previous year's configuration in the most part of the year. In December one temporary AlpArray station has been deployed bringing the total number of the HNSN stations to 28.

During the year 977 local events have been detected by the Network and three Hungarian earthquakes 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 2018 the Hungarian National Seismological Network (HNSN) operated by the CSFK GGI Kövesligethy Radó Seismological Observatory consisted of 15 permanent broadband stations and 13 broadband temporary stations.

During 2018 the number of the HNSN permanent broadband stations did not change. In December 2018 one temporary station (A273A) was redeployed whose equipment were provided by the Swiss-AlpArray SINERGIA program in the the frame of the AlpArray project (<http://www.alparray.ethz.ch>).

Tables 1.1 and 1.2 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 2018

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	CMG-DM24S3	GGI	01.01-12.31
AMBH Ambrózfalva	46.3501	20.7258	88	CMG-3T Radian	CMG-DAS Radian	GGI	01.01-10.10 10.10-12.31
BEHE Becsehely	46.4706	16.7757	289	STS-2	EDR-209	GGI	01.01-12.31
BSZH Besenyszög	47.2996	20.2670	82	CMG-3T	CMG-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	47.3631	18.2605	319	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
EGYH Egyházaskesző	47.4163	17.3319	129	CMG-3T	CMG-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	CMG-DM24S3	GGI	01.01-12.31
MORH Mórággy	46.2149	18.6435	135	STS-2	CMG-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	CMG-DM24S3	MBFSZ GGI	01.01-12.31
TRPA Tarpa	48.1304	22.5391	113	STS-2	CMG-DM24S3	GGI	01.01-12.31

^a Sensors:

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

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

CMG-DM24S3 – Guralp CMG-DM24S3EAM data acquisition system
 CMG-DAS – Guralp CMG-DAS data acquisition system
 EDR-209 – Earth Data EDR-209 24-bit digitizer
 PS-6-24 – Earth Data PS-6-24 24-bit digitizer
 Radian – Guralp Radian 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 2018

Table 1.2: Parameters of the temporary stations of the Hungarian National Seismological Network in 2018

Station	Lat. (°N)	Lon. (°E)	Height (m)	Sensor ^a	Acquisition ^b	Org. ^c	Period ^d
A260A Vassurány	47.2834	16.7056	243	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A261A Óhíd	46.9520	17.1486	171	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A262A Szaknyér	46.8642	16.5276	240	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A263A Hollád	46.6408	17.3149	165	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A264A Tarany	46.1597	17.2897	143	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A265A Kaposfüred	46.4245	17.7954	151	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A266A Gyulaj	46.5256	18.2647	219	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A267A Káloz	46.9463	18.4820	116	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A268A Réde	47.4313	17.9238	201	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A269A Baj	47.6386	18.3824	195	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A270A Szokolya	47.8452	19.0186	152	CMG-3T	CMG-DM24S3	GGI	01.01-12.31
A273A Marócsa	45.9163	17.8161	100	STS-2	Taurus	ETHZ GGI	12.05-12.31
ET1H Gyöngyösoroszi	47.8791	19.8713	400	CMG-3T	CMG-DM24S3	RMKI GGI	01.01-12.31

^a Sensors:

CMG-3T – Guralp CMG-3T broadband seismometer

STS-2 – Streckeisen STS-2 broadband seismometer

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

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

^c Operating organization:

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 2018

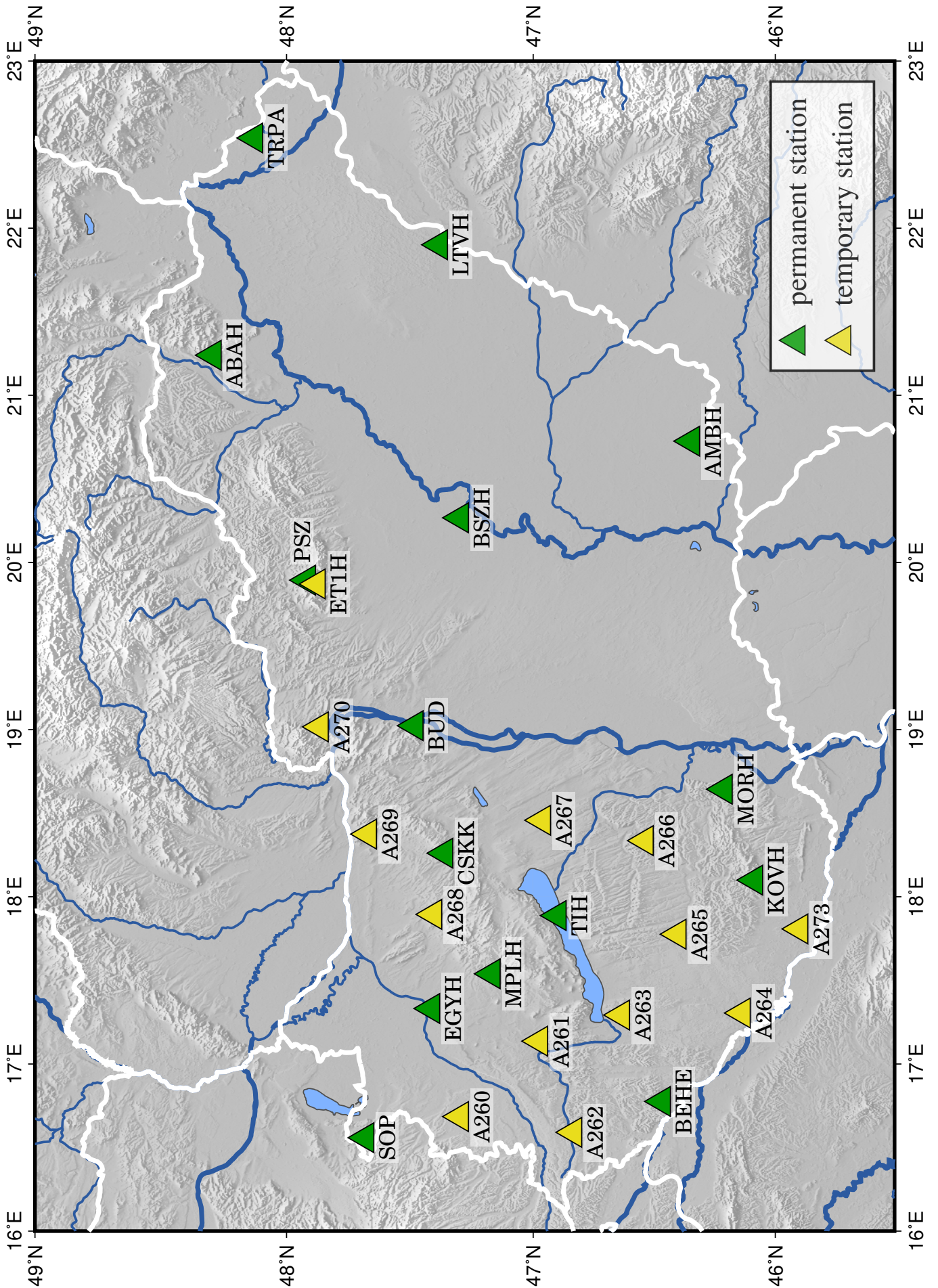


Figure 1.1: Permanent and temporary stations of the Hungarian National Seismological Network in 2018

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 2018, 977 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 248 earthquakes (Fig. 2.1) and 729 quarry explosions (Fig. 2.2) have been identified. Two hundred 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.	2018.01.01	04:33:46.5	48.6762	19.7046	7.6	1.8	EQ	Slovakia
2.	2018.01.01	07:50:31.6	47.3463	18.1624	4.7	1.4	EQ	Nagyveleg
3.	2018.01.01	23:20:51.5	46.1469	16.3123	10.7	2.5	EQ	Croatia
4.	2018.01.02	07:28:56.6	48.6755	19.7066	10.8	1.6	EQ	Slovakia
5.	2018.01.03	02:28:49.7	47.9663	20.4967	3.9	1.7	EQ	Bükkzsérc
6.	2018.01.03	09:47:51.0	48.5334	20.8171	0.0	1.7	EX	Bódvalenke
7.	2018.01.04	10:27:53.5	46.1126	16.5017	7.4	2.3	EX	Croatia
8.	2018.01.04	10:38:03.1	48.6185	20.7108	0.0	1.6	EX	Slovakia
9.	2018.01.04	19:32:37.5	46.0397	16.0801	5.4	2.0	EQ	Croatia
10.	2018.01.05	00:27:07.0	47.0267	17.0255	0.2	1.7	EQ	Zalavég
11.	2018.01.05	14:10:06.6	47.1513	18.0275	3.3	1.7	EQ	Hajmáskér
12.	2018.01.07	22:58:31.3	46.2360	18.3709	5.0	0.9	EQ	Óbánya
13.	2018.01.08	07:41:11.4	47.1270	17.6705	5.0	1.4	EQ	Városlőd
14.	2018.01.08	09:24:12.0	48.5601	20.7519	0.0	1.8	EX	Komjáti
15.	2018.01.09	00:53:22.4	45.7743	18.8735	2.5	1.5	EQ	Croatia
16.	2018.01.09	10:15:20.5	48.5203	20.8256	0.0	2.0	EX	Becskeháza
17.	2018.01.09	11:01:21.2	48.1299	16.9539	0.0	2.2	EX	Austria
18.	2018.01.09	21:42:36.7	46.0836	21.5876	0.0	1.3	EQ	Romania
19.	2018.01.09	22:15:51.2	46.0905	21.6630	3.3	2.0	EQ	Romania
20.	2018.01.10	08:11:29.9	48.0555	20.6911	3.0	1.7	EQ	Bükkszentkereszt
21.	2018.01.10	09:35:21.2	48.5540	20.7901	0.0	1.5	EX	Tornanádaska
22.	2018.01.11	10:28:45.1	47.3116	18.3724	0.0	2.2	EQ	Zámoly
23.	2018.01.11	10:30:23.5	48.5430	20.7471	0.0	1.4	EX	Komjáti
24.	2018.01.11	11:01:27.4	48.1731	16.9175	0.0	1.8	EX	Austria
25.	2018.01.11	12:12:13.5	47.5600	18.4573	0.0	1.9	GT	Tatabánya
26.	2018.01.12	01:31:27.6	47.9777	20.4990	6.0	2.2	EQ	Bükkzsérc
27.	2018.01.13	09:25:04.1	46.0217	18.3335	0.0	-	EQ	Szemely
28.	2018.01.15	09:31:57.6	47.9329	19.8214	0.0	1.7	EX	Mátraszentimre
29.	2018.01.15	09:42:44.3	48.5507	20.7730	0.0	1.8	EX	Komjáti

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
30.	2018.01.15	23:03:10.8	47.4817	18.2328	10.0	-	EQ	Bokod
31.	2018.01.16	09:01:47.9	48.5327	20.7757	0.0	1.7	EX	Tornaszentandrás
32.	2018.01.16	23:56:48.9	46.0348	21.4140	9.2	2.5	EQ	Romania
33.	2018.01.17	05:49:50.4	47.8709	18.3795	6.2	2.3	EQ	Slovakia
34.	2018.01.17	08:47:34.7	48.0471	20.6843	10.0	1.7	EQ	Kisgyőr
35.	2018.01.17	09:58:51.4	48.6638	20.6576	0.0	2.1	EX	Slovakia
36.	2018.01.17	17:01:40.9	46.0444	21.5151	0.0	1.3	EQ	Romania
37.	2018.01.17	18:02:26.7	47.6300	17.9400	11.5	2.0	EQ	Bana
38.	2018.01.18	09:02:15.9	48.5408	20.7701	0.0	1.7	EX	Komjáti
39.	2018.01.18	11:00:57.5	48.1307	17.0027	0.0	2.3	EX	Austria
40.	2018.01.19	09:05:28.0	48.6075	20.7155	0.0	1.3	EX	Slovakia
41.	2018.01.19	09:40:13.5	47.3802	18.4083	0.0	1.8	EX	Gánt
42.	2018.01.19	09:45:34.0	47.3588	18.4168	0.0	-	EX	Gánt
43.	2018.01.19	11:01:40.6	48.4330	18.2107	0.0	1.4	EX	Slovakia
44.	2018.01.19	13:00:42.0	48.4798	17.3585	0.0	1.8	EX	Slovakia
45.	2018.01.19	14:42:58.4	47.0882	18.1153	0.0	1.7	EX	Papkeszi
46.	2018.01.19	22:22:21.9	47.9919	19.2961	5.0	1.3	EQ	Csesztve
47.	2018.01.22	09:00:46.8	48.5547	20.7412	0.0	1.5	EX	Komjáti
48.	2018.01.22	10:14:00.3	45.7658	21.1488	11.7	2.4	EQ	Romania
49.	2018.01.22	10:38:52.2	47.1153	17.9771	0.0	1.6	EX	Litér
50.	2018.01.22	11:53:56.7	48.5402	19.3473	0.0	2.1	EX	Slovakia
51.	2018.01.23	08:59:39.5	48.5477	20.7930	0.0	1.6	EX	Bódvalenke
52.	2018.01.23	11:14:44.8	47.4226	18.7215	10.7	2.3	EQ	Etyek
53.	2018.01.23	22:18:38.5	45.6859	21.4761	9.7	1.4	EQ	Romania
54.	2018.01.24	08:48:07.5	48.6449	20.6925	0.0	1.5	EX	Slovakia
55.	2018.01.25	10:25:32.3	47.2302	18.2835	0.0	1.6	GT	Iszkaszentgyörgy
56.	2018.01.25	11:09:49.1	46.8479	17.3885	0.0	1.9	EX	Lesencetomaj
57.	2018.01.26	11:40:08.0	48.4945	20.8095	0.0	1.4	EX	Tornabarakony
58.	2018.01.26	14:24:46.5	46.1885	16.0337	0.0	2.0	EQ	Croatia
59.	2018.01.27	09:43:31.4	46.1212	17.0686	12.4	1.7	EQ	Croatia
60.	2018.01.27	10:20:26.1	46.1765	18.2926	0.0	1.2	GT	Komló-II
61.	2018.01.27	16:10:58.4	46.0771	16.9814	9.9	2.1	EQ	Croatia
62.	2018.01.29	01:16:16.1	46.4279	16.1771	8.1	1.8	EQ	Slovenia
63.	2018.01.29	08:41:00.4	47.1110	18.0503	0.0	1.6	EX	Királyszentistván
64.	2018.01.29	10:35:19.6	48.5822	20.7555	0.0	1.6	EX	Slovakia
65.	2018.01.30	04:43:54.9	46.1487	16.5301	14.1	1.6	EQ	Croatia
66.	2018.01.30	16:15:54.0	46.1612	16.5461	7.3	2.0	EQ	Croatia
67.	2018.01.31	08:03:26.0	47.4075	18.0435	0.0	2.3	EX	Aka
68.	2018.01.31	09:11:54.2	47.1230	18.1081	6.0	1.7	EQ	Berhida
69.	2018.01.31	10:20:20.3	48.0840	20.7008	5.0	1.6	EQ	Bükkszentkereszt
70.	2018.01.31	10:36:52.4	48.5620	20.7310	0.0	1.9	EX	Slovakia
71.	2018.02.01	08:30:56.1	47.3501	18.4107	0.0	-	EX	Zámoly
72.	2018.02.01	09:38:26.7	46.9773	22.3084	0.2	2.1	EQ	Romania
73.	2018.02.01	10:39:53.1	46.8503	17.3941	0.0	2.0	EX	Raposka
74.	2018.02.01	10:45:57.3	47.2302	18.2835	0.0	1.9	GT	Iszkaszentgyörgy
75.	2018.02.01	11:02:21.5	48.1487	16.9360	0.0	2.0	EX	Austria
76.	2018.02.02	02:11:42.9	47.8640	18.3974	5.0	1.5	EQ	Slovakia
77.	2018.02.02	09:09:39.1	48.5358	20.7532	0.0	1.6	EX	Komjáti
78.	2018.02.02	14:27:01.9	47.1013	18.0424	0.0	1.7	EX	Királyszentistván
79.	2018.02.02	14:44:59.8	47.1476	18.1058	0.0	1.5	EX	Pétfürdő
80.	2018.02.03	14:14:25.1	48.4064	22.2915	4.6	1.9	EQ	Ukraine

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
81.	2018.02.04	21:28:25.7	48.1473	18.3816	5.0	-	EQ	Slovakia
82.	2018.02.05	09:37:39.7	48.5328	20.8267	0.0	1.6	EX	Becskeháza
83.	2018.02.05	11:45:25.6	48.1169	18.9798	0.0	2.0	EX	Slovakia
84.	2018.02.05	12:17:25.3	46.1254	18.0152	0.0	-	GT	Bükkösd-II
85.	2018.02.05	12:53:47.1	47.8640	16.0477	0.0	1.8	EX	Austria
86.	2018.02.07	08:29:34.7	47.3158	18.3416	0.0	1.9	EX	Magyaralmás
87.	2018.02.07	12:02:47.1	48.7653	21.5598	1.6	1.9	EQ	Slovakia
88.	2018.02.07	13:17:07.6	48.5746	20.7456	0.0	1.9	EX	Slovakia
89.	2018.02.08	09:08:18.2	47.2887	17.6540	0.0	1.5	EX	Homokbödöge
90.	2018.02.08	10:39:08.4	47.1614	18.0397	0.0	1.8	EX	Öskü
91.	2018.02.08	10:47:56.3	47.2302	18.2835	0.0	1.7	GT	Iszkaszentgyörgy
92.	2018.02.08	10:51:32.4	48.5656	20.7843	0.0	1.7	EX	Tornanádaska
93.	2018.02.09	09:07:04.8	48.7250	20.5529	0.0	1.7	EX	Slovakia
94.	2018.02.09	14:57:48.2	46.9768	17.9132	0.0	1.6	EX	Csopak
95.	2018.02.10	08:29:35.2	47.6332	18.0091	8.8	1.9	EQ	Bábolna
96.	2018.02.10	09:12:22.2	48.5050	20.7913	0.0	1.7	EX	Tornaszentandrás
97.	2018.02.10	09:35:17.0	46.1765	18.2926	0.0	1.5	GT	Komló-II
98.	2018.02.10	12:31:32.9	46.4131	19.8501	8.3	1.8	EQ	Csályospálos
99.	2018.02.12	07:57:42.4	47.3818	18.4573	0.0	-	EX	Csákvár
100.	2018.02.12	08:56:27.5	47.5600	18.4573	0.0	2.0	GT	Tatabánya
101.	2018.02.12	08:59:37.5	48.5459	20.7678	0.0	1.7	EX	Komjáti
102.	2018.02.12	10:28:04.8	48.6571	19.8478	0.0	1.9	EX	Slovakia
103.	2018.02.13	09:18:14.9	48.5148	20.8522	0.0	1.6	EX	Tornaszentjakab
104.	2018.02.13	10:27:19.5	48.1215	20.0576	0.0	1.7	EX	Zabar
105.	2018.02.13	11:06:34.2	47.2302	18.2835	0.0	1.7	GT	Iszkaszentgyörgy
106.	2018.02.13	12:28:10.9	45.8820	18.2500	0.0	0.6	GT	Máriagyüd
107.	2018.02.13	12:56:32.9	48.8038	20.6822	0.0	1.4	EX	Slovakia
108.	2018.02.14	09:24:04.9	47.0978	18.0183	0.0	1.9	EX	Litér
109.	2018.02.14	14:45:54.8	46.8548	17.2699	0.0	1.8	GT	Várvölgy
110.	2018.02.14	23:51:29.7	47.3313	18.4331	4.2	1.7	EQ	Zámoly
111.	2018.02.15	08:06:03.3	47.3167	18.3081	0.0	2.2	GT	Magyaralmás
112.	2018.02.15	08:32:14.4	47.8285	19.9317	0.0	-	GT	Gyöngyössolymos-II
113.	2018.02.15	10:15:38.8	48.5677	20.8023	0.0	2.0	EX	Tornanádaska
114.	2018.02.15	10:58:10.9	47.5600	18.4573	0.0	1.9	GT	Tatabánya
115.	2018.02.15	11:13:02.3	48.8214	21.2091	0.0	1.9	EQ	Slovakia
116.	2018.02.15	12:01:03.1	48.3733	18.2126	0.0	1.7	EX	Slovakia
117.	2018.02.15	14:25:10.4	47.0673	17.2598	10.2	2.0	EQ	Szentimrefalva
118.	2018.02.16	10:21:48.4	48.6011	20.7213	0.0	1.7	EX	Slovakia
119.	2018.02.16	10:41:55.5	47.2025	18.1072	4.5	1.8	EQ	Várpalota
120.	2018.02.16	10:53:50.4	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
121.	2018.02.16	15:19:09.1	47.1334	18.2315	0.0	2.1	EX	Nádasdladány
122.	2018.02.19	09:05:18.8	48.5840	20.7420	0.0	1.6	EX	Slovakia
123.	2018.02.19	10:09:13.0	46.2473	18.4645	0.0	1.8	EX	Mecseknádasd
124.	2018.02.19	10:59:28.5	46.1254	18.0152	0.0	1.7	GT	Bükkösd-II
125.	2018.02.20	10:36:05.5	48.5713	20.7642	0.0	1.5	EX	Slovakia
126.	2018.02.20	12:00:51.3	48.8772	20.9462	0.0	1.9	EX	Slovakia
127.	2018.02.20	13:56:23.0	45.6467	20.6475	4.5	2.2	EQ	Serbia
128.	2018.02.21	09:13:08.0	47.3312	18.3475	0.0	-	EX	Csákberény
129.	2018.02.21	09:14:58.8	47.3593	18.4529	0.0	2.6	EX	Csákvár
130.	2018.02.21	09:55:59.4	48.5490	20.7691	0.0	1.6	EX	Komjáti
131.	2018.02.21	10:01:09.8	47.6464	18.5228	0.0	1.7	EX	Héreg

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
132.	2018.02.22	00:44:25.6	47.4362	18.8736	8.1	1.5	EQ	Törökbálint
133.	2018.02.22	08:37:04.1	47.4668	18.8567	0.0	2.2	EX	Biatorbágy
134.	2018.02.22	10:27:49.3	48.2386	18.7985	0.0	1.9	EX	Slovakia
135.	2018.02.22	11:30:35.3	47.4935	18.8337	11.0	-	EQ	Páty
136.	2018.02.23	09:14:06.5	48.5535	20.7887	0.0	1.8	EX	Tornanádaska
137.	2018.02.23	12:18:33.7	47.2302	18.2835	0.0	1.6	GT	Iszkaszentgyörgy
138.	2018.02.24	08:46:49.7	47.6548	18.0280	6.7	2.0	EQ	Bábolna
139.	2018.02.25	13:16:31.5	48.3926	17.0547	0.0	1.9	EX	Slovakia
140.	2018.02.26	09:08:14.8	47.1072	17.9918	12.8	2.0	EQ	Litér
141.	2018.02.26	09:09:31.6	48.5670	20.7618	0.0	1.6	EX	Slovakia
142.	2018.02.26	11:04:05.5	48.1769	16.9028	0.0	2.0	EX	Austria
143.	2018.02.26	11:30:38.9	48.1219	19.0035	8.7	1.8	EQ	Slovakia
144.	2018.02.27	09:18:13.9	48.5131	20.8261	0.0	1.6	EX	Becskeháza
145.	2018.02.27	12:11:43.5	48.3925	17.2822	0.0	2.0	EX	Slovakia
146.	2018.02.27	16:17:24.5	47.1318	19.3218	0.0	1.8	EX	Dabas
147.	2018.02.27	16:43:00.4	47.1570	19.2400	0.0	1.9	EX	Dabas
148.	2018.02.28	08:15:33.6	47.3275	18.4077	0.0	-	EX	Zámoly
149.	2018.02.28	09:38:12.9	48.5960	20.7579	0.0	1.7	EX	Slovakia
150.	2018.02.28	11:42:50.7	48.8176	21.5855	0.0	2.0	EX	Slovakia
151.	2018.02.28	14:21:12.0	47.1114	19.4556	0.0	1.7	EX	Táborfalva
152.	2018.02.28	14:48:06.7	47.0671	19.4482	0.0	2.0	EX	Ladánybene
153.	2018.03.01	08:53:08.1	47.5600	18.4573	0.0	1.6	GT	Tatabánya
154.	2018.03.02	08:55:12.9	48.6362	20.6928	0.0	1.9	EX	Slovakia
155.	2018.03.02	10:00:46.0	47.8610	19.8067	0.0	1.4	EX	Gyöngyöspata
156.	2018.03.02	11:00:56.5	48.1816	16.8868	0.0	2.1	EX	Austria
157.	2018.03.02	11:59:51.7	48.8691	20.9211	0.0	2.1	EX	Slovakia
158.	2018.03.02	14:00:21.6	47.1979	19.2180	0.0	1.7	EX	Bugyi
159.	2018.03.02	14:26:13.8	47.1161	19.4389	0.0	1.7	EX	Örkény
160.	2018.03.03	09:05:45.6	48.6608	20.6697	0.0	1.5	EX	Slovakia
161.	2018.03.03	09:59:23.9	45.6684	19.5168	2.9	1.8	EQ	Serbia
162.	2018.03.03	23:40:60.0	45.9706	17.1943	9.7	2.1	EQ	Croatia
163.	2018.03.05	09:54:34.8	48.4605	20.7368	0.0	1.9	EX	Szalonna
164.	2018.03.05	10:14:09.3	47.3564	18.3846	0.0	1.8	EX	Gánt
165.	2018.03.05	12:10:10.5	47.2302	18.2835	0.0	1.5	GT	Iszkaszentgyörgy
166.	2018.03.06	12:21:53.4	47.3280	18.2908	5.8	1.8	EQ	Söréd
167.	2018.03.06	12:34:54.6	47.3586	18.2487	3.8	1.7	EQ	Csókakő
168.	2018.03.07	08:39:56.6	47.3547	18.3731	0.0	1.2	EX	Csákberény
169.	2018.03.07	08:40:39.6	47.3676	18.3706	0.0	2.5	EX	Gánt
170.	2018.03.07	09:14:32.9	48.6065	20.7330	0.0	1.8	EX	Slovakia
171.	2018.03.07	09:37:02.3	48.2313	18.7983	0.0	1.7	EX	Slovakia
172.	2018.03.07	11:22:23.9	46.3911	17.2571	11.1	2.3	EQ	Vése
173.	2018.03.08	09:26:13.3	46.9863	22.3070	0.0	2.3	EQ	Romania
174.	2018.03.08	10:32:37.8	48.5832	20.7676	0.0	1.6	EX	Slovakia
175.	2018.03.09	07:19:36.5	46.0647	22.8502	0.0	1.9	EX	Romania
176.	2018.03.09	09:09:22.8	48.5067	20.8445	0.0	1.6	EX	Debréte
177.	2018.03.09	10:31:35.3	48.3115	18.5615	10.9	1.7	EQ	Slovakia
178.	2018.03.09	10:33:03.0	47.0835	18.0825	0.0	2.1	EX	Papkeszi
179.	2018.03.09	10:45:10.1	48.5281	20.4170	0.0	1.3	EX	Slovakia
180.	2018.03.09	11:00:22.2	48.9525	21.7584	0.0	2.0	EX	Slovakia
181.	2018.03.09	11:29:57.1	47.1214	17.9782	6.9	1.9	EQ	Litér
182.	2018.03.09	11:31:01.1	47.2302	18.2835	0.0	2.1	GT	Iszkaszentgyörgy

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
183.	2018.03.09	15:40:37.6	47.0804	18.1243	0.0	1.6	EX	Papkeszi
184.	2018.03.10	11:01:55.0	48.0061	19.6278	0.0	1.1	GT	Nagylóc
185.	2018.03.11	21:18:32.3	46.0813	16.4032	11.1	2.1	EQ	Croatia
186.	2018.03.12	00:53:53.5	45.5989	22.8039	19.4	1.8	EQ	Romania
187.	2018.03.12	09:01:07.0	47.5600	18.4573	0.0	1.7	GT	Tatabánya
188.	2018.03.12	09:44:14.6	48.6132	20.7815	0.0	1.5	EX	Slovakia
189.	2018.03.12	11:31:25.6	47.2302	18.2835	0.0	1.9	GT	Iszkaszentgyörgy
190.	2018.03.12	13:32:11.6	46.1254	18.0152	0.0	-	GT	Bükkösd-II
191.	2018.03.12	17:21:47.7	46.1483	17.0716	12.0	2.0	EQ	Berzence
192.	2018.03.13	09:11:03.7	48.5609	20.7538	0.0	1.4	EX	Komjáti
193.	2018.03.13	11:27:28.3	47.8285	19.9317	0.0	1.7	GT	Gyöngyössolymos-II
194.	2018.03.14	09:25:21.4	48.5700	20.7472	0.0	1.6	EX	Slovakia
195.	2018.03.14	10:08:44.8	46.8548	17.2699	0.0	1.9	GT	Várvölgy
196.	2018.03.14	11:11:17.2	47.2050	18.1651	6.7	1.9	EQ	Várpalota
197.	2018.03.14	11:33:13.6	48.2145	18.7894	3.3	1.9	EQ	Slovakia
198.	2018.03.14	18:20:30.4	46.1347	16.2017	1.0	1.0	EQ	Croatia
199.	2018.03.15	00:32:41.7	46.2319	17.2627	17.5	1.5	EQ	Bolhás
200.	2018.03.15	11:06:30.1	48.5353	20.8125	0.0	1.7	EX	Bódvalenke
201.	2018.03.15	11:44:11.8	45.6204	17.2618	5.0	1.7	EQ	Croatia
202.	2018.03.16	07:15:47.5	46.0631	22.8617	7.0	1.9	EQ	Romania
203.	2018.03.16	08:35:08.5	48.8984	21.3618	5.0	2.1	EQ	Slovakia
204.	2018.03.16	08:42:26.4	46.1765	18.2926	0.0	-	GT	Komló-II
205.	2018.03.16	09:02:53.9	48.6297	20.6893	0.0	1.7	EX	Slovakia
206.	2018.03.16	09:02:27.6	46.9993	22.2857	0.0	2.1	EX	Romania
207.	2018.03.17	09:01:30.4	47.0768	18.0859	9.7	1.8	EQ	Papkeszi
208.	2018.03.18	17:51:05.2	46.0884	17.0813	14.7	2.2	EQ	Croatia
209.	2018.03.19	10:05:27.4	48.5020	20.8048	0.0	2.0	EX	Tornabarakony
210.	2018.03.19	10:47:45.0	47.1044	18.0485	0.0	1.7	EX	Királyszentistván
211.	2018.03.19	11:02:46.5	48.1511	16.9256	0.0	2.1	EX	Austria
212.	2018.03.19	14:50:20.1	46.1254	18.0152	0.0	1.7	GT	Bükkösd-II
213.	2018.03.20	01:01:06.3	46.1083	16.5169	8.0	1.8	EQ	Croatia
214.	2018.03.20	09:03:38.1	48.5171	20.8194	0.0	1.9	EX	Becskeháza
215.	2018.03.20	09:12:54.0	48.6429	19.1423	0.0	1.8	EX	Slovakia
216.	2018.03.20	10:15:45.3	48.8411	20.4761	0.0	2.0	EX	Slovakia
217.	2018.03.20	11:02:35.9	48.1435	16.9483	0.0	1.9	EX	Austria
218.	2018.03.21	09:59:07.0	48.6361	20.3600	0.0	1.6	EX	Slovakia
219.	2018.03.21	10:06:43.6	48.6279	20.7774	0.0	1.6	EX	Slovakia
220.	2018.03.21	12:31:50.0	48.6309	20.2167	0.0	1.8	EQ	Slovakia
221.	2018.03.22	12:28:50.7	47.8355	19.1270	0.0	1.8	GT	Sejce-Vác
222.	2018.03.23	08:23:02.7	47.1771	18.1866	0.0	1.8	EX	Ósi
223.	2018.03.23	09:30:19.0	48.5375	20.7759	0.0	1.6	EX	Komjáti
224.	2018.03.23	10:44:10.8	48.2470	21.2460	0.0	2.1	GT	Tállya
225.	2018.03.23	11:01:10.9	48.6656	20.7707	0.0	-	EX	Slovakia
226.	2018.03.24	10:02:53.5	45.8691	18.3861	1.0	-	EQ	Kisharsány
227.	2018.03.24	14:52:46.0	47.9155	21.8948	5.6	1.7	EQ	Napkor
228.	2018.03.26	07:51:14.5	48.6447	20.7039	0.0	1.5	EX	Slovakia
229.	2018.03.26	08:43:35.8	47.2957	17.6431	0.0	1.3	EX	Homokbödöge
230.	2018.03.26	09:45:35.1	45.5718	17.3179	8.9	1.7	EQ	Croatia
231.	2018.03.26	10:00:46.9	46.8548	17.2699	0.0	2.0	GT	Várvölgy
232.	2018.03.26	10:37:59.4	48.5714	20.7320	0.0	1.8	EX	Slovakia
233.	2018.03.27	09:01:50.2	48.3964	18.4974	0.0	1.5	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
234.	2018.03.27	09:20:15.9	48.5786	20.7317	0.0	1.6	EX	Slovakia
235.	2018.03.27	10:55:35.5	48.4255	17.4765	0.0	1.8	EX	Slovakia
236.	2018.03.28	07:40:48.3	48.5769	20.7779	0.0	1.4	EX	Slovakia
237.	2018.03.28	08:15:14.9	46.1254	18.0152	0.0	1.7	GT	Bükkösd-II
238.	2018.03.28	11:53:57.3	46.1254	18.0152	0.0	1.6	GT	Bükkösd-II
239.	2018.03.28	14:08:00.4	48.3292	19.8540	0.0	1.7	EX	Slovakia
240.	2018.03.29	06:50:36.0	47.0925	18.0522	0.0	1.7	EX	Királyszentistván
241.	2018.03.29	08:16:20.8	48.5982	20.7188	0.0	1.4	EX	Slovakia
242.	2018.03.29	09:00:41.3	48.2618	21.2202	0.0	1.9	EX	Tálya
243.	2018.03.30	10:36:22.7	47.0074	22.3883	8.1	1.5	EQ	Romania
244.	2018.04.01	21:01:12.7	45.9822	16.9428	11.1	1.9	EQ	Croatia
245.	2018.04.03	07:08:30.1	47.3115	18.3162	0.0	1.5	EX	Magyaralmás
246.	2018.04.03	07:16:28.9	47.3330	18.3629	0.0	1.7	EQ	Csákerény
247.	2018.04.03	09:14:13.1	48.0750	20.6990	0.0	1.6	GT	Miskolc-Mexikóvölgy
248.	2018.04.03	09:59:30.9	48.4974	17.4928	0.0	1.7	EX	Slovakia
249.	2018.04.03	11:27:01.5	46.9083	22.8580	0.0	1.8	EQ	Romania
250.	2018.04.03	13:06:07.2	46.0255	21.8486	10.5	1.4	EQ	Romania
251.	2018.04.04	06:16:21.4	46.8522	22.8810	0.0	1.8	EQ	Romania
252.	2018.04.04	07:59:01.6	46.9552	22.3135	0.0	1.8	EX	Romania
253.	2018.04.04	08:57:34.0	47.2302	18.2835	0.0	1.9	GT	Iszkaszentgyörgy
254.	2018.04.04	10:14:26.2	48.5578	20.7733	0.0	1.5	EX	Tornanádaska
255.	2018.04.04	12:59:22.7	48.3588	17.2419	0.0	1.9	EX	Slovakia
256.	2018.04.05	02:51:38.2	47.7537	18.0940	16.4	1.9	EQ	Komárom
257.	2018.04.05	08:21:55.0	47.3645	18.4239	0.0	1.6	EX	Gánt
258.	2018.04.05	08:29:30.4	47.3510	18.3613	0.0	2.1	EX	Csákerény
259.	2018.04.05	08:46:36.8	48.5848	20.7502	0.0	1.3	EX	Slovakia
260.	2018.04.05	16:36:21.6	47.6320	17.9398	3.7	1.8	EQ	Bana
261.	2018.04.06	08:54:17.8	47.0204	17.7687	0.0	1.5	EX	Tótvázsony
262.	2018.04.06	09:15:51.3	48.2470	21.2460	0.0	2.0	GT	Tálya
263.	2018.04.08	00:49:51.5	47.6914	19.0782	9.2	1.9	EQ	Szigetmonostor
264.	2018.04.08	21:35:04.6	46.2152	16.2239	11.8	1.6	EQ	Croatia
265.	2018.04.09	08:37:00.0	48.5883	20.7507	0.0	1.6	EX	Slovakia
266.	2018.04.09	08:54:09.7	47.9697	18.9962	10.0	-	EQ	Diósjenő
267.	2018.04.10	06:55:07.8	47.3624	18.4221	0.0	1.8	EX	Gánt
268.	2018.04.10	08:04:44.0	46.0590	22.9094	14.8	1.9	EQ	Romania
269.	2018.04.10	08:59:34.0	48.2510	18.8074	0.0	1.9	EX	Slovakia
270.	2018.04.10	09:16:45.3	48.1516	19.8105	0.0	1.7	EX	Somoskőújfalu
271.	2018.04.10	10:08:17.2	47.4581	18.1908	0.0	-	EX	Pusztavám
272.	2018.04.11	07:57:53.9	47.8355	19.1270	0.0	1.4	GT	Sejce-Vác
273.	2018.04.11	08:11:56.9	45.6419	17.3494	6.2	2.0	EQ	Croatia
274.	2018.04.11	08:55:53.0	46.1765	18.2926	0.0	1.1	GT	Komló-II
275.	2018.04.12	10:48:47.3	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
276.	2018.04.13	10:01:41.1	48.1831	16.9175	0.0	2.1	EX	Austria
277.	2018.04.13	10:08:19.3	48.2470	21.2460	0.0	2.0	GT	Tálya
278.	2018.04.13	11:12:50.9	46.1268	18.0468	0.0	1.4	EX	Hetvehely
279.	2018.04.16	08:21:33.4	48.6337	20.7330	0.0	1.5	EX	Slovakia
280.	2018.04.16	09:08:46.5	45.8525	18.3977	0.0	1.0	GT	Nagyharsány
281.	2018.04.16	09:54:50.8	48.5189	17.4311	0.0	1.6	EX	Slovakia
282.	2018.04.16	10:49:13.4	45.8423	20.8072	12.0	2.0	EQ	Romania
283.	2018.04.16	11:26:30.5	48.8935	20.6822	11.8	1.6	EQ	Slovakia
284.	2018.04.17	08:09:27.6	47.8379	20.6036	0.0	1.5	EX	Tard

CHAPTER 2. LOCAL EVENTS

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
285.	2018.04.17	08:49:35.7	47.1633	19.2544	0.0	1.5	EX	Dabas
286.	2018.04.18	09:34:02.4	46.0556	22.8106	1.3	1.9	EQ	Romania
287.	2018.04.18	09:41:53.1	48.4204	20.8072	0.0	1.7	EX	Meszes
288.	2018.04.18	10:00:38.4	48.1256	16.8582	0.0	2.1	EX	Austria
289.	2018.04.18	11:31:50.8	47.8987	20.0893	0.0	1.9	GT	Recsk
290.	2018.04.19	09:00:42.5	48.5793	20.7911	0.0	1.5	EX	Slovakia
291.	2018.04.19	09:18:01.7	48.8232	21.2004	0.0	1.6	EX	Slovakia
292.	2018.04.19	09:19:03.4	48.3381	19.0255	0.0	1.9	EX	Slovakia
293.	2018.04.19	09:49:54.9	46.9547	22.2864	0.0	1.6	EX	Romania
294.	2018.04.20	08:17:37.4	48.5816	20.7531	0.0	1.5	EX	Slovakia
295.	2018.04.20	08:58:49.1	46.1765	18.2926	0.0	1.0	GT	Komló-II
296.	2018.04.20	12:21:34.5	47.9424	19.5539	0.0	1.3	EQ	Kutasó
297.	2018.04.20	12:48:16.7	45.6642	22.3989	4.8	1.5	EQ	Romania
298.	2018.04.21	07:57:59.9	47.3556	18.2337	5.1	2.0	EQ	Mór
299.	2018.04.23	08:43:55.3	48.5732	20.7491	0.0	1.5	EX	Slovakia
300.	2018.04.23	09:35:39.1	47.5607	16.3584	0.0	1.1	EX	Austria
301.	2018.04.24	00:53:56.3	45.7398	18.1335	5.0	0.8	EQ	Croatia
302.	2018.04.24	07:57:50.9	48.5097	18.7460	0.0	1.3	EX	Slovakia
303.	2018.04.24	09:14:31.2	48.5587	20.7815	0.0	1.7	EX	Tornanádaska
304.	2018.04.24	10:33:46.2	48.8185	21.2167	0.0	1.4	EX	Slovakia
305.	2018.04.25	07:21:56.3	46.8571	22.8764	0.6	1.6	EQ	Romania
306.	2018.04.25	07:31:01.2	48.5703	20.7686	0.0	1.4	EX	Slovakia
307.	2018.04.25	11:19:11.3	48.2470	21.2460	0.0	2.4	GT	Tállya
308.	2018.04.25	11:51:19.3	48.6289	20.0797	0.0	1.5	EX	Slovakia
309.	2018.04.25	13:00:23.3	47.6083	16.5645	0.0	1.7	EQ	Austria
310.	2018.04.26	07:17:51.6	47.3445	18.2909	0.0	1.9	EX	Csókakő
311.	2018.04.26	07:54:33.2	48.0750	20.6990	0.0	1.5	GT	Miskolc-Mexikóvölgy
312.	2018.04.26	08:09:25.8	48.4434	19.1421	0.0	1.9	EX	Slovakia
313.	2018.04.26	08:27:24.6	46.8850	22.8840	4.8	-	EQ	Romania
314.	2018.04.26	09:44:13.8	47.2302	18.2835	0.0	1.5	GT	Iszkaszentgyörgy
315.	2018.04.26	10:01:56.1	48.0830	16.9737	0.0	2.1	EX	Austria
316.	2018.04.26	11:24:18.5	48.3373	19.8656	0.0	1.8	EX	Slovakia
317.	2018.04.26	11:45:27.5	48.3197	19.8591	0.0	1.7	EX	Slovakia
318.	2018.04.27	08:03:24.0	47.1226	19.1557	8.1	1.9	EQ	Apaj
319.	2018.04.27	08:20:55.8	45.5596	17.5326	12.3	1.4	EQ	Croatia
320.	2018.04.27	08:54:29.6	45.8774	18.3546	0.0	1.4	EX	Nagyotófalva
321.	2018.04.27	09:13:37.3	48.6741	21.4685	18.3	1.8	EQ	Slovakia
322.	2018.04.27	09:33:01.2	46.1259	18.0808	0.0	1.4	EX	Hetvehely
323.	2018.05.02	06:23:55.9	48.4173	17.2142	0.0	1.7	EX	Slovakia
324.	2018.05.02	09:21:27.4	48.3130	19.8738	0.0	1.5	EX	Slovakia
325.	2018.05.02	09:30:05.3	48.6322	17.5491	0.0	1.6	EX	Slovakia
326.	2018.05.02	10:05:11.6	47.5600	18.4573	0.0	1.7	GT	Tatabánya
327.	2018.05.02	11:16:11.7	45.6185	17.3026	0.0	1.8	EX	Croatia
328.	2018.05.03	06:31:14.9	48.0750	20.6990	0.0	1.3	GT	Miskolc-Mexikóvölgy
329.	2018.05.03	06:37:03.3	47.3768	18.3403	0.0	1.1	EX	Csákberény
330.	2018.05.03	08:00:03.7	48.5534	20.6777	0.0	1.3	EX	Slovakia
331.	2018.05.03	08:43:28.2	47.0249	22.2702	0.0	1.7	EX	Romania
332.	2018.05.03	10:16:21.2	47.2302	18.2835	0.0	1.7	GT	Iszkaszentgyörgy
333.	2018.05.03	11:10:13.7	46.9100	22.8663	7.7	1.2	EQ	Romania
334.	2018.05.03	12:13:36.1	48.2470	21.2460	0.0	2.1	GT	Tállya
335.	2018.05.04	02:56:22.7	47.1389	19.1606	9.3	1.5	EQ	Apaj

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
336.	2018.05.04	07:25:09.5	48.6987	18.6826	0.0	1.6	EX	Slovakia
337.	2018.05.04	08:45:36.7	48.5518	20.8065	0.0	1.4	EX	Bódvalenke
338.	2018.05.04	10:01:49.2	48.1547	16.9229	0.0	1.6	EX	Austria
339.	2018.05.05	00:44:08.9	47.6084	20.3229	5.5	1.7	EQ	Heves
340.	2018.05.07	07:54:23.6	45.5623	18.2649	7.3	1.7	EQ	Croatia
341.	2018.05.07	09:56:28.4	48.3942	20.6015	0.0	1.3	EX	Rudabánya
342.	2018.05.07	09:58:43.2	48.4204	20.6025	0.0	1.1	EX	Kánó
343.	2018.05.07	10:03:06.5	46.1254	18.0152	0.0	0.8	GT	Bükkösd-II
344.	2018.05.07	10:26:19.1	46.1254	18.0152	0.0	0.7	GT	Bükkösd-II
345.	2018.05.07	21:23:58.1	48.4382	17.3789	9.7	1.7	EQ	Slovakia
346.	2018.05.08	08:10:10.7	48.4792	20.8226	0.0	1.2	EX	Tornabarakony
347.	2018.05.08	09:05:51.4	48.2470	21.2460	0.0	2.3	GT	Tállya
348.	2018.05.08	10:01:23.5	48.1353	16.9162	0.0	1.7	EX	Austria
349.	2018.05.08	23:45:47.3	45.6460	17.9182	5.8	1.2	EQ	Croatia
350.	2018.05.09	07:10:04.8	47.4217	18.0715	0.0	2.3	EX	Aka
351.	2018.05.09	08:04:30.5	48.5726	20.7541	0.0	1.6	EX	Slovakia
352.	2018.05.09	13:49:30.4	47.5600	18.4573	0.0	1.5	GT	Tatabánya
353.	2018.05.10	08:43:33.7	48.2386	18.8120	0.0	1.9	EX	Slovakia
354.	2018.05.10	09:11:40.1	47.8663	19.4502	0.0	1.9	EX	Bercel
355.	2018.05.10	09:24:15.5	47.0004	22.2977	0.0	1.7	EX	Romania
356.	2018.05.10	10:23:55.3	48.4470	20.7870	0.0	1.5	GT	Meszies
357.	2018.05.10	11:45:25.9	48.3205	19.8636	0.0	1.8	EX	Slovakia
358.	2018.05.11	08:00:57.5	48.5227	20.7735	0.0	1.5	EX	Tornaszentandrás
359.	2018.05.11	08:19:33.0	45.8352	21.6872	5.7	1.8	EQ	Romania
360.	2018.05.11	10:43:43.4	46.3214	21.9894	0.0	1.5	EX	Romania
361.	2018.05.11	11:11:01.1	48.2801	19.8947	0.0	1.6	EX	Slovakia
362.	2018.05.11	13:03:08.6	46.1211	21.4460	14.0	1.5	EQ	Romania
363.	2018.05.12	07:04:54.8	47.9749	19.6217	0.0	1.6	EX	Felsőtold
364.	2018.05.12	08:51:16.2	46.1765	18.2926	0.0	1.3	GT	Komló-II
365.	2018.05.12	23:50:42.9	47.9021	18.8732	10.5	2.5	EQ	Márianosztra
366.	2018.05.14	06:57:01.4	47.0960	18.0089	0.0	1.7	EX	Litér
367.	2018.05.14	07:05:01.1	48.0750	20.6990	0.0	1.3	GT	Miskolc-Mexikóvölgy
368.	2018.05.14	08:45:42.6	45.5972	17.2827	0.0	1.5	EX	Croatia
369.	2018.05.14	08:48:34.4	48.7045	20.6143	0.0	1.6	EX	Slovakia
370.	2018.05.14	09:01:24.7	48.5901	20.7828	0.0	1.2	EX	Slovakia
371.	2018.05.14	09:13:19.2	48.4019	19.5167	0.0	1.5	EX	Slovakia
372.	2018.05.15	07:21:11.6	47.8285	19.9317	0.0	1.8	GT	Gyöngyössolymos-II
373.	2018.05.15	07:52:08.5	48.6141	18.6619	0.0	1.6	EX	Slovakia
374.	2018.05.15	08:06:22.3	48.5964	20.7587	0.0	1.7	EX	Slovakia
375.	2018.05.15	09:05:33.7	46.2651	18.4494	0.0	1.5	GT	Nagymányok
376.	2018.05.15	10:50:42.7	47.2302	18.2835	0.0	1.7	GT	Iszkaszentgyörgy
377.	2018.05.16	07:06:42.1	48.6383	20.7187	0.0	1.5	EX	Slovakia
378.	2018.05.16	08:56:04.3	47.3808	18.4396	0.0	2.3	EX	Csákvár
379.	2018.05.16	10:01:50.8	48.1508	16.9325	0.0	1.7	EX	Austria
380.	2018.05.16	10:31:57.1	48.3397	19.8429	0.0	1.8	EX	Slovakia
381.	2018.05.16	10:47:47.5	48.1071	19.0119	0.0	1.5	EX	Slovakia
382.	2018.05.17	07:37:43.6	48.7343	18.6406	16.6	1.8	EQ	Slovakia
383.	2018.05.17	08:06:49.8	48.5665	20.7436	0.0	1.7	EX	Slovakia
384.	2018.05.17	09:09:47.8	46.9834	22.2653	0.0	2.0	EX	Romania
385.	2018.05.17	09:43:28.4	47.2302	18.2835	0.0	1.9	GT	Iszkaszentgyörgy
386.	2018.05.17	17:04:48.6	46.1191	16.5288	6.9	2.2	EQ	Croatia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
387.	2018.05.18	11:19:16.1	45.5494	17.3345	10.7	1.9	EQ	Croatia
388.	2018.05.19	08:59:08.3	46.1765	18.2926	0.0	1.2	GT	Komló-II
389.	2018.05.21	07:09:18.7	48.4123	17.2362	0.0	2.2	EX	Slovakia
390.	2018.05.21	08:06:42.2	48.5775	20.8152	0.0	1.5	EX	Slovakia
391.	2018.05.21	12:59:43.3	48.3480	17.3535	0.0	1.6	EX	Slovakia
392.	2018.05.21	14:31:41.4	47.0259	17.6303	5.0	0.9	EQ	Öcs
393.	2018.05.21	15:31:16.0	47.0345	17.6925	0.0	1.6	EX	Pula
394.	2018.05.22	08:41:35.3	47.5600	18.4573	0.0	1.6	GT	Tatabánya
395.	2018.05.22	08:42:46.0	48.5726	20.7331	0.0	1.5	EX	Slovakia
396.	2018.05.22	09:23:10.2	46.1254	18.0152	0.0	-	GT	Bükkösd-II
397.	2018.05.23	08:08:14.1	48.5711	20.7684	0.0	2.2	EX	Slovakia
398.	2018.05.23	08:10:59.0	48.1826	19.7723	0.0	1.9	EX	Karancsberény
399.	2018.05.23	08:50:16.7	48.8574	20.5426	0.0	2.2	EX	Slovakia
400.	2018.05.23	10:43:13.3	47.0148	18.0482	0.0	1.6	EX	Balatonalmádi
401.	2018.05.23	14:33:44.4	47.1203	17.9919	0.0	1.5	EX	Litér
402.	2018.05.24	10:13:18.9	48.1072	16.9797	0.0	1.7	EX	Austria
403.	2018.05.25	00:09:02.4	45.7504	17.4954	5.0	1.0	EQ	Croatia
404.	2018.05.25	08:06:30.0	47.5600	18.4573	0.0	2.0	GT	Tatabánya
405.	2018.05.25	09:23:16.9	48.8428	21.6057	0.0	2.0	EX	Slovakia
406.	2018.05.26	11:34:14.3	47.8464	16.2140	11.3	2.0	EQ	Austria
407.	2018.05.28	04:04:26.6	48.9209	22.7504	16.5	2.2	EQ	Ukraine
408.	2018.05.28	07:52:03.0	48.0750	20.6990	0.0	1.5	GT	Miskolc-Mexikóvölgy
409.	2018.05.28	08:03:26.0	47.8987	20.0893	0.0	2.0	GT	Recsk
410.	2018.05.28	08:19:48.0	48.4735	20.6774	0.0	1.5	EX	Perkupa
411.	2018.05.28	08:23:30.5	47.8987	20.0893	0.0	2.0	GT	Recsk
412.	2018.05.28	10:04:05.8	47.0622	17.9631	0.0	1.7	EX	Szentkirályszabadja
413.	2018.05.28	10:10:24.8	47.8987	20.0893	0.0	1.9	GT	Recsk
414.	2018.05.29	07:17:40.4	47.8285	19.9317	0.0	1.9	GT	Gyöngyössolymos-II
415.	2018.05.29	09:00:40.1	48.2400	18.7610	0.0	1.8	EX	Slovakia
416.	2018.05.29	09:23:47.7	46.1765	18.2926	0.0	1.2	GT	Komló-II
417.	2018.05.29	09:33:01.3	48.5397	20.7932	0.0	1.4	EX	Bódvalenke
418.	2018.05.29	09:44:49.4	46.1254	18.0152	0.0	0.9	GT	Bükkösd-II
419.	2018.05.29	11:14:42.9	48.8017	21.1698	0.0	1.7	EX	Slovakia
420.	2018.05.29	13:51:36.5	45.5710	16.3537	3.5	2.2	EQ	Croatia
421.	2018.05.29	19:32:57.4	45.8886	16.0427	8.1	1.8	EQ	Croatia
422.	2018.05.30	07:44:53.9	48.5210	19.3658	0.0	1.6	EX	Slovakia
423.	2018.05.30	08:36:11.0	48.5309	20.7621	0.0	1.6	EX	Komjáti
424.	2018.05.30	08:52:56.2	47.5600	18.4573	0.0	2.0	GT	Tatabánya
425.	2018.05.30	10:01:40.1	48.6027	20.9057	0.0	1.3	EX	Slovakia
426.	2018.05.31	07:16:53.0	48.3126	17.4110	0.0	1.7	EX	Slovakia
427.	2018.05.31	07:49:23.9	48.5967	20.7350	0.0	1.4	EX	Slovakia
428.	2018.05.31	09:45:50.5	48.3961	18.4876	0.0	1.4	EX	Slovakia
429.	2018.05.31	12:20:38.7	48.2470	21.2460	0.0	1.9	GT	Tállya
430.	2018.06.01	08:39:20.9	45.8565	18.4065	0.0	0.9	EX	Nagyharsány
431.	2018.06.02	08:59:47.9	46.1765	18.2926	0.0	1.2	GT	Komló-II
432.	2018.06.02	09:12:14.0	48.4859	18.7403	0.0	1.4	EX	Slovakia
433.	2018.06.04	08:42:31.6	47.0963	18.0311	0.0	1.7	EX	Litér
434.	2018.06.04	08:55:52.9	48.7439	20.8673	0.0	2.4	EX	Slovakia
435.	2018.06.04	10:21:09.2	46.0321	18.2518	0.0	0.7	EX	Pécsudvard
436.	2018.06.05	07:43:14.8	48.5493	20.7618	0.0	1.2	EX	Komjáti
437.	2018.06.05	09:38:41.8	47.2302	18.2835	0.0	1.7	GT	Iszkaszentgyörgy

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
438.	2018.06.06	06:17:59.1	47.3716	18.4043	0.0	2.5	EX	Gánt
439.	2018.06.06	06:33:34.0	47.3119	18.3601	0.0	-	EX	Magyaralmás
440.	2018.06.06	07:29:58.9	47.5600	18.4573	0.0	1.8	GT	Tatabánya
441.	2018.06.06	08:54:30.6	48.5876	20.7643	0.0	1.4	EX	Slovakia
442.	2018.06.06	09:44:44.1	47.8492	19.1596	0.0	1.7	EX	Ósagárd
443.	2018.06.06	09:47:46.8	47.2302	18.2835	0.0	1.5	GT	Iszkaszentgyörgy
444.	2018.06.06	09:57:14.5	47.8987	20.0893	0.0	2.0	GT	Recsk
445.	2018.06.06	10:02:35.1	48.1037	16.9684	0.0	1.7	EX	Austria
446.	2018.06.06	10:52:19.6	45.5926	17.3548	8.9	2.0	EQ	Croatia
447.	2018.06.06	11:17:04.6	46.9073	22.8460	0.0	-	EX	Romania
448.	2018.06.07	02:50:57.1	45.9810	22.1563	9.0	1.9	EQ	Romania
449.	2018.06.07	10:51:44.2	48.4053	19.3434	0.0	1.7	EX	Slovakia
450.	2018.06.08	07:31:19.4	46.7890	22.8598	0.0	1.6	EX	Romania
451.	2018.06.08	08:05:08.7	48.5603	20.7903	0.0	1.4	EX	Tornanádaska
452.	2018.06.08	08:06:44.6	48.4223	19.1320	0.0	1.9	EX	Slovakia
453.	2018.06.08	08:15:53.4	48.5411	20.7833	0.0	1.4	EX	Bódvalenke
454.	2018.06.08	09:57:30.1	46.2350	18.4486	0.0	1.3	EX	Mecseknádasd
455.	2018.06.08	10:28:20.1	46.1765	18.2926	0.0	1.0	GT	Komló-II
456.	2018.06.08	15:34:37.4	46.1438	21.5289	16.2	1.8	EQ	Romania
457.	2018.06.11	07:57:46.3	48.6085	20.7247	0.0	1.5	EX	Slovakia
458.	2018.06.11	08:56:45.6	46.1765	18.2926	0.0	1.5	GT	Komló-II
459.	2018.06.11	10:12:45.1	48.7854	21.2339	0.0	1.6	EX	Slovakia
460.	2018.06.11	10:20:44.2	48.3891	18.4600	0.0	1.3	EX	Slovakia
461.	2018.06.12	06:12:58.7	46.9816	22.8175	0.0	1.6	EX	Romania
462.	2018.06.12	06:45:19.5	48.6519	18.0928	0.0	1.9	EX	Slovakia
463.	2018.06.12	08:14:52.9	48.5706	20.7765	0.0	1.2	EX	Slovakia
464.	2018.06.12	12:41:22.8	48.8681	20.6103	0.0	1.7	EX	Slovakia
465.	2018.06.13	08:21:17.5	48.5873	20.7648	0.0	1.6	EX	Slovakia
466.	2018.06.13	10:00:55.3	48.1393	16.9408	0.0	1.6	EX	Austria
467.	2018.06.14	09:03:49.6	48.8668	20.4412	0.0	2.0	EX	Slovakia
468.	2018.06.14	09:27:24.2	47.8355	19.1270	0.0	1.4	GT	Sejce-Vác
469.	2018.06.14	11:01:44.1	48.1840	19.7841	0.0	1.1	EX	Slovakia
470.	2018.06.14	11:09:33.5	46.8852	22.8215	0.0	-	EX	Romania
471.	2018.06.15	06:05:22.7	48.6733	18.6619	0.0	1.7	EX	Slovakia
472.	2018.06.15	08:46:36.8	46.1765	18.2926	0.0	1.3	GT	Komló-II
473.	2018.06.15	08:59:01.8	48.3690	17.3869	0.0	1.9	EX	Slovakia
474.	2018.06.15	11:05:17.8	48.5397	19.3316	0.0	2.0	EX	Slovakia
475.	2018.06.15	13:08:59.4	48.5655	17.4318	0.0	1.6	EX	Slovakia
476.	2018.06.15	17:30:44.1	47.9480	16.4050	8.2	1.9	EQ	Austria
477.	2018.06.15	19:17:18.6	46.4708	17.0835	12.0	1.6	EQ	Zalasárszeg
478.	2018.06.16	07:35:32.9	45.9067	16.1198	5.2	2.3	EQ	Croatia
479.	2018.06.18	08:45:09.2	48.5681	20.7480	0.0	1.8	EX	Slovakia
480.	2018.06.18	10:01:12.5	48.1527	16.8814	0.0	-	EX	Austria
481.	2018.06.18	10:03:30.1	47.5600	18.4573	0.0	1.6	GT	Tatabánya
482.	2018.06.19	09:35:56.5	46.9641	22.8128	0.0	-	EX	Romania
483.	2018.06.20	06:45:40.3	48.4018	17.3020	0.0	1.6	EX	Slovakia
484.	2018.06.20	08:05:15.9	48.5971	20.7634	0.0	1.5	EX	Slovakia
485.	2018.06.20	08:24:28.2	45.6160	17.4653	6.6	1.3	EQ	Croatia
486.	2018.06.20	10:45:24.4	46.1184	21.6714	9.4	1.4	EQ	Romania
487.	2018.06.21	07:36:25.4	46.0522	22.8570	11.9	1.6	EQ	Romania
488.	2018.06.21	07:47:07.1	46.0394	22.8543	10.9	1.7	EQ	Romania

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
489.	2018.06.21	07:48:30.3	48.5492	17.4177	0.0	1.1	EX	Slovakia
490.	2018.06.21	09:29:26.1	46.8844	17.2809	0.0	1.8	EX	Várvölgy
491.	2018.06.22	08:18:52.0	48.5196	18.7749	0.0	1.5	EX	Slovakia
492.	2018.06.22	11:57:14.9	46.1268	21.5832	8.9	1.3	EQ	Romania
493.	2018.06.23	09:21:43.8	46.1765	18.2926	0.0	1.1	GT	Komló-II
494.	2018.06.23	18:32:08.9	46.1627	16.0491	8.7	1.9	EQ	Croatia
495.	2018.06.25	08:08:20.7	48.5555	20.7738	0.0	1.6	EX	Tornanádaska
496.	2018.06.25	09:33:20.1	45.9787	18.6405	8.6	-	EQ	Lánycsók
497.	2018.06.25	09:46:31.2	46.8834	22.2979	0.0	1.6	EX	Romania
498.	2018.06.25	10:00:44.1	48.1470	16.9340	0.0	1.6	EX	Austria
499.	2018.06.26	07:35:19.0	47.3794	18.4552	0.0	-	EX	Csákvár
500.	2018.06.26	08:02:23.7	48.5195	20.7555	0.0	1.7	EX	Tornaszentandrás
501.	2018.06.26	09:08:55.5	46.8711	22.8815	0.0	1.4	EX	Romania
502.	2018.06.26	10:11:13.4	46.2910	21.6764	0.0	1.9	EX	Romania
503.	2018.06.26	10:51:17.9	48.2470	21.2460	0.0	1.7	GT	Tállya
504.	2018.06.26	12:01:21.4	48.4134	17.2509	0.0	1.8	EX	Slovakia
505.	2018.06.26	13:17:07.6	48.2948	18.5543	0.0	1.6	EX	Slovakia
506.	2018.06.27	08:31:58.4	48.6272	18.0833	0.0	1.6	EQ	Slovakia
507.	2018.06.27	09:11:08.4	48.4749	20.8038	0.0	1.5	EX	Tornabarakony
508.	2018.06.28	09:49:25.6	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
509.	2018.06.28	11:39:51.5	48.6304	20.2356	0.0	1.9	EX	Slovakia
510.	2018.06.29	06:27:07.5	47.3651	18.4211	0.0	1.6	EX	Gánt
511.	2018.06.29	08:26:25.4	48.5679	20.7656	0.0	1.5	EX	Slovakia
512.	2018.06.29	09:54:10.5	48.4559	17.5281	0.0	1.3	EX	Slovakia
513.	2018.07.01	06:08:16.9	45.8846	18.7710	10.0	1.1	EQ	Kölked
514.	2018.07.03	08:30:11.9	48.5539	20.7646	0.0	1.7	EX	Komjáti
515.	2018.07.03	09:10:47.1	47.5891	16.3569	0.0	1.4	EX	Austria
516.	2018.07.03	10:43:30.4	48.2470	21.2460	0.0	1.6	GT	Tállya
517.	2018.07.03	13:37:03.3	47.4501	18.6358	0.0	0.7	EX	Alcsútdoboz
518.	2018.07.05	08:18:50.4	48.6423	18.5893	0.0	1.3	EX	Slovakia
519.	2018.07.05	09:20:17.6	47.7242	18.5130	0.0	1.9	EX	Lábatlan
520.	2018.07.05	09:25:46.6	47.9151	19.4088	0.0	1.3	GT	Szanda
521.	2018.07.05	09:45:58.6	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
522.	2018.07.05	11:34:17.5	47.8920	19.4049	0.0	1.7	GT	Bercel
523.	2018.07.06	06:28:05.8	47.3727	18.4099	0.0	-	EX	Gánt
524.	2018.07.06	08:28:11.1	47.5600	18.4573	0.0	2.2	GT	Tatabánya
525.	2018.07.06	10:15:10.6	48.0061	19.6278	0.0	1.8	GT	Nagylóc
526.	2018.07.07	02:53:53.1	47.2696	18.0589	6.3	1.4	EQ	Tés
527.	2018.07.09	08:29:51.9	45.8447	18.4028	0.0	1.0	EX	Nagyharsány
528.	2018.07.09	11:52:54.0	47.3401	17.6066	0.0	1.8	EX	Béb
529.	2018.07.10	09:32:40.2	48.1445	19.7719	0.0	-	EX	Karancsalja
530.	2018.07.11	08:01:28.4	48.5851	20.7540	0.0	1.6	EX	Slovakia
531.	2018.07.11	10:01:19.1	48.1612	16.9161	0.0	1.7	EX	Austria
532.	2018.07.11	10:19:35.9	47.2302	18.2835	0.0	1.7	GT	Iszkaszentgyörgy
533.	2018.07.11	11:15:13.1	48.3341	19.8157	0.0	1.9	EX	Slovakia
534.	2018.07.12	09:34:28.5	48.4119	19.5291	5.0	1.6	EQ	Slovakia
535.	2018.07.12	09:44:39.1	48.6201	20.7295	0.0	1.5	EX	Slovakia
536.	2018.07.12	11:59:40.5	48.3062	19.9000	0.0	1.9	EX	Slovakia
537.	2018.07.13	08:02:03.4	48.6787	20.6592	0.0	1.5	EX	Slovakia
538.	2018.07.13	08:57:57.2	47.2302	18.2835	0.0	1.7	GT	Iszkaszentgyörgy
539.	2018.07.13	09:46:57.7	47.8987	20.0893	0.0	2.2	GT	Recsk

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
540.	2018.07.13	11:14:21.9	47.3421	17.6432	0.0	1.9	EX	Bakonyszücs
541.	2018.07.13	20:39:56.6	47.8188	16.2404	9.4	1.5	EQ	Austria
542.	2018.07.16	08:16:10.1	48.5174	20.7625	0.0	1.4	EX	Tornaszentandrás
543.	2018.07.16	08:27:25.8	47.6166	16.3824	0.0	1.4	EX	Austria
544.	2018.07.16	10:28:00.4	48.2470	21.2460	0.0	2.0	GT	Tállya
545.	2018.07.16	10:56:42.7	48.2470	21.2460	0.0	2.3	GT	Tállya
546.	2018.07.16	18:26:27.5	47.8232	16.2750	9.2	1.6	EQ	Austria
547.	2018.07.17	08:03:03.0	48.4185	19.1660	0.0	1.5	EX	Slovakia
548.	2018.07.17	12:00:08.8	48.3982	17.2495	0.0	1.6	EX	Slovakia
549.	2018.07.18	07:40:19.6	48.5509	20.7739	0.0	1.8	EX	Komjáti
550.	2018.07.18	07:53:45.6	47.8920	19.4049	0.0	1.1	GT	Bercel
551.	2018.07.18	09:38:35.1	47.0055	22.2714	0.0	1.9	EX	Romania
552.	2018.07.18	10:00:08.7	48.1758	16.9341	0.0	1.6	EQ	Austria
553.	2018.07.20	05:41:51.3	48.1614	21.5237	0.0	-	EX	Balsa
554.	2018.07.20	08:39:47.6	48.2470	21.2460	0.0	2.1	GT	Tállya
555.	2018.07.20	10:16:43.5	48.5791	20.8044	0.0	1.7	EX	Slovakia
556.	2018.07.22	02:54:59.6	46.8352	16.3392	11.6	1.6	EQ	Szalafő
557.	2018.07.23	08:02:36.4	48.5550	20.7475	0.0	1.5	EX	Komjáti
558.	2018.07.24	08:05:57.6	48.5402	20.7971	0.0	1.3	EX	Bódvalenke
559.	2018.07.24	09:42:58.7	47.2302	18.2835	0.0	1.5	GT	Iszkaszentgyörgy
560.	2018.07.24	10:00:40.2	48.1291	16.9802	0.0	1.7	EX	Austria
561.	2018.07.24	10:46:27.5	46.9138	22.7393	2.1	1.3	EQ	Romania
562.	2018.07.25	07:22:16.2	48.5784	20.7615	0.0	1.5	EX	Slovakia
563.	2018.07.26	08:52:46.5	47.2124	17.9523	0.0	2.5	EX	Eplény
564.	2018.07.26	09:18:46.3	47.3852	18.4410	0.0	1.8	EX	Csákvár
565.	2018.07.26	11:09:52.8	48.7209	21.4444	17.7	1.7	EQ	Slovakia
566.	2018.07.26	11:26:11.9	47.9667	16.6211	0.0	1.7	EX	Austria
567.	2018.07.27	08:40:31.2	47.5600	18.4573	0.0	2.1	GT	Tatabánya
568.	2018.07.28	02:22:07.2	47.6581	19.5580	6.4	1.4	EQ	Kartal
569.	2018.07.28	23:57:25.4	47.9534	19.4284	11.7	1.7	EQ	Terény
570.	2018.07.30	08:04:32.1	48.6966	20.8823	0.0	1.6	EX	Slovakia
571.	2018.07.30	09:48:05.5	47.7256	18.5452	0.0	2.2	EX	Bajót
572.	2018.07.31	07:16:52.9	48.5249	19.3276	0.0	1.9	EX	Slovakia
573.	2018.07.31	08:25:19.9	48.6122	20.7360	0.0	1.6	EX	Slovakia
574.	2018.07.31	12:24:08.6	46.9356	17.6906	0.0	1.5	EQ	Óbudavár
575.	2018.07.31	15:56:42.4	45.9567	17.2883	14.7	1.8	EQ	Croatia
576.	2018.08.01	07:35:31.8	47.3389	18.3934	0.0	-	EX	Zámoly
577.	2018.08.01	08:24:44.6	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
578.	2018.08.01	08:30:22.1	48.6743	20.4064	5.0	-	EQ	Slovakia
579.	2018.08.01	09:51:04.3	46.1204	18.0243	0.0	0.9	GT	Bükkösd-I
580.	2018.08.01	10:01:04.3	48.1288	16.9633	0.0	1.9	EX	Austria
581.	2018.08.01	10:10:11.2	48.3338	19.8692	0.0	1.8	EX	Slovakia
582.	2018.08.01	11:00:13.1	48.2470	21.2460	0.0	1.8	GT	Tállya
583.	2018.08.01	11:13:05.2	48.2470	21.2460	0.0	1.8	GT	Tállya
584.	2018.08.01	12:54:10.4	47.5897	16.3654	0.0	1.2	EX	Austria
585.	2018.08.01	21:46:09.8	46.0356	17.1041	13.3	1.6	EQ	Croatia
586.	2018.08.02	08:00:52.9	47.9943	21.7409	0.0	-	EX	Nyírpazony
587.	2018.08.02	08:42:09.4	48.0750	20.6990	0.0	-	GT	Miskolc-Mexikóvölgy
588.	2018.08.02	09:04:45.3	48.5659	20.8219	0.0	1.7	EX	Slovakia
589.	2018.08.02	09:25:58.3	46.2651	18.4494	0.0	-	GT	Nagymányok
590.	2018.08.03	08:24:05.6	48.5380	20.7972	0.0	-	EX	Bódvalenke

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
591.	2018.08.03	10:19:50.7	47.2302	18.2835	0.0	1.3	GT	Iszkaszentgyörgy
592.	2018.08.04	16:06:30.6	45.9470	16.0303	5.0	1.3	EQ	Croatia
593.	2018.08.06	08:29:06.9	48.7807	20.0703	0.0	1.4	EX	Slovakia
594.	2018.08.07	08:37:54.8	48.8272	21.1427	0.0	1.7	EX	Slovakia
595.	2018.08.07	09:17:04.2	48.5564	20.7963	0.0	1.5	EX	Tornanádaska
596.	2018.08.08	06:28:57.0	47.8920	19.4049	0.0	1.1	GT	Bercel
597.	2018.08.08	08:46:26.0	47.8355	19.1270	0.0	2.0	GT	Sejce-Vác
598.	2018.08.08	08:59:50.5	48.5758	20.7509	0.0	1.4	EX	Slovakia
599.	2018.08.08	09:33:50.7	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
600.	2018.08.08	11:20:09.9	47.8987	20.0893	0.0	1.6	GT	Recsk
601.	2018.08.09	10:15:43.3	48.2470	21.2460	0.0	1.8	GT	Tállya
602.	2018.08.09	10:26:50.0	48.2470	21.2460	0.0	1.8	GT	Tállya
603.	2018.08.10	09:22:52.5	48.5896	20.7141	0.0	1.5	EX	Slovakia
604.	2018.08.11	09:14:18.6	46.1765	18.2926	0.0	0.9	GT	Komló-II
605.	2018.08.13	06:36:37.5	46.0652	22.8310	5.1	1.7	EQ	Romania
606.	2018.08.13	06:40:12.3	46.0680	22.8397	8.6	1.7	EQ	Romania
607.	2018.08.13	06:43:16.8	46.0682	22.8293	4.8	1.7	EQ	Romania
608.	2018.08.13	08:59:49.1	48.6202	20.7895	0.0	1.5	EX	Slovakia
609.	2018.08.14	00:04:35.5	45.9304	16.0275	2.3	1.7	EQ	Croatia
610.	2018.08.14	08:02:25.9	47.8324	19.8517	0.0	2.0	EX	Gyöngyöstarján
611.	2018.08.14	08:15:51.0	48.6542	20.9670	0.0	1.5	EX	Slovakia
612.	2018.08.14	09:12:40.8	47.0664	18.0389	0.0	1.9	EQ	Balatonfűzfő
613.	2018.08.14	10:30:23.5	46.1185	21.6432	6.8	1.5	EQ	Romania
614.	2018.08.15	06:24:52.5	47.8402	20.0869	0.0	1.8	EX	Domoszló
615.	2018.08.16	07:58:12.7	48.5603	18.7605	0.0	1.6	EX	Slovakia
616.	2018.08.16	09:50:46.3	47.8355	19.1270	0.0	1.7	GT	Sejce-Vác
617.	2018.08.16	09:56:59.7	47.8521	19.1515	0.0	1.3	EX	Ósagárd
618.	2018.08.16	10:27:15.5	48.1184	18.8787	13.6	2.0	EQ	Slovakia
619.	2018.08.16	10:29:42.2	48.2470	21.2460	0.0	2.1	GT	Tállya
620.	2018.08.17	01:25:11.6	48.9021	18.2294	7.5	3.1	EQ	Slovakia
621.	2018.08.17	06:49:06.6	46.9247	22.8900	5.7	1.5	EQ	Romania
622.	2018.08.17	07:53:55.5	47.5661	18.2758	10.0	-	EQ	Kömlőd
623.	2018.08.17	08:28:01.1	48.5848	20.7552	0.0	1.4	EX	Slovakia
624.	2018.08.17	10:05:54.7	46.1204	18.0243	0.0	1.2	GT	Bükkösd-I
625.	2018.08.21	08:18:41.0	48.5914	20.7429	0.0	1.2	EX	Slovakia
626.	2018.08.21	08:47:27.8	45.8961	18.3708	0.0	0.9	EX	Palkonya
627.	2018.08.21	17:45:48.1	47.5862	16.3677	0.0	1.4	EX	Austria
628.	2018.08.22	08:52:55.5	47.6683	18.5841	1.4	1.7	EQ	Bajna
629.	2018.08.22	09:15:40.6	48.1714	19.7050	0.0	2.2	EX	Karancskeszi
630.	2018.08.22	12:52:29.3	46.2651	18.4494	0.0	0.7	GT	Nagymányok
631.	2018.08.22	21:57:08.9	47.8055	18.9959	9.8	1.7	EQ	Kisoroszi
632.	2018.08.23	07:45:21.3	48.3729	19.0881	0.0	1.7	EX	Slovakia
633.	2018.08.23	07:51:50.5	47.8046	19.9431	0.0	1.8	EX	Gyöngyössolymos
634.	2018.08.23	09:15:29.8	48.3886	17.2324	0.0	1.8	EX	Slovakia
635.	2018.08.24	07:31:06.3	48.2470	21.2460	0.0	-	GT	Tállya
636.	2018.08.24	11:34:57.7	48.2470	21.2460	0.0	1.8	GT	Tállya
637.	2018.08.24	14:10:41.7	48.8745	21.3037	6.4	1.7	EQ	Slovakia
638.	2018.08.26	06:50:43.0	45.9978	17.1775	11.1	2.5	EQ	Croatia
639.	2018.08.27	08:00:45.9	48.2120	18.6413	0.0	1.5	EQ	Slovakia
640.	2018.08.27	10:14:09.2	48.3386	19.8576	0.0	1.7	EX	Slovakia
641.	2018.08.28	08:19:37.0	48.6325	20.6947	0.0	1.5	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
642.	2018.08.28	09:05:22.4	46.1765	18.2926	0.0	1.0	GT	Komló-II
643.	2018.08.29	07:41:43.0	47.9151	19.4088	0.0	1.8	GT	Szanda
644.	2018.08.29	08:41:11.9	47.8581	19.1218	5.0	1.6	EQ	Szendehely
645.	2018.08.29	10:33:18.1	46.1204	18.0243	0.0	1.3	GT	Bükkösd-I
646.	2018.08.29	11:02:47.0	46.1254	18.0152	0.0	1.2	GT	Bükkösd-II
647.	2018.08.29	12:53:10.0	47.5315	18.0948	1.0	1.8	EQ	Ete
648.	2018.08.29	13:29:07.5	46.1817	17.0544	13.6	3.1	EQ	Gyékényes
649.	2018.08.29	16:15:30.0	46.1204	21.6195	4.8	1.7	EQ	Romania
650.	2018.08.29	19:51:25.3	47.5018	18.0694	9.9	1.6	EQ	Vérteskethely
651.	2018.08.30	07:22:56.2	47.3143	18.4029	0.0	-	EX	Zámoly
652.	2018.08.30	07:32:51.0	47.2541	18.2672	11.4	-	EQ	Kincsesbánya
653.	2018.08.30	07:48:52.5	46.9675	22.2629	0.0	2.1	EX	Romania
654.	2018.08.30	08:31:30.6	48.5140	20.8094	0.0	1.3	EX	Tornabarakony
655.	2018.08.30	09:23:58.3	48.7953	19.4267	0.0	1.7	EX	Slovakia
656.	2018.08.30	10:26:40.3	48.5600	21.4511	0.0	-	EX	Slovakia
657.	2018.08.31	20:06:17.7	47.0053	19.4426	7.5	2.3	EQ	Kunbaracs
658.	2018.09.01	08:55:24.4	46.1765	18.2926	0.0	0.8	GT	Komló-II
659.	2018.09.03	07:58:29.0	48.5635	20.7796	0.0	1.5	EX	Tornanádaska
660.	2018.09.03	09:09:49.1	47.8987	20.0893	0.0	2.1	GT	Recsk
661.	2018.09.03	10:00:28.5	48.1225	18.9755	0.0	1.6	EX	Slovakia
662.	2018.09.03	11:19:18.1	47.8987	20.0893	0.0	1.5	GT	Recsk
663.	2018.09.04	08:12:03.4	48.6131	20.7344	0.0	1.4	EX	Slovakia
664.	2018.09.05	01:25:35.9	48.4788	22.2634	10.0	2.2	EQ	Ukraine
665.	2018.09.05	09:08:45.6	48.6153	20.7842	0.0	1.5	EX	Slovakia
666.	2018.09.05	09:37:01.2	46.1765	18.2926	0.0	0.8	GT	Komló-II
667.	2018.09.05	11:28:03.7	46.1331	21.6258	0.0	1.3	EX	Romania
668.	2018.09.05	13:13:54.1	48.5072	18.7451	0.0	1.5	EX	Slovakia
669.	2018.09.06	07:35:25.6	46.2651	18.4494	0.0	1.3	GT	Nagymányok
670.	2018.09.06	08:18:14.8	48.0750	20.6990	0.0	1.6	GT	Miskolc-Mexikóvölgy
671.	2018.09.06	08:31:23.1	48.4448	20.7253	0.0	1.4	EX	Szalonna
672.	2018.09.06	15:39:36.5	46.1362	16.5733	15.0	1.7	EQ	Croatia
673.	2018.09.07	08:09:21.0	48.6199	20.7403	0.0	1.6	EX	Slovakia
674.	2018.09.07	10:59:30.9	46.1204	18.0243	0.0	0.5	GT	Bükkösd-I
675.	2018.09.08	23:32:21.1	45.6210	18.0863	2.1	1.6	EQ	Croatia
676.	2018.09.10	01:10:33.3	45.9987	17.1579	11.2	2.2	EQ	Croatia
677.	2018.09.10	03:46:03.8	45.5691	16.5688	9.5	1.8	EQ	Croatia
678.	2018.09.10	06:16:27.1	47.1246	17.7200	5.0	1.5	EQ	Szentgál
679.	2018.09.10	08:25:50.2	48.5253	20.7878	0.0	1.7	EX	Tornaszentandrás
680.	2018.09.11	09:13:47.7	46.6547	22.2032	0.0	1.7	EX	Romania
681.	2018.09.11	09:32:56.2	48.6641	19.0898	0.0	1.9	EX	Slovakia
682.	2018.09.12	07:01:25.8	47.8987	20.0893	0.0	1.7	GT	Recsk
683.	2018.09.12	10:56:18.3	47.5600	18.4573	0.0	1.8	GT	Tatabánya
684.	2018.09.12	14:27:28.4	46.1356	21.7718	0.0	1.4	EX	Romania
685.	2018.09.13	09:06:56.1	45.8525	18.3977	0.0	0.9	GT	Nagyharsány
686.	2018.09.13	10:20:42.4	48.2470	21.2460	0.0	1.6	GT	Tállya
687.	2018.09.13	13:36:22.8	47.5754	18.3112	0.0	1.9	EX	Környe
688.	2018.09.14	06:08:47.0	47.2302	18.2835	0.0	1.3	GT	Iszkaszentgyörgy
689.	2018.09.14	06:24:52.4	47.3777	18.4281	0.0	-	EX	Csákvár
690.	2018.09.14	08:12:40.5	48.6210	20.6940	0.0	1.5	EX	Slovakia
691.	2018.09.14	09:14:10.9	48.1807	21.2187	0.0	1.8	EX	Szerencs
692.	2018.09.14	15:33:13.7	48.6157	20.7686	0.0	1.6	EX	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
693.	2018.09.15	08:52:32.4	45.8798	18.3689	0.0	-	EX	Kisharsány
694.	2018.09.15	19:30:32.2	45.7510	18.8684	3.3	1.2	EQ	Croatia
695.	2018.09.17	08:12:41.6	47.9870	20.3315	0.0	1.2	EX	Szarvaskó
696.	2018.09.17	10:02:29.7	48.1401	16.9243	0.0	1.7	EX	Austria
697.	2018.09.17	10:33:02.0	46.1204	18.0243	0.0	1.1	GT	Bükkösd-I
698.	2018.09.18	08:19:12.5	48.5687	20.7663	0.0	1.5	EX	Slovakia
699.	2018.09.18	10:06:06.0	48.3267	19.8383	0.0	1.8	EX	Slovakia
700.	2018.09.19	07:11:44.1	47.7301	18.5673	0.0	2.1	EX	Bajót
701.	2018.09.19	08:03:28.5	48.5649	20.7633	0.0	1.6	EX	Tornanádaska
702.	2018.09.19	10:26:23.0	48.6495	19.9131	14.4	1.7	EQ	Slovakia
703.	2018.09.20	10:06:15.7	47.2302	18.2835	0.0	1.6	GT	Iszkaszentgyörgy
704.	2018.09.20	10:59:54.5	47.8355	19.1270	0.0	1.8	GT	Sejce-Vác
705.	2018.09.20	19:27:54.4	45.6033	18.0460	3.1	2.0	EQ	Croatia
706.	2018.09.20	21:24:46.0	45.6948	17.9532	10.0	1.1	EQ	Croatia
707.	2018.09.21	01:54:02.9	47.9848	19.4173	13.7	1.7	EQ	Cserhátsurány
708.	2018.09.21	06:58:36.3	48.3828	19.0838	0.0	1.1	EX	Slovakia
709.	2018.09.21	10:00:25.2	48.1835	16.8785	0.0	2.0	EX	Austria
710.	2018.09.21	10:41:25.6	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
711.	2018.09.21	11:26:53.8	48.2470	21.2460	0.0	2.4	GT	Tállya
712.	2018.09.21	11:39:13.1	48.2470	21.2460	0.0	2.5	GT	Tállya
713.	2018.09.24	08:10:04.5	48.6038	20.7280	0.0	1.7	EX	Slovakia
714.	2018.09.25	08:38:52.0	48.5183	20.7976	0.0	1.7	EX	Tornaszentandrás
715.	2018.09.25	09:27:05.3	47.8920	19.4049	0.0	2.0	GT	Bercel
716.	2018.09.25	10:29:02.4	47.9252	19.8278	0.0	2.0	EX	Mátraszentimre
717.	2018.09.25	11:00:26.0	48.8488	20.9401	0.0	2.1	EX	Slovakia
718.	2018.09.25	13:14:53.9	48.4087	17.2683	0.0	2.1	EX	Slovakia
719.	2018.09.26	08:15:18.4	47.9796	20.3105	0.0	1.2	EX	Szarvaskó
720.	2018.09.26	08:55:53.9	48.5317	17.4515	0.0	1.7	EX	Slovakia
721.	2018.09.26	08:58:22.4	47.5600	18.4573	0.0	2.0	GT	Tatabánya
722.	2018.09.26	10:01:12.3	48.1197	16.9867	0.0	2.0	EX	Austria
723.	2018.09.27	06:24:43.6	47.3301	18.3601	0.0	2.2	EX	Csákszentimre
724.	2018.09.27	06:40:52.2	47.3386	18.5310	0.0	-	EX	Lovasberény
725.	2018.09.27	08:26:59.0	48.5357	20.7290	0.0	2.0	EX	Bódvaszilás
726.	2018.09.27	09:59:25.9	46.1254	18.0152	0.0	1.0	GT	Bükkösd-II
727.	2018.09.28	09:03:23.7	45.8525	18.3977	0.0	0.9	GT	Nagyharsány
728.	2018.09.28	09:57:24.6	45.6212	17.3445	8.7	2.1	EQ	Croatia
729.	2018.09.29	09:22:01.1	45.9884	18.3716	0.0	1.0	EX	Birján
730.	2018.09.30	16:33:15.7	47.9043	16.3233	8.2	1.7	EQ	Austria
731.	2018.09.30	17:08:26.0	47.0534	18.9325	10.0	1.8	EQ	Kulcs
732.	2018.10.01	01:28:15.6	45.8136	18.9274	6.4	1.9	EQ	Serbia
733.	2018.10.01	08:39:08.4	48.5951	20.7271	0.0	1.6	EX	Slovakia
734.	2018.10.02	07:23:41.5	48.6261	20.7098	0.0	1.8	EX	Slovakia
735.	2018.10.02	08:10:26.5	45.8525	18.3977	0.0	-	GT	Nagyharsány
736.	2018.10.02	10:00:46.6	48.1201	16.9607	0.0	1.9	EX	Austria
737.	2018.10.02	14:50:26.1	47.4286	19.5631	6.2	2.2	EQ	Sülysáp
738.	2018.10.02	21:56:51.4	47.8307	18.6731	16.3	1.9	EQ	Slovakia
739.	2018.10.02	23:22:07.7	47.8436	18.6571	13.9	1.4	EQ	Slovakia
740.	2018.10.03	06:57:08.3	47.4608	18.3473	0.0	1.9	EX	Oroszlány
741.	2018.10.03	10:26:07.0	48.6152	20.7796	0.0	1.7	EX	Slovakia
742.	2018.10.03	10:51:48.6	47.2053	18.3377	0.5	-	EQ	Moha
743.	2018.10.03	11:43:31.1	46.1249	16.4185	1.3	1.8	EQ	Croatia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
744.	2018.10.04	07:16:27.2	47.3436	18.3791	0.0	1.8	EX	Csákerény
745.	2018.10.04	08:22:27.4	48.4235	17.2792	0.0	2.0	EX	Slovakia
746.	2018.10.04	09:55:11.8	48.6087	20.7790	0.0	1.7	EX	Slovakia
747.	2018.10.04	10:39:53.0	48.2470	21.2460	0.0	2.3	GT	Tállya
748.	2018.10.04	10:53:38.2	46.3175	21.6193	5.0	1.8	EQ	Romania
749.	2018.10.04	11:02:42.2	48.1750	19.7776	0.0	1.4	EX	Slovakia
750.	2018.10.05	06:26:16.5	47.2302	18.2835	0.0	1.5	GT	Iszkaszentgyörgy
751.	2018.10.06	09:06:41.0	48.0061	19.6278	0.0	1.9	GT	Nagylóc
752.	2018.10.06	09:08:44.3	48.0061	19.6278	0.0	1.7	GT	Nagylóc
753.	2018.10.07	00:48:43.5	45.9994	17.2957	9.7	1.7	EQ	Croatia
754.	2018.10.08	07:43:39.5	47.3575	18.0511	0.0	-	EX	Súr
755.	2018.10.08	07:52:22.1	48.5347	19.3196	0.0	1.7	EX	Slovakia
756.	2018.10.08	11:04:07.9	48.2434	21.5083	0.0	2.3	EX	Sárazsadány
757.	2018.10.08	12:15:21.0	46.1254	18.0152	0.0	1.0	GT	Bükkösd-II
758.	2018.10.08	12:28:58.0	46.1254	18.0152	0.0	-	GT	Bükkösd-II
759.	2018.10.08	12:48:03.8	48.3343	19.8546	0.0	1.4	EX	Slovakia
760.	2018.10.09	06:00:00.7	47.3059	18.4005	0.0	1.6	EX	Zámoly
761.	2018.10.09	09:47:53.1	48.5045	18.7408	0.0	1.6	EX	Slovakia
762.	2018.10.09	09:59:44.9	48.5557	20.6883	0.0	-	EX	Slovakia
763.	2018.10.09	10:01:03.2	48.1824	16.8930	0.0	1.7	EX	Austria
764.	2018.10.10	08:49:31.0	45.5947	17.3585	10.4	1.8	EQ	Croatia
765.	2018.10.11	06:44:39.5	47.3672	18.4402	0.0	1.8	EX	Csákvár
766.	2018.10.11	06:54:17.4	45.5446	20.5122	9.9	2.0	EQ	Serbia
767.	2018.10.11	07:38:25.9	46.1356	21.6817	9.1	1.8	EQ	Romania
768.	2018.10.11	08:58:27.9	48.3004	18.5763	0.0	1.5	EX	Slovakia
769.	2018.10.11	09:12:29.6	48.6401	20.8191	0.0	1.8	EX	Slovakia
770.	2018.10.11	09:54:52.6	48.2470	21.2460	0.0	2.5	GT	Tállya
771.	2018.10.11	10:21:33.3	46.8548	17.2699	0.0	2.2	GT	Várvölgy
772.	2018.10.11	12:09:00.3	47.8650	20.1529	0.0	1.7	GT	Kisnána
773.	2018.10.11	13:22:38.0	47.6137	16.3642	0.0	1.6	EX	Austria
774.	2018.10.11	13:23:58.1	45.9077	16.1545	0.0	2.2	EQ	Croatia
775.	2018.10.12	06:02:28.7	47.2302	18.2835	0.0	1.5	GT	Iszkaszentgyörgy
776.	2018.10.12	08:09:07.5	48.5337	20.7495	0.0	1.4	EX	Bódvaszilás
777.	2018.10.12	10:07:49.1	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
778.	2018.10.13	08:32:15.8	48.0061	19.6278	0.0	-	GT	Nagylóc
779.	2018.10.13	09:43:36.0	46.1765	18.2926	0.0	1.2	GT	Komló-II
780.	2018.10.13	10:03:09.2	46.1771	16.0124	0.0	2.1	EX	Croatia
781.	2018.10.15	08:00:20.4	48.5836	20.7930	0.0	1.6	EX	Slovakia
782.	2018.10.15	09:06:15.9	48.3597	19.0769	0.0	2.4	EX	Slovakia
783.	2018.10.16	07:24:18.1	48.5505	19.3396	0.0	2.0	EX	Slovakia
784.	2018.10.16	07:38:09.2	48.6030	20.7550	0.0	1.6	EQ	Slovakia
785.	2018.10.16	10:01:08.2	48.1708	16.8792	0.0	1.9	EX	Austria
786.	2018.10.17	04:32:11.6	48.6480	19.4144	10.4	1.8	EQ	Slovakia
787.	2018.10.17	07:24:22.1	48.6891	18.6578	0.0	1.7	EX	Slovakia
788.	2018.10.17	10:32:59.6	48.2470	21.2460	0.0	2.3	GT	Tállya
789.	2018.10.17	10:37:09.8	48.5793	20.7622	0.0	1.4	EX	Slovakia
790.	2018.10.17	11:16:01.5	48.3835	17.2104	0.0	2.0	EX	Slovakia
791.	2018.10.18	08:32:17.9	47.3469	18.3950	0.0	-	EX	Zámoly
792.	2018.10.18	09:02:49.9	48.6987	20.8010	0.0	1.6	EX	Slovakia
793.	2018.10.18	09:08:55.3	48.3828	18.4621	0.0	1.3	EX	Slovakia
794.	2018.10.18	09:26:44.2	46.1204	18.0243	0.0	-	GT	Bükkösd-I

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
795.	2018.10.18	10:09:51.4	47.2302	18.2835	0.0	1.2	GT	Iszkaszentgyörgy
796.	2018.10.19	09:16:56.7	47.2302	18.2835	0.0	1.8	GT	Iszkaszentgyörgy
797.	2018.10.19	09:43:34.9	45.6050	17.3016	0.0	2.0	EX	Croatia
798.	2018.10.19	10:00:27.7	48.1207	16.9475	0.0	1.5	EX	Austria
799.	2018.10.19	10:16:46.2	48.2470	21.2460	0.0	1.7	GT	Tállya
800.	2018.10.21	09:38:16.5	45.8872	17.2580	7.4	1.2	EQ	Croatia
801.	2018.10.22	08:58:30.2	46.3195	21.6284	5.4	1.9	EQ	Romania
802.	2018.10.22	10:10:37.1	48.4198	19.1287	0.0	1.9	EX	Slovakia
803.	2018.10.22	14:40:15.5	46.0459	17.0638	5.4	1.9	EQ	Croatia
804.	2018.10.23	08:25:26.2	48.6181	20.7704	0.0	1.8	EX	Slovakia
805.	2018.10.24	06:40:06.3	47.3024	18.3708	0.0	1.8	EX	Magyaralmás
806.	2018.10.24	09:12:05.3	48.5773	20.7191	0.0	1.5	EX	Slovakia
807.	2018.10.24	10:01:44.9	48.1362	16.9496	0.0	1.9	EX	Austria
808.	2018.10.24	12:58:22.3	48.2470	21.2460	0.0	2.0	GT	Tállya
809.	2018.10.25	08:24:03.9	47.0058	22.2763	0.0	1.9	EX	Romania
810.	2018.10.25	08:36:10.7	48.5624	20.7676	0.0	1.6	EX	Tornanádaska
811.	2018.10.25	09:28:34.3	47.2302	18.2835	0.0	1.4	GT	Iszkaszentgyörgy
812.	2018.10.25	10:00:10.5	48.1555	16.9513	0.0	1.7	EX	Austria
813.	2018.10.25	10:13:02.5	48.8298	21.1283	0.0	2.0	EX	Slovakia
814.	2018.10.25	14:49:02.4	47.9151	19.4088	0.0	1.8	GT	Szanda
815.	2018.10.26	08:09:34.8	48.5634	20.7312	0.0	1.4	EX	Slovakia
816.	2018.10.26	09:17:56.0	48.3425	19.8997	0.0	1.8	EX	Slovakia
817.	2018.10.26	09:50:18.7	48.5557	20.7850	0.0	1.4	EX	Tornanádaska
818.	2018.10.26	15:09:12.9	48.3915	17.2638	0.0	1.7	EX	Slovakia
819.	2018.10.27	08:00:38.5	48.4953	17.4692	0.0	1.6	EX	Slovakia
820.	2018.10.27	11:11:30.6	47.3767	18.2245	6.8	1.6	EQ	Mór
821.	2018.10.29	09:03:00.3	47.3038	17.6642	0.0	2.0	EX	Bakonykoppány
822.	2018.10.29	11:28:08.6	46.1204	18.0243	0.0	1.6	GT	Bükkösd-I
823.	2018.10.31	10:08:22.5	45.8773	18.3539	0.0	-	EX	Nagyótfalu
824.	2018.10.31	11:15:40.7	48.6352	20.7459	0.0	1.5	EX	Slovakia
825.	2018.11.04	20:57:17.4	47.9558	16.3938	10.9	2.4	EQ	Austria
826.	2018.11.04	21:05:23.7	47.9519	16.3813	11.5	2.1	EQ	Austria
827.	2018.11.05	09:16:12.5	48.5636	20.7645	0.0	1.7	EX	Tornanádaska
828.	2018.11.05	09:22:16.6	47.3141	17.6388	0.0	1.3	EX	Ugod
829.	2018.11.05	09:56:26.2	48.5029	17.4858	0.0	1.7	EX	Slovakia
830.	2018.11.05	11:00:44.0	48.1149	18.9598	0.0	1.6	EX	Slovakia
831.	2018.11.05	13:42:32.4	46.1254	18.0152	0.0	1.5	GT	Bükkösd-II
832.	2018.11.06	08:45:08.9	46.4110	21.5171	9.7	2.3	EQ	Romania
833.	2018.11.06	09:34:28.4	48.5557	20.7885	0.0	1.7	EX	Tornanádaska
834.	2018.11.06	10:52:19.1	47.2302	18.2835	0.0	1.8	GT	Iszkaszentgyörgy
835.	2018.11.06	11:18:43.6	46.0560	22.8443	0.8	1.6	EQ	Romania
836.	2018.11.06	11:34:16.8	48.5698	18.7737	0.0	1.6	EX	Slovakia
837.	2018.11.07	00:02:55.7	46.1065	21.5818	8.4	2.0	EQ	Romania
838.	2018.11.07	09:09:34.1	47.3308	18.3819	0.0	-	EX	Zámoly
839.	2018.11.07	09:51:38.9	48.5562	20.7639	0.0	1.7	EX	Komjáti
840.	2018.11.07	10:12:53.2	48.2470	21.2460	0.0	1.9	GT	Tállya
841.	2018.11.07	20:46:52.2	47.3771	18.2508	5.1	1.7	EQ	Csókakő
842.	2018.11.08	08:48:23.2	48.0776	21.3472	0.0	1.4	EX	Taktabáj
843.	2018.11.08	11:41:07.4	48.3648	20.0022	0.0	1.7	EX	Slovakia
844.	2018.11.08	13:11:35.6	48.2470	21.2460	0.0	2.2	GT	Tállya
845.	2018.11.08	14:28:44.0	48.5362	22.8836	11.8	2.6	EQ	Ukraine

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
846.	2018.11.09	08:02:50.6	46.9263	22.8949	0.0	1.8	EX	Romania
847.	2018.11.09	10:51:02.8	48.5505	20.7559	0.0	1.9	EX	Komjáti
848.	2018.11.09	20:03:13.8	48.0193	22.4491	3.6	2.1	EQ	Nábrád
849.	2018.11.10	22:51:06.9	45.8021	17.6727	12.6	2.1	EQ	Croatia
850.	2018.11.11	12:43:41.6	45.8987	17.2685	12.9	2.3	EQ	Croatia
851.	2018.11.12	10:22:33.4	48.5853	20.7881	0.0	1.6	EX	Slovakia
852.	2018.11.12	11:02:37.8	46.1254	18.0152	0.0	1.8	GT	Bükkösd-II
853.	2018.11.12	13:34:32.4	48.5642	17.4850	0.0	1.5	EX	Slovakia
854.	2018.11.13	08:40:08.5	47.9363	20.3285	0.0	1.3	EX	Egerbakta
855.	2018.11.13	09:32:22.4	48.4864	17.5127	0.0	1.8	EX	Slovakia
856.	2018.11.13	09:42:22.6	46.7153	22.0914	4.3	1.7	EQ	Romania
857.	2018.11.13	18:47:32.4	45.6486	16.2626	12.5	2.0	EQ	Croatia
858.	2018.11.14	09:33:19.9	46.0564	22.9046	8.9	1.8	EQ	Romania
859.	2018.11.14	09:40:29.7	47.3399	18.4250	0.0	-	EX	Zámoly
860.	2018.11.14	10:18:45.3	48.8550	20.4917	0.0	2.1	EX	Slovakia
861.	2018.11.14	10:34:48.8	48.5366	20.7482	0.0	1.6	EX	Bódvaszilás
862.	2018.11.14	10:47:25.6	47.2302	18.2835	0.0	1.8	GT	Iszkaszentgyörgy
863.	2018.11.15	09:43:30.4	45.8525	18.3977	0.0	0.9	GT	Nagyharsány
864.	2018.11.15	09:55:51.4	46.3266	21.8548	0.0	1.5	EX	Romania
865.	2018.11.15	10:20:04.0	48.5641	20.7548	0.0	1.6	EX	Komjáti
866.	2018.11.15	11:09:36.8	45.9565	17.9832	10.0	-	EQ	Magyartelek
867.	2018.11.16	08:40:54.7	48.6465	18.5911	0.0	1.8	EX	Slovakia
868.	2018.11.16	10:58:02.6	47.2302	18.2835	0.0	-	GT	Iszkaszentgyörgy
869.	2018.11.17	10:48:06.3	48.0061	19.6278	0.0	-	GT	Nagyloc
870.	2018.11.19	01:33:42.8	46.0085	21.4328	7.8	1.4	EQ	Romania
871.	2018.11.19	02:18:09.9	45.5063	20.9448	10.9	2.0	EQ	Romania
872.	2018.11.19	09:49:30.7	48.6276	20.7951	0.0	1.6	EX	Slovakia
873.	2018.11.19	09:54:24.4	48.3417	17.2770	0.0	1.8	EX	Slovakia
874.	2018.11.19	10:23:43.3	48.3750	20.6379	0.0	-	EX	Rudabánya
875.	2018.11.19	10:51:12.2	48.5072	17.2611	0.0	1.5	EX	Slovakia
876.	2018.11.19	10:59:18.9	48.1078	16.9334	0.0	1.9	EX	Austria
877.	2018.11.19	12:43:12.5	47.7090	18.5494	0.0	2.0	EX	Bajót
878.	2018.11.19	22:09:50.0	47.8367	18.6552	3.8	1.9	EQ	Slovakia
879.	2018.11.20	07:59:59.9	47.3406	18.3826	0.0	2.1	EX	Zámoly
880.	2018.11.20	08:41:52.6	47.3080	17.6659	0.0	1.6	EX	Bakonykoppány
881.	2018.11.20	10:45:14.6	47.8662	20.0978	0.0	1.7	EX	Kisnána
882.	2018.11.20	10:53:48.3	47.8545	20.0358	0.0	2.1	EX	Markaz
883.	2018.11.20	12:58:22.6	48.5588	20.7679	0.0	1.8	EX	Tornanádaska
884.	2018.11.21	10:39:56.8	47.8285	19.9317	0.0	-	GT	Gyöngyössolymos-II
885.	2018.11.21	12:53:38.9	48.5693	20.7536	0.0	1.6	EX	Slovakia
886.	2018.11.21	23:47:58.9	48.0272	20.2644	10.0	1.2	EQ	Egerbocs
887.	2018.11.21	23:50:27.1	48.0304	20.2472	8.9	2.0	EQ	Egerbocs
888.	2018.11.21	23:49:56.4	48.0811	20.2108	5.0	1.7	EQ	Szentdomonkos
889.	2018.11.22	00:14:02.8	48.0368	20.2489	14.3	1.4	EQ	Szúcs
890.	2018.11.22	08:30:40.2	47.3629	18.4151	0.0	1.3	EX	Gánt
891.	2018.11.22	10:28:30.0	46.1765	18.2926	0.0	1.4	GT	Komló-II
892.	2018.11.22	10:47:07.3	48.4274	19.1801	0.0	1.9	EX	Slovakia
893.	2018.11.22	11:03:04.8	46.1204	18.0243	0.0	-	GT	Bükkösd-I
894.	2018.11.22	12:41:40.5	48.2470	21.2460	0.0	2.3	GT	Tállya
895.	2018.11.23	08:24:24.1	47.1319	18.1204	10.0	1.7	EQ	Berhida
896.	2018.11.23	10:14:45.9	48.5565	20.7711	0.0	1.7	EX	Tornanádaska

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
897.	2018.11.23	10:30:57.0	47.2302	18.2835	0.0	1.9	GT	Iszkaszentgyörgy
898.	2018.11.23	13:02:09.2	45.5058	17.8253	5.3	2.1	EQ	Croatia
899.	2018.11.24	05:27:34.4	45.6748	16.1724	2.3	3.5	EQ	Croatia
900.	2018.11.24	06:54:38.9	45.6837	16.1564	4.2	2.2	EQ	Croatia
901.	2018.11.24	08:30:20.1	46.0089	21.9875	12.8	1.5	EQ	Romania
902.	2018.11.25	22:25:07.5	46.1721	16.1491	7.4	2.1	EQ	Croatia
903.	2018.11.26	07:23:06.0	45.8726	16.0928	4.6	2.7	EQ	Croatia
904.	2018.11.26	09:08:55.1	48.6078	20.7222	0.0	-	EX	Slovakia
905.	2018.11.26	13:03:31.1	48.2470	21.2460	0.0	2.0	GT	Tállya
906.	2018.11.26	13:23:02.2	48.2470	21.2460	0.0	-	GT	Tállya
907.	2018.11.28	10:18:06.7	47.3096	17.6637	0.0	1.8	EX	Bakonykoppány
908.	2018.11.28	10:57:34.0	47.9426	19.8797	0.0	1.9	EX	Mátraszentimre
909.	2018.11.28	12:33:10.0	48.6104	20.7828	0.0	2.0	EX	Slovakia
910.	2018.11.28	19:59:52.8	47.9489	16.4039	8.7	2.4	EQ	Austria
911.	2018.11.28	20:44:45.9	47.9307	16.3865	13.0	2.5	EQ	Austria
912.	2018.11.29	08:45:37.9	48.6279	18.6620	0.0	1.5	EX	Slovakia
913.	2018.11.29	09:36:14.7	46.9429	22.8383	14.6	1.9	EQ	Romania
914.	2018.11.29	09:38:08.4	47.3383	18.4324	0.0	-	EX	Zámoly
915.	2018.11.29	10:00:04.0	48.3764	17.3338	0.0	2.1	EX	Slovakia
916.	2018.11.29	10:14:08.8	45.7928	18.4423	0.0	1.4	GT	Beremend
917.	2018.11.29	10:38:15.9	48.5524	20.7742	0.0	2.0	EX	Tornanádaska
918.	2018.11.30	10:31:09.4	47.2302	18.2835	0.0	1.6	GT	Iszkaszentgyörgy
919.	2018.11.30	10:43:02.8	45.6005	17.3533	9.7	1.9	EQ	Croatia
920.	2018.11.30	11:01:35.1	48.5434	20.7437	0.0	1.7	EX	Bódvaszilas
921.	2018.12.01	09:38:54.9	47.5228	18.6610	0.0	1.4	EX	Mány
922.	2018.12.03	08:29:22.6	45.9926	22.6822	0.0	1.8	EX	Romania
923.	2018.12.03	10:15:06.8	47.8355	19.1270	0.0	1.8	GT	Sejce-Vác
924.	2018.12.03	10:30:18.0	47.3558	18.3852	0.0	1.8	EX	Gánt
925.	2018.12.03	11:25:11.9	48.2903	19.7866	0.0	1.4	EX	Slovakia
926.	2018.12.03	12:15:40.0	46.8213	17.2435	0.0	1.7	EX	Cserszegtomaj
927.	2018.12.04	08:20:08.1	47.1260	18.1193	0.0	1.5	EX	Berhida
928.	2018.12.04	09:20:41.1	46.9209	22.8727	3.2	1.7	EQ	Romania
929.	2018.12.04	09:48:21.5	48.4941	17.5493	0.0	1.7	EX	Slovakia
930.	2018.12.04	10:29:54.5	48.5429	20.8011	0.0	1.7	EX	Bódvalenke
931.	2018.12.04	11:30:23.4	48.1058	18.9900	0.0	1.7	EX	Slovakia
932.	2018.12.05	09:02:40.3	47.8355	19.1270	0.0	1.5	GT	Sejce-Vác
933.	2018.12.05	09:49:37.4	46.1254	18.0152	0.0	0.8	GT	Bükkösd-II
934.	2018.12.05	10:01:52.8	48.5578	20.7217	0.0	1.6	EX	Bódvaszilas
935.	2018.12.06	09:31:38.2	48.6051	20.7750	0.0	1.7	EX	Slovakia
936.	2018.12.07	09:41:52.2	46.1765	18.2926	0.0	0.9	GT	Komló-II
937.	2018.12.07	11:25:27.6	48.2470	21.2460	0.0	1.8	GT	Tállya
938.	2018.12.07	12:30:11.5	48.3349	19.8676	0.0	1.7	EX	Slovakia
939.	2018.12.11	08:59:36.0	46.0680	22.8052	0.0	1.6	EX	Romania
940.	2018.12.11	09:06:03.2	46.9890	22.7135	0.0	1.5	EX	Romania
941.	2018.12.11	09:28:31.0	48.5574	20.8255	0.0	1.5	EX	Hidvégdárdó
942.	2018.12.11	09:55:04.7	46.0563	22.8186	2.7	1.7	EQ	Romania
943.	2018.12.11	16:32:03.4	48.3996	17.2685	0.0	1.9	EX	Slovakia
944.	2018.12.12	05:36:13.3	46.1454	21.6210	13.5	1.4	EQ	Romania
945.	2018.12.12	11:01:11.5	48.1334	16.9294	0.0	1.8	EX	Austria
946.	2018.12.12	11:07:20.9	48.5724	20.7980	0.0	1.6	EX	Slovakia
947.	2018.12.12	13:30:31.6	48.2470	21.2460	0.0	2.1	GT	Tállya

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Type	Locality
948.	2018.12.12	15:50:05.1	46.1382	21.6228	14.7	0.8	EQ	Romania
949.	2018.12.13	08:12:00.5	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
950.	2018.12.13	10:01:07.5	45.8525	18.3977	0.0	1.1	GT	Nagyharsány
951.	2018.12.13	10:30:36.4	47.8355	19.1270	0.0	1.3	GT	Sejce-Vác
952.	2018.12.13	10:49:00.8	48.4986	20.7444	0.0	1.7	EX	Bódvarákó
953.	2018.12.13	11:45:24.0	48.4522	20.7787	0.0	1.7	EX	Meszies
954.	2018.12.14	11:02:31.7	48.6057	20.7463	0.0	1.6	EX	Slovakia
955.	2018.12.14	11:05:28.7	46.8299	17.3044	0.0	1.8	EX	Vállus
956.	2018.12.15	10:44:41.5	47.9938	19.6146	0.0	2.0	EX	Hollókő
957.	2018.12.15	10:53:11.6	48.0336	19.6371	0.0	1.6	EX	Lucfalva
958.	2018.12.16	15:05:37.5	48.5432	17.3074	3.3	2.8	EQ	Slovakia
959.	2018.12.17	04:57:35.7	48.5249	17.3497	2.1	1.7	EQ	Slovakia
960.	2018.12.17	08:54:43.3	47.8224	20.5818	0.0	-	EX	Mezőkövesd
961.	2018.12.17	10:57:22.1	45.8525	18.3977	0.0	-	GT	Nagyharsány
962.	2018.12.17	10:59:53.6	46.8769	17.2636	0.0	2.0	EX	Zalaszántó
963.	2018.12.18	10:18:16.8	48.5177	20.7871	0.0	1.7	EX	Tornaszentandrás
964.	2018.12.18	11:19:08.6	48.5425	20.8065	0.0	2.0	EX	Bódvalenke
965.	2018.12.19	08:16:56.6	46.0654	22.8032	0.0	1.6	EX	Romania
966.	2018.12.19	08:30:51.1	46.0724	22.8721	0.0	1.7	EX	Romania
967.	2018.12.19	10:44:19.1	48.5561	20.7606	0.0	1.6	EX	Komjáti
968.	2018.12.19	11:14:45.1	48.5898	20.8304	0.0	1.6	EX	Slovakia
969.	2018.12.19	11:46:24.2	48.6644	19.9113	0.0	1.7	EX	Slovakia
970.	2018.12.20	09:00:53.0	48.5294	20.7725	0.0	1.4	EX	Tornaszentandrás
971.	2018.12.20	11:25:56.6	46.8094	17.1198	8.0	1.5	EQ	Zalacsány
972.	2018.12.21	05:58:36.3	48.6421	19.3995	0.0	1.5	EQ	Slovakia
973.	2018.12.21	09:01:50.1	48.5915	20.7967	0.0	1.5	EX	Slovakia
974.	2018.12.21	22:40:49.6	48.6491	19.4138	15.9	1.3	EQ	Slovakia
975.	2018.12.26	20:14:39.9	46.1905	20.7399	7.0	2.1	EQ	Nagylak
976.	2018.12.28	09:26:07.9	47.8355	19.1270	0.0	1.6	GT	Sejce-Vác
977.	2018.12.29	15:23:11.6	46.0803	16.4109	11.2	2.1	EQ	Croatia

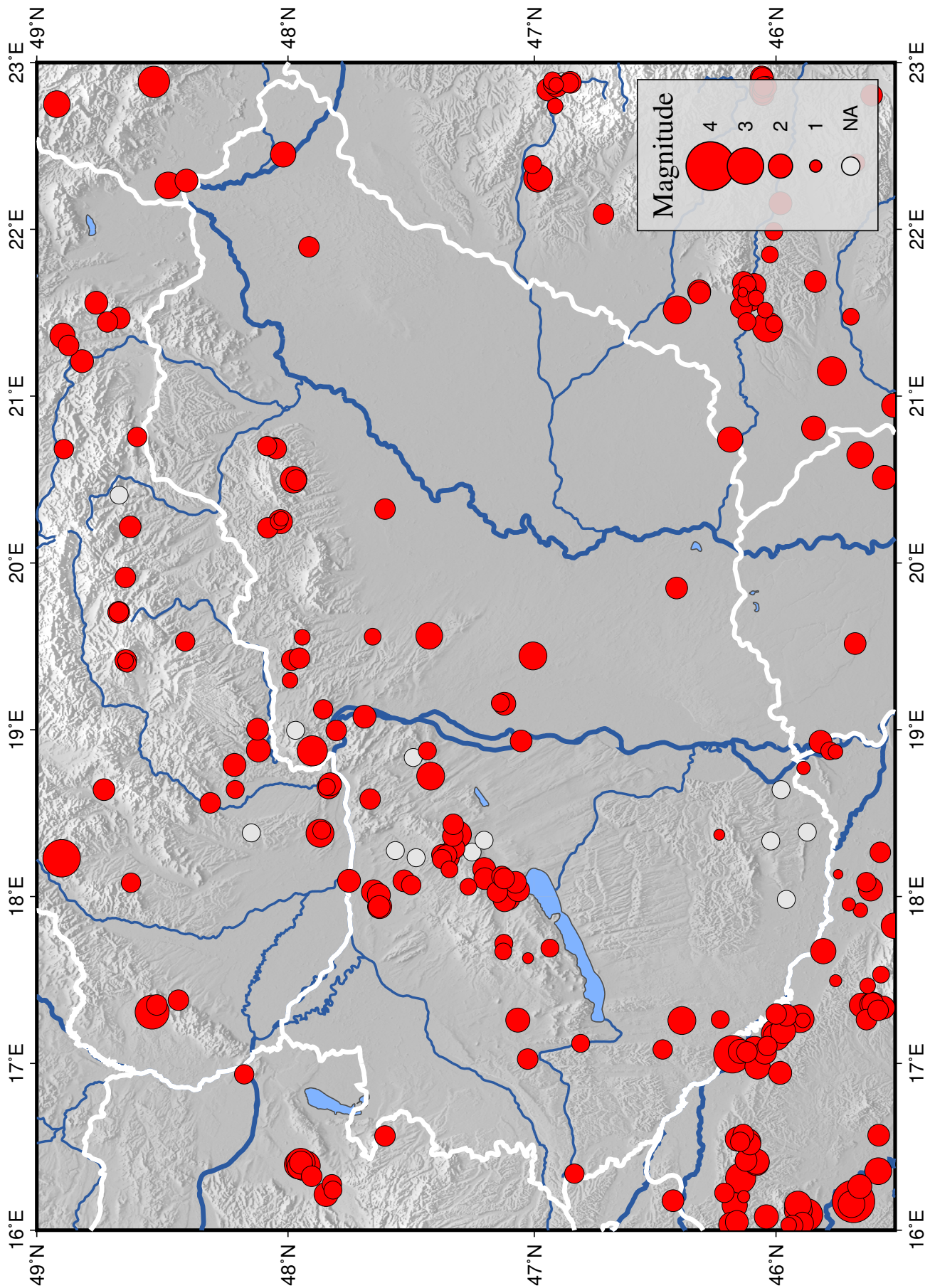


Figure 2.1: The epicenters of the located earthquakes in 2018. The earthquakes with unknown magnitudes are marked by gray circles.

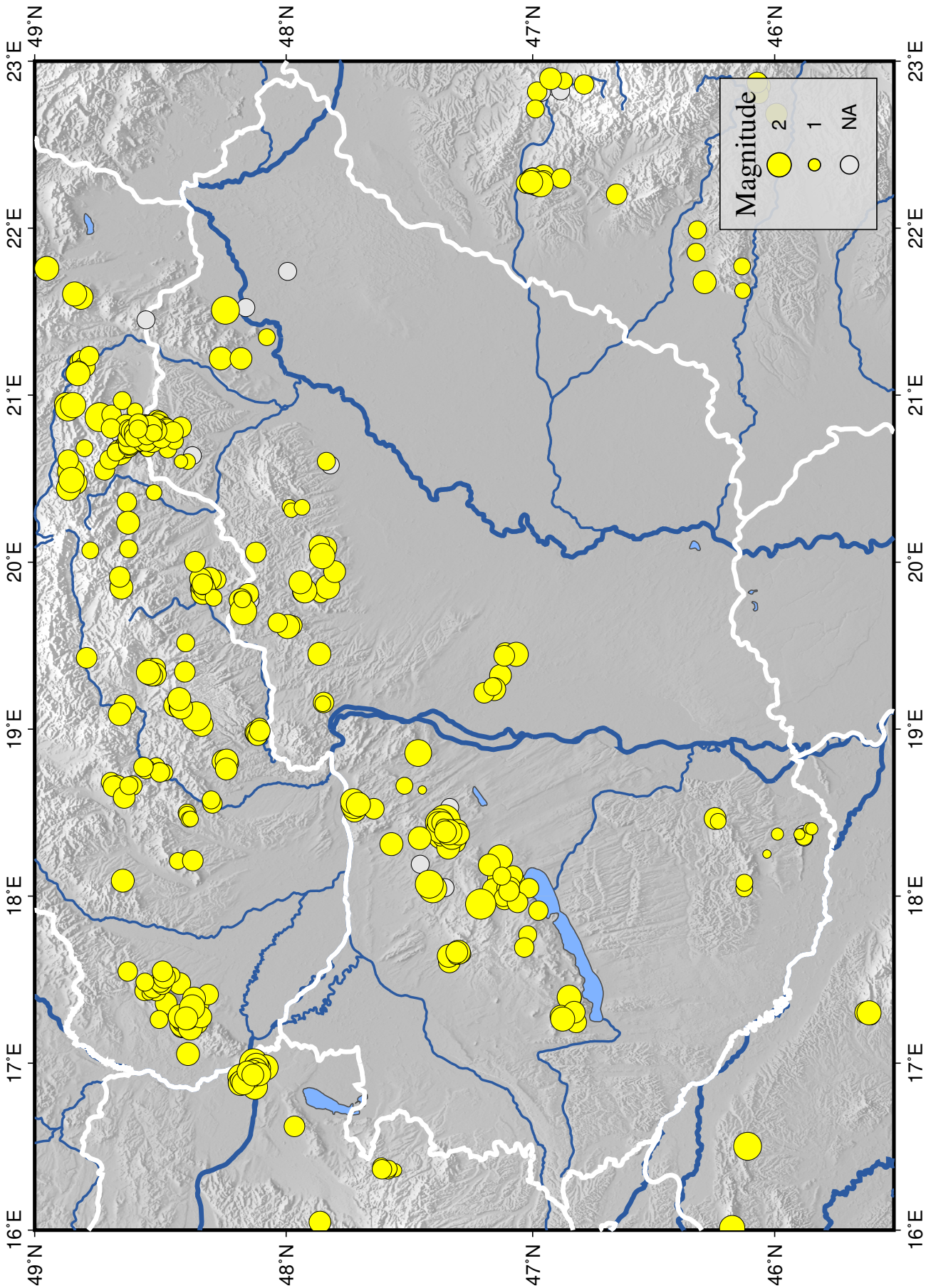


Figure 2.2: The epicenters of the located explosions in 2018. The explosions with unknown magnitudes are marked by gray circles.

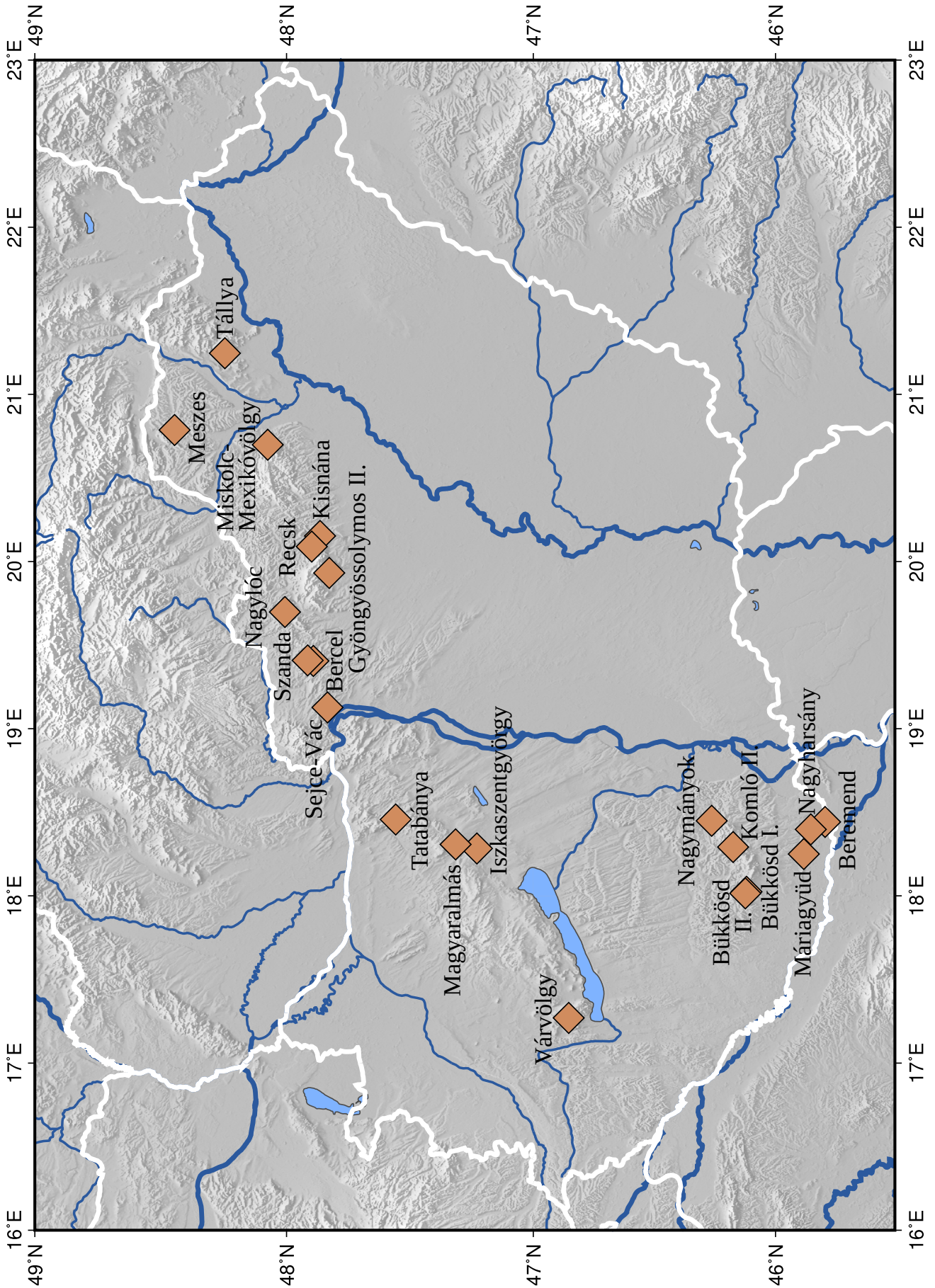


Figure 2.3: The location of the quarries with identified explosions (ground truth events).

3. Macroseismic data

During the year 2018 three 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 3.2-3.4 the name of settlements, their coordinates, the estimated EMS intensity values and the number of reports (N) can be seen. Figures 3.1-3.3 show the spatial distribution of the intensity values.

Date	Time	Lat. (°N)	Lon. (°N)	Depth (km)	Magn. (ML)	Max. intensity (EMS)
2018.01.12	01:31:27.6	47.9777	20.4990	6.0	2.2	IV
2018.05.12	23:50:42.9	47.9021	18.8732	10.5	2.5	III
2018.08.29	13:29:07.5	46.1817	17.0544	13.6	3.1	III-IV

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

2018.01.12 01:31 – Bükkzsérc

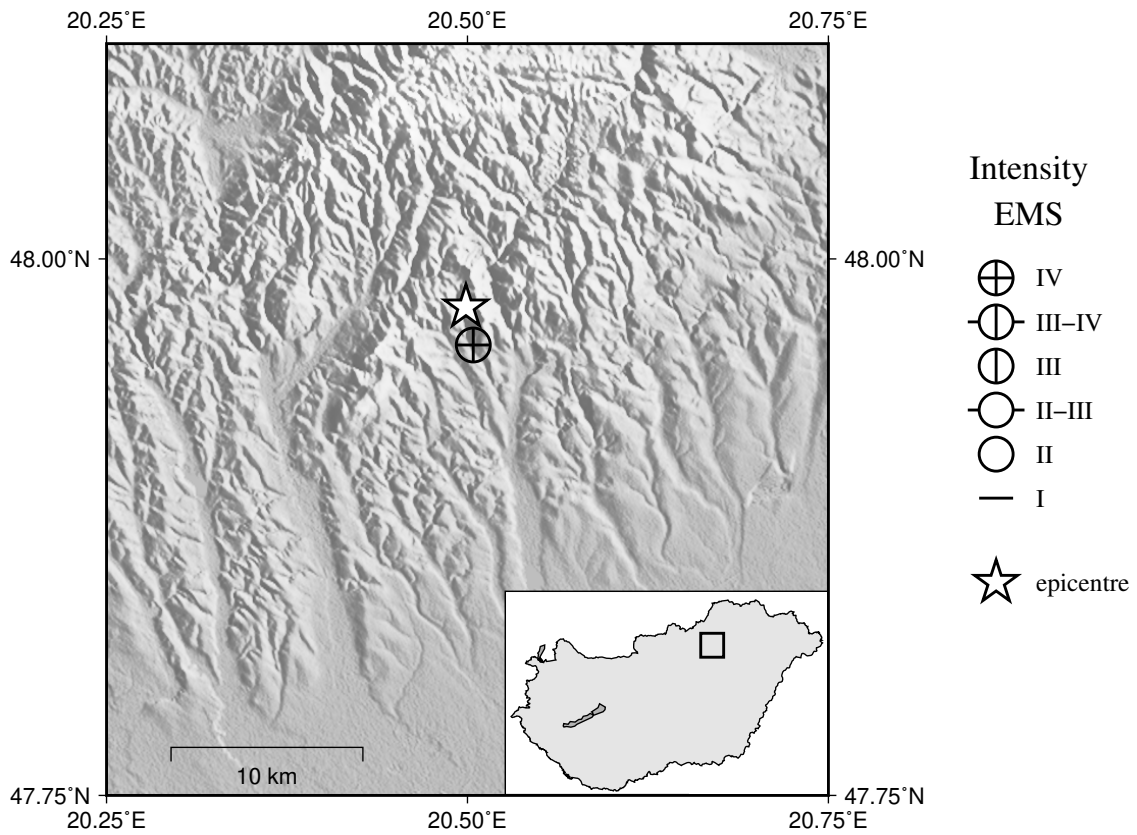


Figure 3.1:

EMS intensity distribution for the earthquake of 2018.01.12 01:31 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Bükkzsérc	47.960	20.504	IV	3

Table 3.2:

Felt EMS intensities for the earthquake of 2018.01.12 01:31 UTC

2018.05.12 23:50 – Márianosztra

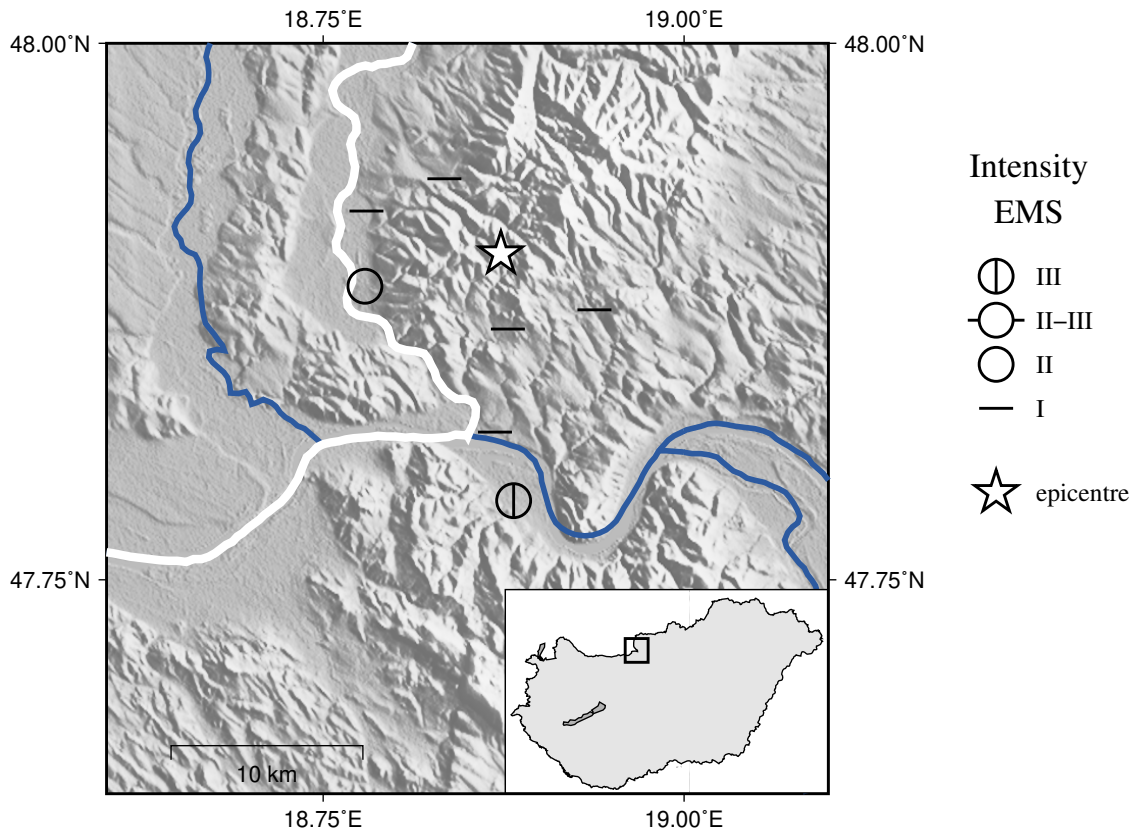


Figure 3.2:

EMS intensity distribution for the earthquake of 2018.05.12 23:50 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Ipolytölgyes	47.922	18.780	I	1
Kóspallag	47.876	18.938	I	1
Letkés	47.887	18.779	II	1
Márianosztra	47.867	18.878	I	1
Nagybörzsöny	47.937	18.834	I	1
Pilismarót	47.787	18.882	III	1
Szob	47.819	18.869	I	1

Table 3.3:

Felt EMS intensities for the earthquake of 2018.05.12 23:50 UTC

2018.08.29 13:29 – Gyékényes

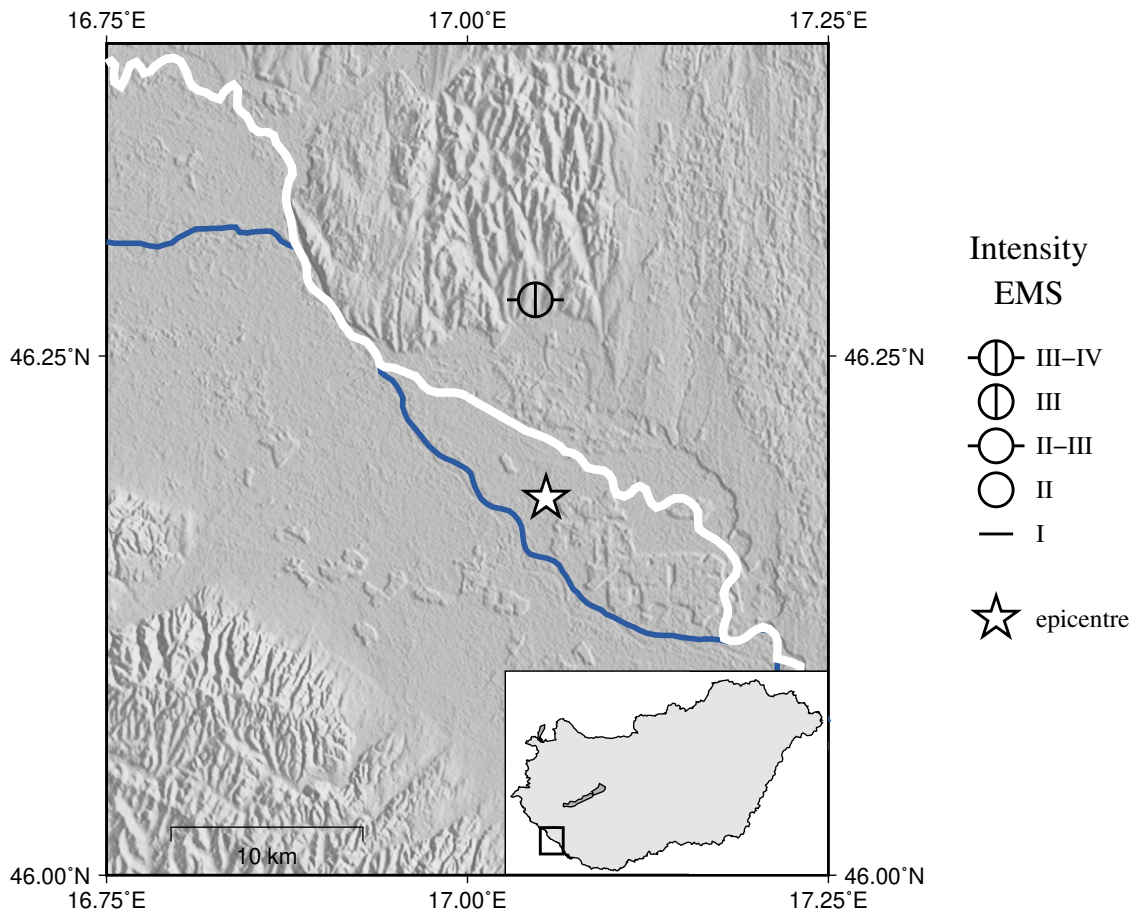


Figure 3.3:

EMS intensity distribution for the earthquake of 2018.08.29 13:29 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Porrogszentkirály	46.277	17.047	III-IV	1

Table 3.4:

Felt EMS intensities for the earthquake of 2018.08.29 13:29 UTC

4. Phase data

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

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

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

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

Event block

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

Origin block

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

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

Magnitude block

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

Phase block

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

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/01/01	04:33:46.52	0.97	0.80	48.6762	19.7046	4.9	3.5	159	7.6F	2.0	22	11	82	0.55	1.55	m	ke BUD	15113942	iLoc			108

Magnitude	Err	Nsta	Author	OrigID
M	1.8	8	BUD	15113942

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.55	110.1	Pg	04:33:57.653	0.1					T__						15113944	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.55	110.1	Lg	04:34:05.094	-0.9					T__						15113945	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	0.60	252.8	Pg	04:33:59.291	0.6					T__						15113946	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.60	252.8	Lg	04:34:07.172	-0.5					T__						15113947	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.65	226.9	Pg	04:34:00.175	0.6					T__						15113948	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.65	226.9	Lg	04:34:09.049	0.0					T__						15113949	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	0.77	170.4	Pn	04:34:02.746	-0.1					T__						15113950	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.77	170.4	Lg	04:34:13.298	-0.9					T__						15113951	FDSN	GE	--	BUD	iLoc	BHN	???	_
A332A	0.83	279.4	Pg	04:34:03.138	0.2					T__						15113952	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.83	279.4	Lg	04:34:14.797	-0.1					T__						15113953	FDSN	Z3	00	BUD	iLoc	HHN	???	_
NIE	0.84	27.6	Pg	04:34:02.850	0.5					T__						15113954	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.84	27.6	Lg	04:34:13.060	-1.5					T__						15113955	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.84	28.1	Pg	04:34:02.722	0.3					T__						15113956	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.84	28.1	Lg	04:34:14.022	-0.7					T__						15113957	FDSN	PL	--	BUD	iLoc	BHN	???	_
A335A	0.94	256.3	Pn	04:34:05.165	0.1					T__						15113958	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.94	256.3	Lg	04:34:17.510	-1.0					T__						15113959	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.95	209.1	Pg	04:34:06.329	0.5					T__						15113960	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.95	209.1	Sn	04:34:19.632	-0.0					T__						15113961	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ABAH	1.09	109.9	Pn	04:34:07.890	0.6					T__						15113962	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.09	109.9	Sn	04:34:22.869	-1.0					T__						15113963	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	1.18	78.3	Pg	04:34:10.430	1.8					T__						15113964	FDSN	SK	--	BUD	iLoc	HHZ	???	_
OJC	1.55	2.2	Sn	04:34:36.239	0.1					T__						15113965	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
2018/01/01	07:50:31.61	1.10	0.77	47.3463	18.1624	6.3	4.4	119	4.7F	8.1	15	11	87	0.07	1.26	m	ke BUD	15113966	iLoc			131

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

Magnitude	Err	Nsta	Author	OrigID
M	1.4	4	BUD	15113966

Sta	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	75.8	Pg	07:50:33.439	-0.1					T__						15113968	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.07	75.8	Lg	07:50:34.767	-0.3					T__						15113969	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.18	297.8	Pg	07:50:35.325	-0.3					T__						15113970	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.18	297.8	Lg	07:50:38.352	-0.3					T__						15113971	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.33	27.0	Pg	07:50:38.502	0.1					T__						15113972	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.33	27.0	Lg	07:50:43.290	-0.1					T__						15113973	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.46	247.7	Lg	07:50:48.756	0.9					T__						15113974	FDSN	HU	--	BUD	iLoc	BHN	???	_
SRO	0.48	12.3	Lg	07:50:49.575	1.2					T__						15113975	FDSN	SK	--	BUD	iLoc	EHN	???	_
TIH	0.48	202.9	Lg	07:50:47.513	-1.2					T__						15113976	FDSN	HU	--	BUD	iLoc	HHN	???	_
A336A	1.05	32.1	Sn	07:51:06.343	-1.0					T__						15113977	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A335A	1.11	6.0	Lg	07:51:08.839	-0.2					T__						15113978	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.18	163.5	Pn	07:50:54.228	0.7					T__						15113979	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.18	163.5	Sn	07:51:10.769	0.1					T__						15113980	FDSN	HU	--	BUD	iLoc	BHN	???	_

VYHS	1.23	21.3	Sn	07:51:11.170	-0.9	T__	---	15113981	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.26	182.0	Sn	07:51:12.971	0.0	T__	---	15113982	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
2018/01/01	23:20:52.40			45.9400	15.5300				4.0A		9					a	ke PRU	15101882	ISC			360
2018/01/01	23:20:51.62	0.55	0.74	46.1942	16.2775	3.7	2.0	102	1.3F	3.4	23		126	0.98	2.15	a	ke VIE	15101878	ISC			360
2018/01/01	23:20:51.45	1.01	0.88	46.1469	16.3123	2.7	2.4	103	10.7F	5.7	82	44	44	0.17	3.51	m	ke BUD	15113999	iLoc			58

Magnitude	Err	Nsta	Author	OrigID
mb	2.1		VIE	15101878
m1	2.1		VIE	15101878
M	2.5	25	BUD	15113999

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
LOB0	0.17	272.9	Pg	23:20:54.490	-1.0					T__						15114001	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.17	272.9	Lg	23:20:57.080	-1.6					T__						15114002	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.34	225.1	Pg	23:20:58.242	-0.2					T__						15114003	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.34	225.1	Lg	23:21:02.996	-0.9					T__						15114004	FDSN	CR	--	BUD	iLoc	BHN	???	_
ZAG	0.39	215.4	Pg	23:20:59.519	0.0					T__						15114005	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.39	215.4	Lg	23:21:05.697	0.1					T__						15114006	FDSN	CR	--	BUD	iLoc	BHE	???	_
BEHE	0.46	44.6	Pg	23:21:01.113	0.2					T__						15114007	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.46	44.6	Lg	23:21:08.054	0.0					T__						15114008	FDSN	HU	--	BUD	iLoc	BHN	???	_
MOSL	0.62	149.8	Pg	23:21:03.680	-0.3					T__						15114009	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.62	149.8	Lg	23:21:12.410	-0.8					T__						15114010	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	0.68	88.6	Pg	23:21:05.905	0.6					T__						15114011	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.68	88.6	Lg	23:21:15.659	0.5					T__						15114012	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A021A	0.70	331.3	Pg	23:21:04.450	-0.6					T__						15114013	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.70	331.3	Lg	23:21:17.246	2.4					T__						15114014	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A262A	0.73	11.6	Pg	23:21:06.063	-0.0					T__						15114015	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.73	11.6	Lg	23:21:16.745	0.1					T__						15114016	FDSN	Z3	00	BUD	iLoc	HHE	???	_
OZLJ	0.79	228.3	Pg	23:21:06.450	-0.4					T__						15114017	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.79	228.3	Lg	23:21:18.110	-0.1					T__						15114018	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	0.85	54.2	Pg	23:21:08.022	-0.5					T__						15114019	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.85	54.2	Lg	23:21:20.264	-0.4					T__						15114020	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A010A	0.94	350.3	Pg	23:21:09.191	-0.7					T__						15114021	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.94	350.3	Lg	23:21:23.633	0.7					T__						15114022	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A261A	0.99	35.3	Pg	23:21:10.558	-0.6					T__						15114023	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.99	35.3	Lg	23:21:24.970	-0.2					T__						15114024	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A251A	1.02	181.8	Pn	23:21:11.450	0.3					T__						15114025	FDSN	IR	--	ISC	iLoc	???	???	_
A251A	1.02	181.8	Lg	23:21:24.560	-0.8					T__						15114026	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.03	301.4	Pn	23:21:11.334	0.2					T__		4.3	0.16			15114027	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.03	301.4	Lg	23:21:23.883	-1.7					T__		3.5	0.10			15114028	FDSN	IR	--	ISC	iLoc	???	???	_
A020B	1.06	319.3	Pg	23:21:10.792	-1.2					T__						15114029	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	1.07	74.4	Pn	23:21:11.342	-0.3					T__						15114030	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	1.07	74.4	Lg	23:21:26.632	-0.9					T__						15114031	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A260A	1.17	13.3	Pg	23:21:14.185	-0.3					T__						15114032	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	1.17	13.3	Sn	23:21:29.245	-0.7					T__						15114033	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	1.24	92.1	Pn	23:21:13.753	-0.4					T__						15114034	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.24	92.1	Sn	23:21:30.123	-1.6					T__						15114035	FDSN	HU	--	BUD	iLoc	BHN	???	_
OBKA	1.27	287.2	Pg	23:21:15.311	-0.5					T__		0.9	0.16			15114036	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.27	287.2	Sn	23:21:33.907	1.2					T__		5.5	0.24			15114037	FDSN	IR	--	ISC	iLoc	???	???	_

OBKA	1.27	287.2	Pg	23:21:15.072	-0.7	T__	---	15114038	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.27	287.2	Sn	23:21:32.635	-0.0	T__	---	15114039	FDSN	OE	--	BUD	iLoc	BHE	???	_
A252A	1.29	123.0	Pn	23:21:14.960	0.1	T__	---	15114040	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	1.29	123.0	Pn	23:21:16.469	1.6	T__	---	15114041	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.29	123.0	Sn	23:21:32.968	-0.0	T__	---	15114042	FDSN	Z3	--	BUD	iLoc	BHE	???	_
A252A	1.29	123.0	Sn	23:21:33.280	0.3	T__	---	15114043	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.32	54.7	Pn	23:21:14.866	-0.3	T__	---	15114044	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	1.33	39.1	Pn	23:21:14.802	-0.4	T__	---	15114045	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.33	39.1	Sn	23:21:33.748	0.0	T__	---	15114046	FDSN	HU	--	BUD	iLoc	BHN	???	_
PLIT	1.36	201.2	Pg	23:21:17.520	-0.3	T__	---	15114047	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.36	201.2	Lg	23:21:36.320	-0.0	T__	---	15114048	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.45	28.5	Pn	23:21:17.060	0.1	T__	---	15114049	FDSN	HU	--	BUD	iLoc	HHZ	???	_
BLY	1.49	155.5	Pg	23:21:20.181	-0.1	T__	---	15114050	FDSN	MN	--	BUD	iLoc	BHZ	???	_
A009A	1.54	354.4	Pn	23:21:18.871	0.7	T__	---	15114051	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A009A	1.54	354.4	Sn	23:21:40.693	1.8	T__	---	15114052	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SOP	1.55	6.2	Pn	23:21:18.670	0.4	T__	---	15114053	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	1.55	6.2	Sn	23:21:37.727	-1.3	T__	---	15114054	FDSN	HU	--	BUD	iLoc	BHE	???	_
A019A	1.55	327.5	Pg	23:21:19.707	-1.7	T__	---	15114055	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	1.55	327.5	Sn	23:21:39.707	0.3	T__	---	15114056	FDSN	Z3	00	BUD	iLoc	HH2	???	_
RONA	1.55	359.6	Pn	23:21:18.748	0.2	T__	5.0 0.24	15114057	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.62	86.7	Pn	23:21:18.761	-0.5	T__	---	15114058	FDSN	HU	--	BUD	iLoc	BHZ	???	_
UDBI	1.66	193.6	Pn	23:21:21.400	0.7	T__	---	15114059	FDSN	IR	--	ISC	iLoc	???	???	_
UDBI	1.66	193.6	Lg	23:21:46.180	-0.5	T__	---	15114060	FDSN	IR	--	ISC	iLoc	???	???	_
A267A	1.70	61.1	Pn	23:21:21.793	1.5	T__	---	15114061	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.70	61.1	Lg	23:21:48.219	0.6	T__	---	15114062	FDSN	Z3	00	BUD	iLoc	HHE	???	_
RABC	1.76	218.2	Pn	23:21:23.020	1.3	T__	---	15114063	FDSN	IR	--	ISC	iLoc	???	???	_
RABC	1.76	218.2	Lg	23:21:47.710	-1.1	T__	---	15114064	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.81	350.4	Pn	23:21:22.991	0.9	T__	---	15114065	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.81	350.4	Pg	23:21:25.923	-0.8	T__	2.9 0.24	15114066	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.81	350.4	Lg	23:21:50.864	-0.3	T__	3.6 0.34	15114067	FDSN	IR	--	ISC	iLoc	???	???	_
A013A	2.01	342.4	Pn	23:21:25.834	1.1	T__	---	15114068	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	2.01	342.4	Sn	23:21:49.647	-1.0	T__	---	15114069	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KIJV	2.14	178.2	Pn	23:21:28.180	0.8	T__	---	15114070	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.21	321.3	Pn	23:21:29.028	1.6	T__	0.4 0.10	15114071	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.21	321.3	Sn	23:21:57.401	2.0	T__	1.1 0.14	15114072	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	2.72	167.3	Pn	23:21:36.430	0.8	T__	---	15114073	FDSN	IR	--	ISC	iLoc	???	???	_
A336A	2.78	40.3	Pn	23:21:35.677	0.3	T__	---	15114074	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VYHS	2.91	35.3	Pn	23:21:36.989	-0.4	T__	---	15114075	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KRUC	2.92	1.1	Pn	23:21:37.700	0.4	T__	---	15114076	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.92	1.1	Pn	23:21:37.069	-0.3	T__	---	15114077	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	3.00	333.8	Pn	23:21:40.200	1.8	T__	---	15114078	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	3.00	333.8	Lg	23:22:27.600	-0.2	T__	---	15114079	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.17	3.3	Pn	23:21:40.828	-0.0	T__	---	15114080	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KHC	3.51	329.2	Pn	23:21:46.300	0.8	T__	---	15114081	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.51	329.2	Sn	23:22:27.700	0.6	T__	---	15114082	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
2018/01/02	07:28:56.65	1.29	0.87	48.6755	19.7066	5.7	4.3	14	10.8F	18.6	14	7	128	0.50	1.09	m	ke BUD	15113983	iLoc			213

Magnitude	Err	Nsta	Author	OrigID
M	1.6	7	BUD	15113983

Sta	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	0.50	341.8	Pg	07:29:07.276	0.6					T__						15113985	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.50	341.8	Lg	07:29:13.555	-0.6					T__						15113986	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.55	110.1	Pg	07:29:08.029	0.3					T__						15113987	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.55	110.1	Lg	07:29:15.356	-0.7					T__						15113988	FDSN	SK	--	BUD	iLoc	EHE	???	_
VYHS	0.61	252.9	Pg	07:29:09.591	0.7					T__						15113989	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.61	252.9	Lg	07:29:17.484	-0.2					T__						15113990	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.65	227.0	Pn	07:29:10.534	-0.1					T__						15113991	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.65	227.0	Lg	07:29:19.703	0.8					T__						15113992	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	0.77	170.5	Pg	07:29:13.052	0.2					T__						15113993	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.77	170.5	Lg	07:29:23.554	-0.6					T__						15113994	FDSN	GE	--	BUD	iLoc	BHE	???	_
A335A	0.94	256.4	Pg	07:29:15.721	0.4					T__						15113995	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.94	256.4	Lg	07:29:26.383	-2.0					T__						15113996	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ABAH	1.09	109.8	Pg	07:29:18.396	0.7					T__						15113997	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	1.09	109.8	Sn	07:29:33.411	0.1					T__						15113998	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
2018/01/03	02:28:49.69	1.33	0.48	47.9663	20.4967	7.2	4.4	151	3.9F	10.7	13	9	110	0.41	1.45	m	ke BUD	15114083	iLoc			181

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15114083

Sta	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	263.5	Pg	02:28:58.548	0.0					T__						15114085	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.41	263.5	Lg	02:29:04.509	-0.6					T__						15114086	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.52	359.2	Pg	02:29:00.287	0.3					T__						15114087	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.52	359.2	Lg	02:29:08.009	0.2					T__						15114088	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.60	56.2	Pg	02:29:01.567	0.1					T__						15114089	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.60	56.2	Lg	02:29:10.313	-0.9					T__						15114090	FDSN	HU	--	BUD	iLoc	HHN	???	_
BSZH	0.68	193.2	Pg	02:29:04.765	0.5					T__						15114091	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A270A	1.00	263.6	Pn	02:29:09.360	-0.0					T__						15114092	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	1.00	263.6	Sn	02:29:25.003	0.3					T__						15114093	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	1.04	285.5	Sn	02:29:25.101	-0.5					T__						15114094	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.23	296.1	Sn	02:29:30.946	0.3					T__						15114095	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	1.38	82.4	Sn	02:29:34.793	-0.2					T__						15114096	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MASL	1.45	43.1	Lg	02:29:39.520	0.2					T__						15114097	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
2018/01/03	09:47:51.04	1.02	1.01	48.5334	20.8171	6.1	3.9	166	0.0S		14	8	95	0.23	1.25	m	kx BUD	15114098	iLoc			151

(locality : Dvorniky-Vcelare Slovakia)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15114098

Sta	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	257.3	Pg	09:47:55.100	-0.7					T__		1.8				15114100	FDSN	IR	--	ISC	iLoc	???	???	_

KECS	0.23	257.3	Lg	09:47:59.259	-0.1	T__	---	15114101	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.37	130.0	Pg	09:47:59.481	0.8	T__	---	15114102	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.37	130.0	Lg	09:48:05.937	0.9	T__	---	15114103	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.56	48.9	Pg	09:48:02.048	0.2	T__	---	15114104	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	48.9	Lg	09:48:09.858	-1.4	T__	---	15114105	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.87	225.4	Pn	09:48:09.714	-0.2	T__	---	15114106	FDSN	GE	--	BUD	iLoc	BHZ	???	_
MASL	0.92	58.0	Pn	09:48:10.731	0.1	T__	---	15114107	FDSN	SK	--	BUD	iLoc	EZH	???	_
MASL	0.92	58.0	Lg	09:48:23.484	0.5	T__	---	15114108	FDSN	SK	--	BUD	iLoc	EHN	???	_
NIE	0.95	339.7	Pn	09:48:11.095	0.1	T__	---	15114109	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.95	339.7	Lg	09:48:23.935	1.4	T__	---	15114110	FDSN	PL	--	BUD	iLoc	BHE	???	_
TRPA	1.22	108.7	Sn	09:48:31.867	-1.8	T__	---	15114111	FDSN	HU	--	BUD	iLoc	BHN	???	_
A336A	1.25	256.8	Pg	09:48:17.307	1.3	T__	---	15114112	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.25	256.8	Lg	09:48:34.230	-0.1	T__	---	15114113	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
2018/01/04	10:27:53.40		0.50	46.1160	16.5100				0.0A							a	sx	LJU	15101960	ISC		360
2018/01/04	10:27:53.61	0.70	1.63	46.1947	16.5037	4.5	3.4	142	0.0F	0.0	16		17	1.12	1.79	a	sx	VIE	15101963	ISC		360
2018/01/04	10:27:53.55	1.08	0.72	46.1126	16.5017	3.2	2.8	8	7.4F	7.3	48	26	71	0.30	1.87	m	sx	BUD	15114114	iLoc		80

(description : suspected quarry blast)
(locality : Ljubelj-Kalnicky Croatia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		LJU	15101960
mb	1.6		VIE	15101963
m1	1.8		VIE	15101963
M	2.3	13	BUD	15114114

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
LOBO	0.30	278.2	Pg	10:27:59.550	-0.3					T__						15114116	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.30	278.2	Lg	10:28:04.210	-0.5					T__						15114117	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.38	332.6	Lg	10:28:06.480	-0.5					T__						15114118	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.38	332.6	IAML	10:28:07.990	-99.0					---		19.6	0.07			15114119	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.38	332.6	Pg	10:28:01.320	0.1					T__						15114120	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.38	332.6	Lg	10:28:06.337	-0.6					T__						15114121	FDSN	SL	--	BUD	iLoc	BHN	???	_
BEHE	0.41	27.9	Pg	10:28:02.240	0.3					T__						15114122	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.41	27.9	Lg	10:28:08.577	0.3					T__						15114123	FDSN	HU	--	BUD	iLoc	BHE	???	_
PTJ	0.42	241.3	Pg	10:28:02.465	0.4					T__						15114124	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.42	241.3	Lg	10:28:08.281	-0.3					T__						15114125	FDSN	CR	--	BUD	iLoc	BHN	???	_
ZAG	0.46	231.7	Lg	10:28:10.098	0.3					T__						15114126	FDSN	CR	--	BUD	iLoc	BHN	???	_
MOSL	0.53	160.4	Pg	10:28:04.450	0.1					T__						15114127	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.53	160.4	Lg	10:28:11.870	-0.5					T__						15114128	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.62	260.8	Pg	10:28:05.800	-0.0					T__						15114129	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.62	260.8	IAML	10:28:20.930	-99.0					---		35.0	0.36			15114130	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.72	273.3	Pg	10:28:07.620	0.1					T__						15114131	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.75	1.4	Pn	10:28:09.533	-0.3					T__						15114132	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.75	1.4	Sn	10:28:21.626	-0.9					T__						15114133	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A263A	0.77	46.5	Pg	10:28:09.041	-0.0					T__						15114134	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.77	46.5	Lg	10:28:21.063	0.5					T__						15114135	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CRES	0.78	248.9	Pg	10:28:09.022	0.2					T__						15114136	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.78	248.9	Lg	10:28:19.982	-0.6					T__						15114137	FDSN	SL	--	BUD	iLoc	BHE	???	_
A021A	0.80	324.3	Pn	10:28:10.307	0.1					T__						15114138	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A021A	0.80	324.3	Lg	10:28:21.699	1.6	T__	---	15114139	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A265A	0.95	70.4	Pn	10:28:13.923	1.4	T__	---	15114140	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A265A	0.95	70.4	Lg	10:28:27.042	0.8	T__	---	15114141	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A261A	0.95	27.8	Pn	10:28:13.019	0.4	T__	---	15114142	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A010A	1.00	343.3	Pn	10:28:13.962	0.8	T__	---	15114143	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A010A	1.00	343.3	Sn	10:28:29.130	0.7	T__	---	15114144	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
KOVH	1.11	90.7	Pn	10:28:14.148	-0.6	T__	---	15114145	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
KOVH	1.11	90.7	Sn	10:28:29.600	-1.7	T__	0.1	---	15114146	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.11	90.7	Sn	10:28:30.817	-0.4	T__	---	15114147	FDSN	HU	--	BUD	iLoc	BHE	???	_	
A252A	1.16	125.2	Pn	10:28:15.612	0.0	T__	---	15114148	FDSN	Z3	--	BUD	iLoc	BHZ	???	_	
A252A	1.16	125.2	Lg	10:28:31.570	-1.2	T__	---	15114149	FDSN	IR	--	ISC	iLoc	???	???	_	
A252A	1.16	125.2	Lg	10:28:32.015	-0.8	T__	---	15114150	FDSN	Z3	--	BUD	iLoc	BHN	???	_	
SOKA	1.16	299.6	Pn	10:28:15.633	0.1	T__	0.4 0.08	---	15114151	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.16	299.6	Lg	10:28:31.150	-1.0	T__	1.0 0.10	---	15114152	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.28	33.7	Pg	10:28:18.471	-0.3	T__	---	15114153	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
A266A	1.29	70.7	Pg	10:28:19.811	0.7	T__	---	15114154	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
BLY	1.41	159.9	Pg	10:28:22.267	1.3	T__	---	15114155	FDSN	MN	--	BUD	iLoc	BHZ	???	_	
BLY	1.41	159.9	Lg	10:28:41.490	1.4	T__	---	15114156	FDSN	MN	--	BUD	iLoc	BHN	???	_	
OBKA	1.41	287.0	Sn	10:28:38.700	-0.1	T__	---	15114157	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.41	287.0	Sn	10:28:38.722	-0.1	T__	3.0 0.30	---	15114158	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.41	287.0	Lg	10:28:40.656	0.7	T__	---	15114159	FDSN	OE	--	BUD	iLoc	BHN	???	_	
EGYH	1.42	23.3	Pg	10:28:21.768	0.2	T__	---	15114160	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
MORH	1.49	85.3	Pg	10:28:22.621	-0.3	T__	---	15114161	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MORH	1.49	85.3	Lg	10:28:42.951	-0.6	T__	---	15114162	FDSN	HU	--	BUD	iLoc	BHN	???	_	
RONA	1.59	355.0	Pn	10:28:21.927	0.3	T__	1.7 0.16	---	15114163	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.87	346.7	Pn	10:28:25.640	0.2	T__	1.1 0.26	---	15114164	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.87	346.7	Sn	10:28:49.196	-1.0	T__	0.7 0.32	---	15114165	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
2018/01/04 10:38:03.08 1.55 0.39 48.6185 20.7108 11.3 7.7 4 0.0S 8 5 188 0.20 1.25 m kx BUD 15114166 iLoc 274
(description : known quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
M 1.6 5 BUD 15114166

Sta	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	227.9	Pg	10:38:07.450	0.1					T__						15114168	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	227.9	Lg	10:38:11.107	0.5					T__						15114169	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.48	132.3	Pg	10:38:12.890	0.1					T__						15114170	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.89	218.2	Pg	10:38:21.806	0.1					T__						15114171	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	218.2	Lg	10:38:34.893	-0.6					T__						15114172	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.98	303.4	Pn	10:38:23.228	-0.1					T__						15114173	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.25	265.0	Pg	10:38:28.107	0.1					T__						15114174	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.25	265.0	Sn	10:38:45.972	0.0					T__						15114175	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
2018/01/04 19:32:37.40 0.30 46.0330 16.0730 8.2A a ke LJU 15102015 ISC 360

2018/01/04 19:32:37.84	0.59	0.91	46.0696	16.0033	4.3	2.3	111	15.0F	0.0	16		16	0.90	1.64	a	ke	VIE	15102012	ISC	360
2018/01/04 19:32:37.45	1.02	1.02	46.0397	16.0801	3.2	2.7	113	5.4F	7.3	46	23	49	0.12	1.84	m	ke	BUD	15114176	iLoc	65

Magnitude	Err	Nsta	Author	OrigID
ML	1.3		LJU	15102015
m1	1.5		VIE	15102012
M	2.0	7	BUD	15114176

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
LOBO	0.12	356.0	Pg	19:32:39.960	-0.2					T__						15114178	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.12	356.0	Lg	19:32:42.020	-0.3					T__						15114179	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.15	210.6	Pg	19:32:40.799	-0.0					T__						15114180	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.15	210.6	Lg	19:32:42.435	-1.0					T__						15114181	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.15	210.5	Pg	19:32:40.610	-0.5					T__						15114182	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.15	210.5	Lg	19:32:43.120	-1.0					T__						15114183	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.22	197.0	Lg	19:32:45.760	0.1					T__						15114184	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.22	197.0	Pg	19:32:42.418	0.3					T__						15114185	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.22	197.0	Lg	19:32:45.153	-0.5					T__						15114186	FDSN	CR	--	BUD	iLoc	BHN	???	_
KALN	0.28	70.6	Pg	19:32:43.210	-0.3					T__						15114187	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.28	70.6	Lg	19:32:47.100	-1.0					T__						15114188	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.32	265.0	Pg	19:32:43.850	-0.1					T__						15114189	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.32	265.0	IAML	19:32:49.880	-99.0							11.6	0.13			15114190	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.36	241.5	Pg	19:32:44.560	-0.1					T__						15114191	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.36	241.5	Lg	19:32:49.480	-0.7					T__						15114192	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.36	241.5	IAML	19:32:51.390	-99.0							6.1	0.08			15114193	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	16.1	Pg	19:32:46.250	0.2					T__						15114194	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	16.1	Lg	19:32:52.530	0.2					T__						15114195	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	16.1	IAML	19:32:53.360	-99.0							10.8	0.07			15114196	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.43	16.1	Pg	19:32:46.114	0.1					T__						15114197	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.43	16.1	Lg	19:32:52.666	0.3					T__						15114198	FDSN	SL	--	BUD	iLoc	BHE	???	_
CESS	0.44	261.5	Pg	19:32:46.160	0.1					T__						15114199	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.44	261.5	Lg	19:32:52.520	-0.2					T__						15114200	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.44	261.5	IAML	19:32:54.260	-99.0							17.6	0.19			15114201	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.44	284.7	Pg	19:32:46.170	0.1					T__						15114202	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.44	284.7	IAML	19:32:53.640	-99.0							7.0	0.09			15114203	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.48	244.1	Pg	19:32:46.815	-0.2					T__						15114204	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.48	244.1	Lg	19:32:53.272	-1.2					T__						15114205	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.48	244.1	IAML	19:32:55.500	-99.0							9.3	0.13			15114206	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.54	260.6	Pg	19:32:47.880	-0.1					T__						15114207	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.60	225.5	Pg	19:32:48.930	-0.2					T__						15114208	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.60	225.5	Lg	19:32:57.220	-1.0					T__						15114209	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.64	131.9	Pg	19:32:49.890	-0.4					T__						15114210	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.64	131.9	Lg	19:32:58.230	-1.6					T__						15114211	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.65	48.0	Pg	19:32:49.290	-1.3					T__						15114212	FDSN	HU	--	BUD	iLoc	BHZ	???	_
AO21A	0.74	346.3	Pg	19:32:52.169	0.4					T__						15114213	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO21A	0.74	346.3	Lg	19:33:02.441	0.3					T__						15114214	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PDKS	0.75	272.0	Pg	19:32:51.820	-0.2					T__						15114215	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.97	311.7	Pg	19:32:54.606	-1.4					T__		0.1	0.06			15114216	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.97	311.7	Lg	19:33:07.471	-2.2					T__		0.7	0.14			15114217	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.16	294.4	Pg	19:32:59.127	-0.5					T__		0.2	0.16			15114218	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.16	294.4	Lg	19:33:14.056	-2.1					T__		1.0	0.24			15114219	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.16	294.4	Pn	19:33:01.183	1.5					T__						15114220	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.16	294.4	Lg	19:33:14.824	-1.3					T__						15114221	FDSN	OE	--	BUD	iLoc	BHN	???	_

A252A	1.38	115.4	Pn	19:33:04.020	1.2	T__								15114222	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	1.38	115.4	Sn	19:33:21.260	-1.1	T__								15114223	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	1.38	115.4	Sn	19:33:22.229	-0.1	T__								15114224	FDSN	Z3	--	BUD	iLoc	BHE	???	_
KOVH	1.41	87.3	Sn	19:33:23.653	0.9	T__								15114225	FDSN	HU	--	BUD	iLoc	BHE	???	_
BLY	1.47	147.8	Sn	19:33:25.384	0.9	T__								15114226	FDSN	MN	--	BUD	iLoc	BHE	???	_
RONA	1.67	5.0	Pn	19:33:07.504	0.8	T__				0.3	0.14			15114227	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.67	5.0	Sn	19:33:26.652	-2.8	T__				0.5	0.18			15114228	FDSN	IR	--	ISC	iLoc	???	???	_
A018A	1.84	338.4	Sn	19:33:35.561	2.1	T__								15114229	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
2018/01/05	00:27:06.98	1.79	0.58	47.0267	17.0255	4.5	4.2	166	0.2F	2.8	20	10	65	0.11	0.87	m	ke BUD	15114230	iLoc			129

Magnitude	Err	Nsta	Author	OrigID
M	1.7	7	BUD	15114230

Sta	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	0.11	131.5	Pg	00:27:09.434	-0.4					T__						15114232	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.11	131.5	Lg	00:27:12.082	-0.1					T__						15114233	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A260A	0.34	319.8	Pg	00:27:13.820	-0.3					T__						15114234	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	0.34	319.8	Lg	00:27:19.764	0.3					T__						15114235	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A262A	0.38	244.7	Pg	00:27:14.589	-0.2					T__						15114236	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.38	244.7	Lg	00:27:20.343	-0.3					T__						15114237	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.38	67.6	Pg	00:27:14.833	-0.2					T__						15114238	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.38	67.6	Lg	00:27:21.066	-0.0					T__						15114239	FDSN	HU	--	BUD	iLoc	BHE	???	_
MPLH	0.38	67.6	Lg	00:27:21.700	0.5					T__		0.1				15114240	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.44	28.1	Pg	00:27:15.942	-0.4					T__						15114241	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.44	28.1	Lg	00:27:23.448	0.2					T__						15114242	FDSN	HU	--	BUD	iLoc	HHE	???	_
EGYH	0.44	28.0	Lg	00:27:24.500	1.1					T__		0.2				15114243	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.58	197.2	Pg	00:27:19.778	0.7					T__						15114244	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TIH	0.61	101.7	Lg	00:27:21.600	-7.1					T__						15114245	FDSN	IR	--	ISC	iLoc	???	???	_
A010A	0.65	274.5	Pg	00:27:20.811	1.1					T__						15114246	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.65	274.5	Lg	00:27:28.117	-0.9					T__						15114247	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOP	0.73	334.4	Lg	00:27:31.996	-0.6					T__						15114248	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	0.79	222.9	Pg	00:27:22.036	-0.6					T__						15114249	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.79	222.9	Lg	00:27:34.280	0.2					T__						15114250	FDSN	SL	--	BUD	iLoc	BHN	???	_
A021A	0.87	252.3	Pg	00:27:23.772	0.0					T__						15114251	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.87	252.3	Lg	00:27:35.854	0.0					T__						15114252	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	1.20	141.3	Sn	00:27:32.300	-16.0					T__						15114253	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
2018/01/05	14:10:06.61	1.49	1.37	47.1513	18.0275	8.7	5.5	116	3.3F	22.4	10	7	100	0.26	7.74	m	ke BUD	15114254	iLoc			173

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15114254

Sta	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	0.26	36.7	Pg	14:10:12.314	0.1					T__						15114256	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.27	200.9	Pg	14:10:12.002	-0.2					T__						15114257	FDSN	HU	--	BUD	iLoc	HHZ	???	_

MPLH	0.33	273.4	Pg	14:10:14.911	1.4	T__	---	15114258	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A338A	0.89	14.2	Pg	14:10:24.578	0.2	T__	---	15114259	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.89	14.2	Lg	14:10:35.990	-1.3	T__	---	15114260	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.03	155.4	Pn	14:10:26.180	-0.4	T__	---	15114261	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.03	155.4	Lg	14:10:41.275	-0.6	T__	---	15114262	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.06	177.3	Pn	14:10:27.288	-0.0	T__	---	15114263	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.06	177.3	Lg	14:10:41.795	-1.5	T__	---	15114264	FDSN	HU	--	BUD	iLoc	BHE	???	_
TIRR	7.74	106.6	Pg	14:12:37.625	2.1	T__	---	15114265	FDSN	IR	--	ISC	iLoc	???	???	_
TIRR	7.74	106.6	Sn	14:12:40.206	-49.7	T__	---	15114266	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
2018/01/07	22:58:31.32	1.44	1.16	46.2360	18.3709	7.4	5.6	174	5.0A	6	3	135	0.19	1.10	m	ke	BUD	15114267	iLoc			263

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	1.0	3 BUD	15114267

Sta	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	0.19	96.0	Pg	22:58:35.469	-0.0					T__	1.6	2.3		---	MLv	0.2	15114269	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.19	96.0	Lg	22:58:38.807	0.1					T__				---		15114270	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 0.2 1																									
KOVH	0.24	232.0	Pg	22:58:37.544	1.1					T__	1.8	7.8		---	MLv	0.9	15114271	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.24	232.0	Lg	22:58:38.760	-1.7					T__				---		15114272	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 0.9 1																									
MPLH	1.10	328.8	Pg	22:58:53.009	0.0					T__	1.5	7.6		---	MLv	2.0	15114273	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	1.10	328.8	Lg	22:59:08.757	0.1					T__				---		15114274	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	
2018/01/08	07:41:11.38	1.59	0.56	47.1270	17.6705	8.7	7.4	26	5.0A	5	3	149	0.10	0.35	m	ke	BUD	15114288	iLoc				266

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 BUD	15114288

Sta	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	0.10	295.8	Pg	07:41:13.796	-0.0					T__	9.1	144.3		---	MLv	1.7	15114290	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MPLH	0.10	295.8	Lg	07:41:15.659	-0.0					T__				---		15114291	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.7 1																									
TIH	0.27	146.7	Pg	07:41:16.983	-0.1					T__	1.6	22.3		---	MLv	1.4	15114292	FDSN	HU	--	BUD	iLoc	HHE	HHZ	_
(Station ML : 1.4 1																									
A268A	0.35	29.4	Pg	07:41:18.176	-0.4					T__	1.7	9.7		---	MLv	1.3	15114293	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.35	29.4	Lg	07:41:24.626	0.7					T__				---		15114294	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		
2018/01/08	09:24:12.02	1.18	1.09	48.5601	20.7519	10.6	4.9	168	0.0A	8	5	152	0.19	1.28	m	sx	BUD	15114308	iLoc					221

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

Magnitude Err Nsta Author OrigID
MLv 1.8 0.2 2 BUD 15114308

Sta	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	246.6	Pg	09:24:16.196	0.1				T__		28.8	109.8		---	MLv	1.9	15114310	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.19	246.6	Lg	09:24:20.273	1.0				T__					---		15114311	FDSN	SK	--	BUD	iLoc	EHE	???	_	
ABAH	0.42	128.9	Pg	09:24:21.524	0.9				T__		1.8	14.5		---	MLv	1.6	15114312	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.42	128.9	Lg	09:24:26.471	-1.3				T__					---		15114313	FDSN	HU	--	BUD	iLoc	HNN	???	_	
PSZ	0.86	222.1	Lg	09:24:43.742	0.2				T__					---		15114314	FDSN	GE	--	BUD	iLoc	BHN	???	_	
MASL	0.94	60.7	Pn	09:24:31.991	0.1				T__					---		15114315	FDSN	SK	--	BUD	iLoc	EHZ	???	_	
MASL	0.94	60.7	Lg	09:24:44.858	0.1				T__					---		15114316	FDSN	SK	--	BUD	iLoc	EHN	???	_	
VYHS	1.28	267.7	Sn	09:24:53.987	-1.5				T__					---		15114317	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
2018/01/09	00:53:22.38	1.40	0.63	45.7743	18.8735	21.3	6.3	48	2.5A		5	3	167	0.47	0.93	m	ke BUD	15114326	iLoc			320

Magnitude Err Nsta Author OrigID
M 1.5 2 BUD 15114326

Sta	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	0.47	340.2	Pg	00:53:32.278	0.4				T__					---		15114328	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.47	340.2	Lg	00:53:38.476	-0.6				T__					---		15114329	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.62	300.5	Lg	00:53:44.257	-0.3				T__					---		15114330	FDSN	HU	--	BUD	iLoc	BHN	???	_
FRGS	0.93	133.0	Pn	00:53:41.297	0.1				T__					---		15114331	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
FRGS	0.93	133.0	Lg	00:53:53.830	-0.4				T__					---		15114332	FDSN	SJ	--	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
2018/01/09	10:15:20.51	1.02	0.98	48.5203	20.8256	6.5	3.8	165	0.0S		15	10	97	0.23	2.48	m	kx BUD	15114333	iLoc			160
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude Err Nsta Author OrigID
M 2.0 6 BUD 15114333

Sta	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	260.8	Pg	10:15:24.996	-0.3				T__					---		15114335	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	260.8	Lg	10:15:27.974	-1.0				T__					---		15114336	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	260.8	Lg	10:15:29.000	0.0				T__			1.0		---		15114337	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.36	129.0	Pg	10:15:28.044	0.2				T__					---		15114338	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.36	129.0	Lg	10:15:33.900	-0.2				T__					---		15114339	FDSN	HU	--	BUD	iLoc	HNN	???	_
PSZ	0.87	226.3	Pn	10:15:39.261	-0.0				T__					---		15114340	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	226.3	Lg	10:15:51.435	-0.8				T__					---		15114341	FDSN	GE	--	BUD	iLoc	BHN	???	_
MASL	0.92	57.1	Pn	10:15:39.379	-0.7				T__					---		15114342	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.92	57.1	Lg	10:15:54.005	1.5				T__					---		15114343	FDSN	SK	--	BUD	iLoc	EHE	???	_
STHS	0.94	16.9	Pg	10:15:37.563	-0.3				T__					---		15114344	FDSN	SK	--	BUD	iLoc	EHZ	???	_
NIE	0.96	339.6	Pn	10:15:40.181	-0.4				T__					---		15114345	FDSN	PL	--	BUD	iLoc	BHZ	???	_
KOLS	1.04	66.1	Lg	10:15:56.511	-0.7				T__					---		15114346	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.25	257.4	Lg	10:16:03.562	-0.4				T__					---		15114347	FDSN	Z3	00	BUD	iLoc	HH2	???	_

VYHS	1.32	269.6	Sn	10:16:05.106	-0.1	T__								15114348	FDSN	SK	--	BUD	iLoc	HHN	???	_
A333A	2.48	275.9	Pn	10:16:04.091	2.5	T__								15114349	FDSN	Z3	00	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
2018/01/09	11:01:22.53	0.17	0.15	48.1444	16.9172	2.0	1.1	147	0.0F	0.0	8	7	0.61	0.74	a	kx	VIE	15102117	ISC			360
2018/01/09	11:01:21.21	1.26	0.65	48.1299	16.9539	8.9	4.3	138	0.0S		12	5	169	0.12	1.00	m	kx	BUD	15114350	iLoc		198

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.6		VIE	15102117
ml	1.3		VIE	15102117
MLv	2.2	0.2	2 BUD	15114350

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZST	0.12	56.3	Pg	11:01:24.917	0.7				T__		3.7	316.4			MLv	2.1	15114352	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
ZST	0.12	56.3	Lg	11:01:26.537	-0.1				T__								15114353	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.33	41.5	Pg	11:01:28.656	0.4				T__								15114354	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.33	41.5	Lg	11:01:33.157	-0.4				T__								15114355	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.62	226.0	Pg	11:01:34.239	0.6				T__			1.4	0.10			15114356	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	0.62	226.0	Lg	11:01:42.649	-0.2				T__			2.0	0.14			15114357	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	0.76	255.0	Pg	11:01:36.982	0.6				T__			0.8	0.16			15114358	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	0.76	255.0	Lg	11:01:47.323	-0.4				T__			1.0	0.24			15114359	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	1.00	338.5	Pg	11:01:41.100	0.8				T__							15114360	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	1.00	338.5	Lg	11:01:54.800	0.2				T__							15114361	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	1.00	338.5	Pn	11:01:41.518	-0.1				T__		1.4	8.6			MLv	2.0	15114362	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	1.00	338.5	Sn	11:01:56.242	-1.2				T__							15114363	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
VOIR	6.18	112.9	Pn	11:03:02.502	7.5											15114364	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	6.18	112.9	Sn	11:03:20.326	-45.9											15114365	FDSN	IR	--	ISC	iLoc	???	???	_	
MLR	6.71	109.8	Pn	11:02:56.897	-5.9											15114366	FDSN	IR	--	ISC	iLoc	???	???	_	
MLR	6.71	109.8	x	11:03:11.826	-99.0											15114367	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	
2018/01/09	21:42:36.69	1.70	1.60	46.0836	21.5876	19.3	5.5	91	0.0A		6	3	200	0.19	1.08	m	ke	BUD	15114380	iLoc			313

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.5	3 BUD	15114380

Sta	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	16.1	Pg	21:42:40.673	-0.5				T__		1.8	4.4			MLv	0.5	15114382	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.19	16.1	Lg	21:42:43.741	-1.0				T__								15114383	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 0.5 1																									
BZS	0.47	175.5	Pg	21:42:45.570	-0.5				T__		2.1	5.5			MLv	1.3	15114384	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.47	175.5	Lg	21:42:51.879	-1.1				T__								15114385	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.3 1																									
GZR	1.08	129.2	Pn	21:42:59.883	1.8				T__		0.9	3.5			MLv	1.6	15114386	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.08	129.2	Lg	21:43:11.458	-1.4				T__								15114387	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
2018/01/09	22:15:51.68	0.29	0.41	46.0807	21.6671	2.7	1.3	81	5.0A	12	176	0.18	1.60	a	ke	BUC	15102145	ISC				360
2018/01/09	22:15:51.23	1.23	0.87	46.0905	21.6630	6.3	3.6	72	3.3F	10.0	23	9	123	0.17	2.73	m	ke	BUD	15114401	iLoc		178

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15102145
M	2.0	4	BUD	15114401

Sta	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	0.0	Pg	22:15:54.917	-0.2					T__						15114403	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.17	0.0	Lg	22:15:58.331	0.1					T__						15114404	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.18	359.3	Pg	22:15:55.487	0.3					T__						15114405	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.18	359.3	Pg	22:15:55.487	0.3					T__		0.2				15114406	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.47	136.1	Pg	22:16:00.818	0.4					T__						15114407	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.47	136.1	Pg	22:16:00.818	0.4					T__						15114408	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.47	136.1	Lg	22:16:07.308	0.2					T__						15114409	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.47	181.9	Pg	22:16:00.012	-0.6					T__						15114410	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.47	181.9	Lg	22:16:06.453	-1.1					T__						15114411	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.48	183.9	Pg	22:16:00.335	-0.3					T__						15114412	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.48	183.9	Pg	22:16:00.335	-0.3					T__						15114413	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.88	102.9	Lg	22:16:20.211	-0.9					T__						15114414	FDSN	RO	--	BUD	iLoc	BHE	???	_
BORR	1.00	4.8	Sn	22:16:25.261	-1.4					T__						15114415	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.00	4.8	Sn	22:16:25.261	-1.4					T__						15114416	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.05	131.4	Pn	22:16:12.129	0.5					T__						15114417	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.05	131.4	Lg	22:16:26.053	-0.2					T__						15114418	FDSN	RO	--	BUD	iLoc	BHN	???	_
MARR	1.17	59.3	Pn	22:16:14.096	0.3					T__						15114420	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.17	59.3	Pn	22:16:14.096	0.3					T__						15114419	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.17	59.3	Sn	22:16:29.539	-2.0					T__						15114421	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.61	112.8	Sn	22:16:43.229	0.9					T__						15114422	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.61	112.8	Sn	22:16:43.229	0.9					T__						15114423	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	2.73	305.7	Pn	22:16:36.050	0.8					T__						15114424	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	2.73	305.7	Sn	22:17:09.392	0.8					T__						15114425	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	
2018/01/10	08:11:29.89	1.26	0.70	48.0555	20.6911	9.6	5.5	149	3.0A	7	4	144	0.44	0.81	m	ke	BUD	15114426	iLoc				218

Magnitude	Err	Nsta	Author	OrigID	
ML	1.7	0.3	4	BUD	15114426

Sta	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	0.44	56.5	Pg	08:11:38.787	0.2					T__	2.2	7.6				15114428	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_	
ABAH	0.44	56.5	Lg	08:11:45.067	-0.8					T__						15114429	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1																									
KECS	0.45	342.3	Pg	08:11:39.327	0.5					T__	5.0	20.6				15114430	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.45	342.3	Lg	08:11:45.135	-0.5					T__						15114431	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.9 1																									
PSZ	0.55	255.9	Pg	08:11:41.762	0.1					T__	1.4	6.1				15114432	FDSN	GE	--	BUD	iLoc	BHE	BHZ	_	
PSZ	0.55	255.9	Lg	08:11:49.598	-0.8					T__						15114433	FDSN	GE	--	BUD	iLoc	BHN	???	_	

(Station ML : 1.6 1
 BSZH 0.81 200.9 Pn 08:11:47.463 0.4 T__ 1.7 17.5 ___ MLv 2.2 15114434 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
 2018/01/10 09:35:21.23 1.09 0.73 48.5540 20.7901 7.4 3.8 160 0.0S 13 8 93 0.21 1.24 m kx BUD 15114452 iLoc 156
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.5 5 BUD 15114452

Sta	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	250.8	Pg	09:35:25.283	-0.4					T__						15114454	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	250.8	Lg	09:35:28.394	-0.8					T__						15114455	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	250.8	Lg	09:35:29.400	0.2					T__		1.8				15114456	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.40	130.6	Pg	09:35:29.886	0.5					T__						15114457	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	130.6	Lg	09:35:35.614	-0.6					T__						15114458	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.56	51.7	Pg	09:35:32.183	0.1					T__						15114459	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	223.6	Pn	09:35:40.162	0.1					T__						15114460	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	223.6	Lg	09:35:53.402	0.2					T__						15114461	FDSN	GE	--	BUD	iLoc	BHN	???	_
MASL	0.92	59.7	Pn	09:35:40.888	0.1					T__						15114462	FDSN	SK	--	BUD	iLoc	EZH	???	_
MASL	0.92	59.7	Lg	09:35:53.925	0.6					T__						15114463	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	0.92	340.2	Pn	09:35:41.269	0.5					T__						15114464	FDSN	PL	--	BUD	iLoc	BHZ	???	_
KOLS	1.05	68.3	Lg	09:35:56.469	-1.8					T__						15114465	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.24	255.6	Lg	09:36:04.228	0.1					T__						15114466	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
 2018/01/11 10:28:45.14 3.06 0.89 47.3116 18.3724 29.6 12.3 163 0.0A 5 4 257 0.09 2.27 m se BUD 15114467 iLoc 337

Magnitude Err Nsta Author OrigID
 ML 2.2 0.2 5 BUD 15114467

Sta	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	304.3	Pg	10:28:47.648	0.0					T__	3.9	112.1		___	MLv	1.6	15114469	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.09	304.3	Lg	10:28:49.656	-0.1					T__				___		15114470	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.6 0)																										
A337A	1.01	337.4	Pn	10:29:02.608	-3.0					___	2.3	39.7		___	MLv	2.7	15114471	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
A337A	1.01	337.4	Lg	10:29:13.589	-6.8					___				___		15114472	FDSN	Z3	00	BUD	iLoc	HHE	???	_		
(Station ML : 2.7 1)																										
A336A	1.01	24.4	Pn	10:29:05.542	0.0					T__	2.7	10.1		___	MLv	2.1	15114473	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 2.1 1)																										
A009A	1.59	284.1	Pn	10:29:14.601	0.9					T__	2.0	6.9		___	MLv	2.2	15114474	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 2.2 1)																										
A018A	2.27	282.2	Pn	10:29:22.351	-0.9					T__	1.7	8.2		___	MLv	2.7	15114475	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

2018/01/11 10:30:23.54 1.11 0.74 48.5430 20.7471 11.9 4.2 149 0.0S 12 7 162 0.18 6.02 m kx BUD 15114497 iLoc 170
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.4 5 BUD 15114497

Sta	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	251.1	Pg	10:30:27.561	0.1					T__						15114499	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.18	251.1	Lg	10:30:30.374	-0.1					T__						15114500	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.18	251.1	Lg	10:30:31.400	0.9					T__		1.0				15114501	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.59	52.5	Pg	10:30:34.756	-0.2					T__						15114502	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.85	222.7	Pn	10:30:42.567	0.6					T__						15114503	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.85	222.7	Lg	10:30:55.146	0.6					T__						15114504	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.92	342.1	Pn	10:30:44.008	0.9					T__						15114505	FDSN	PL	--	BUD	iLoc	BHZ	???	_
MASL	0.95	59.9	Pn	10:30:43.495	-0.1					T__						15114506	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.95	59.9	Lg	10:30:57.032	0.4					T__						15114507	FDSN	SK	--	BUD	iLoc	EHE	???	_
VVHS	1.27	268.5	Pg	10:30:48.232	-0.6					T__						15114508	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VVHS	1.27	268.5	Sn	10:31:05.508	-1.4					T__						15114509	FDSN	SK	--	BUD	iLoc	HHN	???	_
DUGI	6.02	223.0	Lg	10:33:41.280	-0.2					T__						15114510	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
2018/01/11	11:01:28.41	0.22	0.80	48.1437	16.9083	3.4	1.2	140	0.0F	0.0	12		7	0.60	1.29	a	sx VIE	15102185	ISC			360
2018/01/11	11:01:27.44	0.91	1.45	48.1731	16.9175	4.6	3.2	128	0.0A		28	14	87	0.31	1.43	m	sx BUD	15114511	iLoc			98

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

Magnitude Err Nsta Author OrigID
 mb 1.3 VIE 15102185
 ml 1.6 VIE 15102185
 M 1.8 7 BUD 15114511

Sta	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	50.1	Pg	11:01:34.458	0.2					T__						15114513	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.31	50.1	Lg	11:01:39.077	-0.3					T__						15114514	FDSN	SK	--	BUD	iLoc	HHN	???	_
A333A	0.56	12.8	Pg	11:01:39.364	0.7					T__						15114515	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	0.56	12.8	Lg	11:01:42.022	-4.9					T__						15114516	FDSN	Z3	00	BUD	iLoc	HH3	???	_
RONA	0.63	221.6	Pg	11:01:39.812	-0.4					T__		0.9	0.18			15114517	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.63	221.6	Lg	11:01:48.165	-1.4					T__		5.8	0.26			15114518	FDSN	IR	--	ISC	iLoc	???	???	_
AO09A	0.75	228.6	Lg	11:01:53.117	-0.0					T__						15114519	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CONA	0.75	251.3	Lg	11:01:53.139	-0.4					T__						15114520	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.75	251.3	x	11:01:44.341	-99.0					---		0.3	0.16			15114521	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.81	159.6	Lg	11:01:56.715	0.9					T__						15114522	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	0.85	35.8	Pn	11:01:47.759	1.7					T__						15114523	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.85	35.8	Sn	11:02:01.923	1.6					T__						15114524	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.85	35.8	Pn	11:01:47.500	1.5					T__						15114525	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	338.9	Pn	11:01:46.900	-0.3					T__						15114526	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	338.9	Lg	11:02:00.500	1.3					T__						15114527	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	338.9	Pn	11:01:47.750	0.6					T__						15114528	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.95	338.9	Sn	11:02:01.694	-0.7					T__						15114529	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MPLH	1.09	157.0	Pg	11:01:49.182	0.0					T__						15114530	FDSN	HU	--	BUD	iLoc	BHZ	???	_

MPLH	1.09	157.0	Lg	11:02:04.296	-0.8	T__									15114531	FDSN	HU	--	BUD	iLoc	BHN	???	_
VRAC	1.16	349.4	Pn	11:01:50.000	-0.0	T__									15114532	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.16	349.4	Sn	11:02:06.489	-0.8	T__									15114533	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CSKK	1.22	131.3	Sn	11:02:05.424	-3.5	T__									15114534	FDSN	HU	--	BUD	iLoc	HHN	???	_
ARSA	1.32	226.1	Sn	11:02:11.572	0.2	T__				1.7	0.22				15114535	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.32	226.1	Pg	11:01:53.761	0.7	T__									15114536	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.32	226.1	Sn	11:02:11.301	-0.1	T__									15114537	FDSN	OE	--	BUD	iLoc	BHE	???	_
VYHS	1.32	75.2	Pg	11:01:54.002	0.2	T__									15114538	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	75.2	Lg	11:02:12.357	-0.1	T__									15114539	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.32	75.2	Sn	11:02:11.500	0.1	T__									15114540	FDSN	IR	--	ISC	iLoc	???	???	_
A019A	1.43	240.2	Lg	11:02:16.080	0.1	T__									15114541	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
2018/01/11	12:12:13.36	1.10	0.59	47.5391	18.4286	9.0	4.2	106	0.0S		13	9	105	0.10	1.47	m	kx BUD	15114542	iLoc			144
2018/01/11	12:12:13.46f		0.62	47.5600	18.4573f				0.0S		13		105	0.09	1.47	m	kx BUD_GT	15134872	BUD			146

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

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15134872

Sta	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	12:12:16.031	0.2					T__						15137295	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.09	327.2	Lg	12:12:17.911	0.1					T__						15137296	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Pg	12:12:18.358	-0.4					T__						15137297	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	12:12:21.924	-0.9					T__						15137298	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.74	238.3	Pg	12:12:28.883	0.5					T__						15137299	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.74	238.3	Lg	12:12:39.373	-0.1					T__						15137300	FDSN	HU	--	BUD	BUD	BHE	???	_
A336A	0.77	28.2	Pn	12:12:31.007	0.6					T__						15137301	FDSN	Z3	00	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Pn	12:12:33.522	0.2					T__						15137302	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Lg	12:12:47.821	0.5					T__						15137303	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Pn	12:12:34.596	0.1					T__						15137304	FDSN	GE	--	BUD	BUD	BHZ	???	_
MODS	1.14	316.2	Lg	12:12:51.976	-0.9					T__						15137305	FDSN	SK	--	BUD	BUD	HHE	???	_
MORH	1.35	174.5	Sn	12:12:57.031	-1.1					T__						15137306	FDSN	HU	--	BUD	BUD	BHE	???	_
A333A	1.47	322.4	Pg	12:12:43.271	0.9					T__						15137307	FDSN	Z3	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
2018/01/12	01:31:27.65	1.12	1.24	47.9777	20.4990	2.8	2.6	162	6.0F	7.4	63	34	37	0.41	3.31	m	ke BUD	15114557	iLoc			51

Magnitude	Err	Nsta	Author	OrigID
M	2.2	17	BUD	15114557

Sta	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	261.9	Pg	01:31:36.071	-0.5					T__						15114559	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.41	261.9	Lg	01:31:42.434	-0.8					T__						15114560	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.41	261.9	Pg	01:31:35.797	-0.8					T__						15114561	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.41	261.9	Lg	01:31:42.672	-0.6					T__						15114562	FDSN	GE	--	BUD	iLoc	BHE	???	_

KECS	0.51	359.0	Pg	01:31:37.599	-0.2	T__	---	15114563	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.51	359.0	Lg	01:31:45.015	-0.4	T__	---	15114564	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.59	57.0	Pg	01:31:39.289	0.0	T__	---	15114565	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	0.59	57.0	Lg	01:31:48.129	-0.8	T__	---	15114566	FDSN	HU	--	BUD	iLoc	HHN	???	_
BSZH	0.70	193.1	Pg	01:31:42.523	0.0	T__	---	15114567	FDSN	HU	--	BUD	iLoc	HHZ	???	_
BSZH	0.70	193.1	Lg	01:31:54.052	0.7	T__	---	15114568	FDSN	IR	--	ISC	iLoc	???	???	_
BSZH	0.70	193.1	Lg	01:31:54.272	0.9	T__	---	15114569	FDSN	HU	--	BUD	iLoc	HHE	???	_
A270A	1.00	263.0	Pn	01:31:47.614	0.5	T__	---	15114570	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	1.00	263.0	Sn	01:32:02.122	-0.2	T__	---	15114571	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	1.04	284.8	Pg	01:31:48.984	0.6	T__	---	15114572	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.04	284.8	Sn	01:32:02.340	-0.7	T__	---	15114573	FDSN	Z3	00	BUD	iLoc	HH2	???	_
LTVH	1.12	121.5	Pg	01:31:50.529	0.5	T__	---	15114574	FDSN	IR	--	ISC	iLoc	???	???	_
LTVH	1.12	121.5	Pg	01:31:50.388	0.4	T__	---	15114575	FDSN	HU	--	BUD	iLoc	HHZ	???	_
LTVH	1.12	121.5	Lg	01:32:06.948	-0.7	T__	---	15114576	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	1.13	34.3	Pn	01:31:49.529	0.4	T__	---	15114577	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	1.13	34.3	Lg	01:32:05.020	-1.6	T__	---	15114578	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.23	295.5	Pg	01:31:51.744	-0.3	T__	---	15114579	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.23	295.5	Sn	01:32:06.945	-1.1	T__	---	15114580	FDSN	SK	--	BUD	iLoc	HHN	???	_
BORR	1.24	135.1	Lg	01:32:10.642	-1.2	T__	---	15114581	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.36	330.1	Pg	01:31:54.065	-0.4	T__	---	15114582	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.36	330.1	Sn	01:32:11.567	-0.3	T__	---	15114583	FDSN	SK	--	BUD	iLoc	EHE	???	_
MASL	1.44	43.3	Pg	01:31:54.985	0.7	T__	---	15114584	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A338A	1.44	272.3	Pg	01:31:55.340	-1.1	T__	---	15114585	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.44	272.3	Sn	01:32:15.265	2.2	T__	---	15114586	FDSN	Z3	00	BUD	iLoc	HH2	???	_
NIE	1.45	355.2	Pg	01:31:55.376	0.0	T__	---	15114587	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	1.45	355.2	Lg	01:32:14.934	-1.2	T__	---	15114588	FDSN	PL	--	BUD	iLoc	BHE	???	_
NIE	1.45	354.8	Lg	01:32:15.050	-1.1	T__	---	15114589	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	1.47	257.4	Pg	01:31:55.649	-1.4	T__	---	15114590	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	1.47	257.4	Lg	01:32:17.094	-0.5	T__	---	15114591	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	1.52	288.8	Sn	01:32:17.544	2.3	T__	---	15114592	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A332A	1.59	302.1	Pg	01:31:58.119	-0.9	T__	---	15114593	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.71	233.7	Pg	01:32:00.701	-1.4	T__	---	15114594	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.71	233.7	Sn	01:32:23.834	4.2	T__	---	15114595	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	1.82	253.5	Pn	01:32:00.325	1.7	T__	---	15114596	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	1.82	253.5	Sn	01:32:25.277	2.8	T__	---	15114597	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SIRR	1.89	154.7	Pn	01:32:00.112	0.5	T__	---	15114598	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.89	154.7	Pn	01:31:59.866	0.2	T__	---	15114599	FDSN	RO	--	BUD	iLoc	BHZ	???	_
A331A	1.91	308.6	Lg	01:32:32.024	0.6	T__	---	15114600	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BMR	2.04	97.5	Sn	01:32:27.238	-1.6	T__	---	15114601	FDSN	RO	--	BUD	iLoc	BHN	???	_
TIH	2.07	239.7	Pg	01:32:06.339	-2.5	T__	---	15114602	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A266A	2.10	227.2	Pg	01:32:08.243	-1.4	T__	---	15114603	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	2.10	227.2	Lg	01:32:36.667	-1.9	T__	---	15114604	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	2.16	249.1	Pn	01:32:05.598	2.2	T__	---	15114605	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	2.16	249.1	Sn	01:32:32.285	1.5	T__	---	15114606	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	2.17	216.4	Pn	01:32:02.986	-0.5	T__	---	15114607	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	2.17	216.4	Pn	01:32:03.126	-0.4	T__	---	15114608	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	2.21	125.2	Pn	01:32:05.036	0.4	T__	---	15114609	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.48	161.6	Pn	01:32:08.783	1.0	T__	---	15114610	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.49	161.2	Pn	01:32:08.988	1.1	T__	---	15114611	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	2.49	161.2	Sn	01:32:37.863	-0.6	T__	---	15114612	FDSN	RO	--	BUD	iLoc	BHE	???	_
SURR	2.49	152.8	Pn	01:32:09.320	1.4	T__	---	15114613	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.50	221.8	Pn	01:32:07.833	-0.5	T__	---	15114614	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	2.50	221.8	Sn	01:32:38.461	-0.7	T__	---	15114615	FDSN	HU	--	BUD	iLoc	BHE	???	_

ARCR	2.76	107.4	Sn	01:32:45.569	-0.8	T__	---	15114616	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	3.02	147.9	Pn	01:32:16.997	1.3	T__	---	15114617	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	3.19	94.3	Pn	01:32:19.589	0.9	T__	---	15114618	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	3.19	94.3	Sn	01:32:57.762	0.1	T__	---	15114619	FDSN	RO	--	BUD	iLoc	BHE	???	_
BURAR	3.20	94.8	Pn	01:32:19.015	0.1	T__	---	15114620	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	3.31	164.8	Pn	01:32:20.182	0.5	T__	---	15114621	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
2018/01/13	09:25:04.14	3.92	0.29	46.0217	18.3335	37.7	6.5	173	0.0A	5	3	244	0.18	1.24	m	ke	BUD	15114622	iLoc			333

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KOVH	0.18	292.4	Pg	09:25:08.452	0.1					T__						15114624	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.18	292.4	Lg	09:25:11.313	-0.3					T__						15114625	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.29	48.0	Pg	09:25:10.536	0.0					T__						15114626	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.29	48.0	Lg	09:25:15.448	-0.1					T__						15114627	FDSN	HU	--	BUD	iLoc	BHN	???	_
A261A	1.24	319.1	Pg	09:25:29.357	0.2					T__						15114628	FDSN	Z3	00	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	
2018/01/15	09:31:57.57	1.50	0.27	47.9329	19.8214	21.0	5.4	24	0.0S	7	3	204	0.05	1.02	m	kx	BUD	15114629	iLoc				322

(locality : Gyöngyöstarján Hungary)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID

MLv 1.7 0.3 2 BUD 15114629

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.05	106.5	Pg	09:31:59.244	-0.1					T__	28.9	193.6			MLv 1.7	15114631	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.05	106.5	Lg	09:32:01.329	0.4					T__						15114632	FDSN	GE	--	BUD	iLoc	BHE	???	_
PSZ	0.05	106.5	Lg	09:32:01.000	0.0					T__		1.9				15114633	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	0.87	310.8	Sn	09:32:30.200	-0.2					T__						15114634	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	0.87	310.8	Pn	09:32:16.043	0.0					T__	1.6	2.6			MLv 1.4	15114635	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.87	310.8	Lg	09:32:28.091	0.3					T__						15114636	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	1.02	68.5	Lg	09:32:34.399	0.1					T__						15114637	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	
2018/01/15	09:42:44.26	1.09	0.88	48.5507	20.7730	8.9	4.2	172	0.0S	13	7	147	0.20	8.27	m	kx	BUD	15114647	iLoc				216

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

Magnitude Err Nsta Author OrigID

M 1.8 5 BUD 15114647

Sta	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	250.6	Pg	09:42:48.154	-0.4					T__						15114649	FDSN	SK	--	BUD	iLoc	EHE	???	_

KECS	0.20	250.6	Lg	09:42:51.364	-0.4	T__									15114650	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	250.6	Lg	09:42:52.400	0.6	T__					0.6				15114651	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.40	129.2	Pg	09:42:52.806	0.3	T__									15114652	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	129.2	Lg	09:42:59.482	0.0	T__									15114653	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.86	223.2	Pn	09:43:03.119	0.1	T__									15114654	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	223.2	Lg	09:43:15.665	-0.2	T__									15114655	FDSN	GE	--	BUD	iLoc	BHN	???	_
MASL	0.93	59.8	Pn	09:43:03.668	-0.3	T__									15114656	FDSN	SK	--	BUD	iLoc	EZH	???	_
MASL	0.93	59.8	Lg	09:43:16.800	0.1	T__									15114657	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	1.29	268.2	Pg	09:43:09.401	-0.5	T__									15114658	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	268.2	Sn	09:43:27.056	-1.0	T__									15114659	FDSN	SK	--	BUD	iLoc	HHN	???	_
A334A	2.06	272.7	Pn	09:43:21.802	2.3	T__									15114660	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MGAB	8.27	230.3	Pg	09:45:21.530	-0.6	T__									15114661	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
2018/01/15	23:03:10.81	1.57	1.52	47.4817	18.2328	11.2	7.0	110	10.0A		5	4	138	0.12	0.34	m	ke BUD	15114662	iLoc			223

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.12	170.9	Pg	23:03:14.313	0.2					T__						15114664	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.12	170.9	Lg	23:03:15.772	-0.8					T__						15114665	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.19	32.8	Lg	23:03:19.648	1.3					T__						15114666	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.22	256.6	Lg	23:03:19.545	0.2					T__						15114667	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SRO	0.34	9.3	Lg	23:03:21.596	-1.5					T__						15114668	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
2018/01/16	09:01:47.93	2.57	0.59	48.5327	20.7757	21.1	5.6	5	0.0S		6	3	231	0.20	0.85	m	kx BUD	15114669	iLoc			328

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	15114669

Sta	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	255.7	Pg	09:01:51.993	-0.1					T__	19.7	75.1			MLv	1.7	15114671	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.20	255.7	Lg	09:01:55.594	0.2					T__						15114672	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.7 1)																									
ABAH	0.39	127.3	Pg	09:01:56.254	0.3					T__	1.4	11.1			MLv	1.4	15114673	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	127.3	Lg	09:02:02.162	-0.5					T__						15114674	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.4 1)																									
CRVS	0.59	50.6	Lg	09:01:59.007	-9.8											15114675	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
PSZ	0.85	224.1	Pg	09:02:05.447	-0.4					T__	1.1	7.4			MLv	1.8	15114676	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	224.1	Lg	09:02:19.805	0.7					T__						15114677	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	
2018/01/16	23:56:50.20	0.60		45.8880	21.4350	0.1	0.0		18.0F		2.6	22		0.30	3.08	a	ke BEO	15102249	ISC				360

2018/01/16 23:56:50.22	0.15	0.48	46.0391	21.4750	1.3	1.2	102	5.0A		31	70	0.26	2.57 a	ke BUC	15102252	ISC	360	
2018/01/16 23:56:48.89	0.92	1.33	46.0348	21.4140	2.6	2.3	95	9.2F	5.8	91	33	43	0.29	3.23 m	ke BUD	15114691	iLoc	61

Magnitude	Err	Nsta	Author	OrigID
ML	2.0		BEO	15102249
m1	2.4		BUC	15102252
M	2.5	12	BUD	15114691

Sta	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	0.29	36.8	Pg	23:56:54.368	-0.8					T__						15114693	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.29	36.8	Lg	23:56:58.322	-1.7					T__						15114694	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.29	36.2	Pg	23:56:54.779	-0.4					T__						15114695	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.29	36.2	Pg	23:56:54.779	-0.4					T__		1.6				15114696	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.29	36.2	Lg	23:56:58.440	-1.6					T__		1.6				15114697	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.33	204.4	Pg	23:56:56.455	0.8					T__						15114698	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.33	204.4	Pg	23:56:56.455	0.8					T__		0.9				15114699	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.33	204.4	Lg	23:57:02.165	1.4					T__		0.9				15114700	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.44	161.2	Pg	23:56:58.702	0.9					T__						15114701	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.44	161.2	Pg	23:56:58.702	0.9					T__		0.2				15114702	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.44	161.2	Lg	23:57:04.667	0.3					T__		0.2				15114703	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.45	159.1	Pg	23:56:57.670	-0.2					T__						15114704	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.45	159.1	Lg	23:57:03.755	-0.7					T__						15114705	FDSN	RO	--	BUD	iLoc	BHE	???	_
SURR	0.57	119.2	Pg	23:56:59.590	-0.5					T__		0.1				15114707	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	119.2	Pg	23:56:59.590	-0.5					T__						15114706	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	119.2	Lg	23:57:07.769	-0.7					T__		0.1				15114708	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.57	303.7	Pg	23:57:01.182	0.3					T__						15114709	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.57	303.7	Pg	23:57:01.182	0.3					T__		0.6				15114710	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.57	303.7	Pb	23:57:01.400	0.5					T__		0.7				15114711	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.57	303.7	Lg	23:57:10.258	0.4					T__		0.6				15114712	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.57	303.7	Lg	23:57:10.300	0.4					T__		0.7				15114713	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.68	196.7	Pn	23:57:03.579	0.5					T__						15114714	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BANR	0.68	196.7	Sn	23:57:14.424	-0.1					T__						15114715	FDSN	RO	--	BUD	iLoc	BHN	???	_
BANR	0.68	196.8	Pn	23:57:03.324	0.2					T__						15114716	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.68	196.8	Pn	23:57:03.324	0.2					T__		0.3				15114717	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.68	196.8	Sn	23:57:13.556	-0.9					T__		0.3				15114718	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.05	97.8	Pg	23:57:09.930	0.8					T__						15114719	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.05	97.8	Pg	23:57:09.930	0.8					T__		0.1				15114720	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.05	97.8	Sn	23:57:23.965	0.2					T__		0.1				15114721	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.09	13.5	Pn	23:57:10.211	1.1					T__						15114722	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.09	13.5	Pn	23:57:10.211	1.1					T__						15114723	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.09	13.5	Sn	23:57:26.398	1.4					T__						15114724	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.15	123.4	Pn	23:57:09.967	-0.0					T__						15114725	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.15	123.4	Pg	23:57:11.685	0.7					T__						15114726	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.15	123.4	Pg	23:57:11.685	0.7					T__		0.2				15114727	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.15	123.4	Sn	23:57:25.049	-1.7					T__						15114728	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.15	123.4	Sn	23:57:26.702	-0.0					T__		0.2				15114729	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.35	148.2	Pg	23:57:15.895	1.2					T__						15114730	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.35	148.2	Pg	23:57:15.895	1.2					T__		0.1				15114731	FDSN	IR	--	ISC	iLoc	???	???	_
LTVH	1.39	13.7	Pg	23:57:16.246	-0.3					T__						15114732	FDSN	IR	--	ISC	iLoc	???	???	_
LTVH	1.39	13.7	Pg	23:57:16.246	-0.3					T__						15114733	FDSN	IR	--	ISC	iLoc	???	???	_
LTVH	1.39	13.7	Lg	23:57:35.544	-2.1					T__						15114734	FDSN	IR	--	ISC	iLoc	???	???	_
LTVH	1.39	13.7	Pn	23:57:14.750	1.2					T__						15114735	FDSN	HU	--	BUD	iLoc	HHZ	???	_
LTVH	1.39	13.7	Sn	23:57:33.360	0.6					T__						15114736	FDSN	HU	--	BUD	iLoc	HHE	???	_

FRGS	1.43	232.7	Pn	23:57:15.000	1.3	T__	---	15114737	FDSN	IR	--	ISC	iLoc	???	???	_	
FRGS	1.43	232.7	Sn	23:57:34.500	1.4	T__	---	15114738	FDSN	IR	--	ISC	iLoc	???	???	_	
FRGS	1.43	232.7	Lg	23:57:37.650	1.0	T__	---	15114739	FDSN	IR	--	ISC	iLoc	???	???	_	
FRGS	1.43	232.7	Lg	23:57:37.650	1.0	T__	0.1	---	15114740	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.43	231.5	Pn	23:57:15.250	1.4	T__	---	15114741	FDSN	SJ	--	BUD	iLoc	HHZ	???	_	
FRGS	1.43	231.5	Sn	23:57:34.990	1.5	T__	---	15114742	FDSN	SJ	--	BUD	iLoc	HHN	???	_	
BSZH	1.49	328.4	Pn	23:57:16.254	1.5	T__	---	15114743	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
BSZH	1.49	328.4	Sn	23:57:37.294	2.5	T__	---	15114744	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MESR	1.54	43.0	Pg	23:57:17.708	-1.1	T__	---	15114745	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.54	43.0	Pg	23:57:17.708	-1.1	T__	0.2	---	15114746	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.54	43.0	Sn	23:57:38.274	1.5	T__	0.2	---	15114747	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	1.63	173.4	Pn	23:57:16.000	-0.8	T__	---	15114748	FDSN	IR	--	ISC	iLoc	???	???	_	
KUBS	1.63	173.4	Sn	23:57:36.600	-1.9	T__	---	15114749	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.66	65.0	Pg	23:57:19.875	-1.3	T__	---	15114750	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
CJR	1.66	65.0	Sn	23:57:42.445	2.4	T__	0.1	---	15114751	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.66	65.0	Sn	23:57:43.109	3.0	T__	---	15114752	FDSN	RO	--	BUD	iLoc	BHN	???	_	
LOT	1.75	108.7	Pg	23:57:21.229	-1.1	T__	---	15114753	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.75	108.7	Pg	23:57:21.229	-1.1	T__	---	15114754	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.75	108.7	Sn	23:57:43.965	1.7	T__	---	15114755	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.75	108.8	Pg	23:57:21.688	-0.7	T__	---	15114756	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
LOT	1.75	108.8	Sn	23:57:44.433	2.0	T__	---	15114757	FDSN	RO	--	BUD	iLoc	BHN	???	_	
MORH	1.93	276.4	Pn	23:57:21.451	0.6	T__	---	15114758	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MORH	1.93	276.4	Sn	23:57:45.411	0.0	T__	---	15114759	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORH	1.94	276.3	Pg	23:57:24.714	-1.8	T__	---	15114760	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.94	276.3	Pg	23:57:24.714	-1.8	T__	---	15114761	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.94	276.3	Lg	23:57:50.843	-3.0	T__	---	15114762	FDSN	IR	--	ISC	iLoc	???	???	_	
TRUS	1.95	201.9	Sn	23:57:47.200	1.6	T__	---	15114763	FDSN	IR	--	ISC	iLoc	???	???	_	
TEKS	1.99	222.5	Pn	23:57:21.500	-0.2	T__	---	15114764	FDSN	IR	--	ISC	iLoc	???	???	_	
TEKS	1.99	222.5	Sn	23:57:45.600	-1.3	T__	---	15114765	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	2.15	331.6	Pn	23:57:24.314	-0.0	T__	---	15114766	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	2.15	331.6	Sn	23:57:49.692	-1.6	T__	---	15114767	FDSN	GE	--	BUD	iLoc	BHE	???	_	
BMR	2.17	40.3	Pg	23:57:29.400	-1.3	T__	0.1	---	15114768	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	2.18	208.0	Pn	23:57:24.500	0.0	T__	---	15114769	FDSN	IR	--	ISC	iLoc	???	???	_	
DIVS	2.18	208.0	Sn	23:57:49.400	-2.3	T__	---	15114770	FDSN	IR	--	ISC	iLoc	???	???	_	
GRUS	2.20	193.3	Pn	23:57:23.800	-0.7	T__	---	15114771	FDSN	IR	--	ISC	iLoc	???	???	_	
GRUS	2.20	193.3	Sn	23:57:49.000	-2.7	T__	---	15114772	FDSN	IR	--	ISC	iLoc	???	???	_	
ABAH	2.27	357.1	Pn	23:57:26.056	0.2	T__	---	15114773	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ZAGS	2.30	165.0	Pn	23:57:25.700	-0.3	T__	---	15114774	FDSN	IR	--	ISC	iLoc	???	???	_	
BOVS	2.41	175.0	Pn	23:57:26.500	-1.0	T__	---	15114775	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	2.62	101.9	Pn	23:57:33.338	2.1	T__	---	15114776	FDSN	IR	--	ISC	iLoc	???	???	_	
VOIR	2.62	101.9	Pn	23:57:33.338	2.1	T__	---	15114777	FDSN	IR	--	ISC	iLoc	???	???	_	
SELS	2.82	184.4	Pn	23:57:33.600	0.3	T__	---	15114778	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAPS	2.89	162.1	Sn	23:58:07.400	-2.3	T__	---	15114779	FDSN	IR	--	ISC	iLoc	???	???	_	
MPLH	2.90	294.4	Pn	23:57:36.325	1.8	T__	---	15114780	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
VYHS	3.02	325.4	Pn	23:57:37.286	0.9	T__	---	15114781	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
BARS	3.23	174.8	Pn	23:57:37.300	-1.7	T__	---	15114782	FDSN	IR	--	ISC	iLoc	???	???	_	
BARS	3.23	174.8	Sn	23:58:14.900	-2.6	T__	---	15114783	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
2018/01/17	05:49:48.61	0.66	0.65	47.6956	18.3739	6.6	2.4	150	0.0F	0.0	13	5		1.40	1.70	a	sx VIE	15102431	ISC			360
2018/01/17	05:49:50.44	1.06	0.69	47.8709	18.3795	6.0	3.1	106	6.2F	6.6	25	14	130	0.07	1.70	m	ke BUD	15114784	iLoc			153

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

Magnitude	Err	Nsta	Author	OrigID
m1	1.7		VIE	15102431
M	2.3	6	BUD	15114784

Sta	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	217.8	Pg	05:49:52.651	0.2					T__						15114786	FDSN	SK	--	BUD	iLoc	EZH	???	_
SR0	0.07	217.8	Lg	05:49:54.396	0.4					T__						15114787	FDSN	SK	--	BUD	iLoc	EHN	???	_
A338A	0.15	352.8	Lg	05:49:56.355	0.2					T__						15114788	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A269A	0.23	179.5	Pg	05:49:54.695	-0.7					T__						15114789	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.23	179.5	Lg	05:49:58.032	-1.1					T__						15114790	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.51	189.0	Pg	05:50:01.203	0.3					T__						15114791	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.51	189.0	Lg	05:50:08.254	-0.4					T__						15114792	FDSN	HU	--	BUD	iLoc	HHN	???	_
A336A	0.55	48.7	Pg	05:50:01.879	0.3					T__						15114793	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.55	48.7	Lg	05:50:10.137	0.4					T__						15114794	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.58	357.1	Pg	05:50:02.853	0.8					T__						15114795	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.58	357.1	Lg	05:50:10.308	-0.2					T__						15114796	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	0.69	25.9	Pg	05:50:04.953	0.6					T__						15114797	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.69	25.9	Lg	05:50:12.996	-1.6					T__						15114798	FDSN	SK	--	BUD	iLoc	HHN	???	_
EGYH	0.84	237.7	Pn	05:50:08.204	0.5					T__						15114799	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.84	237.7	Lg	05:50:20.209	0.9					T__						15114800	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	0.89	304.6	Pg	05:50:07.865	-0.4					T__						15114801	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.89	304.6	Lg	05:50:20.634	-0.4					T__						15114802	FDSN	SK	--	BUD	iLoc	HHE	???	_
MPLH	0.90	219.4	Pn	05:50:09.026	0.5					T__						15114803	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.90	219.4	Lg	05:50:21.423	0.1					T__						15114804	FDSN	HU	--	BUD	iLoc	BHN	???	_
TIH	1.03	199.2	Lg	05:50:25.651	0.3					T__						15114805	FDSN	HU	--	BUD	iLoc	HHE	???	_
JAVC	1.10	334.7	Lg	05:50:26.556	-1.1					T__						15114806	FDSN	CZ	--	BUD	iLoc	BHE	???	_
RONA	1.42	263.8	Pn	05:50:15.973	0.2					T__		0.2	0.10			15114807	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.42	263.8	Sn	05:50:34.327	-0.9					T__		1.5	0.20			15114808	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.70	272.9	Pn	05:50:19.568	-0.2					T__		0.4	0.26			15114809	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.70	272.9	Sn	05:50:42.321	0.2					T__		1.0	0.22			15114810	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
2018/01/17	08:47:34.66	1.96	0.77	48.0471	20.6843	12.6	6.3	146	10.OA		7	4	200	0.45	1.31	m	ke BUD	15114811	iLoc			273

Magnitude	Err	Nsta	Author	OrigID
M	1.7	3	BUD	15114811

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.45	56.0	Lg	08:47:50.541	-0.6					T__						15114813	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	0.46	343.2	Pg	08:47:44.517	0.6					T__						15114814	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.46	343.2	Lg	08:47:50.160	-0.8					T__						15114815	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	0.55	256.6	Pg	08:47:46.732	0.3					T__						15114816	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.55	256.6	Lg	08:47:54.384	-0.6					T__						15114817	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.31	290.6	Pg	08:48:01.308	0.5					T__						15114818	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.31	290.6	Lg	08:48:18.619	-0.5					T__						15114819	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
2018/01/17	09:58:51.41	1.01	0.71	48.6638	20.6576	9.5	3.7	145	0.0S	14	8	137	0.21	1.68	m	kx	BUD	15114820	iLoc			162
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.1	4	BUD	15114820

Sta	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	212.4	Pg	09:58:55.966	0.1					T__						15114822	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	212.4	Lg	09:58:58.932	-0.4					T__						15114823	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	212.4	Lg	09:59:00.000	0.7					T__		1.4				15114824	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	65.5	Pg	09:59:02.825	0.3					T__						15114825	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	65.5	Lg	09:59:12.113	-0.1					T__						15114826	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.90	214.6	Pn	09:59:11.155	0.5					T__						15114827	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	214.6	Lg	09:59:22.760	-1.6					T__						15114828	FDSN	GE	--	BUD	iLoc	BHE	???	_
MASL	0.95	68.0	Pn	09:59:11.586	0.2					T__						15114829	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.95	68.0	Lg	09:59:24.296	-0.2					T__						15114830	FDSN	SK	--	BUD	iLoc	EHN	???	_
KOLS	1.10	75.2	Lg	09:59:29.351	-0.7					T__						15114831	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.19	249.3	Sn	09:59:31.796	-0.5					T__						15114832	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.22	262.7	Pg	09:59:16.682	0.9					T__						15114833	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A331A	1.68	287.8	Pg	09:59:23.438	-0.4					T__						15114834	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	1.68	287.8	Sn	09:59:45.056	-0.0					T__						15114835	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
2018/01/17	17:01:40.93	2.05	0.72	46.0444	21.5151	17.7	5.8	90	0.0A	6	3	216	0.24	1.10	m	ke	BUD	15114836	iLoc			317

Magnitude	Err	Nsta	Author	OrigID	
ML	1.3	0.3	3	BUD	15114836

Sta	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	0.24	24.9	Pg	17:01:46.779	0.3					T__	3.7	13.1		MLv	1.1	15114838	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.24	24.9	Lg	17:01:50.307	-0.5					T__						15114839	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.1 1																								
BZS	0.43	168.4	Pg	17:01:49.876	0.2					T__	0.6	6.3		MLv	1.3	15114840	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.43	168.4	Lg	17:01:55.784	-0.4					T__						15114841	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.3 1																								
GZR	1.10	125.9	Pg	17:02:02.648	0.7					T__	1.2	10.3		MLv	2.1	15114842	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.10	125.9	Lg	17:02:16.886	-0.7					T__						15114843	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	
2018/01/17	18:02:26.68	1.04	0.74	47.6300	17.9400	4.6	3.8	97	11.5F	10.6	20	12	68	0.20	1.49	m	ke	BUD	15114857	iLoc			91

Magnitude	Err	Nsta	Author	OrigID
M	2.0	6	BUD	15114857

Sta	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	0.20	183.2	Pg	18:02:31.462	0.1					T__						15114859	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A268A	0.20	183.2	Lg	18:02:33.966	-0.9	T__	---	15114860	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A339A	0.28	316.2	Pg	18:02:33.045	0.3	T__	---	15114861	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.28	316.2	Lg	18:02:37.923	0.8	T__	---	15114862	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.30	88.2	Lg	18:02:37.381	-0.5	T__	---	15114863	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.34	140.7	Pg	18:02:34.034	0.0	T__	---	15114864	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.34	140.7	Lg	18:02:39.383	-0.1	T__	---	15114865	FDSN	HU	--	BUD	iLoc	HHN	???	_
EGYH	0.46	242.8	Lg	18:02:43.728	0.5	T__	---	15114866	FDSN	HU	--	BUD	iLoc	HHN	???	_
A338A	0.48	35.6	Pg	18:02:36.500	0.1	T__	---	15114867	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.48	35.6	Lg	18:02:44.055	0.6	T__	---	15114868	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MPLH	0.53	210.7	Pg	18:02:36.836	-0.7	T__	---	15114869	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.53	210.7	Lg	18:02:45.526	0.1	T__	---	15114870	FDSN	HU	--	BUD	iLoc	BHN	???	_
MODS	0.87	329.3	Pg	18:02:43.674	-0.3	T__	---	15114871	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.87	329.3	Lg	18:02:55.169	-0.7	T__	---	15114872	FDSN	SK	--	BUD	iLoc	HHE	???	_
A260A	0.91	248.0	Pn	18:02:43.856	-0.4	T__	---	15114873	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.93	49.3	Pn	18:02:44.679	0.2	T__	---	15114874	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.93	49.3	Lg	18:02:57.705	-0.6	T__	---	15114875	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.05	34.5	Pn	18:02:46.323	0.1	T__	---	15114876	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.05	34.5	Sn	18:03:00.379	-0.9	T__	---	15114877	FDSN	SK	--	BUD	iLoc	HHE	???	_
MORH	1.49	160.9	Sn	18:03:14.090	1.9	T__	---	15114878	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
 2018/01/18 09:02:15.89 1.05 0.54 48.5408 20.7701 7.4 4.0 154 0.0S 14 9 95 0.20 1.29 m kx BUD 15114879 iLoc 164
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 6 BUD 15114879

Sta	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	253.2	Pg	09:02:20.225	0.2					T__	---					15114881	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	253.2	Lg	09:02:24.128	0.9					T__	---					15114882	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.40	127.9	Pg	09:02:24.192	0.1					T__	---					15114883	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	51.4	Pg	09:02:27.219	0.1					T__	---					15114884	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.85	223.6	Pg	09:02:34.070	0.2					T__	---					15114885	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.85	223.6	Lg	09:02:47.067	-0.1					T__	---					15114886	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.93	19.4	Pg	09:02:33.820	0.7					T__	---					15114887	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.94	59.4	Pn	09:02:35.205	-0.5					T__	---					15114888	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.94	59.4	Lg	09:02:48.843	0.3					T__	---					15114889	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	1.05	305.8	Pg	09:02:36.039	-0.5					T__	---					15114890	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.22	256.1	Pg	09:02:40.497	0.2					T__	---					15114891	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.22	256.1	Sn	09:02:57.038	-0.7					T__	---					15114892	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.29	268.6	Pn	09:02:40.835	0.5					T__	---					15114893	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	268.6	Sn	09:02:59.014	-0.6					T__	---					15114894	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
 2018/01/18 11:00:57.51 1.26 0.78 48.1307 17.0027 9.2 4.7 140 0.0S 11 7 156 0.09 1.33 m sx BUD 15114895 iLoc 183
 (locality : Hainburg Austria)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
M 2.3 2 BUD 15114895

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.09	45.5	Pg	11:01:00.708	0.7					T__						15114897	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.09	45.5	Lg	11:01:01.523	-0.5					T__						15114898	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.30	37.0	Pg	11:01:04.490	0.3					T__						15114899	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.30	37.0	Lg	11:01:08.045	-1.1					T__						15114900	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	0.79	255.6	Lg	11:01:23.616	-1.5					T__						15114901	FDSN	OE	--	BUD	iLoc	BHE	???	_
KRUC	1.02	336.8	Pn	11:01:17.933	-0.2					T__						15114902	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.02	336.8	Lg	11:01:31.487	0.2					T__						15114903	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.21	347.2	Lg	11:01:37.234	0.2					T__						15114904	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	1.28	72.8	Lg	11:01:40.927	-0.3					T__						15114905	FDSN	SK	--	BUD	iLoc	HHN	???	_
ARSA	1.33	229.2	Pg	11:01:23.766	0.4					T__						15114906	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.33	229.2	Lg	11:01:42.947	0.5					T__						15114907	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
2018/01/19 09:05:27.98 1.07 0.87 48.6075 20.7155 17.2 4.0 147 0.0S 10 5 154 0.20 1.25 m kx BUD 15114908 iLoc 187
(locality : Dvorniky-Vcelare Slovakia)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.3 4 BUD 15114908

Sta	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	230.9	Pg	09:05:32.405	0.3					T__						15114910	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	230.9	Lg	09:05:36.393	1.1					T__						15114911	FDSN	SK	--	BUD	iLoc	EHZ	???	_
CRVS	0.58	58.9	Pg	09:05:39.415	0.4					T__						15114912	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	58.9	Lg	09:05:46.926	-1.6					T__						15114913	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	218.8	Pn	09:05:46.401	-0.5					T__						15114914	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	218.8	Lg	09:05:59.537	-0.7					T__						15114915	FDSN	GE	--	BUD	iLoc	BHE	???	_
MASL	0.94	64.0	Pn	09:05:48.475	0.6					T__						15114916	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.94	64.0	Lg	09:06:00.919	0.3					T__						15114917	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	1.25	265.5	Pg	09:05:53.119	0.2					T__						15114918	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.25	265.5	Sn	09:06:10.513	-0.4					T__						15114919	FDSN	SK	--	BUD	iLoc	HHN	???	_
VINO	5.57	247.8	Sn	09:08:05.210	8.5					---						15114920	FDSN	IR	--	ISC	iLoc	???	???	_
VINO	5.57	247.8	Sn	09:08:05.210	8.5					---						15114921	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
2018/01/19 09:40:13.50 1.44 0.80 47.3802 18.4083 7.7 5.8 124 0.0S 6 4 130 0.10 1.18 m kx BUD 15114922 iLoc 219
(description : known quarry blast)
(locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
ML 1.8 0.7 3 BUD 15114922

Sta	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	260.5	Pg	09:40:16.315	0.1	T__	27.4	1098.6	---	MLv	2.6	15114924	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	260.5	Lg	09:40:17.977	-0.4	T__			---			15114925	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 2.6 1																				
A270A	0.62	41.4	Pg	09:40:26.202	-0.3	T__	2.0	8.3	---	MLv	1.8	15114926	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.8 1																				
VYHS	1.15	14.3	Lg	09:40:54.053	0.5	T__			---			15114927	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORH	1.18	172.0	Pg	09:40:37.608	0.7	T__	1.3	1.4	---	MLv	1.3	15114928	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.18	172.0	Lg	09:40:53.499	-0.9	T__			---			15114929	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
2018/01/19	09:45:33.99	1.41	1.66	47.3588	18.4168	13.5	9.6	154	0.0S		5	4	111	0.11	1.45	m	kx	BUD	15114943	iLoc		212
(description : known 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	272.4	Pg	09:45:37.761	1.0					T__						15114945	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.11	272.4	Lg	09:45:38.921	-0.1					T__						15114946	FDSN	HU	--	BUD	iLoc	HHN	???	_
A265A	1.03	204.7	Pn	09:45:50.223	-4.5					---						15114947	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
PSZ	1.15	60.2	Sn	09:46:15.690	1.5					T__						15114948	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.15	172.1	Sn	09:46:13.682	-0.2					T__						15114949	FDSN	HU	--	BUD	iLoc	BHE	???	_
A332A	1.45	1.2	Pn	09:45:59.097	-1.5					T__						15114950	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A004A	1.49	294.6	Sn	09:46:12.317	-9.7					---						15114951	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
2018/01/19	11:01:40.63	1.34	0.90	48.4330	18.2107	6.9	3.8	3	0.0S		13	7	142	0.08	0.78	m	sx	BUD	15114952	iLoc		171
(description : suspected quarry blast)																						

Magnitude Err Nsta Author OrigID
M 1.4 5 BUD 15114952

Sta	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	0.08	80.5	Pg	11:01:42.408	-0.3					T__						15114954	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.08	80.5	Lg	11:01:44.529	0.3					T__						15114955	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A332A	0.41	24.3	Pg	11:01:49.111	0.3					T__						15114956	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.41	24.3	Lg	11:01:55.920	1.0					T__						15114957	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.42	81.4	Pg	11:01:48.855	-0.4					T__						15114958	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.42	81.4	Lg	11:01:54.810	-0.7					T__						15114959	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.56	320.2	Pg	11:01:52.144	0.1					T__						15114960	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.56	320.2	Lg	11:01:59.657	-0.9					T__						15114961	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A336A	0.56	110.5	Pg	11:01:53.533	1.5					T__						15114962	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.56	110.5	Lg	11:01:58.912	-1.5					T__						15114963	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MODS	0.63	264.8	Pg	11:01:53.494	0.0					T__						15114964	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.63	264.8	Lg	11:02:03.708	0.8					T__						15114965	FDSN	SK	--	BUD	iLoc	HHE	???	_
ZST	0.78	252.6	Lg	11:02:07.100	-0.7					T__						15114966	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
2018/01/19	13:00:42.59	0.17	0.26	48.4493	17.4067	1.8	1.1	145	0.0F	0.0	14	5	1.05	1.15	a	sx	VIE	15102453	ISC			360
2018/01/19	13:00:41.95	0.98	0.46	48.4798	17.3585	5.9	3.5	141	0.0S		21	12	82	0.12	1.14	m	kx	BUD	15114967	iLoc		114

(description : known quarry blast)
(locality : Dolny-Lopasov Slovakia)

Magnitude	Err	Nsta	Author	OrigID
mb	1.7		VIE	15102453
ml	1.5		VIE	15102453
M	1.8	8	BUD	15114967

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.12	207.0	Pg	13:00:44.779	-0.2					T__						15114969	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A334A	0.24	59.2	Pg	13:00:46.960	-0.2					T__						15114970	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
ZST	0.33	211.1	Pg	13:00:49.062	0.0					T__						15114971	FDSN	SK	--	BUD	iLoc	HHZ	???	_
JAVC	0.43	28.5	Pg	13:00:50.993	0.0					T__						15114972	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.43	28.5	Lg	13:00:58.129	0.4					T__						15114973	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.43	28.5	Pg	13:00:50.700	-0.3					T__						15114974	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.65	92.5	Pg	13:00:55.067	-0.0					T__						15114975	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.65	92.5	Lg	13:01:05.214	0.5					T__						15114976	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.81	124.6	Pn	13:00:59.761	0.1					T__						15114977	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A004A	0.83	231.6	Pn	13:00:59.867	-0.0					T__						15114978	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KRUC	0.86	312.8	Pn	13:00:59.900	-0.5					T__						15114979	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.86	312.8	Pn	13:01:00.074	-0.4					T__						15114980	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.86	312.8	Sn	13:01:14.607	-0.0					T__						15114981	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	0.97	328.9	Pn	13:01:02.238	0.3					T__						15114982	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VYHS	0.98	88.6	Pn	13:01:01.558	-0.6					T__						15114983	FDSN	SK	--	BUD	iLoc	HHZ	???	_
RONA	1.06	222.8	Pg	13:01:02.749	-0.3					T__		2.2	0.14			15114984	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.06	222.8	Lg	13:01:17.878	-0.6					T__		1.5	0.14			15114985	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.14	241.7	Pg	13:01:05.125	0.5					T__						15114986	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.14	241.7	Sn	13:01:22.966	1.0					T__						15114987	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.14	241.7	Pg	13:01:05.005	0.4					T__		0.9	0.16			15114988	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.14	241.7	Lg	13:01:20.600	-0.7					T__		2.7	0.28			15114989	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
2018/01/19	14:42:58.35	1.05	0.88	47.0882	18.1153	6.6	4.9	104	0.0S		12	7	129	0.24	1.76	m	sx	BUD	15114990	iLoc		153

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	7	BUD	15114990

Sta	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	219.7	Pg	14:43:03.673	-0.1					T__						15114992	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.24	219.7	Lg	14:43:08.209	0.2					T__						15114993	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.29	19.7	Pg	14:43:04.383	-0.4					T__						15114994	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	0.40	282.0	Pg	14:43:06.789	-0.1					T__						15114995	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.40	282.0	Lg	14:43:12.814	-0.5					T__						15114996	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.95	157.1	Pn	14:43:18.319	0.5					T__						15114997	FDSN	HU	--	BUD	iLoc	BHZ	???	_

MORH	0.95	157.1	Lg	14:43:32.167	0.6	T__									15114998	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.00	180.6	Pn	14:43:18.942	0.2	T__									15114999	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.00	180.6	Lg	14:43:33.448	-0.3	T__									15115000	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	1.29	27.2	Pg	14:43:24.757	0.4	T__									15115001	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.29	27.2	Sn	14:43:39.577	-1.9	T__									15115002	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	1.76	337.7	Pn	14:43:30.781	1.4	T__									15115003	FDSN	Z3	00	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
2018/01/19	22:22:21.95	1.19	0.57	47.9919	19.2961	6.0	4.7	9	5.0A		10	5	131	0.24	0.93	m	ke BUD	15115004	iLoc			220

Magnitude	Err	Nsta	Author	OrigID
M	1.3	5	BUD	15115004

Sta	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	0.24	231.9	Pg	22:22:26.786	-0.2					T__						15115006	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.24	231.9	Lg	22:22:31.094	0.3					T__						15115007	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.31	320.6	Pg	22:22:28.906	0.5					T__						15115008	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.31	320.6	Lg	22:22:33.284	0.2					T__						15115009	FDSN	Z3	00	BUD	iLoc	HH3	???	_
PSZ	0.41	100.1	Pg	22:22:30.655	-0.2					T__						15115010	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.41	100.1	Lg	22:22:37.095	-0.4					T__						15115011	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	0.59	328.7	Pg	22:22:33.425	-0.4					T__						15115012	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.59	328.7	Lg	22:22:41.388	-1.2					T__						15115013	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	0.93	57.8	Pn	22:22:40.903	0.3					T__						15115014	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.93	57.8	Lg	22:22:54.586	0.3					T__						15115015	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
2018/01/22	09:00:46.78	1.22	0.34	48.5547	20.7412	6.7	5.5	159	0.0S		11	7	94	0.18	1.27	m	kx BUD	15115016	iLoc			168

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5	7	BUD	15115016

Sta	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	247.3	Pg	09:00:50.934	0.3					T__						15115018	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.18	247.3	Lg	09:00:53.669	-0.0					T__						15115019	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	127.7	Pg	09:00:55.158	-0.2					T__						15115020	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.59	53.6	Pg	09:00:57.893	-0.2					T__						15115021	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.85	222.0	Pg	09:01:04.268	-0.5					T__						15115022	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.85	222.0	Lg	09:01:18.082	0.1					T__						15115023	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.91	342.1	Pn	09:01:06.635	0.5					T__						15115024	FDSN	PL	--	BUD	iLoc	BHZ	???	_
LANS	1.03	305.8	Pg	09:01:06.605	-0.4					T__						15115025	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.03	305.8	Lg	09:01:21.956	-0.2					T__						15115026	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	1.27	268.0	Pg	09:01:11.643	-0.4					T__						15115027	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	268.0	Sn	09:01:29.992	-0.1					T__						15115028	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
2018/01/22	10:14:01.80	0.30		45.7400	21.1790	0.0	0.0		0.0F	4.1	19			0.33	2.13	a	ke BEO	15102473	ISC			360
2018/01/22	10:14:01.71	0.26	0.72	45.7100	21.2001	2.0	1.9	70	4.0F	1.9	30		55	0.03	2.71	a	ke BUC	15102476	ISC			360
2018/01/22	10:14:00.32	0.80	1.25	45.7658	21.1488	3.1	2.6	151	11.7F	5.7	76	23	56	0.06	3.39	m	ke BUD	15115029	iLoc			67

Magnitude	Err	Nsta	Author	OrigID
ML	2.2		BEO	15102473
m1	2.1		BUC	15102476
M	2.4	8	BUD	15115029

Sta	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	0.06	120.1	Pg	10:14:03.154	0.3					T__						15115031	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.06	120.1	Pg	10:14:03.154	0.3					T__						15115032	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.06	120.1	Lg	10:14:04.743	-0.1					T__						15115033	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.36	114.3	Pg	10:14:07.700	-0.1					T__						15115034	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.36	114.3	Pb	10:14:07.834	0.1					T__						15115035	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.36	114.3	Pb	10:14:07.834	0.1					T__		0.5				15115036	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.36	114.3	Lg	10:14:13.000	-0.3					T__						15115037	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.37	112.9	Pg	10:14:07.515	-0.5					T__						15115038	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.37	112.9	Lg	10:14:12.726	-1.0					T__						15115039	FDSN	RO	--	BUD	iLoc	BHN	???	_
BANR	0.38	181.4	Pg	10:14:08.453	0.3					T__						15115040	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.38	181.4	Pg	10:14:08.453	0.3					T__		0.7				15115041	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.38	181.4	Lg	10:14:14.014	0.0					T__		0.7				15115042	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.61	35.5	Pn	10:14:13.373	-0.2					T__						15115043	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.61	35.5	Lg	10:14:22.391	-0.0					T__						15115044	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.62	35.2	Pn	10:14:13.496	-0.1					T__						15115045	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.62	35.2	Pn	10:14:13.496	-0.1					T__		0.3				15115046	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.62	35.2	Pn	10:14:13.500	-0.1					T__						15115047	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.62	35.2	Lg	10:14:21.985	-0.4					T__		0.3				15115048	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.65	333.4	Pn	10:14:15.460	1.4					T__						15115049	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.65	333.4	Pn	10:14:15.460	1.4					T__		0.2				15115050	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.65	333.4	Sn	10:14:25.933	0.9					T__		0.2				15115051	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.68	90.6	Pg	10:14:13.906	0.2					T__						15115052	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.68	90.6	Pg	10:14:13.906	0.2					T__		0.1				15115053	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.68	90.6	Lg	10:14:23.174	-0.3					T__		0.1				15115054	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.06	157.8	Pn	10:14:20.272	0.3					T__						15115055	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.06	157.8	Pn	10:14:20.272	0.3					T__		0.1				15115056	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.06	157.8	Pg	10:14:20.700	-0.4					T__						15115057	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.06	157.8	Lg	10:14:34.200	-1.7					T__						15115058	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.06	157.8	Sg	10:14:34.307	-1.6					T__		0.1				15115059	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.12	236.2	Pg	10:14:21.928	0.1					T__						15115060	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
FRGS	1.12	236.2	Sn	10:14:37.078	0.3					T__						15115061	FDSN	SJ	--	BUD	iLoc	HHN	???	_
FRGS	1.12	237.6	Lg	10:14:37.554	-0.4					T__		0.1				15115062	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.12	237.6	Lg	10:14:37.600	-0.4					T__						15115063	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.20	107.5	Pg	10:14:23.068	-0.3					T__						15115064	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.20	107.5	Pg	10:14:23.388	0.0					T__						15115065	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.20	107.5	Pg	10:14:23.388	0.0					T__		0.2				15115066	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.20	107.5	Pg	10:14:23.400	0.0					T__						15115067	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.20	107.5	Sn	10:14:38.694	-0.3					T__						15115068	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.20	107.5	Sn	10:14:38.905	-0.1					T__		0.2				15115069	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.26	134.3	Pg	10:14:24.268	-0.1					T__						15115070	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.26	134.3	Pg	10:14:24.268	-0.1					T__		0.1				15115071	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.26	134.3	Sn	10:14:40.591	0.5					T__		0.1				15115072	FDSN	IR	--	ISC	iLoc	???	???	_

KUBS	1.40	164.4	Pg	10:14:26.500	-0.9	T__	---	15115073	FDSN	IR	--	ISC	iLoc	???	???	-
KUBS	1.40	164.4	Sn	10:14:44.400	0.8	T__	---	15115074	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	1.49	46.0	Pg	10:14:28.200	-1.5	T__	---	15115075	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	1.49	46.0	Pb	10:14:29.140	-0.5	T__	---	15115076	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	1.49	46.0	Pb	10:14:29.140	-0.5	T__	---	15115077	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	1.49	46.0	Sn	10:14:47.400	0.7	T__	---	15115078	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	1.49	46.0	Pn	10:14:27.870	1.6	T__	---	15115079	FDSN	RO	--	BUD	iLoc	BHZ	???	-
DRGR	1.49	46.0	Sn	10:14:47.247	0.6	T__	---	15115080	FDSN	RO	--	BUD	iLoc	BHN	???	-
TRUS	1.63	199.1	Pg	10:14:30.800	-0.4	T__	---	15115081	FDSN	IR	--	ISC	iLoc	???	???	-
TEKS	1.67	223.9	Pg	10:14:31.300	-0.7	T__	---	15115082	FDSN	IR	--	ISC	iLoc	???	???	-
TEKS	1.67	223.9	Lg	10:14:53.900	-1.0	T__	---	15115083	FDSN	IR	--	ISC	iLoc	???	???	-
MORH	1.80	285.3	Pn	10:14:31.489	1.3	T__	---	15115084	FDSN	HU	--	BUD	iLoc	BHZ	???	-
MORH	1.80	285.3	Sn	10:14:53.162	0.1	T__	---	15115085	FDSN	HU	--	BUD	iLoc	BHN	???	-
MORH	1.80	285.3	Lg	10:14:58.789	-1.9	T__	---	15115086	FDSN	IR	--	ISC	iLoc	???	???	-
MORH	1.80	285.3	Lg	10:14:58.789	-1.9	T__	---	15115087	FDSN	IR	--	ISC	iLoc	???	???	-
DIVS	1.86	206.6	Pg	10:14:35.600	-0.1	T__	---	15115088	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.87	98.9	Pg	10:14:34.708	-1.1	T__	---	15115089	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.87	98.9	Pg	10:14:34.708	-1.1	T__	---	15115090	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.87	98.9	Sn	10:14:59.563	3.4	T__	---	15115091	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	1.95	60.0	Pn	10:14:34.740	1.9	T__	---	15115092	FDSN	RO	--	BUD	iLoc	BHZ	???	-
CJR	1.95	60.0	Pg	10:14:35.987	-2.0	T__	---	15115094	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	1.95	60.0	Pg	10:14:35.987	-2.0	T__	---	15115093	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	1.95	60.0	Sn	10:15:00.340	2.0	T__	---	15115095	FDSN	IR	--	ISC	iLoc	???	???	-
KOVH	2.15	279.7	Pn	10:14:38.105	2.9	T__	---	15115096	FDSN	HU	--	BUD	iLoc	BHZ	???	-
KOVH	2.15	279.7	Sn	10:15:03.071	1.2	T__	---	15115097	FDSN	HU	--	BUD	iLoc	BHE	???	-
BOVS	2.17	169.2	Pg	10:14:38.893	-2.4	T__	---	15115098	FDSN	IR	--	ISC	iLoc	???	???	-
BOVS	2.17	169.2	Pg	10:14:38.893	-2.4	T__	---	15115099	FDSN	IR	--	ISC	iLoc	???	???	-
BOVS	2.17	169.2	Pb	10:14:39.600	-1.7	T__	---	15115100	FDSN	IR	--	ISC	iLoc	???	???	-
BOVS	2.17	169.2	Sn	10:15:05.004	3.1	T__	---	15115101	FDSN	IR	--	ISC	iLoc	???	???	-
PSZ	2.32	338.7	Pn	10:14:39.454	1.6	T__	---	15115102	FDSN	GE	--	BUD	iLoc	BHZ	???	-
VOIR	2.76	95.5	Pn	10:14:46.457	2.1	T__	---	15115103	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	2.76	95.5	Pn	10:14:46.457	2.1	T__	---	15115104	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	2.76	95.5	Sn	10:15:21.069	2.0	T__	---	15115105	FDSN	IR	--	ISC	iLoc	???	???	-
A262A	3.39	290.6	Pn	10:14:54.224	1.7	T__	---	15115106	FDSN	Z3	00	BUD	iLoc	HHZ	???	-

Date 2018/01/22 Time 10:38:52.17 Err 1.15 RMS 0.97 Latitude 47.1153 Longitude 17.9771 Smaj 6.5 Smin 4.0 Az 91 Depth 0.0S
 (locality : Királyszentistván Hungary)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 6 BUD 15115107

Sta	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	195.9	Pg	10:38:57.610	0.4					T__	---					15115109	FDSN	HU	--	BUD	iLoc	HHZ	???	-
TIH	0.22	195.9	Lg	10:39:01.099	-0.0					T__	---					15115110	FDSN	HU	--	BUD	iLoc	HHN	???	-
MPLH	0.30	280.6	Pg	10:38:59.357	0.6					T__	---					15115111	FDSN	HU	--	BUD	iLoc	BHZ	???	-
MPLH	0.30	280.6	Lg	10:39:03.994	0.1					T__	---					15115112	FDSN	HU	--	BUD	iLoc	BHE	???	-
CSKK	0.31	37.8	Pg	10:38:59.387	0.4					T__	---					15115113	FDSN	HU	--	BUD	iLoc	HHZ	???	-
CSKK	0.31	37.8	Lg	10:39:05.316	1.0					T__	---					15115114	FDSN	HU	--	BUD	iLoc	HHN	???	-
A268A	0.32	353.5	Pg	10:38:59.679	0.6					T__	---					15115115	FDSN	Z3	00	BUD	iLoc	HHZ	???	-

A268A	0.32	353.5	Lg	10:39:02.262	-2.1	T__	---	15115116	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.01	152.7	Pn	10:39:12.328	-0.2	T__	---	15115117	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.01	152.7	Lg	10:39:27.001	-0.6	T__	---	15115118	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.03	175.2	Pg	10:39:13.594	0.6	T__	---	15115119	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.03	175.2	Lg	10:39:27.596	-1.0	T__	---	15115120	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
2018/01/22	11:53:56.70	0.93	1.12	48.5402	19.3473	3.4	3.1	175	0.0S	32	16	58	0.34	1.71	m	kx	BUD	15115121	iLoc			97
(locality : Viglas Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.1	10	BUD	15115121

Sta	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	262.5	Pg	11:54:04.439	0.7					T__						15115123	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.34	262.5	Lg	11:54:08.807	-0.1					T__						15115124	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.39	217.2	Pg	11:54:05.408	0.8					T__						15115125	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.39	217.2	Lg	11:54:11.249	0.9					T__						15115126	FDSN	Z3	00	BUD	iLoc	HH3	???	_
LANS	0.62	7.4	Pg	11:54:09.737	0.9					T__						15115127	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.62	7.4	Lg	11:54:17.359	-0.6					T__						15115128	FDSN	SK	--	BUD	iLoc	EHE	???	_
A335A	0.68	262.5	Pg	11:54:11.387	1.0					T__						15115129	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.68	262.5	Lg	11:54:20.164	-0.2					T__						15115130	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.72	149.3	Pg	11:54:12.285	0.3					T__						15115131	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.72	149.3	Lg	11:54:22.378	-1.0					T__						15115132	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.72	149.3	Lg	11:54:21.700	-1.7					T__		0.1				15115133	FDSN	IR	--	ISC	iLoc	???	???	_
A270A	0.73	197.7	Pn	11:54:12.885	-0.2					T__						15115134	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.73	197.7	Lg	11:54:22.206	-0.5					T__						15115135	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	0.76	93.9	Pg	11:54:12.030	0.3					T__						15115136	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.76	93.9	Lg	11:54:22.688	-0.5					T__						15115137	FDSN	SK	--	BUD	iLoc	EHN	???	_
A338A	0.85	232.0	Lg	11:54:26.605	0.4					T__						15115138	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A331A	0.96	309.8	Lg	11:54:30.112	0.8					T__						15115139	FDSN	Z3	00	BUD	iLoc	HHN	???	_
NIE	1.08	35.2	Lg	11:54:32.000	-0.6					T__						15115140	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.09	35.5	Pn	11:54:20.871	2.4					T__						15115141	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	1.09	35.5	Lg	11:54:32.726	-0.0					T__						15115142	FDSN	PL	--	BUD	iLoc	BHE	???	_
JAVC	1.16	286.7	Pg	11:54:19.832	0.1					T__						15115143	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.16	286.7	Lg	11:54:36.520	0.1					T__						15115144	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	1.16	286.7	Lg	11:54:32.900	-3.5					T__						15115145	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.28	100.3	Pg	11:54:23.158	1.4					T__						15115146	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.28	100.3	Sn	11:54:39.554	-0.9					T__						15115147	FDSN	HU	--	BUD	iLoc	HHE	???	_
MODS	1.39	263.9	Pg	11:54:24.485	0.1					T__						15115148	FDSN	SK	--	BUD	iLoc	HHZ	???	_
OKC	1.52	329.2	Pg	11:54:26.313	0.6					T__						15115149	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
OJC	1.71	9.8	Pg	11:54:28.870	-1.4					T__						15115150	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.71	9.8	Sn	11:54:50.786	-1.1					T__						15115151	FDSN	PL	--	BUD	iLoc	BHN	???	_
MORC	1.71	316.9	Sn	11:54:50.267	-0.6					T__						15115152	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.71	316.9	Pn	11:54:27.200	0.1					T__						15115153	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.71	316.9	Sn	11:54:49.700	-1.2					T__						15115154	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
2018/01/23	08:59:39.55	0.99	0.97	48.5477	20.7930	7.5	3.5	160	0.0S	16	9	142	0.21	2.02	m	kx	BUD	15115155	iLoc			156

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

Magnitude	Err	Nsta	Author	OrigID
M	1.6	6	BUD	15115155

Sta	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	252.6	Pg	08:59:44.269	0.2					T__						15115157	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	252.6	Lg	08:59:47.292	-0.2					T__						15115158	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	252.6	Lg	08:59:48.300	0.8					T__		1.4				15115159	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.39	130.1	Pg	08:59:47.743	0.2					T__						15115160	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.39	130.1	Lg	08:59:54.552	0.2					T__						15115161	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	51.0	Pg	08:59:51.058	0.6					T__						15115162	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	51.0	Lg	08:59:58.997	-0.8					T__						15115163	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.87	224.0	Pn	08:59:58.683	0.3					T__						15115164	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	224.0	Lg	09:00:09.836	-1.6					T__						15115165	FDSN	GE	--	BUD	iLoc	BHN	???	_
MASL	0.92	59.3	Pn	08:59:59.126	-0.1					T__						15115166	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.92	59.3	Lg	09:00:12.461	0.8					T__						15115167	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	1.05	67.9	Lg	09:00:15.123	-1.4					T__						15115168	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.30	268.4	Pg	09:00:05.443	-0.0					T__						15115169	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	268.4	Sn	09:00:21.849	-1.9					T__						15115170	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	1.71	252.8	Sn	09:00:34.704	1.0					T__						15115171	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A337A	2.02	262.5	Pn	09:00:15.018	0.7					T__						15115172	FDSN	Z3	00	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	
2018/01/23	11:14:44.84	1.27	0.43	47.4226	18.7215	9.8	4.8	167	10.7F	12.5	13	8	186	0.21	1.07	m	ke	BUD	15115173	iLoc			226

Magnitude	Err	Nsta	Author	OrigID
M	2.3	7	BUD	15115173

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BUD	0.21	73.3	Pg	11:14:49.826	-0.0					T__						15115175	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BUD	0.21	73.3	Lg	11:14:53.670	-0.0					T__						15115176	FDSN	HU	--	BUD	iLoc	BHE	???	_
A269A	0.32	313.4	Lg	11:14:56.500	-0.0					T__						15115177	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.32	259.4	Pg	11:14:51.547	-0.1					T__						15115178	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.32	259.4	Lg	11:14:56.991	0.2					T__						15115179	FDSN	HU	--	BUD	iLoc	HHE	???	_
A270A	0.47	25.3	Pg	11:14:54.246	-0.4					T__						15115180	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.47	25.3	Lg	11:15:01.390	-0.3					T__						15115181	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.64	337.3	Pg	11:14:58.317	0.5					T__						15115182	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.83	299.8	Pn	11:15:00.919	-0.3					T__						15115183	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
PSZ	0.94	57.5	Pn	11:15:03.721	0.8					T__						15115184	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.94	57.5	Sn	11:15:16.490	-0.7					T__						15115185	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.07	4.1	Pn	11:15:04.848	0.1					T__						15115186	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.07	4.1	Sn	11:15:20.195	0.1					T__						15115187	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
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2018/01/23 22:18:39.33	0.21	0.49	45.6656	21.4909	1.8	1.5	39	4.7F	2.2	20	80	0.11	1.61	a	ke BUC	15102643	ISC	360	
2018/01/23 22:18:38.51	1.00	0.75	45.6859	21.4761	4.0	3.4	46	9.7F	5.6	39	12	67	0.12	4.88	m	ke BUD	15115200	iLoc	116

Magnitude	Err	Nsta	Author	OrigID
m1	1.1		BUC	15102643
ML	1.4	0.4	3 BUD	15115200

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
BZS	0.12	125.0	Pg	22:18:41.814	0.2					T__						15115202	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.12	125.0	Pg	22:18:41.814	0.2					T__		0.1				15115203	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.12	125.0	Lg	22:18:43.692	-0.3					T__		0.1				15115204	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.13	120.2	Pg	22:18:41.612	-0.2					T__	5.6	15.1			MLv	0.8	15115205	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.13	120.2	Lg	22:18:43.976	-0.3					T__						15115206	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 0.8 1																									
TIM	0.19	285.9	Pg	22:18:42.962	0.2					T__						15115207	FDSN	IR	--	ISC	iLoc	???	???	_	
TIM	0.19	285.9	Pg	22:18:42.962	0.2					T__		0.2				15115208	FDSN	IR	--	ISC	iLoc	???	???	_	
TIM	0.19	285.9	Lg	22:18:46.565	0.6					T__		0.2				15115209	FDSN	IR	--	ISC	iLoc	???	???	_	
BANR	0.39	218.4	Lg	22:18:52.370	0.2					T__						15115210	FDSN	IR	--	ISC	iLoc	???	???	_	
BANR	0.39	218.4	Lg	22:18:52.370	0.2					T__						15115211	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.46	81.2	Pg	22:18:47.895	0.2					T__						15115212	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.46	81.2	Pg	22:18:47.895	0.2					T__						15115213	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	0.46	81.2	Lg	22:18:55.026	0.6					T__						15115214	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.59	12.6	Pg	22:18:50.869	0.1					T__	2.4	3.5			MLv	1.4	15115215	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.59	12.6	Lg	22:18:58.871	-0.9					T__						15115216	FDSN	RO	--	BUD	iLoc	BHN	???	_	
SIRR	0.60	12.3	Pg	22:18:50.976	0.2					T__						15115217	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.60	12.3	Pg	22:18:50.976	0.2					T__						15115218	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.60	12.3	Lg	22:18:59.325	-0.5					T__						15115219	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.4 1																									
MDVR	0.92	169.4	Pn	22:18:55.675	-0.7					T__						15115220	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	0.92	169.4	Pn	22:18:55.675	-0.7					T__						15115221	FDSN	IR	--	ISC	iLoc	???	???	_	
MDVR	0.92	169.4	Lg	22:19:08.757	-0.8					T__						15115222	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.96	107.3	Pn	22:18:56.753	-0.1					T__	1.5	3.9			MLv	1.6	15115223	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	0.96	107.3	Pg	22:18:57.762	0.7					T__						15115224	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.96	107.3	Pg	22:18:57.762	0.7					T__						15115225	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	0.96	107.3	Lg	22:19:09.408	-1.2					T__						15115226	FDSN	RO	--	BUD	iLoc	BHE	???	_	
GZR	0.96	107.3	Lg	22:19:10.051	-0.5					T__						15115227	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.6 1																									
HERR	1.04	140.2	Pg	22:18:59.053	0.5					T__						15115228	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.04	140.2	Pg	22:18:59.053	0.5					T__						15115229	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.04	140.2	Sn	22:19:13.122	-0.2					T__						15115230	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.40	37.3	Pg	22:19:06.510	0.5					T__						15115231	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.40	37.3	Pg	22:19:06.510	0.5					T__						15115232	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.40	37.3	Sn	22:19:24.696	1.7					T__						15115233	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.40	37.3	Sn	22:19:23.470	0.4					T__						15115234	FDSN	RO	--	BUD	iLoc	BHE	???	_	
MARR	1.51	48.5	Pg	22:19:07.595	-0.5					T__						15115235	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.51	48.5	Pg	22:19:07.595	-0.5					T__						15115236	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.51	48.5	Sn	22:19:28.575	2.5					T__						15115237	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.63	97.6	Lg	22:19:31.470	-0.8					T__						15115238	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.63	97.6	Lg	22:19:31.470	-0.8					T__						15115239	FDSN	IR	--	ISC	iLoc	???	???	_	
MORC	4.88	328.5	Pg	22:20:12.300	-0.9					T__						15115240	FDSN	IR	--	ISC	iLoc	???	???	_	
MORC	4.88	328.5	Sn	22:20:20.800	-27.2					---						15115241	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
2018/01/24	08:48:07.46	1.25	0.79	48.6449	20.6925	10.9	4.1	147	0.0S	10	6	159	0.21	1.24	m	kx	BUD	15115188	iLoc		202	
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	5	BUD	15115188

Sta	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	220.4	Pg	08:48:12.401	0.5					T__						15115190	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	220.4	Lg	08:48:15.672	0.4					T__						15115191	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	220.4	Lg	08:48:15.900	0.6					T__		0.7				15115192	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.50	133.6	Pg	08:48:18.310	0.7					T__						15115193	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	62.9	Pg	08:48:19.382	1.0					T__						15115194	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	62.9	Lg	08:48:27.041	-0.8					T__						15115195	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.90	216.6	Pn	08:48:25.771	-0.9					T__						15115196	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	216.6	Lg	08:48:39.811	-0.6					T__						15115197	FDSN	GE	--	BUD	iLoc	BHN	???	_
MASL	0.94	66.4	Lg	08:48:39.992	-0.1					T__						15115198	FDSN	SK	--	BUD	iLoc	EHE	???	_
VYHS	1.24	263.7	Pg	08:48:32.805	0.6					T__						15115199	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	
2018/01/25	10:25:31.88	1.11	1.54	47.2172	18.3412	7.0	4.9	82	0.0S	10	6	112	0.16	1.32	m	kx	BUD	15115259	iLoc			153	
2018/01/25	10:25:32.33f		1.59	47.2302	18.2835f				0.0S	10		108	0.13	1.32	m	kx	BUD_GT	15134903	BUD			166	
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Iszkaszentgyörgy Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.2	3 BUD	15115259
ML	1.6	0.2	3 BUD	15134903

Sta	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	10:25:36.099	0.5					T__		331.1			MLv	15137308	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	10:25:38.293	-0.1					T__						15137309	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:25:43.517	0.6					T__		5.8			MLv	15137310	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	10:25:52.817	1.9					T__						15137311	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Pg	10:25:53.346	0.1					T__		2.2			MLv	15137312	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	10:26:06.953	-1.9					T__						15137313	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.05	166.2	Pg	10:25:53.600	0.4					T__						15137314	FDSN	IR	--	ISC	BUD	???	???	_
KOVH	1.15	186.4	Sn	10:26:08.337	-4.1					T__						15137315	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Sn	10:26:16.812	0.7					T__						15137316	FDSN	GE	--	BUD	BUD	BHE	???	_
VYHS	1.32	16.2	Sn	10:26:16.739	0.5					T__						15137317	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	
2018/01/25	11:09:49.08	1.06	0.77	46.8479	17.3885	4.5	4.0	101	0.0S	17	10	85	0.19	1.07	m	sx	BUD	15115295	iLoc			107	
(description : suspected quarry blast)																							

Magnitude Err Nsta Author OrigID
M 1.9 7 BUD 15115295

Sta	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	302.4	Pg	11:09:54.014	0.4					T__						15115297	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.19	302.4	Lg	11:09:57.418	0.2					T__						15115298	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A263A	0.21	193.8	Pg	11:09:54.249	0.3					T__						15115299	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.21	193.8	Lg	11:09:56.818	-1.0					T__						15115300	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.34	17.7	Pg	11:09:57.405	1.0					T__						15115301	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.34	17.7	Lg	11:10:01.802	-0.2					T__						15115302	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	0.57	228.4	Pg	11:10:02.148	1.2					T__						15115303	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.57	228.4	Lg	11:10:10.042	0.2					T__						15115304	FDSN	HU	--	BUD	iLoc	BHE	???	_
A262A	0.59	271.9	Lg	11:10:10.691	0.6					T__						15115305	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOGS	0.88	243.4	Pg	11:10:06.545	-0.1					T__						15115306	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.88	243.4	Lg	11:10:19.251	-0.3					T__						15115307	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOVH	0.91	146.8	Pn	11:10:07.826	-0.5					T__						15115308	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.91	146.8	Lg	11:10:21.225	-0.1					T__						15115309	FDSN	HU	--	BUD	iLoc	BHE	???	_
SOP	1.01	326.2	Lg	11:10:23.613	-0.7					T__						15115310	FDSN	HU	--	BUD	iLoc	BHE	???	_
A269A	1.04	40.2	Lg	11:10:24.518	-1.2					T__						15115311	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.07	125.6	Pg	11:10:11.877	1.3					T__						15115312	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.07	125.6	Sn	11:10:26.799	-0.5					T__						15115313	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
2018/01/26 11:40:07.96 1.17 1.08 48.4945 20.8095 9.5 4.3 153 0.0S 9 5 139 0.22 0.94 m kx BUD 15115284 iLoc 179
(description : known quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
M 1.4 4 BUD 15115284

Sta	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	267.1	Pg	11:40:12.371	-0.1					T__						15115286	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	267.1	Lg	11:40:16.429	0.5					T__						15115287	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.35	124.5	Pg	11:40:15.447	0.2					T__						15115288	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.59	46.4	Pg	11:40:19.328	-0.0					T__						15115289	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.59	46.4	Lg	11:40:27.435	-1.8					T__						15115290	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.84	227.1	Pg	11:40:25.863	0.2					T__						15115291	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.84	227.1	Lg	11:40:37.096	-1.7					T__						15115292	FDSN	GE	--	BUD	iLoc	BHN	???	_
MASL	0.94	56.1	Pn	11:40:28.682	0.8					T__						15115293	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.94	56.1	Lg	11:40:40.531	-0.2					T__						15115294	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
2018/01/26 14:24:45.80 0.56 0.51 46.2260 16.0999 3.8 1.7 91 0.0F 0.0 21 4 0.86 1.11 a sx VIE 15102809 ISC 360
2018/01/26 14:24:46.52 1.16 0.80 46.1885 16.0337 6.7 3.9 106 0.0A 18 8 159 0.28 1.12 m ke BUD 15115314 iLoc 198

Magnitude Err Nsta Author OrigID
mb 1.6 VIE 15102809
ml 1.8 VIE 15102809

M 2.0 6 BUD 15115314

Sta	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	189.2	Pg	14:24:52.374	-0.1					T__						15115316	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.28	189.2	Lg	14:24:56.356	-0.7					T__						15115317	FDSN	CR	--	BUD	iLoc	BHE	???	_
KOGS	0.30	29.9	Pg	14:24:52.651	-0.3					T__						15115318	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.30	29.9	Lg	14:24:58.502	0.7					T__						15115319	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.54	228.2	Pg	14:24:57.013	-0.1					T__						15115320	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.54	228.2	Lg	14:25:05.392	-0.0					T__						15115321	FDSN	SL	--	BUD	iLoc	BHE	???	_
AO21A	0.59	345.9	Pg	14:24:58.653	0.7					T__						15115322	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
SOKA	0.85	305.6	Pg	14:25:02.731	-0.1					T__		0.8	0.16	---		15115323	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.85	305.6	Lg	14:25:15.596	0.8					T__		2.3	0.22	---		15115324	FDSN	IR	--	ISC	iLoc	???	???	_
AO10A	0.89	2.0	Lg	14:25:16.315	-0.5					T__						15115325	FDSN	Z3	00	BUD	iLoc	HHN	???	_
OBKA	1.08	287.9	Pg	14:25:06.917	-0.1					T__		0.6	0.14	---		15115326	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.08	287.9	Lg	14:25:22.706	0.1					T__		4.0	0.40	---		15115327	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.08	287.9	Pn	14:25:08.727	0.4					T__						15115328	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.08	287.9	Sn	14:25:24.815	-0.6					T__						15115329	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.12	341.9	Pn	14:25:09.650	1.0					T__						15115330	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.12	341.9	Sn	14:25:25.680	-0.2					T__						15115331	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.12	341.9	Pg	14:25:07.451	-0.8					T__		1.3	0.28	---		15115332	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.12	341.9	Lg	14:25:21.948	-2.2					T__		2.3	0.30	---		15115333	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
2018/01/27	09:43:31.42	1.16	0.65	46.1212	17.0686	8.2	4.5	24	12.4F	9.8	14	9	114	0.16	1.16	m	ke BUD	15115334	iLoc			163

Magnitude Err Nsta Author OrigID
M 1.7 6 BUD 15115334

Sta	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	0.16	75.8	Pg	09:43:35.268	-0.3					T__						15115336	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.16	75.8	Lg	09:43:39.095	0.4					T__						15115337	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BEHE	0.40	329.9	Lg	09:43:45.794	-0.5					T__						15115338	FDSN	HU	--	BUD	iLoc	BHE	???	_
A263A	0.55	18.1	Pg	09:43:43.031	0.4					T__						15115339	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KOGS	0.66	300.3	Pg	09:43:44.652	0.1					T__						15115340	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.66	300.3	Lg	09:43:54.727	0.8					T__						15115341	FDSN	SL	--	BUD	iLoc	BHE	???	_
KOVH	0.72	92.3	Pg	09:43:46.262	0.2					T__						15115342	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.72	92.3	Lg	09:43:56.796	0.4					T__						15115343	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.88	141.2	Pn	09:43:48.477	-0.3					T__						15115344	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A252A	0.88	141.2	Lg	09:44:00.476	-0.7					T__						15115345	FDSN	Z3	--	BUD	iLoc	BHN	???	_
MPLH	1.10	17.0	Sn	09:44:06.421	-1.2					T__						15115346	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.10	84.5	Pg	09:43:53.723	0.5					T__						15115347	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.10	84.5	Sn	09:44:07.945	0.6					T__						15115348	FDSN	HU	--	BUD	iLoc	BHE	???	_
CRES	1.16	255.9	Sn	09:44:10.022	0.4					T__						15115349	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
2018/01/27	10:20:26.16	1.41	1.47	46.1430	18.3038	7.0	5.0	156	0.0S		8	4	131	0.15	0.78	m	kx BUD	15115350	iLoc			255
2018/01/27	10:20:26.10f		1.12	46.1765	18.2926f				0.0S		8		134	0.16	0.80	m	kx BUD_GT	15136860	BUD			257

(description : known quarry blast)

(locality : Komló-II Hungary)
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
M 1.2 4 BUD 15136860

Sta	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	10:20:29.834	-0.1					T__						15137318	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.16	236.7	Lg	10:20:32.500	-0.6					T__						15137319	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	10:20:31.877	0.3					T__						15137320	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.25	80.7	Lg	10:20:35.616	-0.3					T__						15137321	FDSN	HU	--	BUD	BUD	BHN	???	_
A265A	0.42	305.9	Pg	10:20:37.634	2.5					T__						15137322	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A265A	0.42	305.9	Lg	10:20:40.453	-1.6					T__						15137323	FDSN	Z3	00	BUD	BUD	HHE	???	_
A252A	0.80	202.9	Pg	10:20:42.309	-0.1					T__						15137324	FDSN	Z3	--	BUD	BUD	BHE	???	_
A252A	0.80	202.9	Lg	10:20:53.825	-0.8					T__						15137325	FDSN	Z3	--	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
2018/01/27	16:10:58.37	1.07	1.83	46.0771	16.9814	5.0	3.1	176	9.9F	10.7	29	17	114	0.23	3.24	m	ke BUD	15115432	iLoc			161

Magnitude Err Nsta Author OrigID
M 2.1 8 BUD 15115432

Sta	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	0.23	68.8	Pg	16:11:03.838	0.3					T__						15115434	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.23	68.8	Lg	16:11:07.688	0.2					T__						15115435	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KALN	0.37	278.6	Pg	16:11:07.590	1.3					T__						15115436	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.37	278.6	Lg	16:11:09.660	-2.6					T__						15115437	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.63	306.5	Pg	16:11:13.306	2.4					T__						15115438	FDSN	SL	--	BUD	iLoc	BHE	???	_
KOGS	0.63	306.5	Lg	16:11:21.155	1.0					T__						15115439	FDSN	SL	--	BUD	iLoc	BHE	???	_
LOB0	0.64	277.3	Pg	16:11:12.230	1.0					T__						15115440	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.64	277.3	Lg	16:11:15.590	-5.2					T__						15115441	FDSN	IR	--	ISC	iLoc	???	???	_
A265A	0.66	58.1	Pn	16:11:12.868	-0.1					T__						15115442	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.66	58.1	Lg	16:11:21.203	-0.4					T__						15115443	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PTJ	0.73	256.8	Pn	16:11:14.742	0.8					T__						15115444	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.73	256.8	Sn	16:11:25.330	-1.1					T__						15115445	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.73	256.8	Lg	16:11:20.100	-4.0					T__						15115446	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.74	250.5	Sn	16:11:27.697	0.9					T__						15115447	FDSN	CR	--	BUD	iLoc	BHE	???	_
KOVH	0.78	88.8	Pn	16:11:14.542	-0.0					T__						15115448	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.78	88.8	Lg	16:11:23.396	-2.0					T__						15115449	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.88	136.3	Pg	16:11:17.032	0.8					T__						15115450	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.88	136.3	Lg	16:11:29.080	0.5					T__						15115451	FDSN	Z3	--	BUD	iLoc	BHN	???	_
TIH	1.03	36.9	Pg	16:11:19.074	0.2					T__						15115452	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	1.03	36.9	Lg	16:11:30.873	-2.6					T__						15115453	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRES	1.09	257.3	Pg	16:11:21.805	2.2					T__						15115454	FDSN	SL	--	BUD	iLoc	BHZ	???	_
MPLH	1.16	19.2	Pg	16:11:21.535	0.3					T__						15115455	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.16	19.2	Lg	16:11:36.253	-1.1					T__						15115456	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.16	82.6	Pn	16:11:19.653	-0.1					T__						15115457	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.16	82.6	Sn	16:11:35.806	-0.7					T__						15115458	FDSN	HU	--	BUD	iLoc	BHN	???	_
EGYH	1.36	10.1	Lg	16:11:44.836	1.0					T__						15115459	FDSN	HU	--	BUD	iLoc	HHN	???	_
ARSA	1.54	320.0	Lg	16:11:47.619	-1.5					T__						15115460	FDSN	OE	--	BUD	iLoc	BHN	???	_
KRUC	3.01	352.6	Pn	16:11:45.900	0.3					T__						15115461	FDSN	IR	--	ISC	iLoc	???	???	_

VRAC 3.24 355.5 Pn 16:11:48.800 -0.1 T__ --- 15115462 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
2018/01/29	01:16:16.20		0.60	46.4450	16.1530				8.4A							a	ke LJU	15102845	ISC			360
2018/01/29	01:16:16.37	0.31	0.22	46.4664	16.1525	2.5	1.3	96	6.8F	3.7	26		2	0.80	1.24	a	ke VIE	15102848	ISC			360
2018/01/29	01:16:16.06	0.95	0.74	46.4279	16.1771	2.9	2.7	113	8.1F	5.0	59	26	48	0.05	1.38	m	ke BUD	15115360	iLoc			91

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.1		LJU	15102845
mb	1.2		VIE	15102848
ml	1.5		VIE	15102848
M	1.8	10	BUD	15115360

Sta	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	0.05	68.1	Pg	01:16:18.053	-0.0					T__						15115362	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.05	68.2	Pg	01:16:18.190	0.1					T__						15115364	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.05	68.1	Lg	01:16:19.749	0.1					T__						15115363	FDSN	SL	--	BUD	iLoc	BHE	???	_
KOGS	0.05	68.2	IAML	01:16:20.000	-99.0					---		117.0	0.06			15115365	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.28	195.4	Pg	01:16:22.140	0.1					T__						15115366	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.28	195.4	Lg	01:16:25.020	-1.6					T__						15115367	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.35	146.8	Pg	01:16:23.160	-0.5					T__						15115368	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.35	146.8	Lg	01:16:27.430	-1.9					T__						15115369	FDSN	IR	--	ISC	iLoc	???	???	_
AO21A	0.41	323.7	Pg	01:16:24.371	0.2					T__						15115370	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO21A	0.41	323.7	Lg	01:16:31.019	1.1					T__						15115371	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BEHE	0.42	83.9	Pg	01:16:24.492	-0.2					T__						15115372	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.42	83.9	Lg	01:16:31.417	0.2					T__						15115373	FDSN	HU	--	BUD	iLoc	BHN	???	_
GROS	0.47	274.3	Pg	01:16:25.430	0.0					T__						15115374	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.47	274.3	Lg	01:16:31.880	-0.5					T__						15115375	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.47	274.3	IAML	01:16:35.470	-99.0					---		4.2	0.04			15115376	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.50	28.8	Pg	01:16:26.840	0.7					T__						15115377	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.50	28.8	Lg	01:16:33.329	-0.2					T__						15115378	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PTJ	0.54	195.7	Pg	01:16:27.643	0.8					T__						15115379	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.54	195.7	Lg	01:16:34.775	-0.3					T__						15115380	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.54	195.7	Pg	01:16:27.230	0.1					T__						15115381	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.54	195.7	Lg	01:16:33.520	-2.2					T__						15115382	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.56	240.7	Pg	01:16:27.480	0.4					T__						15115383	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.56	240.7	Lg	01:16:35.820	0.2					T__						15115384	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.56	240.7	IAML	01:16:36.250	-99.0					---		4.0	0.11			15115385	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.57	222.8	Pg	01:16:27.670	0.3					T__						15115386	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.57	222.8	Lg	01:16:35.660	-0.4					T__						15115387	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.57	222.8	IAML	01:16:37.520	-99.0					---		4.9	0.14			15115388	FDSN	IR	--	ISC	iLoc	???	???	_
AO10A	0.65	354.1	Pg	01:16:28.992	0.1					T__						15115389	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO10A	0.65	354.1	Lg	01:16:37.878	-0.3					T__						15115390	FDSN	Z3	00	BUD	iLoc	HHE	???	_
GCIS	0.68	214.5	Pg	01:16:30.800	1.4					T__						15115391	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.68	214.5	Lg	01:16:39.210	-0.4					T__						15115392	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.68	214.5	IAML	01:16:43.280	-99.0					---		2.1	0.15			15115393	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	0.76	286.3	Pg	01:16:30.120	-0.6					T__						15115394	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	0.76	286.3	Lg	01:16:39.790	-1.7					T__						15115395	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	0.76	286.3	IAML	01:16:45.130	-99.0					---		6.6	0.15			15115396	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.77	231.6	Pg	01:16:31.210	0.3					T__						15115397	FDSN	IR	--	ISC	iLoc	???	???	_

LEGS	0.77	231.6	Lg	01:16:41.220	-1.0	T__	---	---	15115398	FDSN	IR	--	ISC	iLoc	???	???	_	
CRES	0.78	220.0	Pg	01:16:32.317	1.0	T__	---	---	15115399	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
CRES	0.78	220.0	Lg	01:16:42.461	-0.5	T__	---	---	15115400	FDSN	SL	--	BUD	iLoc	BHE	???	_	
CRES	0.78	220.0	Pg	01:16:31.970	0.6	T__	---	---	15115401	FDSN	IR	--	ISC	iLoc	???	???	_	
CRES	0.78	220.0	IAML	01:16:45.530	-99.0	---	0.6	0.08	---	15115402	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.80	270.9	Pg	01:16:31.500	0.1	T__	---	---	15115403	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAVS	0.80	270.9	Lg	01:16:42.260	-0.7	T__	---	---	15115404	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAVS	0.80	270.9	IAML	01:16:45.450	-99.0	---	5.7	0.14	---	15115405	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.83	288.0	Pg	01:16:31.893	-0.1	T__	0.4	0.06	---	15115406	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.83	288.0	Lg	01:16:43.137	-0.7	T__	0.3	0.12	---	15115407	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.94	331.6	Pg	01:16:34.186	-0.1	T__	---	---	15115408	FDSN	OE	--	BUD	iLoc	BHZ	???	_	
ARSA	0.94	331.6	Sn	01:16:48.174	-0.8	T__	---	---	15115409	FDSN	OE	--	BUD	iLoc	BHE	???	_	
ARSA	0.94	331.6	Pg	01:16:33.426	-0.9	T__	0.1	0.06	---	15115410	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.94	331.6	Lg	01:16:46.180	-1.3	T__	0.3	0.10	---	15115411	FDSN	IR	--	ISC	iLoc	???	???	_
A265A	1.12	89.6	Pn	01:16:38.172	0.9	T__	---	---	15115412	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A265A	1.12	89.6	Sn	01:16:53.864	0.2	T__	---	---	15115413	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
VISS	1.12	236.6	Pn	01:16:37.400	0.2	T__	---	---	15115414	FDSN	IR	--	ISC	iLoc	???	???	_	
BOJS	1.13	215.3	Pn	01:16:37.570	0.2	T__	---	---	15115415	FDSN	IR	--	ISC	iLoc	???	???	_	
BOJS	1.13	215.3	Lg	01:16:53.450	-0.1	T__	---	---	15115416	FDSN	IR	--	ISC	iLoc	???	???	_	
BOJS	1.13	215.3	IAML	01:16:55.570	-99.0	---	0.5	0.15	---	15115417	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.13	274.7	Pn	01:16:37.787	0.4	T__	---	---	15115418	FDSN	OE	--	BUD	iLoc	BHZ	???	_	
OBKA	1.13	274.7	Lg	01:16:53.263	-0.2	T__	---	---	15115419	FDSN	OE	--	BUD	iLoc	BHE	???	_	
OBKA	1.13	274.7	Pg	01:16:37.537	-0.1	T__	0.2	0.20	---	15115420	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.13	274.7	Lg	01:16:52.913	-0.5	T__	1.1	0.34	---	15115421	FDSN	IR	--	ISC	iLoc	???	???	_
MOZS	1.21	264.3	Pg	01:16:39.090	0.1	T__	---	---	15115422	FDSN	IR	--	ISC	iLoc	???	???	_	
MOZS	1.21	264.3	Lg	01:16:55.810	-0.0	T__	---	---	15115423	FDSN	IR	--	ISC	iLoc	???	???	_	
MOZS	1.21	264.3	IAML	01:16:59.250	-99.0	---	0.8	0.11	---	15115424	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.28	3.6	Pn	01:16:39.906	0.4	T__	0.3	0.12	---	15115425	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.28	3.6	Sn	01:16:57.076	-0.6	T__	0.1	0.06	---	15115426	FDSN	IR	--	ISC	iLoc	???	???	_
CRNS	1.37	256.1	Pg	01:16:42.090	0.3	T__	---	---	15115427	FDSN	IR	--	ISC	iLoc	???	???	_	
CRNS	1.37	256.1	Sn	01:17:00.650	0.4	T__	---	---	15115428	FDSN	IR	--	ISC	iLoc	???	???	_	
CRNS	1.37	256.1	IAML	01:17:04.550	-99.0	---	1.4	0.17	---	15115429	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.38	103.6	Pg	01:16:42.842	-0.5	T__	---	---	15115430	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
KOVH	1.38	103.6	Sn	01:17:00.880	1.0	T__	---	---	15115431	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
2018/01/29 08:41:00.42 1.11 0.99 47.1110 18.0503 7.0 4.6 93 0.0S 11 6 125 0.24 1.02 m sx BUD 15115463 iLoc 170
(description : suspected quarry blast)
(locality : Litér Hungary)

Magnitude Err Nsta Author OrigID
M 1.6 4 BUD 15115463

Sta	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	207.9	Lg	08:41:10.189	0.3	T__	---	---	---	---	---	---	---	---	---	15115465	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.29	29.5	Pg	08:41:06.968	0.2	T__	---	---	---	---	---	---	---	---	---	15115466	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.29	29.5	Lg	08:41:12.614	0.9	T__	---	---	---	---	---	---	---	---	---	15115467	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.33	345.0	Lg	08:41:11.291	-1.8	T__	---	---	---	---	---	---	---	---	---	15115468	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.35	279.8	Pg	08:41:08.917	0.9	T__	---	---	---	---	---	---	---	---	---	15115469	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.35	279.8	Lg	08:41:12.909	-0.9	T__	---	---	---	---	---	---	---	---	---	15115470	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.98	155.2	Pn	08:41:20.855	0.4	T__	---	---	---	---	---	---	---	---	---	15115471	FDSN	HU	--	BUD	iLoc	BHZ	???	_

MORH	0.98	155.2	Sn	08:41:35.633	-0.6	T__	---	15115472	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.02	178.1	Pg	08:41:21.260	0.1	T__	---	15115473	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.02	178.1	Lg	08:41:35.600	-1.0	T__	---	15115474	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.02	178.1	Lg	08:41:36.006	-0.6	T__	---	15115475	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
 2018/01/29 10:35:19.64 0.98 0.80 48.5822 20.7555 6.7 3.7 158 0.0S 17 10 89 0.20 1.28 m kx BUD 15115476 iLoc 114
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 7 BUD 15115476

Sta	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	241.2	Pg	10:35:24.253	0.3					T__	---					15115478	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	241.2	Lg	10:35:28.340	1.1					T__	---					15115479	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.43	131.4	Pg	10:35:29.216	0.8					T__	---					15115480	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	55.3	Pg	10:35:31.156	0.6					T__	---					15115481	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	55.3	Lg	10:35:39.173	-0.7					T__	---					15115482	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	221.2	Pg	10:35:38.185	0.0					T__	---					15115483	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	221.2	Lg	10:35:51.570	-0.2					T__	---					15115484	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.89	20.9	Pn	10:35:38.473	-0.4					T__	---					15115485	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.93	61.9	Pn	10:35:39.940	0.6					T__	---					15115486	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.93	61.9	Lg	10:35:52.768	0.9					T__	---					15115487	FDSN	SK	--	BUD	iLoc	EHE	???	_
LANS	1.02	304.3	Pg	10:35:40.032	0.3					T__	---					15115488	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.22	254.0	Pg	10:35:44.203	0.1					T__	---					15115489	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.22	254.0	Sn	10:36:01.696	0.2					T__	---					15115490	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.27	110.1	Pn	10:35:44.152	-0.1					T__	---					15115491	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.27	110.1	Sn	10:36:01.571	-2.1					T__	---					15115492	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.28	266.8	Pg	10:35:44.962	-0.2					T__	---					15115493	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.8	Sn	10:36:02.723	-0.5					T__	---					15115494	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
 2018/01/30 04:43:54.85 1.11 0.84 46.1487 16.5301 9.0 4.6 150 14.1F 15.8 13 7 111 0.36 1.17 m ke BUD 15115495 iLoc 145

Magnitude Err Nsta Author OrigID
 M 1.6 7 BUD 15115495

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KOGS	0.36	327.2	Pg	04:44:02.473	0.1					T__	---					15115497	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.36	327.2	Lg	04:44:07.839	-0.1					T__	---					15115498	FDSN	SL	--	BUD	iLoc	BHE	???	_
BEHE	0.36	27.8	Pg	04:44:02.542	-0.2					T__	---					15115499	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.36	27.8	Lg	04:44:08.116	-0.4					T__	---					15115500	FDSN	HU	--	BUD	iLoc	BHE	???	_
PTJ	0.46	238.5	Pg	04:44:04.204	-0.1					T__	---					15115501	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.46	238.5	Lg	04:44:10.147	-1.1					T__	---					15115502	FDSN	CR	--	BUD	iLoc	BHE	???	_
A264A	0.53	88.5	Pg	04:44:05.913	0.1					T__	---					15115503	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CRES	0.81	247.1	Pg	04:44:10.990	0.2					T__	---					15115504	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.81	247.1	Lg	04:44:22.969	0.6					T__	---					15115505	FDSN	SL	--	BUD	iLoc	BHE	???	_

KOVH	1.09	92.6	Pg	04:44:16.933	0.2	T__	---	15115506	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.09	92.6	Sn	04:44:30.552	-0.2	T__	---	15115507	FDSN	HU	--	BUD	iLoc	BHE	???	_
A252A	1.17	127.2	Pn	04:44:17.262	1.0	T__	---	15115508	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.17	127.2	Sn	04:44:30.907	-1.8	T__	---	15115509	FDSN	Z3	--	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
2018/01/30	16:15:55.38	0.66	0.66	46.2300	16.4503	5.4	3.0	87	12.0F	2.5	18	2	1.07	2.20	a	ke	VIE	15103015	ISC			360
2018/01/30	16:15:53.96	1.00	0.92	46.1612	16.5461	3.2	2.9	125	7.3F	6.0	45	22	36	0.07	2.30	m	ke	BUD	15115525	iLoc		71

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.3		VIE	15103015
ml	1.9		VIE	15103015
M	2.0	12	BUD	15115525

Sta	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	0.07	244.5	Pg	16:15:56.380	0.1					T__						15115527	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.07	244.5	Lg	16:15:57.490	-0.7					T__						15115528	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.33	269.1	Pg	16:16:00.750	-0.1					T__						15115529	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.33	269.1	Lg	16:16:05.680	-0.4					T__						15115530	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.35	27.1	Pg	16:16:01.995	0.7					T__						15115531	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.35	27.1	Lg	16:16:07.507	0.7					T__						15115532	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOGS	0.35	324.6	Pg	16:16:01.426	0.2					T__						15115533	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.35	324.6	Lg	16:16:06.279	-0.3					T__						15115534	FDSN	SL	--	BUD	iLoc	BHE	???	_
PTJ	0.48	238.0	Pg	16:16:04.120	0.6					T__						15115535	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.48	238.0	Lg	16:16:10.914	0.2					T__						15115536	FDSN	CR	--	BUD	iLoc	BHE	???	_
MOSL	0.57	165.0	Pg	16:16:05.870	0.4					T__						15115537	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.57	165.0	Lg	16:16:13.520	-0.6					T__						15115538	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.70	359.0	Pg	16:16:07.214	-0.8					T__						15115539	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.70	359.0	Lg	16:16:18.655	0.4					T__						15115540	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A263A	0.72	47.7	Pg	16:16:08.884	0.5					T__						15115541	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.72	47.7	Lg	16:16:19.302	0.2					T__						15115542	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A021A	0.78	320.3	Pn	16:16:10.647	0.3					T__						15115543	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.78	320.3	Sn	16:16:21.838	-1.2					T__						15115544	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CRES	0.83	246.6	Pg	16:16:10.722	0.6					T__						15115545	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.83	246.6	Lg	16:16:23.660	1.2					T__						15115546	FDSN	SL	--	BUD	iLoc	BHN	???	_
A261A	0.89	27.5	Pn	16:16:12.317	0.1					T__						15115547	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.89	27.5	Lg	16:16:25.275	0.4					T__						15115548	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A265A	0.91	72.6	Pn	16:16:13.070	0.8					T__						15115549	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.91	72.6	Lg	16:16:25.980	0.8					T__						15115550	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A010A	0.97	340.7	Pn	16:16:14.063	1.0					T__						15115551	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.97	340.7	Lg	16:16:26.204	-0.4					T__						15115552	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A254A	0.99	211.8	Pg	16:16:14.030	0.8					T__						15115553	FDSN	IR	--	ISC	iLoc	???	???	_
A254A	0.99	211.8	Lg	16:16:27.170	-0.4					T__						15115554	FDSN	IR	--	ISC	iLoc	???	???	_
A251A	1.05	190.9	Pg	16:16:14.700	0.6					T__						15115555	FDSN	IR	--	ISC	iLoc	???	???	_
A251A	1.05	190.9	Lg	16:16:28.490	-0.6					T__						15115556	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.08	93.3	Pn	16:16:14.495	-0.3					T__						15115557	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.08	93.3	Sn	16:16:29.272	-1.7					T__						15115558	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	1.16	128.1	Pn	16:16:17.408	1.3					T__						15115559	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.16	128.1	Sn	16:16:30.131	-3.0					T__						15115560	FDSN	Z3	--	BUD	iLoc	BHE	???	_
SOKA	1.17	296.8	Pn	16:16:16.256	0.3					T__		0.6	0.14			15115561	FDSN	IR	--	ISC	iLoc	???	???	_

SOKA	1.17	296.8	Lg	16:16:31.432	-1.3	T__	7.6	0.48	---	15115562	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.30	327.5	Pg	16:16:19.532	0.4	T__			---	15115563	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.30	327.5	Sn	16:16:34.951	-0.9	T__			---	15115564	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.30	327.5	Pn	16:16:18.413	0.8	T__	0.2	0.10	---	15115565	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.30	327.5	Sn	16:16:34.821	-1.1	T__	0.7	0.08	---	15115566	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.43	284.8	Sn	16:16:40.071	0.5	T__	2.9	0.26	---	15115567	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.43	284.8	Sn	16:16:40.415	0.9	T__			---	15115568	FDSN	OE	--	BUD	iLoc	BHN	???	_
MORH	1.46	87.1	Pg	16:16:23.169	0.5	T__			---	15115569	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MOA	2.30	318.1	Pn	16:16:32.594	0.9	T__	0.1	0.08	---	15115570	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.30	318.1	Sn	16:16:59.115	-1.8	T__	1.6	0.16	---	15115571	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
 2018/01/31 08:03:26.03 3.06 1.00 47.4075 18.0435 22.3 9.4 83 0.0S 5 3 243 0.15 1.26 m kx BUD 15115510 iLoc 305
 (description : known quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 MLv 2.3 0.5 2 BUD 15115510

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.15	106.6	Pg	08:03:30.573	0.9				T__		29.7	769.0		---	MLv	2.6	15115512	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.15	106.6	Lg	08:03:32.044	-0.6				T__					---		15115513	FDSN	HU	--	BUD	iLoc	HNN	???	_	
A269A	0.33	44.7	Pg	08:03:33.436	0.4				T__		3.8	58.9		---	MLv	2.0	15115514	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A269A	0.33	44.7	Lg	08:03:37.815	-0.5				T__					---		15115515	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
MORH	1.26	160.7	Sn	08:04:07.982	-0.6				T__					---		15115516	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
 2018/01/31 09:11:54.17 1.49 0.62 47.1230 18.1081 8.2 5.5 122 6.0F 28.2 8 4 134 0.26 0.98 m ke BUD 15115572 iLoc 240

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15115572

Sta	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	0.26	23.3	Pg	09:11:59.420	-0.3				T__					---		15115574	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.26	23.3	Lg	09:12:04.134	0.2				T__					---		15115575	FDSN	HU	--	BUD	iLoc	HHE	???	_
TIH	0.27	214.1	Pg	09:11:59.285	-0.6				T__					---		15115576	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.27	214.1	Lg	09:12:04.382	0.2				T__					---		15115577	FDSN	HU	--	BUD	iLoc	HNN	???	_
MPLH	0.39	277.1	Pg	09:12:01.808	-0.4				T__					---		15115578	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.39	277.1	Lg	09:12:09.067	0.9				T__					---		15115579	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.98	157.7	Pg	09:12:13.812	0.2				T__					---		15115580	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.98	157.7	Lg	09:12:27.708	0.0				T__					---		15115581	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
 2018/01/31 10:20:20.28 1.35 1.13 48.0840 20.7008 9.1 5.4 148 5.0A 7 4 141 0.42 0.84 m ke BUD 15115582 iLoc 220

Magnitude Err Nsta Author OrigID

ML 1.6 0.3 3 BUD 15115582

Sta	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	0.42	59.3	Pg	10:20:28.736	0.1					T__	2.3	8.2		---	MLv	1.4	15115584	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
ABAH	0.42	59.3	Lg	10:20:35.167	-0.4					T__				---		15115585	FDSN	HU	--	BUD	iLoc	HHE	???	_		
(Station ML : 1.4 1																										
KECS	0.42	340.3	Pg	10:20:28.881	0.1					T__	5.1	20.6		---	MLv	1.8	15115586	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_	
KECS	0.42	340.3	Lg	10:20:35.457	0.2					T__				---		15115587	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 1.8 1																										
PSZ	0.57	253.3	Pg	10:20:33.311	1.0					T__	1.8	6.2		---	MLv	1.6	15115588	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.57	253.3	Lg	10:20:39.337	-2.0					T__				---		15115589	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.6 1																										
BSZH	0.84	200.6	Sn	10:20:51.671	0.3					T__				---		15115590	FDSN	HU	--	BUD	iLoc	HHN	???	_		

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/01/31	10:36:52.36	1.04	0.78	48.5620	20.7310	5.9	4.0	166	0.0S		15	8	93	0.18	1.83	m	kx BUD	15115604	iLoc			160

(description : known quarry blast)

(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15115604

Sta	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	244.3	Pg	10:36:56.854	0.7					T__				---		15115606	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.18	244.3	Lg	10:36:59.661	0.5					T__				---		15115607	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.18	244.3	Lg	10:37:00.600	1.4					T__		2.8		---		15115608	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.43	128.0	Pg	10:37:01.637	0.5					T__				---		15115609	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	128.0	Lg	10:37:07.342	-1.2					T__				---		15115610	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.85	221.3	Pn	10:37:10.874	-0.0					T__				---		15115611	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.85	221.3	Lg	10:37:23.711	0.1					T__				---		15115612	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.92	21.3	Pg	10:37:10.123	0.8					T__				---		15115613	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.95	61.2	Pn	10:37:12.438	0.1					T__				---		15115614	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MASL	0.95	61.2	Lg	10:37:25.895	0.5					T__				---		15115615	FDSN	SK	--	BUD	iLoc	EHE	???	_
LANS	1.02	305.7	Pg	10:37:12.617	0.2					T__				---		15115616	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.02	305.7	Lg	10:37:26.496	-0.9					T__				---		15115617	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	1.26	267.6	Pg	10:37:17.392	-0.1					T__				---		15115618	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	267.6	Sn	10:37:34.385	-1.1					T__				---		15115619	FDSN	SK	--	BUD	iLoc	HHN	???	_
A269A	1.83	240.5	Pn	10:37:23.978	-0.3					T__				---		15115620	FDSN	Z3	00	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
2018/02/01	08:30:56.12	2.18	0.13	47.3501	18.4107	11.6	7.2	87	0.0S		4	4	157	0.10	1.28	m	kx BUD	15115621	iLoc			254

(locality : Gánt Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID

Sta	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	277.4	Lg	08:31:01.046	-0.0					T__				---		15115623	FDSN	HU	--	BUD	iLoc	HHN	???	_

MORH	1.15	171.9	Lg	08:31:36.015	-0.1	T__	---	15115624	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.18	13.9	Lg	08:31:37.088	0.0	T__	---	15115625	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.28	189.7	Lg	08:31:40.654	0.1	T__	---	15115626	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
2018/02/01	09:38:27.69	0.19	0.39	46.9561	22.3042	1.5	1.2	164	2.7F	1.7	26	117	0.32	2.43	a	ke	BUC	15103063	ISC			360
2018/02/01	09:38:26.69	1.56	0.77	46.9773	22.3084	4.4	3.1	153	0.2F	2.5	55	18	75	0.33	2.45	m	ke	BUD	15115627	iLoc		119

Magnitude	Err	Nsta	Author	OrigID
m1	1.9		BUC	15103063
M	2.1	9	BUD	15115627

Sta	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	123.8	Pg	09:38:33.735	0.1					T__						15115629	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.33	123.8	Lg	09:38:38.976	-0.4					T__						15115630	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.33	123.8	Pg	09:38:34.025	0.4					T__						15115631	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.33	123.8	Pg	09:38:34.025	0.4					T__		0.1				15115632	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.33	123.8	Lg	09:38:38.446	-0.9					T__		0.1				15115633	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	287.7	Pg	09:38:35.354	0.6					T__						15115634	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	287.7	Pg	09:38:35.354	0.6					T__		0.2				15115635	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.38	287.7	Lg	09:38:39.944	-1.3					T__		0.2				15115636	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.1	Pg	09:38:39.532	0.1					T__						15115637	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.1	Pg	09:38:39.532	0.1					T__						15115638	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	118.1	Lg	09:38:48.739	-0.9					T__						15115639	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	212.4	Pg	09:38:43.886	0.1					T__						15115640	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	212.4	Pg	09:38:43.886	0.1					T__						15115641	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	212.4	Lg	09:38:55.232	-1.4					T__						15115642	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	212.2	Pg	09:38:43.557	-0.3					T__						15115643	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.84	212.2	Lg	09:38:54.699	-2.0					T__						15115644	FDSN	RO	--	BUD	iLoc	BHE	???	_
CJR	0.92	106.1	Pg	09:38:45.287	0.4					T__						15115645	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.92	106.1	Lg	09:38:57.806	-1.5					T__						15115646	FDSN	RO	--	BUD	iLoc	BHE	???	_
CJR	0.92	106.1	Lg	09:38:58.072	-1.2					T__		0.1				15115647	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	48.8	Pn	09:38:48.493	0.0					T__						15115648	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BMR	1.07	48.8	Lg	09:39:03.964	-0.8					T__						15115649	FDSN	RO	--	BUD	iLoc	BHE	???	_
BMR	1.07	48.8	Pn	09:38:47.907	-0.6					T__						15115650	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	48.8	Pn	09:38:47.907	-0.6					T__		0.1				15115651	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	48.8	Lg	09:39:03.743	-1.0					T__		0.1				15115652	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.16	7.6	Pg	09:38:49.305	0.0					T__						15115653	FDSN	HU	--	BUD	iLoc	BHZ	???	_
DEV	1.16	159.3	Pn	09:38:50.424	1.2					T__						15115654	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SURR	1.23	186.0	Pg	09:38:50.692	0.1					T__						15115655	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	186.0	Pg	09:38:50.692	0.1					T__						15115656	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	186.0	Lg	09:39:07.833	-0.4					T__						15115657	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.40	84.8	Pg	09:38:54.241	0.4					T__						15115658	FDSN	RO	--	BUD	iLoc	BHZ	???	_
ARCR	1.40	84.8	Sn	09:39:13.376	-0.4					T__						15115659	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.44	199.1	Pn	09:38:53.325	0.3					T__						15115660	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.44	199.1	Sn	09:39:14.140	0.5					T__						15115661	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.44	199.7	Pn	09:38:53.517	0.4					T__						15115662	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.44	199.7	Pn	09:38:53.517	0.4					T__						15115663	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.50	331.7	Pn	09:38:55.310	1.0					T__						15115664	FDSN	HU	--	BUD	iLoc	HHZ	???	_
GZR	1.62	168.2	Pg	09:38:57.144	-0.4					T__						15115665	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.62	168.2	Pg	09:38:57.460	-0.1					T__						15115666	FDSN	IR	--	ISC	iLoc	???	???	_

GZR	1.62	168.2	Pg	09:38:57.460	-0.1	T__	---	15115667	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.62	168.2	Sn	09:39:19.333	0.6	T__	---	15115668	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.62	168.2	Sn	09:39:19.626	0.9	T__	---	15115669	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	145.9	Pn	09:39:00.111	1.0	T__	---	15115670	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	145.9	Pn	09:39:00.111	1.0	T__	---	15115671	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	145.9	Sn	09:39:24.978	0.5	T__	---	15115672	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	145.9	Pg	09:39:02.079	0.3	T__	---	15115673	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	2.08	71.1	Pn	09:39:04.482	1.4	T__	---	15115674	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.08	71.1	Pn	09:39:04.482	1.4	T__	---	15115675	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.10	177.9	Pn	09:39:03.234	0.7	T__	---	15115676	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.10	177.9	Pn	09:39:03.234	0.7	T__	---	15115677	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.10	177.9	Sn	09:39:30.325	-0.3	T__	---	15115678	FDSN	IR	--	ISC	iLoc	???	???	_
DOPR	2.36	114.3	Pn	09:39:06.560	-0.1	T__	---	15115679	FDSN	IR	--	ISC	iLoc	???	???	_
DOPR	2.36	114.3	Pn	09:39:06.560	-0.1	T__	---	15115680	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.45	128.0	Pn	09:39:08.969	0.9	T__	---	15115681	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.45	128.0	Pn	09:39:08.969	0.9	T__	---	15115682	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.45	128.0	Sn	09:39:39.709	-0.6	T__	---	15115683	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
2018/02/01	10:39:53.12	0.99	1.08	46.8503	17.3941	4.3	4.2	47	0.0S		20	10	108	0.20	1.99	m	sx BUD	15115684	iLoc			130
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	7	BUD	15115684

Sta	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	0.20	301.2	Pg	10:39:58.250	0.5					T__						15115686	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.20	301.2	Lg	10:40:00.762	-0.6					T__						15115687	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MPLH	0.34	17.2	Pg	10:40:00.126	-0.3					T__						15115688	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.34	17.2	Lg	10:40:05.607	-0.3					T__						15115689	FDSN	HU	--	BUD	iLoc	BHE	???	_
MPLH	0.34	17.2	Lg	10:40:07.500	1.4					T__		0.1				15115690	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.57	355.7	Lg	10:40:16.000	2.0					T__						15115691	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.57	228.5	Lg	10:40:16.275	2.3					T__						15115692	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	0.88	243.4	Pg	10:40:10.982	0.2					T__						15115693	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.88	243.4	Lg	10:40:23.559	-0.1					T__						15115694	FDSN	SL	--	BUD	iLoc	BHE	???	_
KOGS	0.88	243.4	Lg	10:40:23.800	0.1					T__		0.5				15115695	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.90	147.1	Pn	10:40:12.330	-0.0					T__						15115696	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.90	147.1	Lg	10:40:25.803	0.4					T__						15115697	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.90	147.1	Sn	10:40:27.000	-0.4					T__		0.1				15115698	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.07	125.9	Pg	10:40:14.473	-0.1					T__						15115699	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.07	125.9	Sn	10:40:30.829	-0.4					T__						15115700	FDSN	HU	--	BUD	iLoc	BHN	???	_
ARSA	1.34	288.1	Pg	10:40:19.192	0.0					T__						15115701	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.34	288.1	Sn	10:40:36.075	-1.7					T__						15115702	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.34	288.1	Pg	10:40:20.600	1.5					T__		0.1				15115703	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.50	316.6	Sn	10:40:40.963	-1.3					T__						15115704	FDSN	OE	--	BUD	iLoc	BHN	???	_
OBKA	1.99	261.2	Pg	10:40:30.329	-0.6					T__						15115705	FDSN	OE	--	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
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2018/02/01 10:45:57.27 1.29 0.46 47.2330 18.4090 8.0 5.5 105 0.0S 9 6 137 0.16 1.57 m kx BUD 15115706 iLoc 169
 2018/02/01 10:45:57.33f 0.94 47.2302 18.2835f 0.0S 9 127 0.13 1.58 m kx BUD_GT 15134920 BUD 166
 (locality : Iszkaszentgyörgy Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 M 1.9 4 BUD 15134920

Sta	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	10:46:01.527	0.9					T__						15137326	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:46:03.777	0.4					T__						15137327	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:46:09.871	1.9					T__						15137328	FDSN	HU	--	BUD	BUD	BHZ	???	_
A270A	0.79	38.7	Pg	10:46:12.573	-1.1					T__						15137329	FDSN	Z3	00	BUD	BUD	HHN	???	_
A270A	0.79	38.7	Lg	10:46:24.694	-1.2					T__						15137330	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	1.04	166.1	Lg	10:46:33.345	-0.5					T__						15137331	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Sn	10:46:37.326	-0.1					T__						15137332	FDSN	HU	--	BUD	BUD	BHE	???	_
A332A	1.58	4.3	Pg	10:46:28.090	-0.5					T__						15137333	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A332A	1.58	4.3	Lg	10:46:50.837	0.0					T__						15137334	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
 2018/02/01 11:02:22.13 0.23 0.38 48.1173 16.9632 3.2 1.3 137 0.0F 0.0 10 56 0.61 0.76 a kx VIE 15103169 ISC 360
 2018/02/01 11:02:21.53 0.97 0.77 48.1487 16.9360 5.3 3.4 149 0.0S 25 11 83 0.12 1.31 m kx BUD 15115717 iLoc 149
 (description : known quarry blast)
 (locality : Hainburg Austria)

Magnitude Err Nsta Author OrigID
 m1 1.4 VIE 15103169
 M 2.0 7 BUD 15115717

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.12	66.9	Pg	11:02:24.571	-0.0					T__						15115719	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.12	66.9	Lg	11:02:26.597	-0.4					T__						15115720	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	45.3	Pg	11:02:28.015	-0.5					T__						15115721	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	45.3	Lg	11:02:32.627	-1.1					T__						15115722	FDSN	SK	--	BUD	iLoc	HHE	???	_
RONA	0.62	224.0	Pg	11:02:33.623	-0.5					T__		0.8	0.08			15115723	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.62	224.0	Lg	11:02:42.159	-1.2					T__		4.3	0.28			15115724	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	253.4	Pg	11:02:37.235	0.7					T__						15115725	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.75	253.4	Lg	11:02:47.793	-0.0					T__						15115726	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.75	253.4	Pg	11:02:37.074	0.5					T__		0.4	0.12			15115727	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	253.4	Lg	11:02:48.055	0.2					T__		0.7	0.18			15115728	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.86	34.2	Pn	11:02:41.744	1.4					T__						15115729	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.86	34.2	Pn	11:02:41.300	1.0					T__						15115730	FDSN	IR	--	ISC	iLoc	???	???	_
A008A	0.89	284.9	Pg	11:02:39.290	0.7					T__						15115731	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A008A	0.89	284.9	Lg	11:02:50.353	-0.9					T__						15115732	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KRUC	0.98	338.8	Pg	11:02:40.800	0.6					T__						15115733	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	338.8	Lg	11:02:55.100	0.9					T__						15115734	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	338.8	Pn	11:02:41.120	-0.5					T__						15115735	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.98	338.8	Sn	11:02:55.972	-1.2					T__						15115736	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MPLH	1.06	157.2	Sn	11:02:59.073	-0.2					T__						15115737	FDSN	HU	--	BUD	iLoc	BHN	???	_
VRAC	1.18	349.1	Pg	11:02:43.900	0.1					T__						15115738	FDSN	IR	--	ISC	iLoc	???	???	_

VRAC	1.18	349.1	Pn	11:02:44.241	-0.2	T__	---	15115739	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.18	349.1	Sn	11:03:01.154	-0.9	T__	---	15115740	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.31	227.2	Lg	11:03:06.253	0.5	T__	---	15115741	FDSN	OE	--	BUD	iLoc	BHE	???	_
VYHS	1.31	74.1	Pg	11:02:48.394	0.6	T__	---	15115742	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.31	74.1	Sn	11:03:05.427	0.1	T__	---	15115743	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
2018/02/02	02:11:42.94	1.42	0.54	47.8640	18.3974	21.2	6.3	121	5.0A	6	4	165	0.08	0.91	m	ke	BUD	15115744	iLoc			322

Magnitude	Err	Nsta	Author	OrigID
M	1.5	2	BUD	15115744

Sta	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	228.2	Pg	02:11:45.119	0.2					T__						15115746	FDSN	SK	--	BUD	iLoc	EZH	???	_
SR0	0.08	228.2	Lg	02:11:45.844	-0.6					T__						15115747	FDSN	SK	--	BUD	iLoc	EHN	???	_
CSKK	0.51	190.5	Lg	02:12:00.870	-0.1					T__						15115748	FDSN	HU	--	BUD	iLoc	HHE	???	_
VYHS	0.70	24.8	Pn	02:11:58.020	-0.2					T__						15115749	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.70	24.8	Lg	02:12:07.231	0.1					T__						15115750	FDSN	SK	--	BUD	iLoc	HHN	???	_
MPLH	0.91	220.3	Lg	02:12:14.661	0.6					T__						15115751	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
2018/02/02	09:09:39.14	1.26	0.98	48.5358	20.7532	5.8	4.7	164	0.0S	11	6	96	0.19	1.35	m	kx	BUD	15115752	iLoc			174

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

Magnitude	Err	Nsta	Author	OrigID
M	1.6	5	BUD	15115752

Sta	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	253.6	Pg	09:09:42.755	-0.3					T__						15115754	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	253.6	Lg	09:09:46.270	0.2					T__						15115755	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.40	126.3	Pg	09:09:48.755	1.3					T__						15115756	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	126.3	Lg	09:09:52.916	-1.4					T__						15115757	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.84	223.2	Pg	09:09:56.193	-0.7					T__						15115758	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.84	223.2	Lg	09:10:10.169	0.1					T__						15115759	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.93	342.0	Pg	09:09:57.093	0.5					T__						15115760	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.93	342.0	Lg	09:10:09.625	-0.5					T__						15115761	FDSN	PL	--	BUD	iLoc	BHE	???	_
KOLS	1.08	67.9	Lg	09:10:15.735	-1.4					T__						15115762	FDSN	SK	--	BUD	iLoc	HHN	???	_
A270A	1.35	239.9	Pg	09:10:07.127	0.6					T__						15115763	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	1.35	239.9	Sn	09:10:24.816	0.5					T__						15115764	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
2018/02/02	14:27:01.89	1.18	0.64	47.1013	18.0424	6.6	5.2	57	0.0S	9	5	125	0.30	2.03	m	sx	BUD	15115765	iLoc			215

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

Magnitude Err Nsta Author OrigID
M 1.7 5 BUD 15115765

Sta	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	0.30	29.5	Pg	14:27:08.850	0.4					T__						15115767	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.30	29.5	Lg	14:27:12.798	-0.8					T__						15115768	FDSN	HU	--	BUD	iLoc	HHE	???	_
MPLH	0.35	281.5	Pg	14:27:09.959	0.5					T__						15115769	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.35	281.5	Lg	14:27:14.754	-0.4					T__						15115770	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.98	154.7	Pg	14:27:21.401	-0.1					T__						15115771	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.98	154.7	Lg	14:27:35.596	-0.6					T__						15115772	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.01	177.7	Pn	14:27:23.063	0.6					T__						15115773	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.01	177.7	Lg	14:27:37.293	-0.5					T__						15115774	FDSN	HU	--	BUD	iLoc	BHE	???	_
A013A	2.03	299.3	Pg	14:27:41.013	-0.5					T__						15115775	FDSN	Z3	00	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
2018/02/02 14:44:59.79 1.23 1.48 47.1476 18.1058 7.4 5.3 87 0.0S 9 6 132 0.24 1.06 m sx BUD 15115776 iLoc 182
(description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
M 1.5 4 BUD 15115776

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.24	26.0	Pg	14:45:06.247	1.1					T__						15115778	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.29	211.1	Pg	14:45:06.342	0.3					T__						15115779	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.29	211.1	Lg	14:45:10.266	-0.7					T__						15115780	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.39	273.6	Pg	14:45:08.819	0.8					T__						15115781	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.39	273.6	Lg	14:45:15.064	0.8					T__						15115782	FDSN	HU	--	BUD	iLoc	BHN	???	_
A339A	0.75	336.1	Lg	14:45:23.691	-2.7					T__						15115783	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.00	158.1	Pn	14:45:20.157	0.1					T__						15115784	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.00	158.1	Lg	14:45:34.842	-0.1					T__						15115785	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.06	180.2	Lg	14:45:35.498	-1.7					T__						15115786	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
2018/02/03 14:14:25.08 1.17 1.05 48.4064 22.2915 6.6 4.0 65 4.6F 19.4 14 6 104 0.14 1.64 m ke BUD 15115794 iLoc 188

Magnitude Err Nsta Author OrigID
M 1.9 4 BUD 15115794

Sta	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	0.14	27.0	Pg	14:14:28.049	0.1					T__						15115796	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.32	149.0	Pg	14:14:32.900	1.4					T__						15115797	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	0.32	149.0	Lg	14:14:37.300	0.2					T__						15115798	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	0.32	149.0	Pg	14:14:31.733	0.2					T__						15115799	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.32	149.0	Lg	14:14:37.196	0.1					T__						15115800	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOLS	0.53	358.7	Pg	14:14:35.100	-0.0					T__		6.2				15115801	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	0.53	358.7	Pg	14:14:35.656	0.5					T__						15115802	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.53	358.7	Lg	14:14:43.332	-0.4					T__						15115803	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOLS	0.53	358.7	Lg	14:14:44.500	0.7					T__		6.2				15115804	FDSN	IR	--	ISC	iLoc	???	???	_

ABAH	0.71	261.4	Pg	14:14:39.350	0.4					T__					15115805	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.71	261.4	Lg	14:14:49.270	-1.2					T__					15115806	FDSN	HU	--	BUD	iLoc	HHN	???	_
BMR	1.09	131.8	Lg	14:15:02.200	-1.5					T__					15115807	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.09	131.8	Lg	14:15:01.716	-2.0					T__					15115808	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	1.64	169.9	Pn	14:14:54.653	0.2					T__					15115809	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
2018/02/04	21:28:25.70	1.74	1.48	48.1473	18.3816	30.7	8.5	89	5.0A		8	7	180	0.51	2.07	m	ke	BUD	15115810	iLoc		324

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A269A	0.51	179.9	Pg	21:28:35.400	-0.6					T__						15115812	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.51	179.9	Lg	21:28:44.811	1.2					T__						15115813	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.79	186.0	Pg	21:28:42.227	0.8					T__						15115814	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.79	186.0	Lg	21:28:45.724	-7.3					T__						15115815	FDSN	HU	--	BUD	iLoc	HHN	???	_
A331A	1.01	354.0	Sn	21:29:00.392	-0.3					T__						15115816	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.13	210.5	Sn	21:29:02.343	-1.4					T__						15115817	FDSN	HU	--	BUD	iLoc	BHN	???	_
A267A	1.20	176.7	Pg	21:28:49.985	0.6					T__						15115818	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.94	174.6	Sn	21:29:21.004	-2.4					T__						15115819	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	2.07	185.4	Sn	21:29:27.427	0.6					T__						15115820	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
2018/02/05	09:37:39.69	1.07	0.69	48.5328	20.8267	9.1	4.6	155	0.0S		10	5	116	0.23	1.21	m	kx	BUD	15115821	iLoc		177

(locality : Dvorniky-Vcelare Slovakia)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15115821

Sta	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	257.8	Pg	09:37:44.284	-0.2					T__						15115823	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	257.8	Lg	09:37:47.168	-1.1					T__						15115824	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	257.8	Lg	09:37:48.400	0.1					T__		1.7				15115825	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.56	48.4	Pg	09:37:51.032	0.6					T__						15115826	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	48.4	Lg	09:37:58.986	-0.7					T__						15115827	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.88	225.7	Pn	09:37:59.355	0.8					T__						15115828	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	225.7	Lg	09:38:11.859	0.1					T__						15115829	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.95	339.3	Pn	09:37:59.976	0.3					T__						15115830	FDSN	PL	--	BUD	iLoc	BHZ	???	_
TRPA	1.21	108.8	Pg	09:38:02.900	-0.1					T__						15115831	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.21	108.8	Sn	09:38:21.508	-0.7					T__						15115832	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
2018/02/05	11:45:25.57	1.06	0.75	48.1169	18.9798	4.8	4.3	119	0.0S		14	8	66	0.12	1.17	m	kx	BUD	15115833	iLoc		118

(description : known quarry blast)

(locality : Horne-Turovce Slovakia)

Magnitude Err Nsta Author OrigID
M 2.0 6 BUD 15115833

Sta	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	6.3	Pg	11:45:28.882	0.7					T__						15115835	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.12	6.3	Lg	11:45:31.040	0.8					T__						15115836	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A270A	0.27	174.5	Pg	11:45:32.126	0.7					T__						15115837	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.27	174.5	Lg	11:45:36.829	0.9					T__						15115838	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SR0	0.54	236.1	Lg	11:45:44.786	-0.1					T__						15115839	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.65	107.6	Pg	11:45:39.545	0.2					T__						15115840	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.65	107.6	Lg	11:45:49.061	-0.6					T__						15115841	FDSN	GE	--	BUD	iLoc	BHN	???	_
CSKK	0.90	213.0	Pg	11:45:44.099	0.5					T__						15115842	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.90	213.0	Lg	11:45:56.873	-0.0					T__						15115843	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	1.07	69.4	Pn	11:45:46.924	0.1					T__						15115844	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	1.07	69.4	Lg	11:46:02.547	-0.2					T__						15115845	FDSN	SK	--	BUD	iLoc	EHN	???	_
JAVC	1.14	310.9	Pg	11:45:48.705	0.3					T__						15115846	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MODS	1.17	283.3	Pg	11:45:49.265	0.3					T__						15115847	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.17	283.3	Sn	11:46:04.125	-1.7					T__						15115848	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
2018/02/05	12:17:24.79	2.96	1.56	46.1316	18.0469	23.4	7.5	133	0.0S		6	3	246	0.06	0.71	m	kx BUD	15115849	iLoc			308
2018/02/05	12:17:25.34f		0.95	46.1254	18.0152f				0.0S		6		248	0.07	0.70	m	kx BUD_GT	15136866	BUD			315

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

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.07	122.2	Pg	12:17:27.154	-0.2					T__						15137335	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.07	122.2	Lg	12:17:28.478	-0.7					T__						15137336	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.45	78.1	Pg	12:17:34.076	-0.7					T__						15137337	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Lg	12:17:40.997	-0.9					T__						15137338	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Pg	12:17:40.398	0.8					T__						15137339	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.70	189.7	Lg	12:17:52.052	1.7					T__						15137340	FDSN	Z3	--	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
2018/02/05	12:53:47.46	0.27	0.55	47.8593	16.0187	2.1	1.9	35	0.0F	0.0	12		10	0.13	1.61	a	sx VIE	15103209	ISC			360
2018/02/05	12:53:47.12	0.98	0.75	47.8640	16.0477	3.8	3.4	50	0.0S		25	10	66	0.14	1.63	m	sx BUD	15115857	iLoc			113

(locality : Podgorje Croatia)
(description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
mb 1.7 VIE 15103209
ml 1.7 VIE 15103209
M 1.8 6 BUD 15115857

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CONA	0.14	297.2	Pg	12:53:50.568	0.4					T__						15115859	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.14	297.2	Lg	12:53:53.130	0.6					T__						15115860	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.14	297.3	Lg	12:53:52.721	0.2					T__		79.3	0.44	---		15115861	FDSN	IR	--	ISC	iLoc	???	???	_
A009A	0.19	171.2	Pg	12:53:51.318	0.3					T__						15115862	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A009A	0.19	171.2	Lg	12:53:54.824	0.9					T__						15115863	FDSN	Z3	00	BUD	iLoc	HHN	???	_
RONA	0.23	134.3	Pg	12:53:52.375	0.3					T__		2.6	0.16	---		15115864	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.23	134.3	Lg	12:53:55.871	-0.0					T__		4.8	0.12	---		15115865	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.71	210.3	Pg	12:54:00.705	-0.2					T__		1.5	0.30	---		15115866	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.71	210.3	Lg	12:54:10.709	-0.3					T__		3.8	0.44	---		15115867	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.71	210.3	Pg	12:54:00.810	-0.1					T__				---		15115868	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.71	210.3	Lg	12:54:10.397	-0.6					T__				---		15115869	FDSN	OE	--	BUD	iLoc	BHN	???	_
MODS	0.97	57.8	Pg	12:54:07.106	0.4					T__				---		15115870	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.97	57.8	Lg	12:54:21.115	0.2					T__				---		15115871	FDSN	SK	--	BUD	iLoc	HHE	???	_
MOA	1.20	270.0	Pg	12:54:10.609	0.3					T__		1.3	0.30	---		15115872	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.20	270.0	Lg	12:54:25.763	-2.1					T__		1.0	0.18	---		15115873	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	10.8	Pg	12:54:10.100	-0.2					T__				---		15115874	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	10.8	Lg	12:54:26.900	-0.9					T__				---		15115875	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	10.8	Pn	12:54:10.709	0.3					T__				---		15115876	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.22	10.8	Lg	12:54:26.770	-1.0					T__				---		15115877	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MPLH	1.23	123.9	Pn	12:54:09.475	-1.1					T__				---		15115878	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.23	123.9	Lg	12:54:29.393	0.4					T__				---		15115879	FDSN	HU	--	BUD	iLoc	BHN	???	_
CKRC	1.50	310.2	Pg	12:54:16.035	0.6					T__				---		15115880	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.50	310.2	Sn	12:54:35.767	0.1					T__				---		15115881	FDSN	CZ	--	BUD	iLoc	BHE	???	_
BIOA	1.63	264.8	Pn	12:54:17.428	1.0					T__		0.3	0.10	---		15115882	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.63	264.8	Lg	12:54:41.111	-0.9					T__		7.3	0.40	---		15115883	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
2018/02/07 08:29:34.68 1.81 0.54 47.3158 18.3416 20.5 6.9 56 0.0S 6 4 218 0.07 1.24 m kx BUD 15115884 iLoc 273
(locality : Gánt Hungary)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.9 4 BUD 15115884

Sta	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	310.8	Pg	08:29:37.262	0.5					T__						15115886	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.07	310.8	Lg	08:29:38.203	-0.4					T__						15115887	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.57	255.4	Pg	08:29:46.756	0.4					T__						15115888	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.12	169.2	Pg	08:29:57.395	0.4					T__						15115889	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.12	169.2	Sn	08:30:13.852	0.1					T__						15115890	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.24	187.8	Pn	08:29:57.954	-0.4					T__						15115891	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
2018/02/07 12:02:47.12 1.51 1.65 48.7653 21.5598 11.5 5.1 42 1.6F 21.2 10 6 101 0.15 1.40 m ke BUD 15115892 iLoc 200

Magnitude Err Nsta Author OrigID
M 1.9 5 BUD 15115892

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.15	334.7	Pg	12:02:50.204	-0.0					T__						15115894	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.15	334.7	Lg	12:02:52.825	-0.1					T__						15115895	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOLS	0.50	70.1	Pg	12:02:57.999	1.3					T__						15115896	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.50	70.1	Lg	12:03:02.249	-2.6					T__						15115897	FDSN	SK	--	BUD	iLoc	HHE	???	_
STHS	0.68	342.4	Pg	12:03:00.111	0.4					T__						15115898	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STZU	0.75	69.9	Pg	12:03:02.616	1.4					T__						15115899	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.91	133.9	Pg	12:03:05.404	0.8					T__						15115900	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.91	133.9	Lg	12:03:17.898	-1.9					T__						15115901	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.40	233.3	Pn	12:03:14.030	0.8					T__						15115902	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.40	233.3	Sn	12:03:33.206	-0.8					T__						15115903	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
 2018/02/07 13:17:07.62 1.18 0.66 48.5746 20.7456 11.4 4.4 141 0.0S 9 6 151 0.20 1.07 m kx BUD 15115904 iLoc 172
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.9 6 BUD 15115904

Sta	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	242.2	Pg	13:17:11.482	-0.3					T__						15115906	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	242.2	Lg	13:17:15.395	0.5					T__						15115907	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.58	55.0	Pg	13:17:18.685	0.0					T__						15115908	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	55.0	Lg	13:17:26.947	-1.3					T__						15115909	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.87	221.2	Pg	13:17:25.534	-0.4					T__						15115910	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	221.2	Lg	13:17:39.484	0.1					T__						15115911	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.90	21.1	Pg	13:17:24.769	0.4					T__						15115912	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.02	304.8	Pg	13:17:27.205	-0.4					T__						15115913	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KOLS	1.07	69.9	Pn	13:17:29.973	0.5					T__						15115914	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
 2018/02/08 09:08:18.16 1.37 0.29 47.2887 17.6540 13.0 5.0 129 0.0S 7 5 147 0.14 1.57 m sx BUD 15115915 iLoc 213
 (description : suspected quarry blast)
 (locality : Ugod Hungary)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15115915

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MPLH	0.14	213.4	Pg	09:08:21.734	0.1					T__						15115917	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.14	213.4	Lg	09:08:24.296	-0.1					T__						15115918	FDSN	HU	--	BUD	iLoc	BHE	???	_
A268A	0.23	52.0	Pg	09:08:23.612	0.2					T__						15115919	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.23	52.0	Lg	09:08:27.007	-0.5					T__						15115920	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.42	79.5	Pg	09:08:27.256	0.2					T__						15115921	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MORH	1.27	147.2	Pg	09:08:43.511	0.1					T__						15115922	FDSN	HU	--	BUD	iLoc	BHZ	???	_
JAVC	1.57	0.4	Sn	09:09:08.578	-0.0					T__						15115923	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
 2018/02/08 10:39:08.37 1.18 2.23 47.1614 18.0397 5.0 4.6 134 0.0S 15 6 124 0.25 1.07 m kx BUD 15115957 iLoc 213
 (description : known quarry blast)
 (locality : Királyszentistván Hungary)

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15115957

Sta	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	36.6	Pg	10:39:11.100	-2.9					T__		2.0		---		15115959	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.25	36.6	Pg	10:39:15.013	1.0					T__				---		15115960	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.25	36.6	Lg	10:39:20.397	2.0					T__				---		15115961	FDSN	HU	--	BUD	iLoc	HHE	???	_
TIH	0.28	201.0	Lg	10:39:24.200	5.0					T__		1.4		---		15115962	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	0.28	201.7	Pg	10:39:13.903	-0.6					T__				---		15115963	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.28	201.7	Lg	10:39:19.343	0.1					T__				---		15115964	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.34	271.7	Pg	10:39:15.600	-0.2					T__		0.1		---		15115965	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.34	271.7	Pg	10:39:16.903	1.2					T__				---		15115966	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.34	271.7	Lg	10:39:21.625	0.3					T__				---		15115967	FDSN	HU	--	BUD	iLoc	BHN	???	_
A267A	0.37	125.3	Pg	10:39:18.338	2.1					T__				---		15115968	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.37	125.3	Lg	10:39:24.378	2.1					T__				---		15115969	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.03	156.0	Pg	10:39:28.014	-1.0					T__				---		15115970	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.03	156.0	Lg	10:39:43.484	-1.1					T__				---		15115971	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.07	177.8	Pn	10:39:28.926	-0.9					T__				---		15115972	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.07	177.8	Lg	10:39:43.446	-2.8					T__				---		15115973	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
 2018/02/08 10:47:56.18 1.17 0.53 47.2162 18.2993 7.7 5.4 107 0.0S 9 5 129 0.15 1.14 m kx BUD 15115924 iLoc 176
 2018/02/08 10:47:56.33f 0.45 47.2302 18.2835f 0.0S 9 127 0.13 1.15 m kx BUD_GT 15134943 BUD 172
 (locality : Iszkaszentgyörgy Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15134943

Sta	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	10:47:59.585	-0.1					T__				---		15137342	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:48:02.139	-0.2					T__				---		15137343	FDSN	HU	--	BUD	BUD	HHE	???	_
CSKK	0.13	353.3	Lg	10:48:02.700	0.3					T__		3.1		---		15137341	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.51	263.5	Pg	10:48:07.377	0.4					T__				---		15137344	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:48:15.040	0.1					T__				---		15137345	FDSN	HU	--	BUD	BUD	BHE	???	_
A270A	0.79	38.7	Pn	10:48:14.223	0.6					T__				---		15137346	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.79	38.7	Lg	10:48:24.477	-0.4					T__				---		15137347	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	1.04	166.1	Pn	10:48:17.002	-0.1					T__				---		15137348	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	1.15	186.4	Pn	10:48:17.849	-0.9					T__				---		15137349	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
 2018/02/08 10:51:32.44 1.34 1.15 48.5656 20.7843 16.5 5.6 153 0.0S 8 4 165 0.22 1.25 m sx BUD 15115935 iLoc 222
 (locality : Podgorje Croatia)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15115935

Sta	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	247.5	Pg	10:51:36.594	-0.3					T__						15115937	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	247.5	Lg	10:51:39.651	-0.8					T__						15115938	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	247.5	Lg	10:51:40.800	0.4					T__		1.4				15115939	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.56	52.8	Pg	10:51:43.491	0.3					T__						15115940	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.88	222.9	Pg	10:51:51.594	0.6					T__						15115941	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	222.9	Lg	10:52:04.759	0.1					T__						15115942	FDSN	GE	--	BUD	iLoc	BHN	???	_
TRPA	1.25	109.8	Pn	10:51:57.592	0.9					T__						15115943	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.25	109.8	Sn	10:52:13.773	-2.1					T__						15115944	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
 2018/02/09 09:07:04.82 1.20 0.84 48.7250 20.5529 12.4 5.1 134 0.0S 10 5 117 0.25 1.60 m kx BUD 15115945 iLoc 184

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15115945

Sta	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	190.5	Pg	09:07:10.285	0.4					T__						15115947	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.25	190.5	Lg	09:07:12.747	-1.1					T__						15115948	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.25	190.5	Lg	09:07:14.300	0.5					T__		0.7				15115949	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.63	73.2	Pg	09:07:17.227	0.5					T__						15115950	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.63	73.2	Lg	09:07:25.829	-1.2					T__						15115951	FDSN	SK	--	BUD	iLoc	HHE	???	_
STHS	0.83	33.0	Pn	09:07:23.605	0.5					T__						15115952	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PSZ	0.92	208.8	Lg	09:07:37.900	-0.4					T__		0.1				15115953	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.92	208.8	Pg	09:07:24.247	0.1					T__						15115954	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.92	208.8	Lg	09:07:37.265	-1.1					T__						15115955	FDSN	GE	--	BUD	iLoc	BHE	???	_
A331A	1.60	286.3	Sn	09:07:56.000	-0.3					T__						15115956	FDSN	Z3	00	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
 2018/02/09 14:57:48.25 1.65 1.25 46.9768 17.9132 10.2 5.4 50 0.0S 7 4 198 0.08 0.91 m kx BUD 15115974 iLoc 275

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15115974

Sta	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	0.08	192.8	Pg	14:57:52.314	1.8					T__						15115976	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	0.32	307.3	Pg	14:57:55.317	0.1					T__						15115977	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.32	307.3	Lg	14:58:01.361	0.8					T__						15115978	FDSN	HU	--	BUD	iLoc	BHN	???	_
CSKK	0.45	31.4	Pg	14:57:52.141	-5.7					---						15115979	FDSN	HU	--	BUD	iLoc	HHZ	???	_

A263A	0.53	230.9	Pg	14:57:58.817	-0.5	T__	---	15115980	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.53	230.9	Lg	14:58:06.459	-1.2	T__	---	15115981	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	0.91	146.2	Pg	14:58:05.998	-0.6	T__	---	15115982	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.91	146.2	Lg	14:58:20.124	-0.3	T__	---	15115983	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
2018/02/10	08:29:35.22	1.03	0.74	47.6332	18.0091	4.1	3.3	93	8.8F	6.8	30	16	70	0.21	1.79	m	ke	BUD	15115984	iLoc		99

Magnitude	Err	Nsta	Author	OrigID
M	1.9	8	BUD	15115984

Sta	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	0.21	196.0	Pg	08:29:39.485	-0.4					T__						15115986	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.21	196.0	Lg	08:29:43.431	-0.0					T__						15115987	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SR0	0.27	48.6	Pg	08:29:40.989	-0.1					T__						15115988	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SR0	0.27	48.6	Lg	08:29:44.682	-0.7					T__						15115989	FDSN	SK	--	BUD	iLoc	EHE	???	_
A339A	0.31	309.6	Pg	08:29:42.160	0.4					T__						15115990	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.31	309.6	Lg	08:29:47.792	1.2					T__						15115991	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.32	147.6	Pg	08:29:41.696	-0.3					T__						15115992	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.32	147.6	Lg	08:29:47.308	0.2					T__						15115993	FDSN	HU	--	BUD	iLoc	HHN	???	_
A338A	0.45	31.1	Pg	08:29:45.484	1.1					T__						15115994	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.45	31.1	Lg	08:29:51.636	0.6					T__						15115995	FDSN	Z3	00	BUD	iLoc	HH2	???	_
EGYH	0.51	244.9	Pg	08:29:45.492	-0.1					T__						15115996	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.51	244.9	Lg	08:29:52.640	-0.6					T__						15115997	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.56	214.7	Pg	08:29:46.656	0.1					T__						15115998	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.56	214.7	Lg	08:29:56.776	1.8					T__						15115999	FDSN	HU	--	BUD	iLoc	BHN	???	_
ZST	0.83	313.1	Pg	08:29:51.823	0.0					T__						15116000	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.83	313.1	Lg	08:30:03.221	-0.1					T__						15116001	FDSN	SK	--	BUD	iLoc	HHE	???	_
MODS	0.89	326.7	Pg	08:29:52.726	-0.3					T__						15116002	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.89	326.7	Lg	08:30:05.352	0.0					T__						15116003	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	0.90	47.6	Pn	08:29:52.743	-0.0					T__						15116004	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.90	47.6	Sn	08:30:05.763	-0.6					T__						15116005	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	1.25	349.7	Pn	08:29:58.046	-0.0					T__						15116006	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.25	349.7	Lg	08:30:16.360	-0.6					T__						15116007	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.25	349.7	Pn	08:29:57.600	-0.4					T__						15116008	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.25	349.7	Sn	08:30:15.100	-0.3					T__						15116009	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.30	76.7	Sn	08:30:17.331	0.3					T__						15116010	FDSN	GE	--	BUD	iLoc	BHN	???	_
CONA	1.48	282.3	Sn	08:30:22.253	1.1					T__						15116011	FDSN	OE	--	BUD	iLoc	BHN	???	_
MORH	1.48	162.7	Sn	08:30:22.418	1.4					T__						15116012	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.55	177.7	Lg	08:30:26.021	-0.8					T__						15116013	FDSN	HU	--	BUD	iLoc	BHE	???	_
KRUC	1.79	323.6	Pn	08:30:04.700	-0.6					T__						15116014	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.79	323.6	Sn	08:30:27.000	-1.1					T__						15116015	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
2018/02/10	09:12:22.16	1.01	1.02	48.5050	20.7913	6.9	3.9	166	0.0S		17	8	118	0.20	1.82	m	kx	BUD	15116016	iLoc		160

(locality : Dvorniky-Vcelare Slovakia)

(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.7 6 BUD 15116016

Sta	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	264.0	Pg	09:12:26.643	0.2					T__						15116018	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	264.0	Lg	09:12:29.408	-0.4					T__						15116019	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	264.0	Lg	09:12:30.300	0.5					T__		0.7				15116020	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.60	47.9	Pg	09:12:33.690	0.1					T__						15116021	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.60	47.9	Lg	09:12:41.709	-1.7					T__						15116022	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.84	226.0	Pn	09:12:40.851	0.3					T__						15116023	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.84	226.0	Sn	09:12:54.283	-0.8					T__						15116024	FDSN	GE	--	BUD	iLoc	BHZ	???	_
NIE	0.97	341.2	Pg	09:12:41.285	1.0					T__						15116025	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.97	341.2	Lg	09:12:53.808	-0.5					T__						15116026	FDSN	PL	--	BUD	iLoc	BHN	???	_
NIE	0.97	340.7	Pn	09:12:43.200	0.8					T__						15116027	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.07	65.9	Pn	09:12:44.951	0.9					T__						15116028	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.07	65.9	Lg	09:12:59.535	-0.3					T__						15116029	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.09	306.9	Pg	09:12:42.432	-1.0					T__						15116030	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.09	306.9	Lg	09:12:57.515	-1.9					T__						15116031	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	1.23	107.2	Pn	09:12:47.100	1.0					T__						15116032	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.23	107.2	Sn	09:13:03.991	-1.0					T__						15116033	FDSN	HU	--	BUD	iLoc	BHN	???	_
A331A	1.82	291.8	Sn	09:13:20.305	0.9					T__						15116034	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BRG	5.04	300.6	Pg	09:13:50.310	-4.8					---						15116035	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.04	300.6	x	09:13:53.060	-99.0					---		2.4	1.02	---		15116036	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
2018/02/10 09:35:17.21 1.35 0.44 46.1435 18.2981 14.6 4.8 152 0.0S 7 4 184 0.15 2.34 m kx BUD 15116037 iLoc 229
2018/02/10 09:35:16.99f 0.54 46.1765 18.2926f 0.0S 7 204 0.16 2.34 m kx BUD_GT 15134961 BUD 237
(GT info : GT2 explosion)
(locality : Komló-II Hungary)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.5 4 BUD 15134961

Sta	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	09:35:20.989	0.2					T__						15137350	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.16	236.7	Lg	09:35:23.922	-0.0					T__						15137351	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	09:35:22.959	0.5					T__						15137352	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.25	80.7	Lg	09:35:27.698	0.8					T__						15137353	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.80	202.9	Pg	09:35:33.353	0.1					T__						15137354	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.80	202.9	Lg	09:35:44.577	-1.0					T__						15137355	FDSN	Z3	--	BUD	BUD	BHE	???	_
SIRR	2.34	86.6	Pn	09:35:55.953	-0.3					T__						15137356	FDSN	RO	--	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
2018/02/10 12:31:32.91 1.88 1.29 46.4131 19.8501 7.9 4.5 1 8.3F 14.4 15 9 99 0.61 2.01 m ke BUD 15116046 iLoc 180

Magnitude Err Nsta Author OrigID
M 1.8 5 BUD 15116046

Sta	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	0.61	95.6	Pn	12:31:46.600	0.3					T__		0.4		---		15116048	FDSN	IR	--	ISC	iLoc	???	???	_
AMBH	0.61	95.6	Lg	12:31:54.600	-0.6					T__		0.4		---		15116049	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.86	257.2	Pn	12:31:49.457	-0.4					T__				---		15116050	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.86	257.2	Sn	12:32:01.543	-1.5					T__				---		15116051	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.26	255.7	Pg	12:31:57.420	-0.4					T__				---		15116052	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.26	255.7	Sn	12:32:14.451	1.3					T__				---		15116053	FDSN	HU	--	BUD	iLoc	BHN	???	_
SIRR	1.26	96.1	Pn	12:31:56.384	0.7					T__				---		15116054	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.26	96.1	Sn	12:32:13.192	-0.1					T__				---		15116055	FDSN	RO	--	BUD	iLoc	BHE	???	_
FRGS	1.28	180.5	Pg	12:31:57.863	0.4					T__				---		15116056	FDSN	SJ	--	BUD	iLoc	HHE	???	_
FRGS	1.28	180.5	Sn	12:32:11.501	-2.3					T__				---		15116057	FDSN	SJ	--	BUD	iLoc	HHN	???	_
BZS	1.48	121.8	Pg	12:32:01.893	0.2					T__				---		15116058	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.48	121.8	Sn	12:32:18.342	0.2					T__				---		15116059	FDSN	RO	--	BUD	iLoc	BHE	???	_
A270A	1.54	338.7	Pg	12:32:03.998	0.1					T__				---		15116060	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A252A	1.71	235.7	Sn	12:32:26.935	2.6					T__				---		15116061	FDSN	Z3	--	BUD	iLoc	BHN	???	_
DRGR	2.01	78.1	Sn	12:32:31.394	-0.8					T__				---		15116062	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
2018/02/12	07:57:42.42	1.26	0.42	47.3818	18.4573	9.8	7.1	172	0.0S		8	7	113	0.13	1.27	m	kx	BUD	15116063	iLoc		211
(description : known 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	262.2	Pg	07:57:45.454	-0.3					T__				---		15116065	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A268A	0.37	278.0	Pg	07:57:50.486	0.3					T__				---		15116066	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.37	278.0	Lg	07:57:56.409	0.3					T__				---		15116067	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.66	251.6	Lg	07:58:05.898	-0.1					T__				---		15116068	FDSN	HU	--	BUD	iLoc	BHN	???	_
A266A	0.87	188.8	Pn	07:58:01.198	0.4					T__				---		15116069	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
PSZ	1.11	60.5	Lg	07:58:22.205	0.0					T__				---		15116070	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.17	173.6	Sn	07:58:22.240	-0.6					T__				---		15116071	FDSN	HU	--	BUD	iLoc	BHE	???	_
MODS	1.27	321.7	Lg	07:58:25.702	-0.4					T__				---		15116072	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
2018/02/12	08:56:27.76	2.09	0.51	47.5455	18.4287	28.1	5.5	94	0.0S		5	3	192	0.10	1.34	m	kx	BUD	15116073	iLoc		321
2018/02/12	08:56:27.52f		0.51	47.5600	18.4573f				0.0S		5		207	0.09	1.35	m	kx	BUD_GT	15136872	BUD		320
(description : known quarry blast)																						
(locality : Tatabánya Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	2.0	0.3	2 BUD	15136872

Sta	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	08:56:30.537	0.6					T__		164.2		---	MLv	15137357	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.09	327.2	Lg	08:56:32.004	0.1					T__				---		15137358	FDSN	Z3	00	BUD	BUD	HHN	???	_

CSKK	0.24	214.2	Pg	08:56:32.985	0.2	T__	170.2	---	MLv	15137359	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	08:56:36.032	-0.9	T__		---		15137360	FDSN	HU	--	BUD	BUD	HHN	???	_
MORH	1.35	174.5	Sn	08:57:11.935	-0.3	T__		---		15137361	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
2018/02/12	08:59:37.51	1.10	0.86	48.5459	20.7678	9.2	5.4	153	0.0S	10	7	112	0.20	2.64	m	kx	BUD	15116088	iLoc			169
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15116088

Sta	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	251.6	Pg	08:59:42.121	0.4					T__						15116090	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	251.6	Lg	08:59:44.660	-0.2					T__						15116091	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.58	51.9	Pg	08:59:49.154	0.5					T__						15116092	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.86	223.2	Pg	08:59:55.929	0.3					T__						15116093	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	223.2	Lg	09:00:08.656	-0.3					T__						15116094	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.92	341.2	Pn	08:59:57.507	0.4					T__						15116095	FDSN	PL	--	BUD	iLoc	BHZ	???	_
TRPA	1.25	108.7	Pn	09:00:02.207	0.4					T__						15116096	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.25	108.7	Sn	09:00:19.703	-1.3					T__						15116097	FDSN	HU	--	BUD	iLoc	BHE	???	_
A335A	1.62	267.4	Lg	09:00:31.450	-1.4					T__						15116098	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A266A	2.64	220.9	Pn	09:00:21.616	0.7					T__						15116099	FDSN	Z3	00	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
2018/02/12	10:28:04.83	1.22	1.26	48.6571	19.8478	6.9	5.6	137	0.0S	8	5	127	0.46	2.41	m	sx	BUD	15116100	iLoc			217
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.9	4	BUD	15116100

Sta	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	0.46	112.1	Pg	10:28:14.439	0.4					T__						15116102	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.46	112.1	Lg	10:28:20.065	-1.0					T__						15116103	FDSN	SK	--	BUD	iLoc	EHE	???	_
A336A	0.71	233.4	Lg	10:28:31.413	2.0					T__						15116104	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	0.74	177.6	Pn	10:28:21.643	-0.1					T__						15116105	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.74	177.6	Lg	10:28:32.295	0.2					T__						15116106	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.82	21.7	Pg	10:28:21.094	0.8					T__						15116107	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.82	21.7	Lg	10:28:31.574	-0.6					T__						15116108	FDSN	PL	--	BUD	iLoc	BHE	???	_
A004A	2.41	254.5	Pg	10:28:50.669	-1.3					T__						15116109	FDSN	Z3	00	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
2018/02/13	09:18:14.86	1.54	0.87	48.5148	20.8522	13.4	4.2	140	0.0S	9	4	181	0.25	0.94	m	kx	BUD	15116110	iLoc			216
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15116110

Sta	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	262.7	Pg	09:18:19.723	-0.2					T__						15116112	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.25	262.7	Lg	09:18:22.912	-1.0					T__						15116113	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.25	262.7	Lg	09:18:23.700	-0.2					T__		0.8				15116114	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.56	45.9	Pg	09:18:25.314	-0.3					T__						15116115	FDSN	SK	--	BUD	iLoc	HHE	???	_
CRVS	0.56	45.9	Lg	09:18:33.977	-0.9					T__						15116116	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.88	227.4	Pg	09:18:34.205	0.9					T__						15116117	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	227.4	Lg	09:18:46.535	-0.4					T__						15116118	FDSN	GE	--	BUD	iLoc	BHZ	???	_
STHS	0.94	15.8	Pg	09:18:33.427	1.2					T__						15116119	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.94	15.8	Lg	09:18:46.218	-0.2					T__						15116120	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
2018/02/13	10:27:19.49	1.23	1.53	48.1215	20.0576	12.5	5.2	126	0.0S		7	5	170	0.23	1.23	m	kx BUD	15116121	iLoc			281
(description : known quarry blast)																						
(locality : Egerbakta Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15116121

Sta	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	208.4	Pg	10:27:25.413	0.5					T__						15116123	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.23	208.4	Lg	10:27:29.701	0.6					T__						15116124	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.46	38.1	Pg	10:27:29.015	0.2					T__						15116125	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.46	38.1	Lg	10:27:36.356	0.4					T__						15116126	FDSN	SK	--	BUD	iLoc	EHN	???	_
BUD	0.94	227.9	Pn	10:27:39.238	0.3					T__						15116127	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A335A	1.20	286.5	Pg	10:27:44.265	0.9					T__						15116128	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	1.23	247.4	Sn	10:27:58.179	-2.8					T__						15116129	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
2018/02/13	11:06:34.17	1.09	0.55	47.2431	18.2998	7.3	4.9	73	0.0S		11	6	109	0.12	1.61	m	kx BUD	15116133	iLoc			179
2018/02/13	11:06:34.21f		0.54	47.2302	18.2835f				0.0S		11		108	0.13	1.61	m	kx BUD_GT	15134976	BUD			172
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15134976

Sta	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	11:06:37.527	0.0					T__						15137362	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	11:06:39.500	-0.7					T__						15137363	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	11:06:44.700	-0.2					T__		0.1				15137364	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	0.51	263.5	Pg	11:06:45.040	0.2					T__						15137365	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	11:06:53.141	0.3					T__						15137366	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Pg	11:06:55.427	0.3					T__						15137367	FDSN	HU	--	BUD	BUD	BHZ	???	_

MORH	1.04	166.1	Lg	11:07:10.175	-0.6	T__									15137368	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.05	166.2	Pg	11:06:55.100	-0.0	T__									15137369	FDSN	IR	--	ISC	BUD	???	???	_
KOVH	1.15	186.4	Pg	11:06:58.404	1.0	T__									15137370	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	1.29	57.1	Sn	11:07:17.221	-0.7	T__									15137371	FDSN	GE	--	BUD	BUD	BHE	???	_
A002B	1.61	315.5	Sn	11:07:25.665	0.6	T__									15137372	FDSN	Z3	00	BUD	BUD	HH2	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/02/13	12:28:11.26	1.48	0.55	45.9489	18.2790	8.7	5.6	118	0.0S		6	3	167	0.19	0.60	m	kx BUD	15116146	iLoc			274
2018/02/13	12:28:10.93f		1.64	45.8820	18.2500f				0.0S		6		173	0.23	0.53	m	kx BUD_GT	15136875	BUD			293

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

Magnitude	Err	Nsta	Author	OrigID
ML	0.6	0.1	3 BUD	15116146
ML	0.6	0.1	3 BUD	15136875

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KOVH	0.23	333.2	Pg	12:28:15.458	-0.8					T__		5.5			MLv	15137373	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.23	333.2	Lg	12:28:19.369	-1.0					T__						15137374	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.43	39.3	Pg	12:28:18.751	-1.3					T__		1.5			MLv	15137375	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.43	39.3	Lg	12:28:25.921	-1.2					T__						15137376	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.53	212.4	Pg	12:28:23.175	1.4					T__		12.9			MLv	15137377	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.53	212.4	Lg	12:28:33.172	3.1					T__						15137378	FDSN	Z3	--	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
2018/02/13	12:56:32.88	1.58	1.33	48.8038	20.6822	20.4	5.0	145	0.0S		8	5	184	0.35	2.00	m	sx BUD	15116261	iLoc			227

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.8	3 BUD	15116261

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.35	202.2	Pg	12:56:40.847	0.9					T__	2.9	15.4			MLv	1.4	15116263	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.35	202.2	Lg	12:56:44.690	-0.6					T__						15116264	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.4 1																									
CRVS	0.52	78.9	Pg	12:56:43.928	1.0					T__	1.6	1.5			MLv	0.9	15116265	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
CRVS	0.52	78.9	Lg	12:56:50.783	-0.8					T__						15116266	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.9 1																									
PSZ	1.03	211.0	Pn	12:56:54.453	0.5					T__	2.2	8.3			MLv	2.0	15116267	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.03	211.0	Lg	12:57:08.163	-1.6					T__						15116268	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.0 1																									
KOLS	1.06	82.4	Lg	12:57:08.440	-1.6					T__						15116269	FDSN	SK	--	BUD	iLoc	HHE	???	_	
A337A	2.00	254.8	Sn	12:57:33.339	-0.9					T__						15116270	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
2018/02/14	09:24:04.91	1.07	0.65	47.0978	18.0183	6.6	3.8	109	0.0S	15	7	97	0.22	1.51	m	sx	BUD	15116167	iLoc			169

(description : suspected quarry blast)

(locality : Királyszentistván Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15116167

Sta	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	204.4	Pg	09:24:09.700	-0.1					T__						15116169	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.22	204.4	Lg	09:24:14.117	0.4					T__						15116170	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.31	31.8	Pg	09:24:11.600	-0.1					T__		1.9				15116171	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.31	31.8	Lg	09:24:17.300	0.3					T__		1.9				15116172	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.31	31.8	Pg	09:24:11.896	0.2					T__						15116173	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.31	31.8	Lg	09:24:16.571	-0.4					T__						15116174	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.33	282.7	Pg	09:24:12.642	0.5					T__						15116175	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.33	282.7	Lg	09:24:16.156	-1.5					T__						15116176	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A338A	0.95	13.7	Pn	09:24:25.286	0.9					T__						15116177	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.95	13.7	Lg	09:24:37.873	-0.2					T__						15116178	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MORH	0.98	153.7	Pn	09:24:25.117	0.2					T__						15116179	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.98	153.7	Lg	09:24:39.463	0.1					T__						15116180	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.01	176.8	Pn	09:24:25.700	0.2					T__						15116181	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.01	176.8	Lg	09:24:40.053	-0.7					T__						15116182	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.51	56.5	Pn	09:24:31.905	-0.8					T__						15116183	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
2018/02/14	14:45:55.29	1.19	0.67	46.8142	17.3754	6.4	4.4	95	0.0S	11	8	76	0.18	1.34	m	kx	BUD	15116184	iLoc			112
2018/02/14	14:45:54.84f		1.50	46.8548	17.2699f				0.0S	11		75	0.22	1.26	m	kx	BUD_GT	15136878	BUD			123

(GT info : GT2 explosion)

(locality : Várvölgy Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.8	4	BUD	15136878

Sta	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	0.22	171.8	Pg	14:45:59.833	0.0					T__						15137379	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A263A	0.22	171.8	Lg	14:46:03.213	-0.5					T__						15137380	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.37	30.2	Pg	14:46:03.723	1.0					T__						15137381	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.37	30.2	Lg	14:46:09.349	0.7					T__						15137382	FDSN	HU	--	BUD	BUD	BHE	???	_
EGYH	0.56	4.3	Lg	14:46:17.514	2.1					T__						15137383	FDSN	HU	--	BUD	BUD	HHE	???	_
KOGS	0.81	240.3	Sn	14:46:25.198	-1.9					T__						15137385	FDSN	SL	--	BUD	BUD	BHN	???	_
CSKK	0.85	52.7	Sn	14:46:27.428	-0.3					T__						15137384	FDSN	HU	--	BUD	BUD	HHE	???	_
KOVH	0.96	142.9	Pg	14:46:13.466	-0.8					T__						15137386	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.96	142.9	Lg	14:46:27.291	-1.6					T__						15137387	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.14	123.5	Sn	14:46:31.511	-3.3					T__						15137388	FDSN	HU	--	BUD	BUD	BHE	???	_
ARSA	1.26	289.0	Sn	14:46:38.680	1.1					T__						15137389	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
2018/02/14	23:51:29.67	1.30	0.57	47.3313	18.4331	6.6	4.6	122	4.2F	14.6	15	8	103	0.12	1.26	m	ke BUD	15116197	iLoc			178

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15116197

Sta	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	285.3	Pg	23:51:32.642	0.1					T__						15116199	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.12	285.3	Lg	23:51:34.411	-0.3					T__						15116200	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.12	285.2	Pg	23:51:32.500	-0.0					T__		13.8				15116201	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.12	285.2	Lg	23:51:34.200	-0.5					T__		13.8				15116202	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	0.31	353.6	Pg	23:51:37.039	1.0					T__						15116203	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.31	353.6	Lg	23:51:40.002	-0.8					T__						15116204	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BUD	0.43	69.0	Lg	23:51:45.603	0.1					T__						15116205	FDSN	HU	--	BUD	iLoc	BHN	???	_
SRO	0.49	350.5	Pg	23:51:39.589	0.0					T__						15116206	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SRO	0.49	350.5	Lg	23:51:46.540	-0.3					T__						15116207	FDSN	SK	--	BUD	iLoc	EHE	???	_
TIH	0.57	221.0	Pg	23:51:41.251	0.1					T__						15116208	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	0.63	255.5	x	23:51:42.960	-99.0					T__						15116209	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.63	255.5	Lg	23:51:52.579	1.0					T__						15116210	FDSN	HU	--	BUD	iLoc	BHE	???	_
EGYH	0.75	276.9	Lg	23:51:56.009	0.3					T__						15116211	FDSN	HU	--	BUD	iLoc	HHE	???	_
MORH	1.13	172.5	Pg	23:51:52.006	0.1					T__						15116212	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.13	172.5	Sn	23:52:07.016	-0.5					T__						15116213	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.26	190.6	Lg	23:52:12.777	0.1					T__						15116214	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	
2018/02/15	08:06:03.13	1.13	0.90	47.3005	18.3390	6.7	5.2	79	0.0S		10	6	109	0.08	1.58	m	kx BUD	15116215	iLoc				210
2018/02/15	08:06:03.32f		0.85	47.3167	18.3081f				0.0S		10		107	0.06	1.56	m	kx BUD_GT	15134985	BUD				208

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

Magnitude	Err	Nsta	Author	OrigID
M	2.2	6	BUD	15134985

Sta	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	08:06:05.451	0.3					T__						15137390	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.06	325.3	Lg	08:06:06.455	-0.3					T__						15137391	FDSN	HU	--	BUD	BUD	HHN	???	_
A269A	0.33	8.9	Pg	08:06:10.891	0.6					T__						15137392	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.33	8.9	Lg	08:06:17.790	2.1					T__						15137393	FDSN	Z3	00	BUD	BUD	HHN	???	_
A260A	1.09	268.9	Pg	08:06:25.838	0.6					T__						15137396	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MORH	1.13	168.0	Pg	08:06:25.636	-0.1					T__						15137394	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.13	168.0	Sn	08:06:41.908	-0.6					T__						15137395	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.23	60.1	Pg	08:06:28.198	-0.9					T__						15137397	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	1.23	60.1	Sn	08:06:44.989	-0.6					T__						15137398	FDSN	GE	--	BUD	BUD	BHE	???	_
A002B	1.56	312.8	Pn	08:06:31.052	-0.3					T__						15137399	FDSN	Z3	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	
2018/02/15	08:32:14.36	2.22	0.91	47.7548	19.8309	17.3	7.3	133	0.0S		6	4	229	0.17	2.32	m	kx BUD	15116227	iLoc				284

2018/02/15 08:32:14.42f 2.02 47.8285 19.9317f 0.0S 6 256 0.09 2.38 m kx BUD_GT 15134990 BUD 290
 (GT info : GT2 explosion)
 (locality : Gyöngyössolymos-II Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID

Sta	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	08:32:18.967	1.9					T__						15137400	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.09	344.4	Lg	08:32:20.854	1.5					T__						15137401	FDSN	GE	--	BUD	BUD	BHE	???	_
BUD	0.70	241.0	Lg	08:32:36.137	-4.2					T__						15137402	FDSN	HU	--	BUD	BUD	BHE	???	_
A332A	1.38	315.5	Pg	08:32:42.311	0.5					T__						15137403	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A332A	1.38	315.5	Lg	08:33:02.223	-0.1					T__						15137404	FDSN	Z3	00	BUD	BUD	HHN	???	_
A004A	2.38	274.5	Pn	08:32:53.444	-0.7					T__						15137405	FDSN	Z3	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
 2018/02/15 10:15:38.79 1.17 0.84 48.5677 20.8023 16.1 4.1 150 0.0S 10 6 164 0.23 7.71 m kx BUD 15116235 iLoc 186
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID

ML 2.0 0.2 3 BUD 15116235

Sta	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	248.2	Pg	10:15:43.482	-0.0					T__	45.6	168.6			MLv 2.2	15116237	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.23	248.2	Lg	10:15:46.388	-0.8					T__						15116238	FDSN	SK	--	BUD	iLoc	EHN	???	_		
KECS	0.23	248.2	Lg	10:15:47.500	0.3					T__		1.7				15116239	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 2.2 1)																										
CRVS	0.55	52.3	Pg	10:15:50.342	1.0					T__	1.1	2.1			MLv 1.1	15116240	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
CRVS	0.55	52.3	Lg	10:15:57.979	-0.5					T__						15116241	FDSN	SK	--	BUD	iLoc	HHN	???	_		
(Station ML : 1.1 1)																										
PSZ	0.89	223.4	Pg	10:15:58.443	0.9					T__	1.5	10.5			MLv 2.0	15116242	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.89	223.4	Lg	10:16:11.762	0.5					T__						15116243	FDSN	GE	--	BUD	iLoc	BHN	???	_		
(Station ML : 2.0 1)																										
KOLS	1.04	68.9	Lg	10:16:15.374	0.0					T__						15116244	FDSN	SK	--	BUD	iLoc	HHE	???	_		
TRPA	1.24	110.0	Sn	10:16:20.609	-1.4					T__						15116245	FDSN	HU	--	BUD	iLoc	BHE	???	_		
MM01	7.71	225.4	Pn	10:17:33.140	-0.1					T__						15116246	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
 2018/02/15 10:58:10.18 1.35 1.42 47.5197 18.5557 10.1 6.1 132 0.0S 7 5 166 0.25 1.21 m kx BUD 15116284 iLoc 249
 2018/02/15 10:58:10.95f 1.36 47.5600 18.4573f 0.0S 7 145 0.24 1.14 m kx BUD_GT 15136881 BUD 246
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Tatabánya Hungary)

Magnitude Err Nsta Author OrigID

M 1.9 2 BUD 15136881

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.24	214.2	Pg	10:58:16.202	-0.0					T__						15137406	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	10:58:19.427	-0.9					T__						15137407	FDSN	HU	--	BUD	BUD	HHN	???	_
SRO	0.27	339.1	Lg	10:58:23.046	1.8					T__						15137408	FDSN	SK	--	BUD	BUD	EHN	???	_
VYHS	0.97	15.1	Pn	10:58:31.674	0.8					T__						15137410	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Lg	10:58:44.264	-0.5					T__						15137411	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Lg	10:58:45.499	-2.7					T__						15137409	FDSN	GE	--	BUD	BUD	BHN	???	_
MODS	1.14	316.2	Lg	10:58:49.581	-0.8					T__						15137412	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
2018/02/15	11:13:02.34	1.03	1.45	48.8214	21.2091	5.8	5.5	157	0.0A		15	10	97	0.19	1.61	m	ke BUD	15116308	iLoc			137

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15116308

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.19	64.0	Pg	11:13:05.582	-0.6					T__						15116310	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.19	64.0	Lg	11:13:08.115	-1.4					T__						15116311	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	0.59	235.1	Lg	11:13:21.235	-1.7					T__						15116312	FDSN	SK	--	BUD	iLoc	EHE	???	_
STHS	0.60	2.2	Pg	11:13:12.987	-0.4					T__						15116313	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.60	2.2	Lg	11:13:20.705	-1.7					T__						15116314	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	0.71	80.5	Pg	11:13:17.473	1.5					T__						15116315	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.71	80.5	Lg	11:13:27.228	-0.3					T__						15116316	FDSN	SK	--	BUD	iLoc	HHE	???	_
HOLU	0.83	110.3	Pg	11:13:19.082	0.8					T__						15116317	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	0.95	77.7	Pg	11:13:21.052	0.7					T__						15116318	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	1.12	127.5	Pg	11:13:24.133	0.2					T__						15116319	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.12	127.5	Lg	11:13:39.913	-2.9					T__						15116320	FDSN	HU	--	BUD	iLoc	BHN	???	_
LANS	1.19	286.7	Pn	11:13:26.787	1.0					T__						15116321	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PSZ	1.26	224.6	Pn	11:13:26.945	0.2					T__						15116322	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.26	224.6	Sn	11:13:46.183	-0.0					T__						15116323	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.61	259.1	Pn	11:13:33.283	1.9					T__						15116324	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
2018/02/15	12:01:03.10	1.32	0.84	48.3733	18.2126	5.3	4.2	159	0.0S		13	7	91	0.11	0.62	m	kx BUD	15116293	iLoc			172

(description : known quarry blast)
(locality : Pohranice Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15116293

Sta	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	48.1	Pg	12:01:05.678	0.0					T__						15116295	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.11	48.1	Lg	12:01:08.324	0.7					T__						15116296	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A337A	0.31	245.6	Pg	12:01:09.483	-0.2					T__						15116297	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.31	245.6	Lg	12:01:14.833	0.3					T__						15116298	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.37	165.3	Pg	12:01:10.465	-0.3					T__						15116299	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.37	165.3	Lg	12:01:16.985	0.5					T__						15116300	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.43	73.5	Pg	12:01:11.934	0.0					T__						15116301	FDSN	SK	--	BUD	iLoc	HHZ	???	_

VYHS	0.43	73.5	Lg	12:01:17.733	-0.7	T__	---	15116302	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	0.46	21.1	Lg	12:01:19.316	0.0	T__	---	15116303	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.60	323.7	Pg	12:01:15.347	-0.1	T__	---	15116304	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.60	323.7	Lg	12:01:24.664	0.1	T__	---	15116305	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MODS	0.62	270.3	Pg	12:01:14.562	-1.4	T__	---	15116306	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.62	270.3	Lg	12:01:27.261	1.9	T__	---	15116307	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
2018/02/15	14:25:10.40	1.20	0.66	47.0673	17.2598	6.5	4.5	160	10.2F	7.1	14	8	108	0.14	1.28	m	ke	BUD	15116325	iLoc		192

Magnitude	Err	Nsta	Author	OrigID
M	2.0	6	BUD	15116325

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A261A	0.14	213.4	Pg	14:25:13.691	-0.3					T__						15116327	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.14	213.4	Lg	14:25:16.796	0.1					T__						15116328	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.22	61.6	Pg	14:25:14.806	-0.5					T__						15116329	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.22	61.6	Lg	14:25:18.664	-0.3					T__						15116330	FDSN	HU	--	BUD	iLoc	BHE	???	_
TIH	0.46	111.0	Pg	14:25:20.029	0.1					T__						15116331	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.46	111.0	Lg	14:25:26.743	-0.2					T__						15116332	FDSN	HU	--	BUD	iLoc	HHE	???	_
BEHE	0.68	209.3	Pn	14:25:26.225	0.9					T__						15116333	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.68	209.3	Lg	14:25:32.938	-1.5					T__						15116334	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	0.93	228.6	Pg	14:25:28.790	0.0					T__						15116335	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.93	228.6	Sn	14:25:42.761	-0.1					T__						15116336	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOVH	1.14	149.1	Lg	14:25:48.351	-0.6					T__						15116337	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.28	131.3	Pg	14:25:35.569	0.0					T__						15116338	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.28	131.3	Lg	14:25:52.618	-0.7					T__						15116339	FDSN	HU	--	BUD	iLoc	BHE	???	_
CONA	1.28	312.8	Lg	14:25:52.725	-0.4					T__						15116340	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
2018/02/16	10:21:48.37	1.05	0.92	48.6011	20.7213	6.1	3.8	147	0.0S		16	9	108	0.20	1.73	m	kx	BUD	15116356	iLoc		147

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15116356

Sta	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	233.1	Pg	10:21:52.374	-0.1					T__						15116358	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	233.1	Lg	10:21:55.234	-0.4					T__						15116359	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	233.1	Lg	10:21:56.100	0.4					T__		1.3				15116360	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	58.1	Pg	10:21:59.616	0.2					T__						15116361	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	58.1	Lg	10:22:07.876	-1.0					T__						15116362	FDSN	SK	--	BUD	iLoc	HHE	???	_
NIE	0.86	342.0	Pn	10:22:06.652	-0.4					T__						15116363	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.86	341.4	Pn	10:22:09.000	1.9					T__						15116364	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.88	219.3	Pg	10:22:07.006	0.1					T__						15116365	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	219.3	Lg	10:22:19.389	-1.1					T__						15116366	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.99	304.1	Pg	10:22:08.284	0.4					T__						15116367	FDSN	SK	--	BUD	iLoc	EHZ	???	_

LANS	0.99	304.1	Lg	10:22:21.983	-0.4	T__	---	15116368	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	1.08	71.5	Lg	10:22:24.843	-1.4	T__	---	15116369	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.26	265.8	Pn	10:22:12.927	0.5	T__	---	15116370	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	265.8	Sn	10:22:30.443	-0.9	T__	---	15116371	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	1.30	110.6	Pg	10:22:14.301	0.9	T__	---	15116372	FDSN	HU	--	BUD	iLoc	BHZ	???	_
OJC	1.73	339.9	Pg	10:22:21.821	0.1	T__	---	15116373	FDSN	PL	--	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
2018/02/16	10:41:55.49	1.19	0.89	47.2025	18.1072	6.8	4.4	117	4.5F	10.8	15	9	126	0.19	1.30	m	ke BUD	15116374	iLoc		147	

Magnitude	Err	Nsta	Author	OrigID
M	1.8	7	BUD	15116374

Sta	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	0.19	33.0	Pg	10:41:59.000	-0.7					T__		4.0				15116376	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.19	33.0	Pg	10:41:59.940	0.3					T__						15116377	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.19	33.0	Lg	10:42:03.790	0.9					T__						15116378	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A268A	0.26	331.5	Lg	10:42:04.185	-0.9					T__						15116379	FDSN	Z3	00	BUD	iLoc	HHN	???	_
TIH	0.34	206.5	Pg	10:42:01.733	-0.7					T__						15116380	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.34	206.5	Lg	10:42:06.678	-1.1					T__						15116381	FDSN	HU	--	BUD	iLoc	HHE	???	_
MPLH	0.39	265.4	Pg	10:42:04.054	0.6					T__						15116382	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.39	265.4	Lg	10:42:09.985	0.6					T__						15116383	FDSN	HU	--	BUD	iLoc	BHE	???	_
A269A	0.47	23.1	Pg	10:42:04.575	-0.5					T__						15116384	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.05	159.3	Pn	10:42:16.656	1.0					T__						15116385	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.05	159.3	Sn	10:42:31.803	0.2					T__						15116386	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.11	180.3	Pn	10:42:17.417	0.7					T__						15116387	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.11	180.3	Sn	10:42:32.518	-0.8					T__						15116388	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	1.17	231.8	Pn	10:42:18.291	0.6					T__						15116389	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MODS	1.30	334.8	Sn	10:42:36.557	-1.2					T__						15116390	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
2018/02/16	10:53:50.39	1.32	0.77	47.2308	18.2755	8.4	5.4	85	0.0S		7	4	149	0.13	1.32	m	kx BUD	15116391	iLoc			246
2018/02/16	10:53:50.37f		0.59	47.2302	18.2835f				0.0S		7		149	0.13	1.32	m	kx BUD_GT	15135005	BUD			247

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

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.13	353.4	Pg	10:53:53.857	0.2					T__						15137413	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:53:55.847	-0.6					T__						15137414	FDSN	HU	--	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	10:54:01.335	0.3					T__						15137415	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:54:08.230	-0.7					T__						15137416	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Pg	10:54:11.867	0.6					T__						15137417	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.04	166.1	Lg	10:54:25.967	-1.0					T__						15137418	FDSN	HU	--	BUD	BUD	BHE	???	_
VYHS	1.32	16.2	Sn	10:54:34.686	0.4					T__						15137419	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
2018/02/16	15:19:09.13	1.12	1.42	47.1334	18.2315	6.6	5.0	99	0.0S	11	8	105	0.23	1.65	m	sx	BUD	15116439	iLoc			157

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	2.1	5	BUD	15116439

Sta	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	0.23	4.9	Pg	15:19:15.356	1.0					T__						15116441	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	0.47	274.7	Lg	15:19:25.494	-1.0					T__						15116442	FDSN	HU	--	BUD	iLoc	BHE	???	_
BUD	0.64	56.7	Lg	15:19:30.828	-2.3					T__						15116443	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.96	162.6	Pn	15:19:29.833	1.1					T__						15116444	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.96	162.6	Sn	15:19:44.138	-0.2					T__						15116445	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.05	185.0	Pg	15:19:30.554	0.2					T__						15116446	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.05	185.0	Lg	15:19:45.408	-0.7					T__						15116447	FDSN	HU	--	BUD	iLoc	BHE	???	_
A260A	1.05	278.8	Pg	15:19:30.493	0.2					T__						15116448	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	1.17	214.0	Pg	15:19:33.573	0.8					T__						15116449	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	1.17	214.0	Lg	15:19:47.889	-2.1					T__						15116450	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A002B	1.65	318.7	Lg	15:20:03.014	-1.2					T__						15116451	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
2018/02/19	09:05:18.84	1.23	1.16	48.5840	20.7420	10.9	4.7	144	0.0S	10	6	164	0.20	2.97	m	sx	BUD	15116400	iLoc			276

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	6	BUD	15116400

Sta	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	239.5	Pg	09:05:22.871	-0.1					T__						15116402	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	239.5	Lg	09:05:26.284	0.1					T__						15116403	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.57	56.0	Pg	09:05:29.923	0.1					T__						15116404	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	56.0	Lg	09:05:37.980	-1.3					T__						15116405	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.87	220.7	Pg	09:05:36.651	-0.6					T__						15116406	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	220.7	Lg	09:05:50.347	-0.5					T__						15116407	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.01	304.5	Pg	09:05:38.592	-0.1					T__						15116408	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.27	266.6	Pg	09:05:43.385	-0.8					T__						15116409	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	266.6	Sn	09:06:00.502	-1.7					T__						15116410	FDSN	SK	--	BUD	iLoc	HHN	???	_
A004A	2.97	259.5	Pn	09:06:08.726	1.9					T__						15116411	FDSN	Z3	00	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
2018/02/19	10:09:12.96	1.12	0.42	46.2473	18.4645	5.4	5.3	139	0.0S	10	5	123	0.13	1.68	m	kx	BUD	15116412	iLoc			227

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	5	BUD	15116412

Sta	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	0.13	104.1	Pg	10:09:16.208	0.1					T__						15116414	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.13	104.1	Lg	10:09:18.661	-0.1					T__						15116415	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.30	238.0	Pg	10:09:19.364	-0.2					T__						15116416	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.30	238.0	Lg	10:09:24.392	-0.2					T__						15116417	FDSN	HU	--	BUD	iLoc	BHE	???	_
A266A	0.31	333.7	Pg	10:09:19.724	-0.1					T__						15116418	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.31	333.7	Lg	10:09:25.463	0.4					T__						15116419	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A252A	0.92	208.2	Pg	10:09:31.864	0.3					T__						15116420	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.92	208.2	Lg	10:09:46.171	0.3					T__						15116421	FDSN	Z3	--	BUD	iLoc	BHE	???	_
A339A	1.68	341.0	Pn	10:09:42.234	-0.5					T__						15116422	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	1.68	341.0	Sn	10:10:06.498	0.7					T__						15116423	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
2018/02/19	10:59:28.87	1.53	0.61	46.1256	18.0483	16.4	7.3	53	0.0S		5	3	205	0.05	1.10	m	kx	BUD	15116424	iLoc		301
2018/02/19	10:59:28.47f		0.45	46.1254	18.0152f				0.0S		5		220	0.07	1.10	m	kx	BUD_GT	15135012	BUD		315
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Bükkösd-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.3	2 BUD	15135012

Sta	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	10:59:30.635	0.1					T__		65.3		_c_	MLv	15137420	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	10:59:31.627	-0.7					T__						15137421	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.45	78.1	Lg	10:59:44.580	-0.5					T__						15137422	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.8	Pg	10:59:51.094	0.5					T__		5.3		MLv		15137423	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	1.10	342.8	Lg	11:00:07.023	0.0					T__						15137424	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
2018/02/20	10:36:05.53	1.21	0.58	48.5713	20.7642	8.9	4.7	150	0.0S		12	6	167	0.21	1.54	m	kx	BUD	15116452	iLoc		277
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5		5 BUD	15116452

Sta	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	244.6	Pg	10:36:10.070	0.2					T__						15116454	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	244.6	Lg	10:36:13.454	0.3					T__						15116455	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	244.6	Lg	10:36:14.000	0.8					T__		1.1				15116456	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.57	54.1	Pg	10:36:16.994	0.6					T__						15116457	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	54.1	Lg	10:36:25.065	-0.8					T__						15116458	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.87	222.0	Pn	10:36:24.242	-0.2					T__						15116459	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.0	Lg	10:36:36.836	-0.7					T__						15116460	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.03	304.6	Pg	10:36:25.818	0.0					T__						15116461	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.03	304.6	Lg	10:36:41.258	0.3					T__						15116462	FDSN	SK	--	BUD	iLoc	EHN	???	_

VYHS	1.28	267.3	Pg	10:36:30.692	-0.4	T__	---	15116463	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	267.3	Sn	10:36:49.545	0.3	T__	---	15116464	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.54	279.6	Lg	10:36:57.384	-0.6	T__	---	15116465	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
2018/02/20	12:00:51.32	0.91	1.20	48.8772	20.9462	3.9	3.4	4	0.0S	30	13	91	0.34	2.16	m	sx	BUD	15116497	iLoc			130
(description : suspected quarry blast)																						
(locality : Jaklovce Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.9	8	BUD	15116497

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CRVS	0.34	85.6	Pg	12:00:58.900	0.9					T__		0.1				15116499	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.34	85.6	Pg	12:00:58.160	0.2					T__						15116500	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.34	85.6	Lg	12:01:02.984	-0.8					T__						15116501	FDSN	SK	--	BUD	iLoc	HHE	???	_
KECS	0.50	217.9	Pg	12:01:01.100	-0.2					T__		0.2				15116502	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.50	217.9	Pg	12:01:01.352	0.1					T__						15116503	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.50	217.9	Lg	12:01:08.185	-0.7					T__						15116504	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.50	217.9	Pg	12:01:10.700	9.4					---		0.2				15116505	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.57	19.8	Pg	12:01:02.369	0.4					T__						15116506	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.57	19.8	Pg	12:01:07.100	5.1					---		0.4				15116507	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.57	19.8	Lg	12:01:10.667	0.0					T__						15116508	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	0.68	322.8	Pg	12:01:04.902	0.7					T__						15116509	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.68	322.8	Lg	12:01:13.978	-0.1					T__						15116510	FDSN	PL	--	BUD	iLoc	BHN	???	_
NIE	0.69	322.1	Pg	12:01:04.800	0.5					T__						15116511	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.69	322.1	Pb	12:01:14.500	10.2					---						15116512	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	0.88	85.8	Pn	12:01:09.800	-0.7					T__		21.7				15116513	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	0.88	85.8	Lg	12:01:21.377	-0.8					T__						15116514	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.01	286.3	Lg	12:01:25.524	-0.4					T__						15116515	FDSN	SK	--	BUD	iLoc	EHE	???	_
LANS	1.01	286.3	Pn	12:01:33.100	21.0					---						15116516	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.19	216.5	Pg	12:01:19.000	2.9					T__						15116517	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.19	216.5	Pn	12:01:14.808	0.2					T__						15116518	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.19	216.5	Sn	12:01:31.117	-2.1					T__						15116519	FDSN	GE	--	BUD	iLoc	BHN	???	_
TRPA	1.30	124.6	Pn	12:01:19.500	3.2					T__						15116520	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.30	124.6	Sn	12:01:34.300	-1.8					T__						15116521	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.30	124.6	Pg	12:01:15.880	-0.3					T__						15116522	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.30	124.6	Sn	12:01:34.860	-1.2					T__						15116523	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	1.45	244.3	Sn	12:01:38.868	-0.2					T__						15116524	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.45	255.5	Pn	12:01:17.571	-0.5					T__						15116525	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.45	255.5	Sn	12:01:38.198	-1.2					T__						15116526	FDSN	SK	--	BUD	iLoc	HHN	???	_
OJC	1.54	331.3	Pg	12:01:21.242	-0.4					T__						15116527	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.54	331.3	Pg	12:01:22.800	1.1					T__						15116528	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	1.54	331.3	Sn	12:01:41.862	-0.8					T__						15116529	FDSN	PL	--	BUD	iLoc	BHN	???	_
OJC	1.54	331.3	Sn	12:01:43.050	0.3					T__						15116530	FDSN	IR	--	ISC	iLoc	???	???	_
A332A	1.64	268.4	Pn	12:01:20.564	-0.2					T__						15116531	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	2.16	270.8	Pn	12:01:29.762	1.5					T__						15116532	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
2018/02/20	13:56:25.60	0.70		45.6220	20.5900	0.1	0.0		0.0F	0.0	12			0.72	1.73	a	ke BEO	15103358	ISC			360
2018/02/20	13:56:23.01	1.18	0.97	45.6467	20.6475	7.4	3.5	136	4.5F	9.9	29	13	83	0.68	2.59	m	ke BUD	15116466	iLoc			133

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BEO	15103358
M	2.2	5	BUD	15116466

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BZS	0.68	92.2	Pn	13:56:38.400	0.7					T__						15116468	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.68	92.2	Sn	13:56:47.817	-1.6					T__						15116469	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.68	92.2	Sn	13:56:47.900	-1.6					T__						15116470	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.70	91.9	Pn	13:56:38.276	0.3					T__						15116471	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.70	91.9	Sn	13:56:48.039	-1.8					T__						15116472	FDSN	RO	--	BUD	iLoc	BHN	???	_
AMBH	0.71	4.4	Pn	13:56:39.200	1.0					T__		0.3				15116473	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.77	230.6	Pn	13:56:39.084	0.0					T__						15116474	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.77	230.6	Lg	13:56:48.800	-0.4					T__						15116475	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.77	230.6	Sg	13:56:48.921	-0.3					T__						15116476	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.77	228.5	Pg	13:56:38.276	0.4					T__						15116477	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
FRGS	0.77	228.5	Lg	13:56:48.559	-1.0					T__						15116478	FDSN	SJ	--	BUD	iLoc	HHN	???	_
SIRR	0.94	48.3	Sn	13:56:56.401	0.1					T__						15116479	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.94	48.5	Pg	13:56:42.915	0.9					T__						15116480	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.94	48.5	Sn	13:56:55.899	-0.4					T__						15116481	FDSN	RO	--	BUD	iLoc	BHN	???	_
SURR	1.04	83.6	Pg	13:56:43.793	0.6					T__						15116482	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.04	83.6	Lg	13:56:57.896	-0.3					T__						15116483	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.35	216.2	Pg	13:56:49.200	0.1					T__						15116484	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.35	216.2	Sn	13:57:06.000	-0.2					T__						15116485	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.43	186.9	Pg	13:56:51.000	0.6					T__						15116486	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.43	186.9	Lg	13:57:09.300	-0.6					T__						15116487	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	98.8	Sn	13:57:09.196	-1.6					T__						15116488	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.62	197.0	Pg	13:56:54.100	0.1					T__						15116489	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.62	197.0	Lg	13:57:15.600	-0.4					T__						15116490	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	1.76	178.4	Pg	13:56:58.200	1.8					T__						15116491	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	1.76	178.4	Lg	13:57:21.500	1.7					T__						15116492	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.83	50.6	Pg	13:56:58.509	-0.4					T__						15116493	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.83	50.6	Sn	13:57:19.316	0.2					T__						15116494	FDSN	RO	--	BUD	iLoc	BHE	???	_
MARR	2.00	58.2	Sn	13:57:23.070	-0.6					T__						15116495	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	2.59	314.5	Pn	13:57:04.922	0.2					T__						15116496	FDSN	Z3	00	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
2018/02/21	09:13:08.04	1.75	0.51	47.3312	18.3475	12.6	7.5	114	0.0S		6	5	165	0.07	1.33	m	sx BUD	15116533	iLoc			245

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.07	298.5	Pg	09:13:10.197	0.1					T__						15116535	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.07	298.5	Lg	09:13:11.305	-0.5					T__						15116536	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.31	4.4	Lg	09:13:20.201	0.4					T__						15116537	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.68	0.3	Lg	09:13:32.015	-0.3					T__						15116538	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MORH	1.13	169.5	Sn	09:13:47.173	-0.3					T__						15116539	FDSN	HU	--	BUD	iLoc	BHE	???	_
A262A	1.33	250.1	Lg	09:13:53.996	0.4					T__						15116540	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
2018/02/21	09:14:58.81	1.54	1.06	47.3593	18.4529	9.7	7.4	124	0.0S		6	5	135	0.13	1.80	m	sx	BUD	15116541	iLoc		233

Magnitude	Err	Nsta	Author	OrigID
MLv	2.6	0.7	2 BUD	15116541

Sta	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	271.8	Pg	09:15:02.765	0.7					T__	7.2	295.9		---	MLv	2.1	15116543	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.13	271.8	Lg	09:15:04.289	-0.4					T__				---		15116544	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A270A	0.62	38.0	Lg	09:15:21.275	-0.1					T__				---		15116545	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
MORH	1.15	173.4	Lg	09:15:38.461	-0.5					T__				---		15116546	FDSN	HU	--	BUD	iLoc	BHE	???	_	
A002B	1.60	309.4	Pg	09:15:29.294	-1.1					T__	1.9	48.5		---	MLv	3.1	15116547	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A331A	1.80	355.1	Sn	09:15:55.551	1.1					T__				---		15116548	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
2018/02/21	09:55:59.43	1.00	0.76	48.5490	20.7691	6.9	4.0	156	0.0S		16	9	114	0.20	1.29	m	kx	BUD	15116557	iLoc		154

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

Magnitude	Err	Nsta	Author	OrigID
M	1.6		7 BUD	15116557

Sta	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	250.8	Pg	09:56:04.185	0.6					T__				---		15116559	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	250.8	Lg	09:56:07.062	0.2					T__				---		15116560	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	250.8	Lg	09:56:08.100	1.2					T__		1.1		---		15116561	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	52.1	Pg	09:56:11.282	0.7					T__				---		15116562	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.86	223.1	Pn	09:56:18.402	0.3					T__				---		15116563	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	223.1	Sn	09:56:31.948	-0.9					T__				---		15116564	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.92	341.1	Pg	09:56:17.708	1.0					T__				---		15116565	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.92	341.1	Lg	09:56:30.488	0.4					T__				---		15116566	FDSN	PL	--	BUD	iLoc	BHE	???	_
NIE	0.92	340.6	Pn	09:56:18.300	-0.7					T__				---		15116567	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.05	305.5	Pg	09:56:20.096	0.1					T__				---		15116568	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KOLS	1.07	68.3	Lg	09:56:36.923	-0.0					T__				---		15116569	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.22	255.7	Lg	09:56:41.931	0.1					T__				---		15116570	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.25	108.9	Pn	09:56:23.944	0.2					T__				---		15116571	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.25	108.9	Sn	09:56:41.491	-1.5					T__				---		15116572	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.29	268.3	Pg	09:56:24.842	-0.2					T__				---		15116573	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	268.3	Sn	09:56:42.562	-0.6					T__				---		15116574	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
2018/02/21	10:01:09.83	1.02	1.16	47.6464	18.5228	4.5	3.5	114	0.0S		20	14	61	0.10	1.59	m	sx	BUD	15116575	iLoc		103

Magnitude	Err	Nsta	Author	OrigID
M	1.7		6 BUD	15116575

Sta	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	265.3	Pg	10:01:12.089	-0.2					T__						15116577	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.10	265.3	Lg	10:01:14.425	0.2					T__						15116578	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.33	212.2	Pg	10:01:17.539	0.6					T__						15116579	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.33	212.2	Lg	10:01:21.555	-0.9					T__						15116580	FDSN	HU	--	BUD	iLoc	HHN	???	_
BUD	0.38	115.5	Lg	10:01:24.152	-0.2					T__						15116581	FDSN	HU	--	BUD	iLoc	BHN	???	_
A338A	0.39	342.8	Pg	10:01:20.032	2.1					T__						15116582	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.39	342.8	Lg	10:01:22.820	-1.1					T__						15116583	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A270A	0.39	59.1	Lg	10:01:23.558	-0.8					T__						15116584	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.46	242.3	Lg	10:01:26.893	0.3					T__						15116585	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A337A	0.78	320.8	Lg	10:01:36.737	-0.3					T__						15116586	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.81	351.2	Lg	10:01:35.977	-2.2					T__						15116587	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.82	234.9	Pn	10:01:27.891	0.3					T__						15116588	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.82	234.9	Lg	10:01:39.039	0.3					T__						15116589	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	0.87	13.8	Pn	10:01:28.376	-0.0					T__						15116590	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.87	13.8	Lg	10:01:40.597	0.2					T__						15116591	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.96	73.1	Lg	10:01:44.025	-1.2					T__						15116592	FDSN	GE	--	BUD	iLoc	BHE	???	_
MODS	1.11	311.5	Lg	10:01:46.102	-2.3					T__						15116593	FDSN	SK	--	BUD	iLoc	HHE	???	_
MORH	1.43	176.6	Pn	10:01:36.720	0.6					T__						15116594	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.43	176.6	Sn	10:01:55.762	-0.8					T__						15116595	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.59	190.7	Lg	10:02:02.548	-1.5					T__						15116596	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
 2018/02/22 00:44:25.62 1.23 0.68 47.4362 18.8736 6.6 4.4 137 8.1F 9.0 12 7 122 0.11 1.23 m ke BUD 15116597 iLoc 143

Magnitude Err Nsta Author OrigID
 M 1.5 5 BUD 15116597

Sta	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	65.0	Pg	00:44:28.837	0.2					T__						15116599	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BUD	0.11	65.0	Lg	00:44:30.845	-0.1					T__						15116600	FDSN	HU	--	BUD	iLoc	BHN	???	_
A269A	0.39	301.5	Pg	00:44:33.867	0.2					T__						15116601	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.39	301.5	Lg	00:44:39.283	-0.3					T__						15116602	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A270A	0.42	13.4	Pg	00:44:34.719	0.3					T__						15116603	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.42	13.4	Lg	00:44:40.160	-0.7					T__						15116604	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.42	260.3	Pg	00:44:34.710	0.4					T__						15116605	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.42	260.3	Lg	00:44:40.020	-0.8					T__						15116606	FDSN	HU	--	BUD	iLoc	HHN	???	_
A267A	0.56	208.7	Pg	00:44:36.050	-0.8					T__						15116607	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.56	208.7	Lg	00:44:45.961	0.7					T__						15116608	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.84	54.7	Lg	00:44:54.912	-0.7					T__						15116609	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.23	187.4	Sn	00:45:05.866	0.7					T__						15116610	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
 2018/02/22 08:37:04.06 1.28 1.10 47.4668 18.8567 7.2 5.1 170 0.0S 11 8 105 0.11 1.26 m sx BUD 15116611 iLoc 129

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

Magnitude Err Nsta Author OrigID
M 2.2 4 BUD 15116611

Sta	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	81.5	Lg	08:37:10.057	0.6					T__						15116613	FDSN	HU	--	BUD	iLoc	BHN	???	_
A269A	0.36	298.3	Lg	08:37:16.089	-1.5					T__						15116614	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.42	255.9	Pg	08:37:14.149	1.3					T__						15116615	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.42	255.9	Lg	08:37:19.276	-0.3					T__						15116616	FDSN	HU	--	BUD	iLoc	HHE	???	_
A267A	0.58	206.3	Pg	08:37:16.278	0.4					T__						15116617	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.63	267.1	Pg	08:37:17.383	0.3					T__						15116618	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.63	267.1	Lg	08:37:27.791	1.0					T__						15116619	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.65	328.4	x	08:37:19.355	-99.0					---						15116620	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.65	328.4	Lg	08:37:27.779	0.8					T__						15116621	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	0.83	56.8	Lg	08:37:34.965	0.0					T__						15116622	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.03	359.2	Lg	08:37:39.109	-0.8					T__						15116623	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORH	1.26	186.7	Sn	08:37:44.969	-1.6					T__						15116624	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
2018/02/22	10:27:49.28	1.02	0.98	48.2386	18.7985	4.2	3.4	18	0.0S		22	14	71	0.13	8.17	m	sx BUD	15116625	iLoc			98
(description : suspected quarry blast)																						

Magnitude Err Nsta Author OrigID
M 1.9 7 BUD 15116625

Sta	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	0.13	92.2	Pg	10:27:52.491	0.3					T__						15116627	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.13	92.2	Lg	10:27:54.827	0.4					T__						15116628	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.26	5.6	Pg	10:27:54.940	0.3					T__						15116629	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.26	5.6	Lg	10:27:59.244	0.6					T__						15116630	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.37	304.2	Pg	10:27:57.571	0.6					T__						15116631	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.37	304.2	Lg	10:28:02.445	-0.2					T__						15116632	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.37	233.4	Pg	10:27:56.895	-0.2					T__						15116633	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.37	233.4	Lg	10:28:03.263	0.5					T__						15116634	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.61	338.7	Lg	10:28:10.270	-0.1					T__						15116635	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.80	113.2	Pg	10:28:05.499	-0.8					T__						15116636	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.80	113.2	Lg	10:28:16.779	-2.1					T__						15116637	FDSN	GE	--	BUD	iLoc	BHN	???	_
CSKK	0.95	202.7	Lg	10:28:21.785	-0.5					T__						15116638	FDSN	HU	--	BUD	iLoc	HHE	???	_
JAVC	0.97	310.1	Pg	10:28:08.597	-0.2					T__						15116639	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.97	310.1	Lg	10:28:23.199	0.2					T__						15116640	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.97	310.1	Pg	10:28:07.700	-1.1					T__						15116641	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	1.02	278.1	Pn	10:28:11.365	1.3					T__						15116642	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.02	278.1	Lg	10:28:23.899	-1.0					T__						15116643	FDSN	SK	--	BUD	iLoc	HHE	???	_
ZST	1.14	268.5	Lg	10:28:26.934	-1.5					T__						15116644	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	1.15	77.1	Pg	10:28:12.189	0.2					T__						15116645	FDSN	SK	--	BUD	iLoc	EHE	???	_
MORC	1.75	332.2	Sn	10:28:42.537	-1.5					T__						15116646	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CONA	1.99	262.1	Sn	10:28:48.600	-1.1					T__						15116647	FDSN	IR	--	ISC	iLoc	???	???	_
NOCI	7.55	190.1	Pg	10:30:21.110	6.0					---						15116648	FDSN	IR	--	ISC	iLoc	???	???	_
SCTE	8.17	181.8	Pg	10:30:26.130	1.5					T__						15116649	FDSN	IR	--	ISC	iLoc	???	???	_
IGT	8.77	172.2	Pg	10:30:46.710	11.0					---						15116650	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
2018/02/22	11:30:35.28	1.29	0.96	47.4935	18.8337	11.1	5.3	153	11.0F	11.4	8	5	127	0.13	1.28	m	ke	BUD	15116651	iLoc		193

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BUD	0.13	94.3	Pg	11:30:39.410	0.6					T__						15116653	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BUD	0.13	94.3	Lg	11:30:40.847	-0.7					T__						15116654	FDSN	HU	--	BUD	iLoc	BHN	???	_
A270A	0.37	19.5	Lg	11:30:49.587	0.6					T__						15116655	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.41	251.7	Pg	11:30:44.032	0.2					T__						15116656	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.41	251.7	Lg	11:30:49.173	-1.0					T__						15116657	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.83	58.9	Pg	11:30:52.532	-0.2					T__						15116658	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.83	58.9	Lg	11:31:03.957	-1.0					T__						15116659	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.28	185.9	Sn	11:31:16.265	0.7					T__						15116660	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
2018/02/23	09:14:06.50	1.28	1.11	48.5535	20.7887	10.3	4.4	143	0.0S		14	7	171	0.21	1.79	m	kx	BUD	15116661	iLoc		243
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude Err Nsta Author OrigID

M 1.8 7 BUD 15116661

Sta	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	250.9	Pg	09:14:10.960	-0.0					T__						15116663	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	250.9	Lg	09:14:14.118	-0.3					T__						15116664	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	250.9	Lg	09:14:14.500	0.1					T__		1.4				15116665	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.57	51.7	Pg	09:14:17.850	0.5					T__						15116666	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	51.7	Lg	09:14:25.657	-1.1					T__						15116667	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.87	223.6	Pg	09:14:25.234	0.4					T__						15116668	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	223.6	Lg	09:14:38.825	0.4					T__						15116669	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.92	340.3	Pn	09:14:26.863	0.8					T__						15116670	FDSN	PL	--	BUD	iLoc	BHZ	???	_
VYHS	1.30	268.1	Sn	09:14:47.400	-3.2					T__						15116671	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.30	268.1	Pg	09:14:32.945	0.6					T__						15116672	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.30	268.1	Sn	09:14:50.221	-0.4					T__						15116673	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.56	280.1	Pg	09:14:37.750	0.5					T__						15116674	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	1.56	280.1	Sn	09:14:56.984	-0.1					T__						15116675	FDSN	Z3	00	BUD	iLoc	HHE	???	_
OJC	1.79	339.2	Pg	09:14:41.339	0.4					T__						15116676	FDSN	PL	--	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
2018/02/23	12:18:32.92	1.95	0.55	47.2038	18.3647	19.0	9.1	87	0.0S		4	3	192	0.17	1.01	m	kx	BUD	15116677	iLoc		290
2018/02/23	12:18:33.72f	0.66	0.66	47.2302	18.2835f				0.0S		4		172	0.13	1.04	m	kx	BUD_GT	15135023	BUD		270

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

Magnitude Err Nsta Author OrigID

MLv 1.6 0.3 2 BUD 15135023

Sta	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	12:18:37.319	0.3					T__		113.5			MLv	15137425	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	12:18:39.916	0.2					T__						15137426	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	12:18:44.763	0.4					T__		5.2			MLv	15137427	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	12:19:09.068	-1.2					T__						15137428	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
2018/02/24	08:46:49.73	1.08	0.71	47.6548	18.0280	4.4	3.5	130	6.7F	8.4	26	16	57	0.23	1.49	m	ke BUD	15116691	iLoc			93

Magnitude	Err	Nsta	Author	OrigID
M	2.0	9	BUD	15116691

Sta	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	0.23	197.5	Pg	08:46:54.212	-0.6					T__						15116693	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.23	197.5	Lg	08:46:58.775	0.2					T__						15116694	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.24	93.7	Pg	08:46:54.928	0.1					T__						15116695	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.24	93.7	Lg	08:46:58.059	-0.7					T__						15116696	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A339A	0.31	305.0	Lg	08:47:00.852	0.0					T__						15116697	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.33	151.5	Pg	08:46:56.224	-0.4					T__						15116698	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.33	151.5	Lg	08:47:01.827	-0.0					T__						15116699	FDSN	HU	--	BUD	iLoc	HHN	???	_
A338A	0.42	31.1	Pg	08:46:59.203	0.9					T__						15116700	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.42	31.1	Lg	08:47:02.819	-1.8					T__						15116701	FDSN	Z3	00	BUD	iLoc	HH3	???	_
EGYH	0.53	243.4	Lg	08:47:08.306	-0.0					T__						15116702	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.59	214.6	Pg	08:47:01.706	0.2					T__						15116703	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.59	214.6	Lg	08:47:11.280	1.0					T__						15116704	FDSN	HU	--	BUD	iLoc	BHN	???	_
TIH	0.76	187.3	Lg	08:47:16.278	0.2					T__						15116705	FDSN	HU	--	BUD	iLoc	HHN	???	_
A335A	0.82	14.5	Pn	08:47:06.874	0.3					T__						15116706	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.82	14.5	Lg	08:47:16.891	-0.9					T__						15116707	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ZST	0.83	311.4	Pn	08:47:06.781	0.1					T__						15116708	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A336A	0.87	48.1	Pn	08:47:07.417	0.2					T__						15116709	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.87	48.1	Lg	08:47:19.864	0.4					T__						15116710	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MODS	0.88	325.2	Pn	08:47:07.419	-0.1					T__						15116711	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.88	325.2	Sn	08:47:20.482	-0.8					T__						15116712	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.00	32.5	Pn	08:47:08.966	-0.1					T__						15116713	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.00	32.5	Lg	08:47:22.707	-1.0					T__						15116714	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	1.23	348.9	Pg	08:47:14.922	1.0					T__						15116715	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.23	348.9	Sn	08:47:30.415	0.5					T__						15116716	FDSN	CZ	--	BUD	iLoc	BHE	???	_
PSZ	1.29	77.5	Sn	08:47:32.144	0.6					T__						15116717	FDSN	GE	--	BUD	iLoc	BHE	???	_
CONA	1.49	281.4	Pg	08:47:18.260	-0.8					T__						15116718	FDSN	OE	--	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
2018/02/25	13:16:31.80	0.12	0.13	48.3923	17.0796	0.8	0.4	307	15.5F	1.7	17	134		0.13	1.06	a	ke IPEC	15103422	ISC			360
2018/02/25	13:16:32.13	0.26	0.29	48.4226	17.0325	2.1	1.4	81	0.0F	0.0	16	1		0.87	0.92	a	sx VIE	15103425	ISC			360
2018/02/25	13:16:31.52	1.04	0.81	48.3926	17.0547	3.8	3.5	130	0.0S		24	11	83	0.15	1.17	m	sx BUD	15116719	iLoc			104

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

Magnitude	Err	Nsta	Author	OrigID
ML	0.6		IPEC	15103422
m1	1.1		VIE	15103425
M	1.9	6	BUD	15116719

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.15	97.4	Pg	13:16:35.314	0.2					T__						15116721	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.15	97.4	Lg	13:16:37.798	-0.2					T__						15116722	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.20	170.8	Pg	13:16:36.654	0.6					T__						15116723	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.20	170.8	Lg	13:16:39.700	0.2					T__						15116724	FDSN	SK	--	BUD	iLoc	HHE	???	_
KRUC	0.80	327.1	Lg	13:16:57.500	-0.6					T__		0.8	0.19			15116725	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.80	327.1	Pg	13:16:46.971	0.3					T__						15116726	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.80	327.1	Lg	13:16:58.406	0.3					T__						15116727	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.86	85.9	Lg	13:17:01.915	0.7					T__						15116728	FDSN	Z3	00	BUD	iLoc	HHN	???	_
RONA	0.86	216.6	Pg	13:16:48.968	0.2					T__		0.3	0.12			15116729	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.86	216.6	Lg	13:17:01.416	0.0					T__		0.5	0.22			15116730	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.92	240.3	Lg	13:17:02.906	-0.7					T__						15116731	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.92	240.3	Pg	13:16:50.471	0.6					T__		0.1	0.10			15116732	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.92	240.3	Lg	13:17:02.796	-0.8					T__		0.2	0.08			15116733	FDSN	IR	--	ISC	iLoc	???	???	_
AO08A	0.94	269.1	Lg	13:17:03.050	0.1					T__						15116734	FDSN	Z3	00	BUD	iLoc	HH2	???	_
AO09A	0.96	222.5	Pn	13:16:51.733	0.3					T__						15116735	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO09A	0.96	222.5	Lg	13:17:02.841	-1.8					T__						15116736	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VRAC	0.97	341.8	Pg	13:16:49.700	0.0					T__						15116737	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.97	341.8	Pg	13:16:49.700	0.0					T__						15116738	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.97	341.8	Lg	13:17:02.200	-0.9					T__						15116739	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.97	341.8	Pg	13:16:49.932	0.2					T__						15116740	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	0.97	341.8	Lg	13:17:03.499	0.4					T__						15116741	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A332A	1.02	65.7	Pn	13:16:53.292	1.0					T__						15116742	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	1.02	65.7	Lg	13:17:04.496	-2.1					T__						15116743	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	1.17	129.8	Pn	13:16:53.354	-0.9					T__						15116744	FDSN	Z3	00	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
2018/02/26	09:08:14.79	1.07	0.93	47.1072	17.9918	6.2	3.8	95	12.8F	12.2	17	11	95	0.22	1.53	m	ke BUD	15116745	iLoc			118

Magnitude	Err	Nsta	Author	OrigID
M	2.0	7	BUD	15116745

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TIH	0.22	199.0	Lg	09:08:24.384	0.6					T__						15116747	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.32	35.5	Pg	09:08:21.151	-0.5					T__						15116748	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.32	35.5	Lg	09:08:25.983	-0.7					T__						15116749	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.32	281.7	Pg	09:08:21.588	-0.0					T__						15116750	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.32	281.7	Lg	09:08:27.251	0.6					T__						15116751	FDSN	HU	--	BUD	iLoc	BHE	???	_
A268A	0.33	351.9	Pg	09:08:22.047	0.2					T__						15116752	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.33	351.9	Lg	09:08:27.144	0.2					T__						15116753	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.59	26.4	Pg	09:08:25.878	-1.0					T__						15116754	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.70	191.3	Pg	09:08:27.937	-1.0					T__						15116755	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.76	342.6	Pg	09:08:29.808	-0.2					T__						15116756	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.76	342.6	Lg	09:08:39.229	-1.3					T__						15116757	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.00	153.0	Pg	09:08:34.077	-0.5					T__						15116758	FDSN	HU	--	BUD	iLoc	BHZ	???	_

MORH	1.00	153.0	Sn	09:08:48.226	0.3	T__	---	15116759	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.02	175.8	Pg	09:08:34.795	-0.5	T__	---	15116760	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.02	175.8	Lg	09:08:49.752	0.2	T__	---	15116761	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.52	57.1	Pn	09:08:42.116	1.1	T__	---	15116762	FDSN	GE	--	BUD	iLoc	BHZ	???	_
A021A	1.53	257.5	Lg	09:09:02.711	-2.1	T__	---	15116763	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
2018/02/26	09:09:31.64	1.25	0.55	48.5670	20.7618	14.8	4.9	151	0.0S		8	5	168	0.20	1.54	m	kx	BUD	15116764	iLoc		302
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15116764

Sta	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	245.5	Pg	09:09:36.434	0.6					T__						15116766	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	245.5	Lg	09:09:38.823	-0.3					T__						15116767	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.57	53.8	Pg	09:09:43.254	0.6					T__						15116768	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	53.8	Lg	09:09:51.390	-0.7					T__						15116769	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.87	222.1	Pn	09:09:50.179	-0.3					T__						15116770	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.1	Lg	09:10:03.231	-0.3					T__						15116771	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.28	267.5	Lg	09:10:16.180	0.2					T__						15116772	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.54	279.7	Pg	09:10:02.058	0.1					T__						15116773	FDSN	Z3	00	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
2018/02/26	11:04:05.51	0.22	0.27	48.1690	16.8800	1.9	1.3	131	0.0F	0.0	12	1	0.61	1.78	a	kx	VIE	15103453	ISC			360
2018/02/26	11:04:05.49	0.86	1.16	48.1769	16.9028	4.6	3.1	139	0.0S		28	13	75	0.13	1.80	m	kx	BUD	15116774	iLoc		138
(locality : Hainburg Austria)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
mb	1.8		VIE	15103453
ml	1.6		VIE	15103453
M	2.0	5	BUD	15116774

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.13	81.7	Pg	11:04:08.600	-0.2					T__						15116776	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.13	81.7	Lg	11:04:09.754	-1.6					T__						15116777	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	51.7	Pg	11:04:12.213	-0.2					T__						15116778	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	51.7	Lg	11:04:17.178	-0.4					T__						15116779	FDSN	SK	--	BUD	iLoc	HHE	???	_
RONA	0.63	220.7	Pg	11:04:17.141	-1.0					T__		0.3	0.08			15116780	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.63	220.7	Lg	11:04:26.054	-1.5					T__		8.4	0.40			15116781	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	250.8	Lg	11:04:31.921	0.6					T__						15116782	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.74	250.8	Pg	11:04:19.712	-0.6					T__		0.3	0.30			15116783	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	250.8	Lg	11:04:29.981	-1.4					T__		1.7	0.32			15116784	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.85	36.5	Pn	11:04:25.585	1.5					T__						15116785	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.85	36.5	Pn	11:04:24.600	0.5					T__						15116786	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	339.4	Pg	11:04:20.100	-3.4					T__						15116787	FDSN	IR	--	ISC	iLoc	???	???	_

KRUC	0.95	339.4	Pb	11:04:24.700	1.2	T__	---	15116788	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	339.4	Lg	11:04:37.700	0.7	T__	---	15116789	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	339.4	Sn	11:04:39.386	-0.9	T__	---	15116790	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A013A	1.01	264.1	Lg	11:04:40.307	0.6	T__	---	15116791	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.10	156.6	Pn	11:04:28.052	0.8	T__	---	15116792	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.10	156.6	Lg	11:04:42.353	-1.1	T__	---	15116793	FDSN	HU	--	BUD	iLoc	BHN	???	_
VRAC	1.15	349.9	Lg	11:04:44.500	1.4	T__	---	15116794	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.15	349.9	Pn	11:04:28.443	0.5	T__	---	15116795	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.15	349.9	Sn	11:04:45.559	0.3	T__	---	15116796	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A332A	1.21	58.3	Sn	11:04:45.748	-1.0	T__	---	15116797	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ARSA	1.31	225.7	Pn	11:04:30.402	0.2	T__	---	15116798	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	225.7	Sn	11:04:48.453	-0.9	T__	---	15116799	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	225.7	Pg	11:04:31.310	0.3	T__	---	15116800	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	225.7	Lg	11:04:51.259	1.4	T__	---	15116801	FDSN	OE	--	BUD	iLoc	BHE	???	_
VYHS	1.33	75.5	Sn	11:04:49.546	-0.1	T__	---	15116802	FDSN	SK	--	BUD	iLoc	HHN	???	_
MOA	1.80	260.5	Sn	11:05:01.407	-0.3	T__	---	15116803	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
2018/02/26	11:30:38.88	1.10	0.83	48.1219	19.0035	5.5	4.1	49	8.7F	7.1	17	9	110	0.11	1.63	m	ke BUD	15116804	iLoc			179

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15116804

Sta	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	358.5	Pg	11:30:41.494	-0.2					T__						15116806	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.11	358.5	Lg	11:30:43.424	-0.4					T__						15116807	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A270A	0.28	177.9	Pg	11:30:44.680	-0.2					T__						15116808	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.28	177.9	Lg	11:30:48.943	-0.4					T__						15116809	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	0.39	343.4	Pg	11:30:46.804	-0.1					T__						15116810	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.39	343.4	Lg	11:30:52.286	-0.6					T__						15116811	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.45	256.5	Pg	11:30:47.722	-0.4					T__						15116812	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.45	256.5	Lg	11:30:54.586	-0.2					T__						15116813	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A335A	0.55	306.4	Pg	11:30:50.018	-0.0					T__						15116814	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.55	306.4	Lg	11:30:57.409	-0.8					T__						15116815	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.63	108.5	Pg	11:30:52.218	-0.1					T__						15116816	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.63	108.5	Lg	11:31:00.840	-1.1					T__						15116817	FDSN	GE	--	BUD	iLoc	BHN	???	_
JAVC	1.15	310.3	Pn	11:31:01.399	1.0					T__						15116818	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.15	310.3	Lg	11:31:17.209	-0.7					T__						15116819	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MODS	1.18	282.9	Pn	11:31:02.482	1.8					T__						15116820	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.18	282.9	Sn	11:31:16.329	-1.0					T__						15116821	FDSN	SK	--	BUD	iLoc	HHE	???	_
A002B	1.63	279.4	Pg	11:31:10.012	-0.6					T__						15116822	FDSN	Z3	00	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	
2018/02/27	09:18:13.87	0.96	0.88	48.5131	20.8261	6.0	3.5	150	0.0S		20	9	118	0.23	2.23	m	kx BUD	15116823	iLoc				160

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

Magnitude	Err	Nsta	Author	OrigID
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M 1.6 6 BUD 15116823

Sta	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	262.6	Pg	09:18:18.364	-0.3					T__						15116825	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	262.6	Lg	09:18:21.301	-1.0					T__						15116826	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	262.6	Lg	09:18:22.200	-0.1					T__		0.6				15116827	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.57	47.0	Pg	09:18:25.292	0.4					T__						15116828	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	47.0	Lg	09:18:33.280	-1.1					T__						15116829	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.86	226.7	Lg	09:18:46.000	0.6					T__		0.1				15116830	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.86	226.7	Pg	09:18:31.717	-0.3					T__						15116831	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	226.7	Lg	09:18:45.763	0.3					T__						15116832	FDSN	GE	--	BUD	iLoc	BHE	???	_
STHS	0.95	16.8	Pg	09:18:32.014	0.7					T__						15116833	FDSN	SK	--	BUD	iLoc	EHZ	???	_
NIE	0.97	339.7	Pg	09:18:32.745	0.7					T__						15116834	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.97	339.7	Lg	09:18:45.682	-0.4					T__						15116835	FDSN	PL	--	BUD	iLoc	BHE	???	_
NIE	0.97	339.2	Pn	09:18:34.300	0.2					T__						15116836	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.05	65.8	Lg	09:18:50.475	-0.2					T__						15116837	FDSN	SK	--	BUD	iLoc	HHE	???	_
TRPA	1.21	107.9	Sn	09:18:54.700	-1.5					T__						15116838	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.21	107.9	Pn	09:18:38.198	0.7					T__						15116839	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.21	107.9	Sn	09:18:55.613	-0.6					T__						15116840	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.32	269.9	Pn	09:18:39.185	0.3					T__						15116841	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	269.9	Sn	09:18:56.868	-1.7					T__						15116842	FDSN	SK	--	BUD	iLoc	HHN	???	_
A268A	2.23	242.0	Pn	09:18:52.086	0.5					T__						15116843	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	2.23	242.0	Sn	09:19:22.329	1.5					T__						15116844	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
 2018/02/27 12:11:43.53 1.06 0.66 48.3925 17.2822 5.4 3.5 104 0.0S 15 10 104 0.02 1.06 m sx BUD 15116845 iLoc 126
 (description : suspected quarry blast)
 (locality : Rohoznik Slovakia)
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude Err Nsta Author OrigID
 M 2.0 7 BUD 15116845

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.02	190.1	Pg	12:11:44.775	0.3					T__						15116847	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.02	190.1	Lg	12:11:45.996	0.6					T__						15116848	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.23	211.5	Pg	12:11:49.414	0.8					T__						15116849	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.23	211.5	Lg	12:11:51.753	-0.8					T__						15116850	FDSN	SK	--	BUD	iLoc	HHN	???	_
A002B	0.46	266.6	Pg	12:11:52.039	-0.8					T__						15116851	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.53	28.8	Pg	12:11:54.317	-0.2					T__						15116852	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.53	28.8	Lg	12:12:02.923	0.3					T__						15116853	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.70	85.2	Pg	12:11:57.756	0.0					T__						15116854	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.89	61.8	Pn	12:12:02.061	-0.3					T__						15116855	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KRUC	0.89	319.1	Pg	12:12:00.093	-0.3					T__						15116856	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.89	319.1	Lg	12:12:14.094	1.0					T__						15116857	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.02	333.9	Pg	12:12:03.553	0.8					T__						15116858	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.02	333.9	Lg	12:12:17.938	0.9					T__						15116859	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	1.04	83.8	Sn	12:12:20.251	-0.4					T__						15116860	FDSN	SK	--	BUD	iLoc	HHE	???	_
CONA	1.06	244.5	Lg	12:12:20.099	-0.1					T__						15116861	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
 2018/02/27 16:17:24.47 1.28 1.04 47.1318 19.3218 9.9 5.2 119 0.0S 8 5 181 0.76 1.34 m kx BUD 15116862 iLoc 218
 (locality : Dabas Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.8 5 BUD 15116862

Sta	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	0.76	288.2	Pg	16:17:40.229	0.3					T__						15116864	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.76	288.2	Lg	16:17:50.148	-1.3					T__						15116865	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.88	26.0	Pg	16:17:43.172	0.0					T__						15116866	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	26.0	Lg	16:17:55.671	-1.3					T__						15116867	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.03	207.2	Pn	16:17:45.699	0.6					T__						15116868	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.03	207.2	Lg	16:17:59.825	-0.7					T__						15116869	FDSN	HU	--	BUD	iLoc	BHN	???	_
A336A	1.12	348.9	Pg	16:17:48.175	1.0					T__						15116870	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KOVH	1.34	219.3	Pg	16:17:51.447	0.0					T__						15116871	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
 2018/02/27 16:43:00.39 1.24 1.23 47.1570 19.2400 10.6 4.6 106 0.0S 10 6 173 0.70 1.33 m kx BUD 15116872 iLoc 212
 (locality : Dabas Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.9 6 BUD 15116872

Sta	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	0.70	287.5	Pn	16:43:16.030	-0.4					T__						15116874	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.88	30.0	Pn	16:43:18.964	-0.3					T__						15116875	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	30.0	Lg	16:43:31.497	-1.5					T__						15116876	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.03	203.8	Pn	16:43:21.249	0.2					T__						15116877	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.03	203.8	Lg	16:43:36.137	-0.2					T__						15116878	FDSN	HU	--	BUD	iLoc	BHE	???	_
A338A	1.05	325.3	Pg	16:43:22.927	1.3					T__						15116879	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.05	325.3	Lg	16:43:35.335	-1.7					T__						15116880	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A336A	1.09	351.5	Pg	16:43:23.970	1.6					T__						15116881	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KOVH	1.33	216.7	Pg	16:43:27.274	0.2					T__						15116882	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.33	216.7	Lg	16:43:46.281	-0.8					T__						15116883	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
 2018/02/28 08:15:33.58 1.35 0.67 47.3275 18.4077 11.4 5.1 69 0.0S 7 5 157 0.11 1.20 m kx BUD 15116884 iLoc 184
 (description : known 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	289.8	Pg	08:15:36.488	0.1					T__						15116886	FDSN	HU	--	BUD	iLoc	HHZ	???	_

CSKK	0.11	289.8	Lg	08:15:38.426	-0.2	T__	---	15116887	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.31	356.8	Lg	08:15:46.097	0.7	T__	---	15116888	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.38	172.4	Pg	08:15:41.279	-0.4	T__	---	15116889	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.38	172.4	Lg	08:15:48.266	0.4	T__	---	15116890	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A261A	0.94	246.9	Pg	08:15:41.045	-11.5	---	---	15116891	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.12	171.6	Lg	08:16:13.568	0.8	T__	---	15116892	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.20	13.7	Sn	08:16:14.052	-0.6	T__	---	15116893	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
2018/02/28	09:38:12.86	1.18	0.63	48.5960	20.7579	17.1	5.2	151	0.0S	11	6	150	0.21	1.28	m	kx	BUD	15116894	iLoc		167	
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15116894

Sta	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	238.2	Pg	09:38:17.874	0.6					T__						15116896	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	238.2	Lg	09:38:19.879	-0.9					T__						15116897	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	238.2	Lg	09:38:21.700	0.9					T__	0.7					15116898	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.56	56.4	Lg	09:38:33.257	0.5					T__						15116899	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.89	220.7	Pn	09:38:32.042	0.1					T__						15116900	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	220.7	Sn	09:38:46.493	-0.5					T__						15116901	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.06	70.8	Sn	09:38:50.970	-0.8					T__						15116902	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.23	253.4	Pg	09:38:37.393	-0.0					T__						15116903	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.23	253.4	Lg	09:38:55.380	0.0					T__						15116904	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.28	266.1	Pg	09:38:38.445	0.1					T__						15116905	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.1	Sn	09:38:56.256	-0.2					T__						15116906	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
2018/02/28	11:42:50.67	1.06	0.72	48.8176	21.5855	6.3	3.7	20	0.0S	16	10	95	0.12	3.43	m	kx	BUD	15116907	iLoc		119	
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	5	BUD	15116907

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CRVS	0.12	316.0	Pg	11:42:52.727	-0.5					T__						15116909	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.12	316.0	Lg	11:42:54.527	-1.1					T__						15116910	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOLS	0.47	75.4	Pg	11:43:00.517	0.7					T__						15116911	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.47	75.4	Lg	11:43:07.069	-0.5					T__						15116912	FDSN	SK	--	BUD	iLoc	HHN	???	_
HOLU	0.60	118.5	Pg	11:43:02.968	0.6					T__						15116913	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.60	118.5	Lg	11:43:12.378	-0.3					T__						15116914	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KECS	0.80	245.8	Pn	11:43:07.822	-0.7					T__						15116915	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.80	245.8	Lg	11:43:19.186	0.6					T__						15116916	FDSN	SK	--	BUD	iLoc	EHE	???	_
TRPA	0.94	136.9	Pg	11:43:08.826	0.1					T__						15116917	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.94	136.9	Lg	11:43:23.990	-0.6					T__						15116918	FDSN	HU	--	BUD	iLoc	BHN	???	_

NIE	1.03	306.2	Pg	11:43:10.280	0.3	T__	---	15116919	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	1.03	306.2	Lg	11:43:25.514	0.6	T__	---	15116920	FDSN	PL	--	BUD	iLoc	BHN	???	_
KWP	1.10	41.7	Lg	11:43:28.630	0.8	T__	---	15116921	FDSN	PL	--	BUD	iLoc	BHN	???	_
PSZ	1.44	232.0	Sn	11:43:39.362	0.0	T__	---	15116922	FDSN	GE	--	BUD	iLoc	BHN	???	_
VRAC	3.32	280.4	Pg	11:43:53.100	0.6	T__	---	15116923	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.43	276.0	Pg	11:43:56.300	1.2	T__	---	15116924	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
 2018/02/28 14:21:12.04 1.15 0.65 47.1114 19.4556 10.4 5.5 103 0.0S 10 7 110 0.86 1.53 m kx BUD 15116925 iLoc 192
 (locality : Dabas Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15116925

Sta	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	0.86	20.1	Pn	14:21:30.791	0.1					T__				_c_	15116927	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.86	20.1	Lg	14:21:42.909	-1.1					T__				---	15116928	FDSN	GE	--	BUD	iLoc	BHE	???	_	
MORH	1.06	212.2	Pn	14:21:33.492	0.4					T__				---	15116929	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MORH	1.06	212.2	Lg	14:21:48.379	-0.6					T__				---	15116930	FDSN	HU	--	BUD	iLoc	BHN	???	_	
AMBH	1.16	130.6	Lg	14:21:54.200	-0.0					T__				---	15116931	FDSN	IR	--	ISC	iLoc	???	???	_	
A336A	1.16	344.8	Pg	14:21:35.894	0.4					T__				---	15116932	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
KOVH	1.39	222.9	Pn	14:21:37.577	-0.3					T__				---	15116933	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
VYHS	1.45	343.4	Pn	14:21:39.170	0.5					T__				---	15116934	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
VYHS	1.45	343.4	Sn	14:21:58.593	-0.7					T__				---	15116935	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A335A	1.53	330.9	Sn	14:22:01.920	0.6					T__				---	15116936	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
 2018/02/28 14:48:06.68 1.10 1.22 47.0671 19.4482 7.4 6.1 177 0.0S 9 8 84 0.60 1.86 m kx BUD 15116937 iLoc 146
 (description : known quarry blast)
 (locality : Dabas Hungary)

Magnitude Err Nsta Author OrigID
 M 2.0 5 BUD 15116937

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
BSZH	0.60	67.1	Pg	14:48:20.117	0.1					T__				---	15116939	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
BSZH	0.60	67.1	Lg	14:48:29.777	-0.7					T__				---	15116940	FDSN	HU	--	BUD	iLoc	HHE	???	_	
PSZ	0.90	19.4	Pn	14:48:25.899	-0.0					T__				---	15116941	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
A269A	0.92	308.7	Pg	14:48:25.682	0.3					T__				---	15116942	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
MORH	1.02	213.3	Pn	14:48:27.994	0.8					T__				---	15116943	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
AMBH	1.13	128.7	Pg	14:48:30.900	0.6					T__		0.2		---	15116944	FDSN	IR	--	ISC	iLoc	???	???	_	
A265A	1.31	241.1	Sn	14:48:48.149	-2.5					T__				---	15116945	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
EGYH	1.48	284.4	Pn	14:48:34.364	0.5					T__				---	15116946	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
A332A	1.86	339.5	Sn	14:49:04.706	0.8					T__				---	15116947	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
2018/03/01	08:53:08.14	1.15	0.65	47.5655	18.4408	10.0	4.5	108	0.0S	10	5	158	0.08	1.36	m	kx	BUD	15116948	iLoc			202
2018/03/01	08:53:08.05f		0.57	47.5600	18.4573f				0.0S	10		159	0.09	1.35	m	kx	BUD_GT	15135048	BUD			207

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Tatabánya Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	5	BUD	15135048

Sta	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	08:53:10.771	0.3					T__						15137429	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.09	327.2	Lg	08:53:12.581	0.1					T__						15137430	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Pg	08:53:13.427	0.1					T__						15137431	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	08:53:18.058	0.6					T__						15137432	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.38	250.6	Pg	08:53:16.077	-0.1					T__						15137433	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A268A	0.38	250.6	Lg	08:53:21.288	-1.1					T__						15137434	FDSN	Z3	00	BUD	BUD	HHE	???	_
VYHS	0.97	15.1	Pn	08:53:27.880	-0.1					T__						15137435	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Lg	08:53:40.704	-1.2					T__						15137436	FDSN	SK	--	BUD	BUD	HHN	???	_
MORH	1.35	174.5	Pn	08:53:33.325	0.2					T__						15137437	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.35	174.5	Sn	08:53:53.172	0.4					T__						15137438	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
2018/03/02	08:55:12.87	1.07	1.01	48.6362	20.6928	12.7	3.7	142	0.0S	15	7	139	0.21	1.24	m	kx	BUD	15116960	iLoc			162

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

Magnitude	Err	Nsta	Author	OrigID
M	1.9	5	BUD	15116960

Sta	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	222.0	Pg	08:55:16.795	-0.4					T__						15116962	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	222.0	Lg	08:55:19.697	-0.8					T__						15116963	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	222.0	Lg	08:55:21.200	0.7					T__		0.5				15116964	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.57	62.1	Pg	08:55:23.538	-0.3					T__						15116965	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	62.1	Lg	08:55:31.711	-1.6					T__						15116966	FDSN	SK	--	BUD	iLoc	HHN	???	_
STHS	0.86	24.7	Pg	08:55:29.500	0.7					T__		0.1				15116967	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.86	24.7	Pn	08:55:30.812	-0.8					T__						15116968	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PODL	0.88	77.5	Pn	08:55:33.800	1.9					T__						15116969	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PODL	0.88	77.5	Sn	08:55:47.960	0.9					T__						15116970	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.89	216.9	Pg	08:55:31.817	0.1					T__						15116971	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	216.9	Lg	08:55:45.098	-0.5					T__						15116972	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOLS	1.09	73.5	Pn	08:55:34.900	-0.1					T__		4.5				15116973	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.09	73.5	Pn	08:55:35.372	0.4					T__						15116974	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.09	73.5	Lg	08:55:49.514	-1.5					T__						15116975	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.24	264.1	Pg	08:55:37.397	-0.2					T__						15116976	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
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2018/03/02 10:00:45.95 1.65 0.53 47.8610 19.8067 14.5 7.3 153 0.0S 6 4 199 0.08 1.16 m sx BUD 15116977 iLoc 268
 (locality : Gyöngyössolymos-II Hungary)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 MLv 1.4 0.5 2 BUD 15116977

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.08	45.8	Pg	10:00:47.954	-0.4					T__	40.6	211.1		---	MLv	1.9	15116979	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.08	45.8	Lg	10:00:50.295	-0.2					T__				---		15116980	FDSN	GE	--	BUD	iLoc	BHE	???	_	
KECS	0.77	35.9	Lg	10:01:13.693	0.6					T__				---		15116981	FDSN	SK	--	BUD	iLoc	EHE	???	_	
VVHS	0.91	314.6	Pn	10:01:05.281	0.3					T__	1.5	1.2		---	MLv	1.1	15116982	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VVHS	0.91	314.6	Lg	10:01:17.408	-0.2					T__				---		15116983	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CSKK	1.16	245.1	Lg	10:01:27.083	0.3					T__				---		15116984	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/03/02	11:00:56.73	0.36	0.12	48.1413	16.9117	9.5	1.4	147	0.0F	0.0	8	20		0.60	1.29	a	sx VIE	15103519	ISC			360
2018/03/02	11:00:56.52	1.02	1.01	48.1816	16.8868	10.0	3.8	142	0.0S		15	7	119	0.15	1.31	m	sx BUD	15116993	iLoc			150

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

Magnitude Err Nsta Author OrigID
 ml 1.5 VIE 15103519
 MLv 2.1 0.3 2 BUD 15116993

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
ZST	0.15	84.2	Pg	11:00:59.488	-0.5					T__	4.9	523.7		---	MLv	2.4	15116995	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
MODS	0.32	53.6	Pg	11:01:03.038	-0.5					T__				---		15116996	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.32	53.6	Lg	11:01:07.402	-1.4					T__				---		15116997	FDSN	SK	--	BUD	iLoc	HHN	???	_	
SOP	0.55	204.0	Lg	11:01:17.338	1.6					T__				---		15116998	FDSN	HU	--	BUD	iLoc	BHN	???	_	
RONA	0.62	219.7	Pg	11:01:08.267	-0.9					T__		0.7	0.10	---		15116999	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	0.62	219.7	Lg	11:01:16.843	-1.6					T__		2.7	0.22	---		15117000	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	0.73	250.1	x	11:01:12.707	-99.0					---	1.7	8.3		---	MLv	15117001	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_	
CONA	0.73	250.1	Lg	11:01:22.656	0.6					T__				---		15117002	FDSN	OE	--	BUD	iLoc	BHN	???	_	
CONA	0.73	250.1	Pg	11:01:10.820	-0.3					T__		0.3	0.26	---		15117003	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	0.73	250.1	Lg	11:01:21.398	-0.7					T__		1.0	0.20	---		15117004	FDSN	IR	--	ISC	iLoc	???	???	_	
JAVC	0.86	37.3	Pn	11:01:16.500	1.3					T__				---		15117005	FDSN	IR	--	ISC	iLoc	???	???	_	
JAVC	0.86	37.3	Sn	11:01:30.100	0.6					T__				---		15117006	FDSN	IR	--	ISC	iLoc	???	???	_	
VRAC	1.14	350.3	Sn	11:01:35.760	-0.3					T__				---		15117007	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
ARSA	1.31	225.2	Pg	11:01:21.678	-0.3					T__		1.5	0.36	---		15117008	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.31	225.2	Sn	11:01:39.671	-0.6					T__		2.3	0.46	---		15117009	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.31	225.2	Lg	11:01:40.239	-0.5					T__				---		15117010	FDSN	OE	--	BUD	iLoc	BHE	???	_	
GIUL	7.11	202.6	Lg	11:04:34.650	-12.9					---				---		15117011	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
2018/03/02	11:59:51.68	0.93	0.89	48.8691	20.9211	4.6	3.6	162	0.0S		25	15	92	0.36	2.92	m	kx BUD	15117042	iLoc			130

(description : known quarry blast)
 (locality : Jaklovce Slovakia)

Magnitude Err Nsta Author OrigID
M 2.1 9 BUD 15117042

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.36	84.5	Pg	11:59:58.396	-0.3					T__						15117044	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.36	84.5	Lg	12:00:03.575	-1.2					T__						15117045	FDSN	SK	--	BUD	iLoc	HHE	???	_
KECS	0.48	216.9	Pg	12:00:01.355	0.0					T__						15117046	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.48	216.9	Lg	12:00:08.456	-0.2					T__						15117047	FDSN	SK	--	BUD	iLoc	EHE	???	_
STHS	0.59	21.0	Pg	12:00:02.883	0.3					T__						15117048	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.59	21.0	Lg	12:00:11.309	-0.2					T__						15117049	FDSN	SK	--	BUD	iLoc	EHN	???	_
NIE	0.68	324.3	Pg	12:00:04.899	0.4					T__						15117050	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.68	324.3	Lg	12:00:14.276	-0.1					T__						15117051	FDSN	PL	--	BUD	iLoc	BHE	???	_
KOLS	0.89	85.4	Pg	12:00:09.725	1.1					T__						15117052	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.89	85.4	Lg	12:00:23.408	0.2					T__						15117053	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.00	286.9	Pg	12:00:10.642	-0.6					T__						15117054	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.00	286.9	Lg	12:00:26.282	0.4					T__						15117055	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	1.17	216.1	Pn	12:00:15.093	0.3					T__						15117056	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.17	216.1	Sn	12:00:31.394	-1.8					T__						15117057	FDSN	GE	--	BUD	iLoc	BHE	???	_
TRPA	1.31	123.9	Pg	12:00:16.844	0.1					T__						15117058	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KWP	1.40	56.3	Lg	12:00:38.207	-0.6					T__						15117059	FDSN	PL	--	BUD	iLoc	BHN	???	_
A336A	1.43	244.2	Sn	12:00:38.365	-0.6					T__						15117060	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.43	255.6	Pg	12:00:20.023	-0.1					T__						15117061	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.43	255.6	Sn	12:00:38.189	-1.1					T__						15117062	FDSN	SK	--	BUD	iLoc	HHN	???	_
OJC	1.54	332.0	Pn	12:00:20.967	0.8					T__						15117063	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.54	332.0	Sn	12:00:40.938	-2.1					T__						15117064	FDSN	PL	--	BUD	iLoc	BHE	???	_
A332A	1.62	268.6	Pn	12:00:20.825	-0.1					T__						15117065	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.91	244.4	Pn	12:00:26.518	1.7					T__						15117066	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.91	244.4	Sn	12:00:51.574	0.6					T__						15117067	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A002B	2.92	261.6	Sn	12:01:16.476	0.7					T__						15117068	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
2018/03/02 14:00:21.59 1.24 2.03 47.1979 19.2180 10.9 5.3 109 0.0S 9 7 169 0.31 1.35 m kx BUD 15117083 iLoc 210
(description : known quarry blast)
(locality : Dabas Hungary)

Magnitude Err Nsta Author OrigID
M 1.7 4 BUD 15117083

Sta	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	0.31	335.3	Pg	14:00:31.015	2.4					T__						15117085	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A269A	0.72	308.2	Lg	14:00:44.662	-2.5					T__						15117086	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.85	32.2	Pn	14:00:40.455	0.3					T__						15117087	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.85	32.2	Lg	14:00:50.684	-2.6					T__						15117088	FDSN	GE	--	BUD	iLoc	BHE	???	_
A266A	0.94	224.6	Pn	14:00:41.033	-0.0					T__						15117089	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.05	352.0	Lg	14:00:56.529	-1.7					T__						15117090	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.06	202.1	Pn	14:00:43.152	0.5					T__						15117091	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.06	202.1	Lg	14:00:57.249	-1.4					T__						15117092	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.35	215.2	Sn	14:01:05.798	-0.9					T__						15117093	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
 2018/03/02 14:26:13.75 1.45 1.32 47.1161 19.4389 7.9 5.3 115 0.0S 7 4 139 0.46 1.05 m kx BUD 15117094 iLoc 250
 (locality : Dabas Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15117094

Sta	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	0.46	322.6	Pg	14:26:24.855	1.1					T__						15117096	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BUD	0.46	322.6	Lg	14:26:29.893	-1.6					T__						15117097	FDSN	HU	--	BUD	iLoc	BHE	???	_
BSZH	0.59	71.7	Pg	14:26:27.374	0.5					T__						15117098	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.86	20.9	Pg	14:26:32.972	0.9					T__						15117099	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	20.9	Lg	14:26:44.651	-1.0					T__						15117100	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.05	211.6	Pg	14:26:35.465	0.6					T__						15117101	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.05	211.6	Lg	14:26:49.765	-0.9					T__						15117102	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
 2018/03/03 09:05:45.62 1.17 0.94 48.6608 20.6697 8.1 4.7 143 0.0S 12 6 149 0.22 1.69 m kx BUD 15117069 iLoc 272
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 6 BUD 15117069

Sta	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	214.6	Pg	09:05:50.502	0.4					T__						15117071	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	214.6	Lg	09:05:52.953	-0.6					T__						15117072	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	214.6	Lg	09:05:53.900	0.3					T__		0.7				15117073	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	64.9	Pg	09:05:57.442	0.8					T__						15117074	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	64.9	Lg	09:06:04.498	-1.7					T__						15117075	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.91	215.2	Pg	09:06:03.913	-0.7					T__						15117076	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	215.2	Lg	09:06:17.926	-0.8					T__						15117077	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.93	302.2	Pn	09:06:06.185	0.9					T__						15117078	FDSN	SK	--	BUD	iLoc	EZH	???	_
VYHS	1.23	262.9	Pg	09:06:10.428	0.3					T__						15117079	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.23	262.9	Lg	09:06:28.624	0.5					T__						15117080	FDSN	SK	--	BUD	iLoc	HHN	???	_
A331A	1.69	287.8	Pg	09:06:17.170	-1.1					T__						15117081	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	1.69	287.8	Sn	09:06:39.052	-0.5					T__						15117082	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
 2018/03/03 09:59:23.95 1.37 0.63 45.6684 19.5168 8.2 4.9 39 2.9F 12.6 12 7 120 0.58 2.08 m ke BUD 15117103 iLoc 185

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15117103

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
FRGS	0.58	157.1	Pg	09:59:35.781	0.4					T__						15117105	FDSN	SJ	--	BUD	iLoc	HHZ	???	_

FRGS	0.58	157.1	Lg	09:59:43.736	-0.5	T__	---	15117106	FDSN	SJ	--	BUD	iLoc	HHE	???	_
MORH	0.82	312.3	Pn	09:59:41.418	0.5	T__	---	15117107	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.82	312.3	Lg	09:59:51.832	-0.6	T__	---	15117108	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.08	293.5	Pg	09:59:46.068	0.6	T__	---	15117109	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.08	293.5	Sn	09:59:59.936	-0.9	T__	---	15117110	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	1.20	259.4	Pn	09:59:46.548	0.0	T__	---	15117111	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.20	259.4	Sn	10:00:03.558	-0.4	T__	---	15117112	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A267A	1.47	331.1	Pg	09:59:52.539	-0.2	T__	---	15117113	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BZS	1.49	91.2	Pg	09:59:52.887	-0.0	T__	---	15117114	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.49	91.2	Lg	10:00:13.600	-0.3	T__	---	15117115	FDSN	RO	--	BUD	iLoc	BHN	???	_
A268A	2.08	328.6	Sn	10:00:26.216	0.8	T__	---	15117116	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
2018/03/03	23:40:59.96	1.29	0.89	45.9706	17.1943	6.0	4.5	27	9.7F	9.1	17	9	127	0.20	1.04	m	ke BUD	15117129	iLoc			187

Magnitude	Err	Nsta	Author	OrigID
M	2.1	7	BUD	15117129

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A264A	0.20	19.2	Pg	23:41:03.783	-0.8				T__		---				15117131	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A264A	0.20	19.2	Lg	23:41:07.545	-0.6				T__		---				15117132	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
BEHE	0.58	330.0	Pg	23:41:12.719	0.9				T__		---				15117133	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
BEHE	0.58	330.0	Lg	23:41:22.308	1.7				T__		---				15117134	FDSN	HU	--	BUD	iLoc	BHN	???	_	
A265A	0.62	42.4	Pg	23:41:12.974	0.4				T__		---				15117135	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A265A	0.62	42.4	Lg	23:41:23.046	1.3				T__		---				15117136	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
KOVH	0.64	79.1	Pg	23:41:13.693	0.6				T__		---				15117137	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
KOVH	0.64	79.1	Lg	23:41:23.599	1.0				T__		---				15117138	FDSN	HU	--	BUD	iLoc	BHN	???	_	
A263A	0.68	7.1	Pg	23:41:13.666	0.0				T__		---				15117139	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A263A	0.68	7.1	Lg	23:41:22.461	-1.2				T__		---				15117140	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A252A	0.70	139.2	Pg	23:41:14.566	0.3				T__		---				15117141	FDSN	Z3	--	BUD	iLoc	BHZ	???	_	
A252A	0.70	139.2	Lg	23:41:24.252	-0.2				T__		---				15117142	FDSN	Z3	--	BUD	iLoc	BHE	???	_	
KOGS	0.81	306.4	Pg	23:41:16.041	0.0				T__		---				15117143	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
KOGS	0.81	306.4	Lg	23:41:27.790	0.1				T__		---				15117144	FDSN	SL	--	BUD	iLoc	BHN	???	_	
PTJ	0.86	266.2	Pg	23:41:16.927	0.1				T__		---				15117145	FDSN	CR	--	BUD	iLoc	BHZ	???	_	
MORH	1.04	75.8	Pn	23:41:18.947	-0.7				T__		---				15117146	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MORH	1.04	75.8	Sn	23:41:34.848	-0.1				T__		---				15117147	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
2018/03/05	09:54:34.84	3.24	0.69	48.4605	20.7368	22.4	13.5	64	0.0S		10	5	292	0.17	1.80	m	kx BUD	15117117	iLoc			326

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

Magnitude	Err	Nsta	Author	OrigID
M	1.9	5	BUD	15117117

Sta	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	277.8	Pg	09:54:38.579	0.1				T__		---				15117119	FDSN	SK	--	BUD	iLoc	EHE	???	_	
KECS	0.17	277.8	Lg	09:54:41.180	-0.1				T__		---				15117120	FDSN	SK	--	BUD	iLoc	EHN	???	_	

KECS	0.17	277.8	Lg	09:54:42.400	1.1	T__	1.0	---	15117121	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.78	226.4	Pn	09:54:52.457	0.1	T__		---	15117122	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.78	226.4	Sn	09:55:06.002	-0.2	T__		---	15117123	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.18	259.6	Pn	09:54:57.960	0.3	T__		---	15117124	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.18	259.6	Sn	09:55:14.648	-1.0	T__		---	15117125	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.27	272.2	Pn	09:54:59.160	0.2	T__		---	15117126	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	272.2	Sn	09:55:17.093	-0.9	T__		---	15117127	FDSN	SK	--	BUD	iLoc	HHN	???	_
A331A	1.80	293.5	Pn	09:55:06.459	-0.1	T__		---	15117128	FDSN	Z3	00	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
 2018/03/05 10:14:09.35 1.25 0.43 47.3564 18.3846 7.8 4.7 80 0.0S 9 5 155 0.08 1.18 m kx BUD 15117148 iLoc 188
 (description : known quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 M 1.8 4 BUD 15117148

Sta	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	274.7	Pg	10:14:11.814	0.1					T__						15117150	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.08	274.7	Lg	10:14:13.799	0.1					T__						15117151	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.28	359.7	Lg	10:14:19.915	-0.3					T__						15117152	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.42	170.8	Pg	10:14:18.187	0.2					T__						15117153	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.42	170.8	Lg	10:14:24.401	-0.3					T__						15117154	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.15	171.0	Pg	10:14:32.933	0.6					T__						15117155	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.15	171.0	Lg	10:14:49.167	-0.4					T__						15117156	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.18	14.8	Pg	10:14:33.442	0.4					T__						15117157	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.18	14.8	Sn	10:14:49.371	-0.5					T__						15117158	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
 2018/03/05 12:10:10.29 1.54 0.82 47.2469 18.4496 19.2 5.6 76 0.0S 6 4 179 0.17 1.04 m kx BUD 15117159 iLoc 220
 2018/03/05 12:10:10.51f 0.90 47.2302 18.2835f 0.0S 6 172 0.13 1.04 m kx BUD_GT 15135072 BUD 188
 (locality : Iszkaszentgyörgy Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 MLv 1.5 0.5 2 BUD 15135072

Sta	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	12:10:14.672	0.8					T__		76.5			MLv	15137439	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	12:10:17.114	0.6					T__						15137440	FDSN	HU	--	BUD	BUD	HHN	???	_
A269A	0.41	9.3	Lg	12:10:24.185	-1.6					T__						15137441	FDSN	Z3	00	BUD	BUD	HHN	???	_
A266A	0.71	181.1	Lg	12:10:35.738	0.0					T__						15137442	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	1.04	166.1	Pg	12:10:31.466	0.1					T__		0.9			MLv	15137443	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	12:10:46.020	-1.1					T__						15137444	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
2018/03/06	12:21:53.43	1.45	0.15	47.3280	18.2908	12.3	6.3	87	5.8F	0.6	7	4	143	0.04	1.25	m	ke BUD	15117175	iLoc			234

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.7	3 BUD	15117175

Sta	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	329.8	Pg	12:21:55.089	0.0					T__	60.2	1834.4		_c_	MLv	2.7	15117177	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.04	329.8	Lg	12:21:56.304	-0.1					T__				---		15117178	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.7 1																									
MORH	1.14	167.6	Pg	12:22:15.997	0.0					T__	2.0	1.7		---	MLv	1.4	15117179	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.14	167.6	Lg	12:22:32.093	-0.0					T__				---		15117180	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.4 1																									
PSZ	1.24	60.8	Pg	12:22:19.280	0.2					T__	1.4	4.4		---	MLv	1.8	15117181	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.24	60.8	Lg	12:22:36.180	-0.0					T__				---		15117182	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.8 1																									
KOVH	1.25	186.1	Lg	12:22:35.660	-0.1					T__				---		15117183	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
2018/03/06	12:34:54.60	1.10	0.66	47.3586	18.2487	8.3	4.4	97	3.8F	6.3	13	9	98	0.01	1.27	m	ke BUD	15117197	iLoc			154

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7		6 BUD	15117197

Sta	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	0.01	60.0	Pg	12:34:55.447	-0.1					T__				---		15117199	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.01	60.0	Lg	12:34:56.466	-0.0					T__				---		15117200	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.23	288.4	Lg	12:35:02.495	-0.7					T__				---		15117201	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.29	17.9	Pg	12:35:01.229	0.5					T__				---		15117202	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.29	17.9	Lg	12:35:06.033	0.8					T__				---		15117203	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.44	158.8	Lg	12:35:10.263	-0.0					T__				---		15117204	FDSN	Z3	00	BUD	iLoc	HHE	???	_
TIH	0.52	208.4	Pg	12:35:05.887	0.8					T__				---		15117205	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A335A	1.09	3.1	Pg	12:35:16.364	0.1					T__				---		15117206	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.18	166.5	Pn	12:35:17.010	0.4					T__				---		15117207	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.18	166.5	Sn	12:35:32.791	-1.0					T__				---		15117208	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.20	19.0	Pg	12:35:18.423	-0.1					T__				---		15117209	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.20	19.0	Sn	12:35:33.902	-0.5					T__				---		15117210	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOVH	1.27	184.7	Lg	12:35:37.364	-0.6					T__				---		15117211	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
2018/03/07	08:39:56.64	1.39	0.42	47.3547	18.3731	8.7	6.7	89	0.0S		6	3	155	0.08	1.18	m	kx BUD	15117212	iLoc			261

(description : known quarry blast)

(locality : Gánt Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.3	3 BUD	15117212

Sta	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	276.4	Pg	08:39:59.073	0.2					T__	55.9	1686.6		---	MLv	2.7	15117214	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.08	276.4	Lg	08:40:00.631	-0.1					T__				---		15117215	FDSN	HU	--	BUD	iLoc	HHN	???	_			
(Station ML : 2.7 1																											
MORH	1.15	170.6	Pg	08:40:19.915	0.3					T__	1.8	1.1		---	MLv	1.2	15117216	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MORH	1.15	170.6	Sn	08:40:36.153	-0.4					T__				---		15117217	FDSN	HU	--	BUD	iLoc	BHZ	???	_			
(Station ML : 1.2 1																											
VYHS	1.18	15.1	Pg	08:40:20.642	0.3					T__	1.5	0.7		---	MLv	1.0	15117218	FDSN	SK	--	BUD	iLoc	HHN	HHZ	_		
VYHS	1.18	15.1	Sn	08:40:36.811	-0.4					T__				---		15117219	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
 2018/03/07 08:40:39.59 1.37 0.76 47.3676 18.3706 10.3 5.6 131 0.0S 10 9 109 0.07 1.29 m kx BUD 15117233 iLoc 155
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
 (description : known quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 ML 2.5 0.1 3 BUD 15117233

Sta	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	266.7	Pg	08:40:42.177	0.4					T__	11.6	1152.9		---	MLv	2.6	15117235	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.07	266.7	Lg	08:40:44.046	0.4					T__				---		15117236	FDSN	HU	--	BUD	iLoc	HHN	???	_			
(Station ML : 2.6 1																											
A269A	0.27	1.7	Lg	08:40:50.068	0.0					T__				---		15117237	FDSN	Z3	00	BUD	iLoc	HHE	???	_			
A339A	0.67	314.0	Pg	08:40:53.935	0.5					T__	2.2	41.9		---	MLv	2.5	15117238	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 2.5 1																											
A003A	0.97	294.2	Lg	08:41:12.137	-1.6					T__				---		15117239	FDSN	Z3	00	BUD	iLoc	HH3	???	_			
A335A	1.08	358.8	Pg	08:41:01.697	0.4					T__	2.5	5.9		---	MLv	1.9	15117240	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_		
(Station ML : 1.9 1																											
MORH	1.17	170.6	Sn	08:41:19.222	-0.6					T__				---		15117241	FDSN	HU	--	BUD	iLoc	BHE	???	_			
PSZ	1.17	61.3	Sn	08:41:20.053	-0.3					T__				---		15117242	FDSN	GE	--	BUD	iLoc	BHN	???	_			
VYHS	1.17	15.4	Lg	08:41:19.984	-0.2					T__				---		15117243	FDSN	SK	--	BUD	iLoc	HHN	???	_			
KOVH	1.29	188.4	Sn	08:41:23.342	0.2					T__				---		15117244	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
 2018/03/07 09:14:32.89 1.20 1.15 48.6065 20.7330 11.9 4.5 147 0.0S 12 7 161 0.21 2.20 m kx BUD 15117258 iLoc 301
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15117258

Sta	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	233.2	Pg	09:14:36.680	-0.5					T__				---		15117260	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	233.2	Lg	09:14:39.509	-1.0					T__				---		15117261	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	233.2	Lg	09:14:40.800	0.3					T__		1.1		---		15117262	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.57	58.2	Pg	09:14:43.683	-0.1					T__				---		15117263	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	58.2	Lg	09:14:51.770	-1.3					T__				---		15117264	FDSN	SK	--	BUD	iLoc	HHE	???	_

PSZ	0.89	219.4	Pg	09:14:51.105	-0.5	T__	---	15117265	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	219.4	Lg	09:15:03.865	-1.5	T__	---	15117266	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.21	252.7	Lg	09:15:15.249	0.3	T__	---	15117267	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.27	265.6	Pg	09:14:57.835	-0.3	T__	---	15117268	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	265.6	Sn	09:15:15.223	-0.9	T__	---	15117269	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.52	278.4	Pg	09:15:01.615	-1.1	T__	---	15117270	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	2.20	250.4	Pn	09:15:12.156	2.0	T__	---	15117271	FDSN	Z3	00	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
2018/03/07	09:37:02.30	1.13	0.82	48.2313	18.7983	4.7	3.7	17	0.0S		18	9	104	0.13	1.03	m	kx	BUD	15117272	iLoc		127
(locality : Teplicky Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15117272

Sta	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	0.13	89.1	Pg	09:37:05.175	-0.1					T__						15117274	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.13	89.1	Lg	09:37:07.828	0.4					T__						15117275	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.26	5.5	Pg	09:37:07.570	-0.2					T__						15117276	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.26	5.5	Lg	09:37:11.828	-0.1					T__						15117277	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.37	234.3	Pg	09:37:09.565	-0.4					T__						15117278	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.37	234.3	Lg	09:37:16.423	0.8					T__						15117279	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.38	305.1	Pg	09:37:09.661	-0.4					T__						15117280	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.38	305.1	Lg	09:37:16.324	0.5					T__						15117281	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.80	112.7	Pg	09:37:19.480	0.3					T__						15117282	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.80	112.7	Lg	09:37:29.693	-2.1					T__						15117283	FDSN	GE	--	BUD	iLoc	BHE	???	_
JAVC	0.98	310.4	Pg	09:37:21.765	-0.1					T__						15117284	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.98	310.4	Lg	09:37:36.029	-0.2					T__						15117285	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.98	310.4	Pg	09:37:21.200	-0.7					T__						15117286	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	0.99	216.7	Pg	09:37:21.476	-0.7					T__						15117287	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	1.00	337.6	Pg	09:37:21.546	-0.2					T__						15117288	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	1.00	337.6	Lg	09:37:34.824	-1.3					T__						15117289	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MODS	1.03	278.5	Pn	09:37:24.119	1.0					T__						15117290	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.03	278.5	Lg	09:37:37.137	-0.8					T__						15117291	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
2018/03/07	11:22:21.92	0.89	0.39	46.3768	17.2734	10.2	1.7	96	8.0F	0.0	10		8	1.48	1.82	a	ke	VIE	15103557	ISC		360
2018/03/07	11:22:23.88	0.96	0.88	46.3911	17.2571	3.2	2.7	157	11.1F	6.3	50	25	67	0.23	2.36	m	ke	BUD	15117292	iLoc		85

Magnitude	Err	Nsta	Author	OrigID
mb	1.8		VIE	15103557
m1	2.1		VIE	15103557
M	2.3	14	BUD	15117292

Sta	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	0.23	174.5	Pg	11:22:29.811	0.6					T__						15117294	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.23	174.5	Lg	11:22:32.259	-1.0					T__						15117295	FDSN	Z3	00	BUD	iLoc	HHE	???	_

A263A	0.25	9.1	Pg	11:22:29.165	-0.4	T__									15117296	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.25	9.1	Lg	11:22:33.129	-0.7	T__									15117297	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BEHE	0.34	283.6	Pg	11:22:31.016	-0.2	T__									15117298	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.34	283.6	Lg	11:22:36.181	-0.6	T__									15117299	FDSN	HU	--	BUD	iLoc	BHE	???	_
A265A	0.37	84.7	Pg	11:22:32.236	0.4	T__									15117300	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.37	84.7	Lg	11:22:38.683	1.0	T__									15117301	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KALN	0.61	245.2	Pg	11:22:35.760	-0.7	T__									15117302	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.61	245.2	Lg	11:22:45.920	0.2	T__									15117303	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.66	117.1	Pg	11:22:36.906	-0.4	T__									15117304	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.66	117.1	Lg	11:22:45.921	-1.0	T__									15117305	FDSN	HU	--	BUD	iLoc	BHN	???	_
TIH	0.67	40.3	Pg	11:22:36.664	-0.7	T__									15117306	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.67	40.3	Lg	11:22:46.350	-0.7	T__									15117307	FDSN	HU	--	BUD	iLoc	HHN	???	_
A262A	0.69	313.5	Pn	11:22:38.199	-0.4	T__									15117308	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.69	313.5	Lg	11:22:48.497	0.9	T__									15117309	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOGS	0.70	275.0	Pg	11:22:37.700	-0.1	T__				1.1					15117310	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.70	275.0	Lg	11:22:47.600	-0.3	T__				1.1					15117311	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.86	254.4	Pg	11:22:40.160	-0.7	T__									15117312	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.86	254.4	Lg	11:22:52.000	-1.1	T__									15117313	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.98	99.8	Pn	11:22:42.115	-0.3	T__									15117314	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.98	99.8	Lg	11:22:55.751	-1.4	T__									15117315	FDSN	HU	--	BUD	iLoc	BHN	???	_
A267A	1.01	56.2	Pg	11:22:44.067	0.3	T__									15117316	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.01	56.2	Lg	11:22:57.441	-0.5	T__									15117317	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PTJ	1.02	242.1	Pn	11:22:44.025	0.7	T__									15117318	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	1.02	242.1	Sn	11:22:58.680	0.1	T__									15117319	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	1.02	242.1	Pn	11:22:43.710	0.1	T__									15117320	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	1.02	242.1	Lg	11:22:58.390	-0.4	T__									15117321	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.03	2.8	Sn	11:22:59.141	0.7	T__									15117322	FDSN	HU	--	BUD	iLoc	HHE	???	_
A252A	1.04	156.4	Pg	11:22:44.214	-0.5	T__									15117323	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.04	156.4	Lg	11:22:58.275	-0.7	T__									15117324	FDSN	Z3	--	BUD	iLoc	BHE	???	_
A010A	1.06	310.5	Lg	11:22:59.333	0.2	T__									15117325	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	1.14	23.5	Lg	11:23:01.659	-0.3	T__									15117326	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	1.19	34.9	Pg	11:22:46.543	-0.8	T__									15117327	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	1.19	34.9	Lg	11:23:03.377	-0.4	T__									15117328	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRES	1.37	246.4	Pg	11:22:49.998	-0.5	T__									15117329	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.37	246.4	Lg	11:23:09.447	0.2	T__									15117330	FDSN	SL	--	BUD	iLoc	BHE	???	_
SOP	1.38	340.0	Pn	11:22:49.210	1.0	T__									15117331	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	1.38	340.0	Sn	11:23:07.907	1.0	T__									15117332	FDSN	HU	--	BUD	iLoc	BHE	???	_
RONA	1.46	333.7	Pn	11:22:50.875	1.4	T__				1.5	0.20				15117333	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.46	333.7	Lg	11:23:11.433	-1.2	T__				8.4	0.44				15117334	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.47	306.5	Pg	11:22:52.306	0.0	T__									15117335	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.47	306.5	Lg	11:23:11.881	-0.2	T__									15117336	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.47	306.5	Pg	11:22:50.818	-1.5	T__				1.9	0.38				15117337	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.47	306.5	Pb	11:22:52.500	0.2	T__				0.1					15117338	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.81	328.7	Pg	11:22:56.766	-2.5	T__									15117339	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.81	328.7	Sn	11:23:20.202	2.3	T__									15117340	FDSN	OE	--	BUD	iLoc	BHE	???	_
OBKA	1.88	274.6	Pn	11:22:55.419	0.2	T__									15117341	FDSN	OE	--	BUD	iLoc	BHZ	???	_
VYHS	2.36	26.4	Pn	11:23:02.760	0.8	T__									15117342	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	2.36	26.4	Sn	11:23:29.771	-1.1	T__									15117343	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
2018/03/08	09:26:14.78	0.21	0.48	46.9466	22.3243	1.6	1.4	163	5.4F	1.8	29	93		0.31	4.25	a	ke BUC	15103591	ISC			360

2018/03/08 09:26:13.28 0.90 0.81 46.9863 22.3070 3.4 3.0 13 0.0A 60 24 50 0.34 4.23 m ke BUD 15117417 iLoc 74

Magnitude Err Nsta Author OrigID
 ml 2.0 BUC 15103591
 M 2.3 11 BUD 15117417

Sta	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	124.9	Pg	09:26:20.630	0.2					T__						15117419	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.34	124.9	Lg	09:26:25.447	-0.8					T__						15117420	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.34	125.0	Pg	09:26:20.751	0.4					T__						15117421	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.34	125.0	Pg	09:26:20.751	0.4					T__		0.2				15117422	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.34	125.0	Lg	09:26:25.727	-0.5					T__		0.2				15117423	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.37	286.4	Pg	09:26:22.045	0.7					T__						15117424	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.37	286.4	Pg	09:26:22.045	0.7					T__		0.5				15117425	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.37	286.4	Lg	09:26:28.976	1.1					T__		0.5				15117426	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	118.8	Pg	09:26:26.299	0.2					T__						15117427	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	118.8	Pg	09:26:26.299	0.2					T__						15117428	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	118.8	Lg	09:26:34.909	-1.6					T__						15117429	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	212.0	Lg	09:26:41.834	-1.7					T__						15117430	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	211.8	Pg	09:26:30.332	-0.3					T__						15117431	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.85	211.8	Lg	09:26:42.110	-1.5					T__						15117432	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.93	106.7	Pg	09:26:31.676	0.1					T__						15117433	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.93	106.7	Pg	09:26:32.084	0.5					T__						15117434	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	106.7	Pg	09:26:32.084	0.5					T__		0.1				15117435	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	106.7	Lg	09:26:44.931	-1.1					T__		0.1				15117436	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.06	49.2	Pn	09:26:35.315	0.3					T__						15117437	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BMR	1.06	49.2	Lg	09:26:49.978	-1.3					T__						15117438	FDSN	RO	--	BUD	iLoc	BHN	???	_
BMR	1.06	49.2	Pn	09:26:35.206	0.1					T__						15117439	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.06	49.2	Pn	09:26:35.206	0.1					T__		0.1				15117440	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.16	7.7	Pg	09:26:35.496	-0.3					T__						15117441	FDSN	HU	--	BUD	iLoc	BHZ	???	_
DEV	1.17	159.4	Pn	09:26:37.072	1.0					T__						15117442	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	1.18	159.3	Lg	09:26:52.659	-0.4					T__		0.1				15117443	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	185.9	Pg	09:26:37.555	0.2					T__						15117444	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	185.9	Pg	09:26:37.555	0.2					T__						15117445	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.24	185.9	Lg	09:26:54.098	-1.0					T__						15117446	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.40	85.2	Pg	09:26:41.036	0.6					T__						15117447	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.44	198.9	Pn	09:26:40.026	0.2					T__						15117448	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.44	198.9	Sn	09:27:00.367	-0.2					T__						15117449	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.45	199.5	Sn	09:27:00.713	-0.1					T__						15117450	FDSN	IR	--	ISC	iLoc	???	???	_
HOLU	1.54	1.9	Pn	09:26:41.040	-0.7					T__						15117451	FDSN	UA	--	BUD	iLoc	MHZ	???	_
GZR	1.63	168.3	Pn	09:26:43.616	1.0					T__						15117452	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.63	168.3	Pg	09:26:43.797	-0.5					T__						15117453	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.3	Pg	09:26:43.797	-0.5					T__						15117454	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.3	Pg	09:26:45.232	0.9					T__						15117455	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.63	168.3	Sn	09:27:06.331	0.7					T__						15117456	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	168.3	Sn	09:27:06.434	0.8					T__						15117457	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.84	146.0	Pn	09:26:47.057	1.1					T__						15117458	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	146.0	Pn	09:26:47.057	1.1					T__						15117459	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.84	146.0	Sn	09:27:10.403	-1.1					T__						15117460	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.85	146.1	Pn	09:26:46.793	0.8					T__						15117461	FDSN	RO	--	BUD	iLoc	BHZ	???	_
PSZ	1.88	300.5	Pn	09:26:45.657	-0.8					T__						15117462	FDSN	GE	--	BUD	iLoc	BHZ	???	_
KOLS	1.95	359.3	Pn	09:26:47.721	0.2					T__						15117463	FDSN	SK	--	BUD	iLoc	HHZ	???	_
BURAR	2.08	71.3	Pn	09:26:50.783	1.0					T__						15117464	FDSN	IR	--	ISC	iLoc	???	???	_

BURAR	2.08	71.3	Pn	09:26:50.783	1.0	T__	---	15117465	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.08	71.3	Sn	09:27:17.401	-0.3	T__	---	15117466	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.11	177.9	Pn	09:26:50.212	0.9	T__	---	15117467	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.11	177.9	Pn	09:26:50.212	0.9	T__	---	15117468	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.24	190.9	Pn	09:26:51.171	-0.2	T__	---	15117469	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.24	190.9	Pn	09:26:51.171	-0.2	T__	---	15117470	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.29	134.2	Pn	09:26:53.276	0.9	T__	---	15117471	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.29	134.2	Pn	09:26:53.276	0.9	T__	---	15117472	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.46	128.1	Pn	09:26:55.492	0.7	T__	---	15117473	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.46	128.1	Pn	09:26:55.492	0.7	T__	---	15117474	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	2.82	262.1	Sn	09:27:35.045	0.8	T__	---	15117475	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A332A	3.16	306.5	Pn	09:27:03.285	-0.9	T__	---	15117476	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORC	4.23	313.1	Pn	09:27:20.275	1.2	T__	---	15117477	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	4.23	313.1	Pn	09:27:20.275	1.2	T__	---	15117478	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	4.23	313.1	Pg	09:27:30.400	-4.2	---	---	15117479	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	4.23	313.1	Sn	09:27:39.400	-31.5	---	---	15117480	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
 2018/03/08 10:32:37.77 1.37 0.41 48.5832 20.7676 10.3 4.5 147 0.0S 12 7 166 0.21 1.54 m kx BUD 15117344 iLoc 277
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.6 6 BUD 15117344

Sta	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	10:32:42.168	-0.0					T__						15117346	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	242.0	Lg	10:32:45.265	-0.4					T__						15117347	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	242.0	Lg	10:32:46.200	0.6					T__		1.8				15117348	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.56	54.9	Pg	10:32:49.016	0.5					T__						15117349	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	54.9	Lg	10:32:56.989	-0.8					T__						15117350	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.88	221.6	Pg	10:32:56.151	-0.2					T__						15117351	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	221.6	Lg	10:33:10.308	0.2					T__						15117352	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.03	304.0	Pg	10:32:57.920	-0.0					T__						15117353	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.23	254.1	Lg	10:33:20.191	-0.2					T__						15117354	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VYHS	1.29	266.7	Pg	10:33:03.670	0.3					T__						15117355	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	266.7	Sn	10:33:21.640	0.1					T__						15117356	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.54	279.1	Pg	10:33:08.054	-0.1					T__						15117357	FDSN	Z3	00	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
 2018/03/09 07:19:37.27 0.22 0.51 46.0387 22.8825 1.9 1.3 101 4.4F 2.2 25 67 0.15 2.26 a ke BUC 15103695 ISC 360
 2018/03/09 07:19:36.45 0.89 0.71 46.0647 22.8502 3.7 2.7 91 0.0S 46 16 65 0.18 2.25 m sx BUD 15117358 iLoc 91
 (description : suspected quarry blast)
 (locality : Baita Romania)

Magnitude Err Nsta Author OrigID
 ml 1.6 BUC 15103695
 M 1.9 6 BUD 15117358

Sta	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	169.4	Pg	07:19:39.798	-0.1					T__						15117360	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.19	168.4	Pg	07:19:39.992	-0.0					T__						15117361	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.19	168.4	Pg	07:19:39.992	-0.0					T__		0.4				15117362	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.19	168.4	Lg	07:19:43.262	0.6					T__		0.4				15117363	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	238.7	Pg	07:19:48.692	0.6					T__						15117364	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	238.7	Pg	07:19:48.692	0.6					T__						15117365	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	238.7	Lg	07:19:56.484	-0.2					T__						15117366	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	16.8	Pg	07:19:49.679	0.2					T__						15117367	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	16.8	Pg	07:19:49.679	0.2					T__						15117368	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	16.8	Lg	07:19:58.882	-1.1					T__						15117369	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	184.4	Pg	07:19:49.773	0.3					T__						15117370	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.67	184.4	Lg	07:19:57.915	-1.3					T__						15117371	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	0.67	184.4	Lg	07:19:59.072	-0.1					T__		0.1				15117372	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	352.5	Pg	07:19:51.520	0.2					T__						15117374	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	352.5	Pg	07:19:51.520	0.2					T__						15117373	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	352.5	Lg	07:20:02.450	-1.0					T__						15117375	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	352.5	Pg	07:19:51.910	0.6					T__						15117376	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.73	352.5	Lg	07:20:01.987	-1.5					T__						15117377	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.85	284.1	Pn	07:19:54.862	0.2					T__						15117378	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.85	284.1	Lg	07:20:06.363	-0.8					T__						15117379	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.85	284.2	Lg	07:20:06.506	-0.7					T__		0.1				15117380	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.5	Lg	07:20:04.938	-1.8					T__						15117381	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.96	242.6	Pg	07:19:55.320	0.1					T__						15117382	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.96	242.6	Lg	07:20:09.060	-0.0					T__						15117383	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.97	243.0	Pn	07:19:56.052	-0.1					T__						15117384	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	243.0	Pn	07:19:56.052	-0.1					T__						15117385	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	243.0	Lg	07:20:09.966	0.4					T__						15117386	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.6	Pg	07:19:59.927	0.1					T__						15117387	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.6	Pg	07:19:59.927	0.1					T__		0.1				15117388	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.6	Lg	07:20:16.722	0.0					T__		0.1				15117389	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	169.8	Pg	07:20:04.404	1.1					T__						15117390	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	169.8	Pg	07:20:04.404	1.1					T__		0.1				15117391	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	169.8	Lg	07:20:22.670	-0.3					T__		0.1				15117392	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.43	118.5	Pn	07:20:03.301	0.1					T__						15117393	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.43	118.5	Pn	07:20:03.301	0.1					T__						15117394	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.43	118.5	Sn	07:20:23.046	-1.2					T__						15117395	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.46	44.9	Sn	07:20:25.651	1.0					T__						15117396	FDSN	RO	--	BUD	iLoc	BHE	???	_
LTVH	1.47	334.0	Pn	07:20:04.226	0.6					T__						15117397	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MDVR	1.51	212.4	Pg	07:20:05.399	-0.6					T__						15117398	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.4	Pg	07:20:05.399	-0.6					T__						15117399	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.4	Sn	07:20:25.182	-0.6					T__						15117400	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.66	111.4	Pn	07:20:07.409	0.8					T__						15117401	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.66	111.4	Pn	07:20:07.409	0.8					T__						15117402	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.66	111.4	Sn	07:20:29.457	-0.9					T__						15117403	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.25	45.5	Sn	07:20:45.492	0.7					T__						15117404	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.25	45.5	Sn	07:20:45.492	0.7					T__						15117405	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
2018/03/09	09:09:22.75	1.33	0.59	48.5067	20.8445	14.1	4.8	146	0.0S		9	5	181	0.24	1.26	m	kx	BUD	15117406	iLoc		248

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

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15117406

Sta	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	264.5	Pg	09:09:27.265	-0.5					T__						15117408	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.24	264.5	Lg	09:09:31.369	-0.2					T__						15117409	FDSN	SK	--	BUD	iLoc	EHE	???	_
CRVS	0.57	45.7	Pg	09:09:33.943	0.3					T__						15117410	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	45.7	Lg	09:09:41.977	-1.1					T__						15117411	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.87	227.5	Pn	09:09:41.856	0.3					T__						15117412	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	227.5	Lg	09:09:54.193	-0.3					T__						15117413	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.98	339.2	Pn	09:09:43.638	0.5					T__						15117414	FDSN	PL	--	BUD	iLoc	BHZ	???	_
A336A	1.26	258.2	Pg	09:09:48.009	0.0					T__						15117415	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.26	258.2	Lg	09:10:06.449	-0.1					T__						15117416	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
 2018/03/09 10:31:35.27 1.07 0.43 48.3115 18.5615 4.1 3.6 26 10.9F 11.0 24 13 92 0.20 1.31 m ke BUD 15117503 iLoc 100

Magnitude Err Nsta Author OrigID
 M 1.7 8 BUD 15117503

Sta	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	312.1	Pg	10:31:39.980	0.1					T__						15117505	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.20	312.1	Lg	10:31:42.783	-0.5					T__						15117506	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.26	45.0	Pg	10:31:40.747	-0.2					T__						15117507	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.26	45.0	Lg	10:31:44.763	-0.3					T__						15117508	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.30	104.8	Pg	10:31:42.067	0.4					T__						15117509	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.30	104.8	Lg	10:31:46.213	-0.2					T__						15117510	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A338A	0.33	205.3	Pg	10:31:42.605	0.4					T__						15117511	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.33	205.3	Lg	10:31:47.223	-0.0					T__						15117512	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.50	352.6	Pg	10:31:45.274	-0.0					T__						15117513	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.50	352.6	Lg	10:31:52.645	0.1					T__						15117514	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.81	313.1	Pg	10:31:50.995	-0.4					T__						15117515	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.81	313.1	Lg	10:32:03.251	0.4					T__						15117516	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.81	313.1	Pg	10:31:51.500	0.1					T__						15117517	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.81	313.1	Lg	10:32:02.700	-0.2					T__						15117518	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	0.86	274.6	Pg	10:31:52.380	-0.1					T__						15117519	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.86	274.6	Lg	10:32:04.082	-0.4					T__						15117520	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.98	113.3	Pg	10:31:55.288	-0.3					T__						15117521	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.98	113.3	Sn	10:32:08.444	-0.3					T__						15117522	FDSN	GE	--	BUD	iLoc	BHN	???	_
A268A	0.98	206.2	Pg	10:31:54.572	-0.1					T__						15117523	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.98	206.2	Lg	10:32:07.340	-1.0					T__						15117524	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ZST	0.98	263.8	Lg	10:32:08.721	0.5					T__						15117525	FDSN	SK	--	BUD	iLoc	HHN	???	_
LANS	1.03	35.2	Pn	10:31:55.357	0.5					T__						15117526	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A333A	1.05	293.2	Lg	10:32:09.233	-0.9					T__						15117527	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A002B	1.31	273.0	Pg	10:32:00.988	0.1					T__						15117528	FDSN	Z3	00	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
 2018/03/09 10:33:02.95 1.32 0.35 47.0835 18.0825 14.6 4.8 109 0.0S 7 4 155 0.23 1.40 m kx BUD 15117481 iLoc 201
 (description : known quarry blast)
 (locality : Királyszentistván Hungary)

Magnitude Err Nsta Author OrigID
 ML 2.1 0.4 3 BUD 15117481

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
TIH	0.23	216.1	Pg	10:33:08.085	0.0					T__	19.3	162.2		MLv	2.1	15117483	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
TIH	0.23	216.1	Lg	10:33:12.170	0.1					T__						15117484	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.1 1)																									
CSKK	0.31	23.4	Pg	10:33:09.920	0.3					T__	7.9	192.6		MLv	2.4	15117485	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.31	23.4	Lg	10:33:14.386	-0.4					T__						15117486	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.4 1)																									
KOVH	1.00	179.3	Pg	10:33:23.353	0.3					T__	1.8	3.4		MLv	1.6	15117487	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
KOVH	1.00	179.3	Lg	10:33:37.825	-0.4					T__						15117488	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.6 1)																									
MODS	1.40	337.4	Sn	10:33:48.974	-0.2					T__						15117489	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
 2018/03/09 10:45:10.07 1.26 1.10 48.5281 20.4170 8.3 7.0 78 0.0S 7 5 138 0.06 1.32 m kx BUD 15117529 iLoc 214
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.3 4 BUD 15117529

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.06	134.5	Pg	10:45:11.146	-0.5					T__						15117531	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.06	134.5	Lg	10:45:13.258	0.4					T__						15117532	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.70	210.0	Pg	10:45:24.476	-0.5					T__						15117533	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.70	210.0	Lg	10:45:37.182	1.1					T__						15117534	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.88	315.2	Lg	10:45:26.830	-13.6					---						15117535	FDSN	SK	--	BUD	iLoc	EHZ	???	_
NIE	0.89	355.6	Pg	10:45:26.795	-0.1					T__						15117536	FDSN	PL	--	BUD	iLoc	BHZ	???	_
VYHS	1.05	268.7	Pn	10:45:31.919	0.8					T__						15117537	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A332A	1.32	282.8	Sn	10:45:52.844	-1.6					T__						15117538	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
 2018/03/09 11:00:22.22 1.15 1.28 48.9525 21.7584 8.3 4.3 2 0.0S 11 7 128 0.20 1.93 m sx BUD 15117564 iLoc 166
 (description : suspected quarry blast)
 (locality : Brekov Slovakia)

Magnitude Err Nsta Author OrigID
 M 2.0 5 BUD 15117564

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.20	255.7	Pg	11:00:26.500	0.2					T__						15117566	FDSN	SK	--	BUD	iLoc	HHZ	???	_

CRVS	0.20	255.7	Lg	11:00:28.723	-1.2	T__	---	15117567	FDSN	SK	--	BUD	iLoc	HHE	???	_
PODL	0.21	130.3	Pg	11:00:27.470	1.0	T__	---	15117568	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PODL	0.21	130.3	Lg	11:00:31.971	1.8	T__	---	15117569	FDSN	SK	--	BUD	iLoc	EHN	???	_
KOLS	0.34	93.1	Pg	11:00:27.816	-1.1	T__	---	15117570	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.34	93.1	Lg	11:00:32.861	-1.8	T__	---	15117571	FDSN	SK	--	BUD	iLoc	HHN	???	_
STHS	0.57	324.2	Pg	11:00:34.186	1.3	T__	---	15117572	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.96	241.3	Pg	11:00:40.972	-0.3	T__	---	15117573	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.96	241.3	Lg	11:00:54.752	-0.9	T__	---	15117574	FDSN	SK	--	BUD	iLoc	EHN	???	_
NIE	1.06	296.8	Pn	11:00:43.950	0.1	T__	---	15117575	FDSN	PL	--	BUD	iLoc	BHZ	???	_
BSZH	1.93	211.7	Sn	11:01:23.115	0.4	T__	---	15117576	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/03/09	11:29:57.10	1.64	0.65	47.1214	17.9782	20.3	5.3	110	6.9F	14.6	8	4	202	0.23	1.04	m	ke BUD	15117539	iLoc			325

Magnitude	Err	Nsta	Author	OrigID
M	1.9	4	BUD	15117539

Sta	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	195.6	Pg	11:30:01.824	-0.3					T__						15117541	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.23	195.6	Lg	11:30:06.256	0.4					T__						15117542	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.31	38.4	Pg	11:30:03.521	-0.1					T__						15117543	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.31	38.4	Lg	11:30:08.472	-0.0					T__						15117544	FDSN	HU	--	BUD	iLoc	HHN	???	_
A266A	0.63	161.6	Pg	11:30:10.392	0.6					T__						15117545	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.63	161.6	Lg	11:30:18.386	-0.9					T__						15117546	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	1.04	175.3	Pn	11:30:17.162	0.2					T__						15117547	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.04	175.3	Lg	11:30:32.049	-0.5					T__						15117548	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
2018/03/09	11:31:01.24	1.43	0.73	47.2073	18.1756	13.6	7.5	91	0.0S		5	4	162	0.17	1.20	m	kx BUD	15117549	iLoc			273
2018/03/09	11:31:01.07f		0.94	47.2302	18.2835f				0.0S		5		193	0.13	1.26	m	kx BUD_GT	15135093	BUD			298

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

Magnitude	Err	Nsta	Author	OrigID
MLv	2.1	0.1	2 BUD	15135093

Sta	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	11:31:05.735	1.3					T__		194.8			MLv	15137445	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	11:31:07.916	0.8					T__						15137446	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	11:31:12.658	-0.6					T__						15137447	FDSN	Z3	00	BUD	BUD	HHN	???	_
KOVH	1.15	186.4	Sn	11:31:40.703	-0.4					T__						15137448	FDSN	HU	--	BUD	BUD	BHE	???	_
SOP	1.26	291.8	Pn	11:31:23.724	-1.2					T__		10.3			MLv	15137449	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	
2018/03/09	15:40:37.61	1.42	0.49	47.0804	18.1243	19.4	6.9	118	0.0S		5	3	162	0.24	0.99	m	sx BUD	15117577	iLoc				318

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.4	3 BUD	15117577

Sta	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	222.0	Pg	15:40:42.604	-0.4					T__	2.4	22.1		---	MLv	1.3	15117579	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.24	222.0	Lg	15:40:47.728	0.5					T__				---		15117580	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.3 1																									
CSKK	0.30	18.1	Pg	15:40:43.954	-0.2					T__	1.5	54.4		---	MLv	1.9	15117581	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
(Station ML : 1.9 1																									
KOVH	0.99	181.0	Pn	15:40:57.976	0.1					T__	1.8	3.5		---	MLv	1.6	15117582	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.99	181.0	Lg	15:41:12.899	0.1					T__				---		15117583	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	
2018/03/10	11:01:54.47	1.61	0.75	47.9194	19.5282	18.1	6.8	33	0.0S		5	3	180	0.25	0.80	m	kx BUD	15117597	iLoc			309	
2018/03/10	11:01:55.03f		1.00	48.0061	19.6278f				0.0S		5		164	0.20	0.83	m	kx BUD_GT	15135098	BUD			327	
(GT info : GT2 explosion)																							
(locality : Nagylóc Hungary)																							
(description : known quarry blast)																							

Magnitude	Err	Nsta	Author	OrigID
MLv	1.1	0.3	2 BUD	15135098

Sta	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	11:02:00.869	1.1					T__		25.1		---	MLv	15137450	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.20	116.0	Lg	11:02:03.966	0.4					T__				---		15137451	FDSN	GE	--	BUD	BUD	BHZ	???	_
VYHS	0.72	313.0	Pn	11:02:10.914	-0.5					T__		1.1		---	MLv	15137452	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.72	313.0	Lg	11:02:20.196	-0.1					T__				---		15137453	FDSN	SK	--	BUD	BUD	HHN	???	_
BSZH	0.83	148.3	Lg	11:02:24.029	-1.9					T__				---		15137454	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
2018/03/11	21:18:32.30	1.10	1.00	46.0813	16.4032	4.6	4.0	139	11.1F	7.6	22	13	106	0.35	1.36	m	ke BUD	15117673	iLoc			139

Magnitude	Err	Nsta	Author	OrigID
M	2.1		7 BUD	15117673

Sta	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	0.35	240.3	Pg	21:18:39.185	-0.4					T__				---		15117675	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.35	240.3	Lg	21:18:44.503	-0.6					T__				---		15117676	FDSN	CR	--	BUD	iLoc	BHE	???	_
KOGS	0.38	343.9	Pg	21:18:41.246	1.0					T__				---		15117677	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.38	343.9	Lg	21:18:45.674	-0.4					T__				---		15117678	FDSN	SL	--	BUD	iLoc	BHN	???	_
ZAG	0.39	228.9	Lg	21:18:46.540	0.2					T__				---		15117679	FDSN	CR	--	BUD	iLoc	BHN	???	_
BEHE	0.47	33.4	Pg	21:18:41.730	-0.3					T__				---		15117680	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.47	33.4	Lg	21:18:49.236	-0.0					T__				---		15117681	FDSN	HU	--	BUD	iLoc	BHN	???	_
A264A	0.62	82.4	Pg	21:18:45.987	1.0					T__				---		15117682	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.62	82.4	Lg	21:18:53.448	-0.7					T__				---		15117683	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CRES	0.71	249.2	Pg	21:18:46.030	-0.2					T__				---		15117684	FDSN	SL	--	BUD	iLoc	BHZ	???	_

CRES	0.71	249.2	Lg	21:18:56.387	-0.2	T__	---	15117685	FDSN	SL	--	BUD	iLoc	BHN	???	_
A021A	0.78	329.6	Pn	21:18:49.241	0.8	T__	---	15117686	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.78	329.6	Lg	21:18:57.415	-1.1	T__	---	15117687	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A262A	0.79	6.2	Lg	21:18:56.992	-2.2	T__	---	15117688	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A010A	1.02	347.4	Lg	21:19:04.413	-1.8	T__	---	15117689	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	1.18	89.1	Pn	21:18:53.613	-0.5	T__	---	15117690	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.18	89.1	Sn	21:19:11.654	0.7	T__	---	15117691	FDSN	HU	--	BUD	iLoc	BHE	???	_
A252A	1.20	122.0	Pn	21:18:55.144	0.7	T__	---	15117692	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.20	122.0	Sn	21:19:10.008	-1.6	T__	---	15117693	FDSN	Z3	--	BUD	iLoc	BHE	???	_
ARSA	1.32	332.9	Pg	21:18:57.685	-0.1	T__	---	15117694	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.32	332.9	Sn	21:19:14.809	0.8	T__	---	15117695	FDSN	OE	--	BUD	iLoc	BHN	???	_
A011B	1.36	347.2	Lg	21:19:17.005	-0.4	T__	---	15117696	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
2018/03/12	00:53:55.90	0.90		45.6550	22.6830	0.2	0.1		15.0F	1.2	10			0.74	2.38	a	ke BEO	15103788	ISC			360
2018/03/12	00:53:53.68	0.17	0.46	45.5895	22.7952	1.3	1.3	161	16.3F	1.4	27	82		0.20	2.21	a	ke BUC	15103791	ISC			360
2018/03/12	00:53:53.50	0.84	1.31	45.5989	22.8039	3.3	2.9	113	19.4F	6.8	53	17	80	0.21	2.33	m	ke BUD	15117612	iLoc			83

Magnitude	Err	Nsta	Author	OrigID
ML	1.8		BEO	15103788
m1	1.6		BUC	15103791
M	1.8	6	BUD	15117612

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
GZR	0.21	185.3	Pg	00:53:58.781	-0.1					T__						15117614	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.21	185.3	Lg	00:54:01.987	-0.9					T__						15117615	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.29	13.7	Pg	00:54:00.396	0.4					T__						15117616	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.29	13.7	Pg	00:54:00.396	0.4					T__		0.2				15117617	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.29	13.7	Lg	00:54:05.094	0.2					T__		0.2				15117618	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.29	13.7	Pb	00:54:12.129	12.1					---						15117619	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.29	13.7	Sg	00:54:16.564	11.7					---						15117620	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.30	12.9	Pg	00:54:00.511	0.5					T__						15117621	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.30	12.9	Lg	00:54:04.989	0.0					T__						15117622	FDSN	RO	--	BUD	iLoc	BHN	???	_
SURR	0.50	288.3	Pg	00:54:03.871	0.1					T__						15117623	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	288.3	Pg	00:54:03.871	0.1					T__		0.1				15117624	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	288.3	Lg	00:54:10.540	-0.7					T__		0.1				15117625	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	288.3	Sg	00:54:22.303	11.1					---						15117626	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.70	102.2	Lg	00:54:17.241	-0.2					T__						15117627	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.70	102.3	Pg	00:54:07.128	-0.2					T__						15117628	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	0.70	102.3	Lg	00:54:15.881	-1.7					T__						15117629	FDSN	RO	--	BUD	iLoc	BHN	???	_
HERR	0.77	201.0	Pn	00:54:08.795	0.4					T__						15117630	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	0.77	201.0	Pn	00:54:08.795	0.4					T__						15117631	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	0.77	201.0	Lg	00:54:18.467	-0.7					T__						15117632	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.82	271.8	Pg	00:54:09.723	0.1					T__						15117633	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.82	271.8	Lg	00:54:20.613	-0.7					T__						15117634	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.83	271.6	Lg	00:54:20.366	-1.5					T__						15117635	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.04	310.3	Sn	00:54:27.586	0.3					T__						15117636	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	1.04	310.4	Sn	00:54:27.182	-0.2					T__						15117637	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.04	310.4	Sn	00:54:27.182	-0.2					T__						15117638	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	11.4	Pn	00:54:14.840	1.2					T__						15117639	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	11.4	Pn	00:54:14.840	1.2					T__						15117640	FDSN	IR	--	ISC	iLoc	???	???	_

MARR	1.10	11.4	Sn	00:54:29.544	-0.0	T__	---	15117641	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.12	223.7	Pn	00:54:14.152	0.6	T__	---	15117642	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.12	223.7	Pn	00:54:14.152	0.6	T__	---	15117643	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.12	223.7	Lg	00:54:30.729	-0.3	T__	---	15117644	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	356.9	Pg	00:54:16.490	-0.6	T__	---	15117645	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	356.9	Pg	00:54:16.490	-0.6	T__	---	15117646	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	356.9	Pb	00:54:16.600	-0.5	T__	---	15117647	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	356.9	Sn	00:54:31.800	0.1	T__	---	15117648	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	356.9	Lg	00:54:31.965	-3.8	T__	---	15117649	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	356.9	Pg	00:54:16.848	-0.3	T__	---	15117650	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.19	356.9	Sn	00:54:32.370	0.6	T__	---	15117651	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	1.24	26.1	Pg	00:54:17.408	-0.3	T__	---	15117652	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	1.24	26.1	Sn	00:54:34.227	1.1	T__	---	15117653	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.24	26.1	Sn	00:54:35.576	2.4	T__	---	15117654	FDSN	RO	--	BUD	iLoc	BHN	???	_
ARR	1.31	99.5	Pn	00:54:17.396	0.9	T__	---	15117655	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.31	99.5	Pn	00:54:17.396	0.9	T__	---	15117656	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.31	99.5	Sn	00:54:34.507	-0.2	T__	---	15117657	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.55	3.7	Pn	00:54:21.461	1.6	T__	---	15117658	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.55	3.7	Sn	00:54:41.850	1.2	T__	---	15117659	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.59	95.1	Pn	00:54:20.599	0.0	T__	---	15117660	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.59	95.1	Pn	00:54:20.599	0.0	T__	---	15117661	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.59	95.1	Sn	00:54:42.534	0.6	T__	---	15117662	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.21	91.7	Pn	00:54:29.901	0.1	T__	---	15117663	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.21	91.7	Pn	00:54:29.901	0.1	T__	---	15117664	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.21	91.7	Sn	00:54:58.384	0.1	T__	---	15117665	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	2.27	221.8	Pg	00:54:34.000	-2.4	T__	---	15117666	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	2.27	221.8	Sn	00:55:00.600	3.7	T__	---	15117667	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	2.33	183.1	Pg	00:54:35.500	-1.4	T__	---	15117668	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	2.33	183.1	Sn	00:55:03.400	4.4	T__	---	15117669	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
2018/03/12	09:01:06.82	1.44	0.53	47.5359	18.5103	22.6	5.5	122	0.0S		5	3	157	0.24	1.01	m	kx BUD	15117697	iLoc			305
2018/03/12	09:01:06.99f		0.34	47.5600	18.4573f				0.0S		5		160	0.24	1.03	m	kx BUD_GT	15136887	BUD			305

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Tatabánya Hungary)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.9	2 BUD	15136887

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CSKK	0.24	214.2	Pg	09:01:12.223	-0.1					T__		254.6		---	MLv	15137455	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	09:01:16.396	-0.0					T__				---		15137456	FDSN	HU	--	BUD	BUD	HHE	???	_
VYHS	0.97	15.1	Pn	09:01:27.032	0.2					T__		1.0		---	MLv	15137457	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.97	15.1	Lg	09:01:40.569	-0.3					T__				---		15137458	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Lg	09:01:43.572	-0.7					T__				---		15137459	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
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2018/03/12 09:44:14.62 1.28 0.97 48.6132 20.7815 9.0 5.4 129 0.0S 14 9 163 0.24 1.77 m kx BUD 15117712 iLoc 241
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.5 6 BUD 15117712

Sta	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	236.6	Pg	09:44:20.162	0.7					T__						15117714	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.24	236.6	Lg	09:44:23.040	-0.2					T__						15117715	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.24	236.6	Lg	09:44:24.000	0.7					T__		0.9				15117716	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.53	57.0	Pg	09:44:25.634	0.7					T__						15117717	FDSN	SK	--	BUD	iLoc	HHZ	???	_
NIE	0.86	339.3	Pn	09:44:33.571	0.2					T__						15117718	FDSN	PL	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	220.8	Pn	09:44:33.919	-0.1					T__						15117719	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	220.8	Lg	09:44:46.913	-1.1					T__						15117720	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.02	302.3	Pn	09:44:35.925	0.4					T__						15117721	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.02	302.3	Lg	09:44:50.182	0.6					T__						15117722	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	1.25	252.9	Lg	09:44:57.978	0.2					T__						15117723	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.30	265.5	Pg	09:44:40.733	0.3					T__						15117724	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	265.5	Sn	09:44:58.522	-0.2					T__						15117725	FDSN	SK	--	BUD	iLoc	HHN	???	_
OJC	1.73	338.6	Sn	09:45:08.157	-2.6					T__						15117726	FDSN	PL	--	BUD	iLoc	BHE	???	_
A331A	1.77	288.6	Sn	09:45:10.402	-0.3					T__						15117727	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
 2018/03/12 11:31:25.89 1.25 1.15 47.2343 18.2425 9.5 5.8 89 0.0S 10 7 179 0.13 1.58 m kx BUD 15117743 iLoc 259
 2018/03/12 11:31:25.57f 1.04 47.2302 18.2835f 0.0S 10 182 0.13 1.59 m kx BUD_GT 15135109 BUD 260
 (GT info : GT2 explosion)
 (locality : Iszkaszentgyörgy Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.9 5 BUD 15135109

Sta	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	11:31:29.475	0.6					T__						15137460	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	11:31:31.562	-0.0					T__						15137461	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Pg	11:31:33.143	0.7					T__						15137462	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A268A	0.32	309.6	Lg	11:31:37.467	-0.2					T__						15137463	FDSN	Z3	00	BUD	BUD	HHN	???	_
A339A	0.74	324.9	Lg	11:31:48.705	-3.1					T__						15137464	FDSN	Z3	00	BUD	BUD	HHZ	???	_
KOVH	1.15	186.4	Pn	11:31:47.643	-0.4					T__						15137465	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	1.15	186.4	Lg	11:32:06.015	0.2					T__						15137466	FDSN	HU	--	BUD	BUD	BHE	???	_
A010A	1.51	264.9	Sn	11:32:14.356	0.1					T__						15137467	FDSN	Z3	00	BUD	BUD	HHE	???	_
A332A	1.58	4.3	Pn	11:31:54.683	0.7					T__						15137469	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A011B	1.59	277.3	Pn	11:31:54.058	-0.1					T__						15137468	FDSN	Z3	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
 2018/03/12 13:32:11.05 2.04 0.86 46.1132 17.9442 13.8 10.1 116 0.0S 4 2 182 0.11 1.92 m kx BUD 15117755 iLoc 277
 2018/03/12 13:32:11.63f 0.81 46.1254 18.0152f 0.0S 5 177 0.07 1.90 m kx BUD_GT 15136893 BUD 292

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

Magnitude	Err	Nsta	Author	OrigID																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KOVH	0.07	122.2	Pg	13:32:14.424	0.7					T__						15137470	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.07	122.2	Lg	13:32:15.748	0.3					T__						15137471	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Pg	13:32:26.225	0.4					T__						15137472	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.70	189.7	Lg	13:32:35.091	-1.6					T__						15137473	FDSN	Z3	--	BUD	BUD	BHE	???	_
A338A	1.90	6.8	Sn	13:33:09.706	-0.3					T__						15137474	FDSN	Z3	00	BUD	BUD	HH2	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/03/12	17:21:47.70	1.35	0.52	46.1483	17.0716	20.8	6.5	7	12.0A		5	3	160	0.64	1.17	m	ke	BUD	15117762	iLoc		316

Magnitude	Err	Nsta	Author	OrigID
MLv	2.0	0.5	2 BUD	15117762

Sta	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	0.64	298.1	Pg	17:22:00.213	-0.4					T__	1.5	29.6			MLv	2.3	15117764	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_
KOGS	0.64	298.1	Lg	17:22:10.137	0.2					T__						15117765	FDSN	SL	--	BUD	iLoc	BHE	???	_	
KOVH	0.72	94.4	Pn	17:22:03.216	0.4					T__	2.1	5.9			MLv	1.7	15117766	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.72	94.4	Lg	17:22:12.325	-0.4					T__						15117767	FDSN	HU	--	BUD	iLoc	BHN	???	_	
CRES	1.17	254.6	Lg	17:22:26.523	-0.1					T__						15117768	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
2018/03/13	09:11:03.72	5.08	0.59	48.5609	20.7538	28.2	13.8	68	0.0S		6	3	314	0.19	1.28	m	kx	BUD	15117777	iLoc		338

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	3 BUD	15117777

Sta	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	246.5	Pg	09:11:08.584	0.8					T__	8.6	33.7			MLv	1.4	15117779	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.19	246.5	Lg	09:11:11.103	0.1					T__						15117780	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.4 1																									
PSZ	0.86	222.1	Pg	09:11:21.815	-0.1					T__	1.7	5.0			MLv	1.7	15117781	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	222.1	Lg	09:11:34.894	-0.4					T__						15117782	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1																									
VYHS	1.28	267.7	Pg	09:11:29.040	-0.1					T__	1.2	0.9			MLv	1.1	15117783	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.28	267.7	Lg	09:11:47.419	-0.5					T__						15117784	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
2018/03/13	11:27:28.13	1.57	1.17	47.8665	19.7831	14.7	8.3	23	0.0S		9	5	234	0.09	1.87	m	kx	BUD	15117824	iLoc		291

2018/03/13 11:27:28.31f 1.53 47.8285 19.9317f 0.0S 9 233 0.09 1.78 m kx BUD_GT 15135118 BUD 283
 (locality : Gyöngyössolymos-II Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15135118

Sta	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	11:27:30.167	-0.8					T__						15137475	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.09	344.4	Lg	11:27:31.675	-1.5					T__						15137476	FDSN	GE	--	BUD	BUD	BHN	???	_
KECS	0.75	29.3	Pn	11:27:44.720	-0.5					T__						15137477	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.75	29.3	Lg	11:27:54.030	-0.8					T__						15137478	FDSN	SK	--	BUD	BUD	EHE	???	_
VYHS	0.99	312.6	Pg	11:27:47.499	-0.7					T__						15137479	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.99	312.6	Lg	11:28:00.795	-2.0					T__						15137480	FDSN	SK	--	BUD	BUD	HHN	???	_
NIE	1.61	8.9	Pg	11:27:59.221	0.7					T__						15137481	FDSN	PL	--	BUD	BUD	BHZ	???	_
TRPA	1.78	79.2	Pg	11:28:05.235	2.9					T__						15137482	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	1.78	79.2	Sn	11:28:26.753	2.0					T__						15137483	FDSN	HU	--	BUD	BUD	BHZ	???	_
STON	5.20	198.4	Pn	11:28:53.540	5.2					---						15137484	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
 2018/03/14 09:25:21.38 1.35 0.62 48.5700 20.7472 9.8 5.8 136 0.0S 13 9 166 0.19 1.77 m sx BUD 15117798 iLoc 239
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.6 7 BUD 15117798

Sta	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	243.5	Pg	09:25:25.474	0.0					T__						15117800	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	243.5	Lg	09:25:28.388	-0.3					T__						15117801	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.19	243.5	Lg	09:25:30.000	1.4					T__		1.2				15117802	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	54.6	Pg	09:25:32.223	-0.2					T__						15117803	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	221.5	Pg	09:25:39.167	-0.4					T__						15117804	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	221.5	Lg	09:25:52.667	-0.4					T__						15117805	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.90	341.6	Pn	09:25:41.190	0.6					T__						15117806	FDSN	PL	--	BUD	iLoc	BHZ	???	_
LANS	1.03	305.0	Pg	09:25:41.203	-0.3					T__						15117807	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.21	254.5	Lg	09:26:03.900	0.5					T__						15117808	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.27	267.3	Pn	09:25:45.968	0.3					T__						15117809	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	267.3	Sn	09:26:04.564	-0.2					T__						15117810	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.53	279.7	Lg	09:26:12.663	-0.8					T__						15117811	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A331A	1.77	290.1	Pn	09:25:52.498	-0.1					T__						15117812	FDSN	Z3	00	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
 2018/03/14 10:08:44.97 1.35 0.79 46.8995 17.3285 5.9 5.0 0 0.0S 9 5 94 0.13 0.97 m kx BUD 15117813 iLoc 156
 2018/03/14 10:08:44.79f 1.13 46.8548 17.2699f 0.0S 9 97 0.13 0.96 m kx BUD_GT 15136896 BUD 176
 (GT info : GT2 explosion)
 (description : known quarry blast)

(locality : Várköly Hungary)

Magnitude Err Nsta Author OrigID
M 1.9 4 BUD 15136896

Sta	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	10:08:48.774	0.7					T__						15137485	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A261A	0.13	319.5	Lg	10:08:49.704	-1.0					T__						15137486	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.37	30.2	Pg	10:08:52.107	-0.5					T__						15137487	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.37	30.2	Lg	10:08:56.738	-1.9					T__						15137488	FDSN	HU	--	BUD	BUD	BHN	???	_
TIH	0.43	83.7	Lg	10:08:58.875	-1.8					T__						15137489	FDSN	HU	--	BUD	BUD	HHN	???	_
KOGS	0.81	240.3	Pn	10:09:03.099	0.3					T__						15137490	FDSN	SL	--	BUD	BUD	BHZ	???	_
KOGS	0.81	240.3	Lg	10:09:14.626	1.7					T__						15137491	FDSN	SL	--	BUD	BUD	BHE	???	_
KOVH	0.96	142.9	Pn	10:09:04.906	0.1					T__						15137492	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.96	142.9	Lg	10:09:18.799	-0.0					T__						15137493	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
2018/03/14 11:11:17.21 1.56 0.91 47.2050 18.1651 10.8 5.3 107 6.7F 12.8 9 5 173 0.36 1.21 m ke BUD 15117836 iLoc 276

Magnitude Err Nsta Author OrigID
M 1.9 4 BUD 15117836

Sta	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	0.36	212.0	Pg	11:11:24.681	0.0					T__						15117838	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.36	212.0	Lg	11:11:29.312	-0.9					T__						15117839	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.43	265.6	Pg	11:11:26.971	1.0					T__						15117840	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.43	265.6	Lg	11:11:31.959	-0.5					T__						15117841	FDSN	HU	--	BUD	iLoc	BHN	???	_
A338A	0.82	8.8	Pg	11:11:33.323	-0.3					T__						15117842	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.82	8.8	Lg	11:11:45.652	0.4					T__						15117843	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KOVH	1.12	182.3	Pg	11:11:40.610	1.0					T__						15117844	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.12	182.3	Sn	11:11:54.758	0.1					T__						15117845	FDSN	HU	--	BUD	iLoc	BHN	???	_
A264A	1.21	210.3	Sn	11:11:56.263	-0.9					T__						15117846	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
2018/03/14 11:33:13.57 1.19 0.79 48.2145 18.7894 4.5 3.7 39 3.3F 9.1 22 15 50 0.14 1.77 m ke BUD 15117847 iLoc 75

Magnitude Err Nsta Author OrigID
M 1.9 6 BUD 15117847

Sta	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	82.3	Pg	11:33:16.838	0.2					T__						15117849	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.14	82.3	Lg	11:33:19.736	0.9					T__						15117850	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.28	6.3	Pg	11:33:19.172	-0.2					T__						15117851	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.28	6.3	Lg	11:33:23.752	0.1					T__						15117852	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.35	235.9	Lg	11:33:26.720	0.6					T__						15117853	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.38	307.7	Pg	11:33:21.719	0.4					T__						15117854	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.38	307.7	Lg	11:33:25.815	-1.2					T__						15117855	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.40	157.3	Lg	11:33:28.597	0.6					T__						15117856	FDSN	Z3	00	BUD	iLoc	HHE	???	_

A332A	0.63	340.0	Lg	11:33:34.580	-0.6	T__	---	15117857	FDSN	Z3	00	BUD	iLoc	HHE	???	-
BUD	0.75	167.7	Sn	11:33:42.480	-0.1	T__	---	15117858	FDSN	HU	--	BUD	iLoc	BHN	???	-
PSZ	0.80	111.4	Pg	11:33:29.452	-0.9	T__	---	15117859	FDSN	GE	--	BUD	iLoc	BHZ	???	-
PSZ	0.80	111.4	Lg	11:33:40.953	-1.7	T__	---	15117860	FDSN	GE	--	BUD	iLoc	BHN	???	-
CSKK	0.92	202.9	Lg	11:33:45.737	0.1	T__	---	15117861	FDSN	HU	--	BUD	iLoc	HHE	???	-
JAVC	0.98	311.4	Pn	11:33:33.320	-0.1	T__	---	15117862	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
JAVC	0.98	311.4	Sn	11:33:47.875	-0.7	T__	---	15117863	FDSN	CZ	--	BUD	iLoc	BHE	???	-
MODS	1.02	279.5	Pn	11:33:34.134	0.3	T__	---	15117864	FDSN	SK	--	BUD	iLoc	HHZ	???	-
MODS	1.02	279.5	Sn	11:33:48.689	-0.7	T__	---	15117865	FDSN	SK	--	BUD	iLoc	HHN	???	-
LANS	1.04	25.4	Pn	11:33:34.847	0.7	T__	---	15117866	FDSN	SK	--	BUD	iLoc	EHZ	???	-
LANS	1.04	25.4	Sn	11:33:51.640	1.5	T__	---	15117867	FDSN	SK	--	BUD	iLoc	EHE	???	-
KECS	1.16	76.0	Sn	11:33:52.557	-0.4	T__	---	15117868	FDSN	SK	--	BUD	iLoc	EHN	???	-
MPLH	1.34	219.4	Lg	11:33:59.121	0.2	T__	---	15117869	FDSN	HU	--	BUD	iLoc	BHE	???	-
MORC	1.77	332.8	Sn	11:34:07.875	-0.0	T__	---	15117870	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
2018/03/14	18:20:31.20		0.20	46.1410	16.1710				5.0A							a	ke LJU	15103896	ISC			360
2018/03/14	18:20:30.40	1.66	0.76	46.1347	16.2017	5.7	4.3	18	1.0F	7.5	17	6	84	0.09	1.01	m	ke BUD	15117871	iLoc			168

Magnitude	Err	Nsta	Author	OrigID
ML	0.8		LJU	15103896
MLv	1.0	0.5	3 BUD	15117871

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
LOBO	0.09	282.5	Pg	18:20:32.720	0.1					T__						15117873	FDSN	IR	--	ISC	iLoc	???	???	-	
LOBO	0.09	282.5	Lg	18:20:34.050	-0.3					T__						15117874	FDSN	IR	--	ISC	iLoc	???	???	-	
KALN	0.18	91.0	Pg	18:20:35.130	0.6					T__						15117875	FDSN	IR	--	ISC	iLoc	???	???	-	
KALN	0.18	91.0	Lg	18:20:38.180	0.4					T__						15117876	FDSN	IR	--	ISC	iLoc	???	???	-	
KALN	0.25	44.9	Pg	18:20:35.233	-0.5					T__	1.8	5.6			MLv	0.7	15117877	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	-
KALN	0.25	44.9	Lg	18:20:38.512	-1.3					T__						15117878	FDSN	CR	--	BUD	iLoc	BHN	???	-	
PTJ	0.28	215.7	Pg	18:20:36.882	0.8					T__	1.3	6.0			MLv	0.9	15117879	FDSN	CR	--	BUD	iLoc	BHZ	BHZ	-
PTJ	0.28	215.7	Lg	18:20:40.903	0.5					T__						15117880	FDSN	CR	--	BUD	iLoc	BHE	???	-	
PTJ	0.28	215.6	Pg	18:20:36.760	0.4					T__						15117881	FDSN	IR	--	ISC	iLoc	???	???	-	
PTJ	0.28	215.6	Lg	18:20:39.890	-1.2					T__						15117882	FDSN	IR	--	ISC	iLoc	???	???	-	
KOGS	0.32	6.1	IAML	18:20:42.340	-99.0							3.0	0.05			15117883	FDSN	IR	--	ISC	iLoc	???	???	-	
KOGS	0.32	6.1	Pg	18:20:37.586	0.7					T__						15117884	FDSN	SL	--	BUD	iLoc	BHZ	???	-	
KOGS	0.32	6.1	Lg	18:20:41.970	0.3					T__						15117885	FDSN	SL	--	BUD	iLoc	BHE	???	-	
GOLS	0.42	253.1	Pg	18:20:39.080	0.3					T__						15117886	FDSN	IR	--	ISC	iLoc	???	???	-	
GOLS	0.42	253.1	Lg	18:20:44.780	-0.5					T__						15117887	FDSN	IR	--	ISC	iLoc	???	???	-	
GOLS	0.42	253.1	IAML	18:20:45.520	-99.0							2.2	0.12			15117888	FDSN	IR	--	ISC	iLoc	???	???	-	
MOSL	0.65	143.3	Pg	18:20:43.840	0.4					T__						15117889	FDSN	IR	--	ISC	iLoc	???	???	-	
MOSL	0.65	143.3	Lg	18:20:52.960	-0.3					T__						15117890	FDSN	IR	--	ISC	iLoc	???	???	-	
A251A	1.01	177.4	Lg	18:21:02.870	-1.2					T__						15117891	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
2018/03/15	00:32:41.68	1.17	1.01	46.2319	17.2627	7.1	4.7	80	17.5F	8.0	13	8	111	0.07	0.96	m	ke BUD	15117916	iLoc			155

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

Magnitude Err Nsta Author OrigID
M 1.5 6 BUD 15117916

Sta	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	0.07	165.7	Pg	00:32:45.412	0.0					T__						15117918	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.07	165.7	Lg	00:32:47.836	-0.3					T__						15117919	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A263A	0.41	5.0	Pg	00:32:51.472	0.9					T__						15117920	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.41	5.0	Lg	00:32:57.786	0.8					T__						15117921	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A265A	0.42	62.3	Pg	00:32:51.240	0.6					T__						15117922	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.42	62.3	Lg	00:32:57.367	0.2					T__						15117923	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KALN	0.57	278.3	Sn	00:33:04.435	0.2					T__						15117924	FDSN	CR	--	BUD	iLoc	BHE	???	_
KOVH	0.60	103.6	Pn	00:32:54.394	-0.1					T__						15117925	FDSN	HU	--	BUD	iLoc	HHZ	???	_
KOVH	0.60	103.6	Lg	00:33:01.941	-1.1					T__						15117926	FDSN	HU	--	BUD	iLoc	HHN	???	_
MOSL	0.71	210.0	Lg	00:33:07.877	1.4					T__						15117927	FDSN	CR	--	BUD	iLoc	BHN	???	_
A262A	0.81	321.5	Lg	00:33:07.441	-2.0					T__						15117928	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A252A	0.90	152.6	Pg	00:32:59.855	0.1					T__						15117929	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.90	152.6	Lg	00:33:12.230	0.0					T__						15117930	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
MPLH	0.96	11.4	Pn	00:32:58.974	-0.5					T__						15117931	FDSN	HU	--	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
2018/03/15 11:06:30.05 1.54 0.57 48.5353 20.8125 12.1 8.8 179 0.0S 9 6 163 0.22 1.38 m kx BUD 15117905 iLoc 279
(description : known quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
M 1.7 5 BUD 15117905

Sta	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	256.6	Pg	11:06:35.340	0.6					T__						15117907	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	256.6	Lg	11:06:38.609	0.3					T__						15117908	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.87	225.2	Pn	11:06:49.165	0.3					T__						15117909	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	225.2	Sn	11:07:02.650	-1.1					T__						15117910	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.08	305.2	Pg	11:06:51.133	-0.1					T__						15117911	FDSN	SK	--	BUD	iLoc	EHZ	???	_
TRPA	1.22	108.7	Sn	11:07:12.596	-0.2					T__						15117912	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.31	268.9	Pg	11:06:55.983	-0.3					T__						15117913	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.31	268.9	Sn	11:07:14.330	-0.2					T__						15117914	FDSN	SK	--	BUD	iLoc	HHN	???	_
A270A	1.38	240.8	Pg	11:06:58.058	-0.1					T__						15117915	FDSN	Z3	00	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
2018/03/15 11:44:11.83 1.21 1.77 45.6204 17.2618 8.3 4.6 11 5.0A 10 6 155 0.36 1.09 m ke BUD 15117932 iLoc 217

Magnitude Err Nsta Author OrigID
M 1.7 5 BUD 15117932

Sta	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	269.1	Pg	11:44:19.786	0.5					T__						15117934	FDSN	CR	--	BUD	iLoc	BHZ	???	_
MOSL	0.36	269.1	Lg	11:44:25.025	0.2					T__						15117935	FDSN	CR	--	BUD	iLoc	BHE	???	_
A252A	0.45	113.9	Pg	11:44:20.679	-0.4					T__						15117936	FDSN	Z3	--	BUD	iLoc	BHZ	???	_

A252A	0.45	113.9	Lg	11:44:26.060	-2.1	T__	---	15117937	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.75	51.1	Pg	11:44:26.899	-0.1	T__	---	15117938	FDSN	HU	--	BUD	iLoc	HHZ	???	_
KOVH	0.75	51.1	Lg	11:44:39.724	1.4	T__	---	15117939	FDSN	HU	--	BUD	iLoc	HHE	???	_
A265A	0.89	24.6	Pn	11:44:31.187	1.1	T__	---	15117940	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KALN	0.89	321.1	Pg	11:44:29.001	-0.5	T__	---	15117941	FDSN	CR	--	BUD	iLoc	BHZ	???	_
KALN	0.89	321.1	Lg	11:44:38.862	-3.7	T__	---	15117942	FDSN	CR	--	BUD	iLoc	BHE	???	_
KOGS	1.09	320.0	Sn	11:44:50.077	0.6	T__	---	15117943	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
2018/03/16	07:15:49.00	0.40		46.0370	22.8580	0.1	0.0		1.0F	3.4	14			0.64	2.76	a	ke BEO	15103927	ISC			360
2018/03/16	07:15:47.88	0.15	0.46	46.0366	22.8616	1.2	1.0	118	7.5F	1.3	38		66	0.15	2.42	a	ke BUC	15103930	ISC			360
2018/03/16	07:15:47.45	0.74	0.87	46.0631	22.8617	2.8	2.3	110	7.0F	1.7	79	23	67	0.18	2.79	m	ke BUD	15117944	iLoc			103

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BEO	15103927
m1	1.7		BUC	15103930
M	1.9	6	BUD	15117944

Sta	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	171.8	Pg	07:15:51.290	0.2					T__						15117946	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.18	171.8	Lg	07:15:54.139	0.3					T__						15117947	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.18	170.8	Lg	07:15:53.897	-0.1					T__		0.5				15117948	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.60	239.3	Pg	07:15:59.041	-0.2					T__						15117949	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.60	239.3	Pg	07:15:59.041	-0.2					T__						15117950	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.60	239.3	Lg	07:16:06.761	-1.2					T__						15117951	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	185.1	Pg	07:16:00.653	0.2					T__						15117952	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.67	185.1	Pg	07:16:00.771	0.3					T__						15117953	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	185.1	Pg	07:16:00.771	0.3					T__		0.1				15117954	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	185.1	Lg	07:16:09.770	-0.4					T__		0.1				15117955	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	185.1	Lg	07:16:09.800	-0.4					T__						15117956	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	185.1	Lg	07:16:10.068	-0.2					T__						15117957	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.74	351.9	Pg	07:16:02.576	0.3					T__						15117958	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	351.9	Pg	07:16:02.576	0.3					T__						15117959	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	351.9	Pb	07:16:02.900	0.7					T__						15117960	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	351.9	Lg	07:16:12.815	-1.4					T__						15117961	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	351.9	Sg	07:16:13.700	-0.5					T__						15117962	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	351.9	Pg	07:16:03.147	0.9					T__						15117963	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.74	351.9	Lg	07:16:13.376	-0.8					T__						15117964	FDSN	RO	--	BUD	iLoc	BHE	???	_
CJR	0.83	37.8	Pg	07:16:03.718	-0.0					T__						15117965	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	37.8	Pg	07:16:03.718	-0.0					T__		0.1				15117966	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.83	37.8	Lg	07:16:16.818	0.2					T__		0.1				15117967	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	284.1	Pn	07:16:05.284	0.3					T__						15117968	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.86	284.1	Lg	07:16:16.175	-1.6					T__						15117969	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.86	284.2	Pg	07:16:04.186	-0.7					T__						15117970	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	284.2	Pg	07:16:04.186	-0.7					T__		0.1				15117971	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	284.2	Pb	07:16:04.400	-0.5					T__						15117972	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	284.2	Lg	07:16:17.118	-0.7					T__		0.1				15117973	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.88	133.7	Pn	07:16:04.772	-0.8					T__						15117974	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.88	133.7	Pn	07:16:04.772	-0.8					T__						15117975	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.88	133.7	Lg	07:16:16.127	-1.3					T__						15117976	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	133.8	Pn	07:16:05.539	-0.1					T__						15117977	FDSN	RO	--	BUD	iLoc	BHZ	???	_

BZS	0.96	242.9	Pn	07:16:06.811	0.6	T__	---	---	15117978	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.96	242.9	Lg	07:16:19.941	-0.3	T__	---	---	15117979	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.98	243.3	Pg	07:16:05.906	-0.7	T__	---	---	15117980	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.98	243.3	Pg	07:16:05.906	-0.7	T__	---	---	15117981	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.98	243.3	Pb	07:16:06.200	-0.4	T__	---	---	15117982	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.98	243.3	Lg	07:16:20.049	-0.7	T__	---	---	15117983	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.98	243.3	Sg	07:16:20.200	-0.5	T__	---	---	15117984	FDSN	IR	--	ISC	iLoc	???	???	_
MDB	1.06	85.2	Lg	07:16:22.492	-0.5	T__	---	---	15117985	FDSN	IR	--	ISC	iLoc	???	???	_
MDB	1.06	85.2	Lg	07:16:22.492	-0.5	T__	---	---	15117986	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.09	3.2	Pn	07:16:09.169	0.7	T__	---	---	15117987	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.09	3.2	Pn	07:16:09.169	0.7	T__	---	0.2	15117988	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.09	3.2	Sn	07:16:24.746	-0.3	T__	---	0.2	15117989	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	195.0	Pg	07:16:10.828	-0.1	T__	---	---	15117990	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	195.0	Pg	07:16:10.828	-0.1	T__	---	0.1	15117991	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	195.0	Sn	07:16:27.712	-0.1	T__	---	0.1	15117992	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	170.1	Pg	07:16:13.987	-0.3	T__	---	---	15117993	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	170.1	Pg	07:16:13.987	-0.3	T__	---	0.1	15117994	FDSN	IR	--	ISC	iLoc	???	???	_
SRE	1.42	170.1	Sn	07:16:33.086	0.1	T__	---	0.1	15117995	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.42	118.6	Pg	07:16:13.971	-0.9	T__	---	---	15117996	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.42	118.6	Pg	07:16:13.971	-0.9	T__	---	---	15117997	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	1.42	118.6	Sn	07:16:33.135	-0.5	T__	---	---	15117998	FDSN	IR	--	ISC	iLoc	???	???	_
RMVG	1.43	135.3	Sn	07:16:33.475	0.1	T__	---	---	15117999	FDSN	IR	--	ISC	iLoc	???	???	_
RMVG	1.43	135.3	Sn	07:16:33.475	0.1	T__	---	---	15118000	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.45	44.6	Pg	07:16:15.354	-0.1	T__	---	---	15118001	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.45	44.6	Pg	07:16:15.354	-0.1	T__	---	0.1	15118002	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.45	44.6	Sn	07:16:35.302	1.1	T__	---	0.1	15118003	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.45	44.6	Lg	07:16:37.345	0.6	T__	---	---	15118004	FDSN	RO	--	BUD	iLoc	BHE	???	_
MDVR	1.52	212.7	Pn	07:16:14.493	0.2	T__	---	---	15118005	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.52	212.7	Pn	07:16:14.493	0.2	T__	---	0.1	15118006	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.52	212.7	Sn	07:16:35.873	0.4	T__	---	0.1	15118007	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.65	111.4	Pg	07:16:17.847	-1.5	T__	---	---	15118008	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.65	111.4	Pg	07:16:17.847	-1.5	T__	---	---	15118009	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.65	111.4	Sn	07:16:38.912	-0.8	T__	---	---	15118010	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.23	103.7	Pn	07:16:25.892	0.6	T__	---	---	15118011	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.23	103.7	Pn	07:16:25.892	0.6	T__	---	---	15118012	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.23	103.7	Sn	07:16:54.005	-0.9	T__	---	---	15118013	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.24	45.3	Pn	07:16:25.589	0.3	T__	---	---	15118014	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.24	45.3	Pn	07:16:25.589	0.3	T__	---	---	15118015	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.24	45.3	Sn	07:16:55.797	1.6	T__	---	---	15118016	FDSN	IR	--	ISC	iLoc	???	???	_
ZAGS	2.29	191.4	Pn	07:16:26.900	1.8	T__	---	---	15118017	FDSN	IR	--	ISC	iLoc	???	???	_
ZAGS	2.29	191.4	Sn	07:16:57.100	2.9	T__	---	---	15118018	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	2.33	248.2	Sn	07:16:55.049	-0.1	T__	---	---	15118019	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	2.33	248.2	Sn	07:16:55.049	-0.1	T__	---	---	15118020	FDSN	IR	--	ISC	iLoc	???	???	_
BLKB	2.44	183.2	Sn	07:16:59.322	1.0	T__	---	---	15118021	FDSN	IR	--	ISC	iLoc	???	???	_
BLKB	2.44	183.2	Sn	07:16:59.322	1.0	T__	---	---	15118022	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	2.79	183.4	Pn	07:16:35.500	3.3	T__	---	---	15118023	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	2.79	183.4	Sn	07:17:08.000	1.2	T__	---	---	15118024	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
2018/03/16	08:35:08.50	1.05	0.96	48.8984	21.3618	11.0	4.7	16	5.0A	12	7	138	0.07	1.72	m	ke	BUD	15118100	iLoc			188

Magnitude Err Nsta Author OrigID
M 2.1 4 BUD 15118100

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CRVS	0.07	86.6	Pg	08:35:08.913	-1.3					T__						15118102	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.07	86.6	Lg	08:35:10.932	-0.8					T__						15118103	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOLS	0.60	86.3	Pg	08:35:20.249	0.3					T__						15118104	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.60	86.3	Lg	08:35:30.427	0.7					T__						15118105	FDSN	SK	--	BUD	iLoc	HHE	???	_
HOLU	0.77	118.4	Pg	08:35:23.029	-0.1					T__						15118106	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.77	118.4	Lg	08:35:34.911	-1.1					T__						15118107	FDSN	UA	--	BUD	iLoc	MHZ	???	_
NIE	0.86	307.5	Pg	08:35:24.755	0.0					T__						15118108	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.86	307.5	Lg	08:35:36.987	-0.3					T__						15118109	FDSN	PL	--	BUD	iLoc	BHZ	???	_
BRIU	1.24	116.4	Pn	08:35:33.148	0.9					T__						15118110	FDSN	UA	--	BUD	iLoc	MHZ	???	_
PSZ	1.38	225.5	Pn	08:35:34.746	0.7					T__						15118111	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.38	225.5	Sn	08:35:55.359	0.9					T__						15118112	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.72	257.4	Sn	08:36:01.233	-1.4					T__						15118113	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
2018/03/16 08:42:24.91 2.02 0.87 46.1966 18.4089 20.5 7.1 110 0.0S 5 3 208 0.24 1.44 m kx BUD 15118025 iLoc 324
2018/03/16 08:42:26.39f 0.54 46.1765 18.2926f 0.0S 5 200 0.16 1.46 m kx BUD_GT 15136899 BUD 326
(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	08:42:31.002	0.8					T__						15137494	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.16	236.7	Lg	08:42:33.903	0.6					T__						15137495	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pg	08:42:43.356	0.7					T__						15137496	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.80	202.9	Lg	08:42:54.747	-0.2					T__						15137497	FDSN	Z3	--	BUD	BUD	BHN	???	_
A269A	1.46	2.4	Sn	08:43:13.890	-0.1					T__						15137498	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
2018/03/16 09:02:53.93 1.19 0.89 48.6297 20.6893 13.3 5.0 142 0.0S 10 5 143 0.20 1.24 m sx BUD 15118087 iLoc 157
(locality : Dvorniky-Vcelare Slovakia)
(description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
M 1.7 4 BUD 15118087

Sta	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	222.8	Pg	09:02:58.764	0.7					T__						15118089	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	222.8	Lg	09:03:01.905	0.6					T__						15118090	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	222.8	Lg	09:03:02.400	1.0					T__		0.7				15118091	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	61.6	Lg	09:03:15.060	0.5					T__						15118092	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.89	217.0	Pn	09:03:12.630	-0.4					T__						15118093	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	217.0	Lg	09:03:25.888	-0.5					T__						15118094	FDSN	GE	--	BUD	iLoc	BHE	???	_

LANS	0.96	303.3	Pn	09:03:14.426	0.5	T__									15118095	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KOLS	1.09	73.2	Pg	09:03:09.000	-5.6	---				6.6	---				15118096	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.09	73.2	Lg	09:03:32.046	-0.2	T__					---				15118097	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.24	264.4	Pn	09:03:16.088	-1.6	T__					---				15118098	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.24	264.4	Sn	09:03:35.945	-0.5	T__					---				15118099	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
2018/03/16	09:02:28.92	0.15	0.34	46.9738	22.3199	1.3	1.0	144	2.0A		25	120		0.32	2.43	a	ke BUC	15104102	ISC			360
2018/03/16	09:02:27.62	0.91	0.74	46.9993	22.2857	3.5	3.1	158	0.0S		53	20	74	0.35	2.47	m	kx BUD	15118032	iLoc			89

Magnitude	Err	Nsta	Author	OrigID
ml	1.9		BUC	15104102
M	2.1	6	BUD	15118032

Sta	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	0.35	285.1	Pg	09:02:35.941	0.6					T__						15118034	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.35	285.1	Pg	09:02:35.941	0.6					T__						15118035	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.35	285.1	Lg	09:02:41.848	0.2					T__						15118036	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.36	125.3	Pg	09:02:34.880	-0.2					T__						15118037	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.36	125.3	Lg	09:02:39.704	-1.6					T__						15118038	FDSN	RO	--	BUD	iLoc	BHN	???	_
MESR	0.48	71.4	Pg	09:02:37.646	0.3					T__						15118039	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	71.4	Pg	09:02:37.646	0.3					T__						15118040	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	71.4	Lg	09:02:44.021	-1.5					T__						15118041	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	210.7	Lg	09:02:56.786	-1.2					T__						15118042	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	210.5	Pg	09:02:45.099	0.1					T__						15118043	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.85	210.5	Lg	09:02:56.905	-1.2					T__						15118044	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.95	107.1	Pg	09:02:46.154	-0.1					T__						15118045	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	107.1	Pg	09:02:46.154	-0.1					T__		0.1				15118046	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	107.1	Pg	09:02:46.320	0.1					T__						15118047	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.95	107.1	Lg	09:02:59.330	-1.7					T__		0.1				15118048	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	107.1	Lg	09:03:01.994	1.0					T__						15118049	FDSN	RO	--	BUD	iLoc	BHN	???	_
BMR	1.06	50.3	Pg	09:02:49.004	0.6					T__						15118050	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BMR	1.06	50.2	Pg	09:02:49.163	0.7					T__						15118051	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.06	50.2	Pg	09:02:49.163	0.7					T__		0.1				15118052	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.06	50.2	Lg	09:03:04.478	-1.3					T__		0.1				15118053	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.20	158.8	Pn	09:02:51.257	0.6					T__						15118054	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.20	158.8	Pn	09:02:51.257	0.6					T__		0.1				15118055	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.25	185.2	Pg	09:02:51.983	0.1					T__						15118056	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.25	185.2	Pg	09:02:51.983	0.1					T__						15118057	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.25	185.2	Lg	09:03:08.973	-0.8					T__						15118058	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.42	85.8	Pn	09:02:54.666	0.2					T__						15118059	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BRIU	1.43	20.1	Pn	09:02:54.888	0.3					T__						15118060	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BZS	1.45	198.2	Pg	09:02:55.735	-0.1					T__						15118061	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.45	198.2	Sn	09:03:14.666	-0.5					T__						15118062	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.46	198.8	Pg	09:02:55.993	0.0					T__						15118063	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.46	198.8	Pg	09:02:55.993	0.0					T__						15118064	FDSN	IR	--	ISC	iLoc	???	???	_
HOLU	1.53	2.4	Pn	09:02:54.711	-1.2					T__						15118065	FDSN	UA	--	BUD	iLoc	MHZ	???	_
GZR	1.64	167.8	Pg	09:02:59.160	0.2					T__						15118066	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.64	167.8	Pg	09:02:59.160	0.2					T__						15118067	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.64	167.8	Pg	09:02:59.806	0.8					T__						15118068	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.64	167.8	Sn	09:03:20.875	0.5					T__						15118069	FDSN	RO	--	BUD	iLoc	BHN	???	_

GZR	1.64	167.8	Sn	09:03:21.088	0.7	T__	---	15118070	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.86	145.9	Sn	09:03:27.217	0.9	T__	---	15118071	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.86	145.9	Sn	09:03:27.217	0.9	T__	---	15118072	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.86	145.9	Sn	09:03:27.032	0.6	T__	---	15118073	FDSN	RO	--	BUD	iLoc	BHN	???	_
PSZ	1.87	300.4	Pn	09:02:59.857	-0.7	T__	---	15118074	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.87	300.4	Sn	09:03:25.964	0.2	T__	---	15118075	FDSN	GE	--	BUD	iLoc	BHN	???	_
BURAR	2.09	71.8	Pn	09:03:04.796	0.6	T__	---	15118076	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.09	71.8	Pn	09:03:04.796	0.6	T__	---	15118077	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.12	177.5	Sn	09:03:33.040	0.8	T__	---	15118078	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.12	177.5	Sn	09:03:33.040	0.8	T__	---	15118079	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.25	190.4	Sn	09:03:36.111	0.2	T__	---	15118080	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.25	190.4	Sn	09:03:36.111	0.2	T__	---	15118081	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.31	134.2	Pn	09:03:07.758	0.8	T__	---	15118082	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	2.31	134.2	Pn	09:03:07.758	0.8	T__	---	15118083	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.47	128.2	Pn	09:03:09.877	0.4	T__	---	15118084	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.47	128.2	Pn	09:03:09.877	0.4	T__	---	15118085	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.47	128.2	Sn	09:03:40.976	-1.0	T__	---	15118086	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
2018/03/17	09:01:30.41	1.12	0.77	47.0768	18.0859	5.5	4.9	118	9.7F	11.3	11	6	93	0.22	0.99	m	ke BUD	15118114	iLoc			156

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15118114

Sta	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	217.6	Pg	09:01:35.064	-0.3					T__						15118116	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.22	217.6	Lg	09:01:38.422	-0.8					T__						15118117	FDSN	HU	--	BUD	iLoc	HHE	???	_
A267A	0.30	115.6	Pg	09:01:37.142	0.3					T__						15118118	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.30	115.6	Lg	09:01:41.457	-0.2					T__						15118119	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.31	22.5	Pg	09:01:37.141	0.1					T__						15118120	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.31	22.5	Lg	09:01:42.347	0.3					T__						15118121	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.38	284.3	Pg	09:01:39.279	0.9					T__						15118122	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.38	284.3	Lg	09:01:44.147	-0.2					T__						15118123	FDSN	HU	--	BUD	iLoc	BHE	???	_
A338A	0.96	10.8	Pn	09:01:47.709	-1.0					T__						15118124	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KOVH	0.99	179.4	Pn	09:01:50.248	1.0					T__						15118125	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.99	179.4	Lg	09:02:03.428	-0.7					T__						15118126	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	
2018/03/18	17:51:05.22	1.11	0.65	46.0884	17.0813	6.1	4.3	35	14.7F	9.2	18	9	116	0.16	1.13	m	ke BUD	15118127	iLoc				167

Magnitude	Err	Nsta	Author	OrigID
M	2.2	7	BUD	15118127

Sta	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	0.16	63.7	Pg	17:51:09.547	-0.0					T__						15118129	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.16	63.7	Lg	17:51:12.655	-0.2					T__						15118130	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BEHE	0.44	331.1	Pg	17:51:15.703	1.2					T__						15118131	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.44	331.1	Lg	17:51:20.535	-0.7					T__						15118132	FDSN	HU	--	BUD	iLoc	BHE	???	_

A263A	0.58	16.2	x	17:51:18.064	-99.0	---	---	15118133	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.58	16.2	Lg	17:51:25.260	-0.3	T__	---	15118134	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A265A	0.60	55.6	Pg	17:51:17.541	0.0	T__	---	15118135	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.60	55.6	Lg	17:51:26.360	0.1	T__	---	15118136	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOGS	0.68	302.3	Pn	17:51:19.323	-0.3	T__	---	15118137	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.68	302.3	Sn	17:51:29.788	-1.2	T__	---	15118138	FDSN	SL	--	BUD	iLoc	BHE	???	_
KOVH	0.71	89.6	Pg	17:51:20.297	0.6	T__	---	15118139	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.71	89.6	Sn	17:51:31.306	-0.2	T__	---	15118140	FDSN	HU	--	BUD	iLoc	BHE	???	_
PTJ	0.80	257.3	Lg	17:51:32.158	-0.2	T__	---	15118141	FDSN	CR	--	BUD	iLoc	BHN	???	_
A252A	0.85	140.3	Pg	17:51:22.776	0.5	T__	---	15118142	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.85	140.3	Lg	17:51:34.144	0.1	T__	---	15118143	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A262A	0.87	334.0	Pg	17:51:23.424	1.0	T__	---	15118144	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.87	334.0	Lg	17:51:33.974	-0.6	T__	---	15118145	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.13	16.1	Pn	17:51:26.013	0.3	T__	---	15118146	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.13	16.1	Lg	17:51:42.971	-0.1	T__	---	15118147	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
2018/03/19	10:05:27.43	1.46	0.50	48.5020	20.8048	11.6	5.8	139	0.0S		7	5	161	0.21	1.57	m	kx	BUD	15118148	iLoc		245
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.1	3 BUD	15118148

Sta	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	265.1	Pg	10:05:32.002	0.1					T__	41.2	145.4		---	MLv	2.1	15118150	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.21	265.1	Lg	10:05:34.801	-0.6					T__				---		15118151	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 2.1 1																									
PSZ	0.84	226.5	Pg	10:05:45.539	0.3					T__	0.9	7.3		---	MLv	1.8	15118152	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.84	226.5	Lg	10:05:58.669	0.3					T__				---		15118153	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.8 1																									
NIE	0.97	340.7	Pg	10:05:46.150	0.4					T__	1.8	8.4		---	MLv	2.0	15118154	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.0 1																									
KOLS	1.06	65.5	Lg	10:06:04.419	-0.4					T__				---		15118155	FDSN	SK	--	BUD	iLoc	HHE	???	_	
BUD	1.57	230.2	Sn	10:06:17.854	-0.4					T__				---		15118156	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
2018/03/19	10:47:44.99	1.19	0.70	47.1044	18.0485	7.8	4.5	104	0.0S		10	5	148	0.23	1.02	m	sx	BUD	15118170	iLoc		192
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7		5 BUD	15118170

Sta	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	208.3	Pg	10:47:50.885	0.7					T__				---		15118172	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.23	208.3	Lg	10:47:54.753	0.5					T__				---		15118173	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.30	29.1	Pg	10:47:51.648	0.2					T__				---		15118174	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.30	29.1	Lg	10:47:56.483	-0.0					T__				---		15118175	FDSN	HU	--	BUD	iLoc	HHN	???	_

A268A	0.34	345.5	Pg	10:47:53.091	0.8	T__	---	15118176	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.34	345.5	Lg	10:47:57.378	-0.5	T__	---	15118177	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.35	280.9	Pg	10:47:52.513	-0.1	T__	---	15118178	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.35	280.9	Lg	10:47:57.908	-0.5	T__	---	15118179	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.02	178.0	Pn	10:48:05.465	-0.1	T__	---	15118180	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.02	178.0	Lg	10:48:19.740	-1.3	T__	---	15118181	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
2018/03/19	11:02:46.94	0.21	0.39	48.1622	16.8942	2.2	1.6	162	0.0F	0.0	15	4	0.61	1.30	a	kx	VIE	15104193	ISC			360
2018/03/19	11:02:46.53	0.94	0.96	48.1511	16.9256	6.1	3.0	147	0.0S		26	14	85	0.13	1.32	m	kx	BUD	15118182	iLoc		115

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

Magnitude	Err	Nsta	Author	OrigID
m1	1.4		VIE	15104193
M	2.1	7	BUD	15118182

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZST	0.13	69.1	Pg	11:02:49.628	-0.1					T__						15118184	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.13	69.1	Lg	11:02:51.664	-0.5					T__						15118185	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	46.5	Pg	11:02:53.190	-0.4					T__						15118186	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	46.5	Lg	11:02:57.923	-0.9					T__						15118187	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.62	223.4	Pg	11:02:58.699	-0.3					T__		0.7	0.16			15118188	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.62	223.4	Lg	11:03:07.191	-1.1					T__		3.5	0.34			15118189	FDSN	IR	--	ISC	iLoc	???	???	_
A334A	0.67	47.5	Pg	11:03:01.385	1.2					T__						15118190	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CONA	0.75	253.0	Pg	11:03:03.089	1.6					T__						15118191	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.75	253.0	Lg	11:03:12.376	-0.2					T__						15118192	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.75	253.1	Pg	11:03:01.013	-0.4					T__		0.1	0.10			15118193	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	253.1	Lg	11:03:11.839	-0.8					T__		1.9	0.26			15118194	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.78	159.4	Pg	11:03:03.165	0.7					T__						15118195	FDSN	HU	--	BUD	iLoc	HHZ	???	_
JAVC	0.86	34.7	Pn	11:03:06.422	1.1					T__						15118196	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.86	34.7	Sn	11:03:21.129	1.4					T__						15118197	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A260A	0.88	189.8	Lg	11:03:15.421	-1.8					T__						15118198	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KRUC	0.98	339.1	Pn	11:03:06.218	-0.4					T__						15118199	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.98	339.1	Sn	11:03:20.570	-1.5					T__						15118200	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.99	72.0	Lg	11:03:20.977	0.3					T__						15118201	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A013A	1.02	265.6	Lg	11:03:21.045	-0.1					T__						15118202	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VRAC	1.18	349.4	Pn	11:03:09.425	0.0					T__						15118203	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.18	349.4	Sn	11:03:26.676	-0.3					T__						15118204	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.31	227.0	Sn	11:03:30.358	0.2					T__		1.3	0.32			15118205	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	226.9	Pg	11:03:12.478	0.6					T__						15118206	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	226.9	Lg	11:03:32.173	1.5					T__						15118207	FDSN	OE	--	BUD	iLoc	BHN	???	_
VYHS	1.32	74.2	Pg	11:03:12.987	0.1					T__						15118208	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	74.2	Sn	11:03:29.068	-1.4					T__						15118209	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	
2018/03/19	14:50:20.49	1.79	0.72	46.1071	18.0374	12.7	6.9	111	0.0S		5	3	189	0.05	0.68	m	kx	BUD	15118210	iLoc			282
2018/03/19	14:50:20.15f		0.65	46.1254	18.0152f				0.0S		5		193	0.07	0.70	m	kx	BUD_GT	15136905	BUD			292

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	15118210
ML	1.7	0.1	3 BUD	15136905

Sta	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	14:50:22.254	0.0					T__		29.8		---	MLv	15137499	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	14:50:23.526	-0.5					T__				---		15137500	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.44	23.3	Pg	14:50:30.115	0.7					T__		15.9		---	MLv	15137501	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A252A	0.70	189.7	Pg	14:50:34.951	0.6					T__		9.1		---	MLv	15137502	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.70	189.7	Lg	14:50:44.132	-1.0					T__				---		15137503	FDSN	Z3	--	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
2018/03/20	01:01:06.30	1.21	0.66	46.1083	16.5169	6.4	4.6	112	8.0F	9.5	16	11	107	0.39	1.36	m	ke BUD	15118230	iLoc			142

Magnitude	Err	Nsta	Author	OrigID
M	1.8		5 BUD	15118230

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOGS	0.39	331.6	Lg	01:01:19.078	-1.0					T__				---		15118232	FDSN	SL	--	BUD	iLoc	BHE	???	_
BEHE	0.40	26.3	Pg	01:01:14.244	-0.5					T__				---		15118233	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.40	26.3	Lg	01:01:21.216	0.2					T__				---		15118234	FDSN	HU	--	BUD	iLoc	BHN	???	_
PTJ	0.43	242.5	Pg	01:01:15.007	-0.0					T__				---		15118235	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.43	242.5	Lg	01:01:21.343	-0.3					T__				---		15118236	FDSN	CR	--	BUD	iLoc	BHN	???	_
ZAG	0.46	232.9	Lg	01:01:22.997	0.3					T__				---		15118237	FDSN	CR	--	BUD	iLoc	BHE	???	_
A262A	0.76	0.6	Pg	01:01:21.889	0.5					T__				---		15118238	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.76	0.6	Lg	01:01:33.414	1.0					T__				---		15118239	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A021A	0.81	323.8	Pn	01:01:23.078	0.0					T__				---		15118240	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.81	323.8	Lg	01:01:32.719	-0.5					T__				---		15118241	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A010A	1.01	342.8	Lg	01:01:40.422	0.1					T__				---		15118242	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	1.10	90.5	Sn	01:01:42.310	-1.3					T__				---		15118243	FDSN	HU	--	BUD	iLoc	BHE	???	_
A252A	1.15	125.4	Pn	01:01:28.736	0.6					T__				---		15118244	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.15	125.4	Sn	01:01:44.844	-0.2					T__				---		15118245	FDSN	Z3	--	BUD	iLoc	BHN	???	_
ARSA	1.33	329.4	Sn	01:01:49.307	0.3					T__				---		15118246	FDSN	OE	--	BUD	iLoc	BHN	???	_
A011B	1.36	343.8	Lg	01:01:51.297	-0.2					T__				---		15118247	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
2018/03/20	09:03:38.06	1.02	0.84	48.5171	20.8194	6.8	3.6	153	0.0S		18	10	118	0.22	1.67	m	kx BUD	15118248	iLoc			160

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

Magnitude	Err	Nsta	Author	OrigID
M	1.9		7 BUD	15118248

Sta	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	261.4	Pg	09:03:42.980	0.2	T__	---	15118250	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	261.4	Lg	09:03:45.871	-0.5	T__	---	15118251	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	261.4	Lg	09:03:47.000	0.6	T__	---	15118252	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.57	47.6	Pg	09:03:49.789	0.7	T__	---	15118253	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	47.6	Lg	09:03:57.838	-0.7	T__	---	15118254	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.86	226.3	Pn	09:03:56.909	0.2	T__	---	15118255	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	226.3	Lg	09:04:09.888	0.3	T__	---	15118256	FDSN	GE	--	BUD	iLoc	BHE	???	_
STHS	0.94	17.1	Pg	09:03:56.540	1.1	T__	---	15118257	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.94	17.1	Lg	09:04:09.663	-0.0	T__	---	15118258	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	0.96	339.9	Pn	09:03:59.574	1.4	T__	---	15118259	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.96	339.9	Lg	09:04:09.918	-0.1	T__	---	15118260	FDSN	PL	--	BUD	iLoc	BHE	???	_
KOLS	1.05	66.1	Pn	09:03:59.406	-0.2	T__	---	15118261	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.05	66.1	Lg	09:04:15.049	0.1	T__	---	15118262	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.10	305.9	Pg	09:03:58.678	-0.8	T__	---	15118263	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.10	305.9	Lg	09:04:15.106	-0.5	T__	---	15118264	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	1.21	108.0	Sn	09:04:20.263	-0.3	T__	---	15118265	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.32	269.7	Sn	09:04:22.441	-0.2	T__	---	15118266	FDSN	SK	--	BUD	iLoc	HHN	???	_
KWP	1.67	47.4	Sn	09:04:30.349	-2.1	T__	---	15118267	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
 2018/03/20 09:12:54.05 1.17 0.89 48.6429 19.1423 5.7 4.6 134 0.0S 12 8 92 0.25 1.43 m kx BUD 15118268 iLoc 169
 (description : known quarry blast)
 (locality : Badin Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15118268

Sta	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	233.9	Pg	09:12:58.664	-0.6					T__						15118270	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.25	233.9	Lg	09:13:02.887	-0.3					T__						15118271	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.42	193.2	Pg	09:13:03.141	0.5					T__						15118272	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.42	193.2	Lg	09:13:09.854	1.0					T__						15118273	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A332A	0.48	290.1	Lg	09:13:09.569	-1.1					T__						15118274	FDSN	Z3	00	BUD	iLoc	HHE	???	_
LANS	0.55	22.8	Pg	09:13:04.923	-0.0					T__						15118275	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.55	22.8	Lg	09:13:14.032	0.9					T__						15118276	FDSN	SK	--	BUD	iLoc	EHN	???	_
A335A	0.57	250.2	Pg	09:13:06.045	0.5					T__						15118277	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
PSZ	0.88	145.0	Pn	09:13:13.320	0.4					T__						15118278	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	145.0	Lg	09:13:25.228	-1.1					T__						15118279	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.91	99.7	Lg	09:13:24.160	-1.4					T__						15118280	FDSN	SK	--	BUD	iLoc	EHN	???	_
ZST	1.43	252.5	Pg	09:13:22.277	-0.2					T__						15118281	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
 2018/03/20 10:15:45.26 0.95 0.93 48.8411 20.4761 3.8 3.2 153 0.0S 31 15 51 0.36 2.22 m kx BUD 15118282 iLoc 96
 (description : known quarry blast)
 (locality : Gretla Slovakia)

Magnitude Err Nsta Author OrigID
 M 2.0 8 BUD 15118282

Sta	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	0.36	179.0	Pg	10:15:52.800	0.3					T__		0.9		---		15118284	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.36	179.0	Pg	10:15:53.022	0.5					T__				---		15118285	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.36	179.0	Lg	10:15:58.569	0.5					T__				---		15118286	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	0.59	349.6	Pg	10:15:58.060	1.7					T__				---		15118287	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.59	349.6	Lg	10:16:04.371	-0.5					T__				---		15118288	FDSN	PL	--	BUD	iLoc	BHE	???	_
NIE	0.59	348.7	Pg	10:15:57.200	0.8					T__		0.1		---		15118289	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.65	84.3	Lg	10:16:08.000	-0.4					T__				---		15118290	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.65	84.3	Pg	10:15:57.959	0.3					T__				---		15118291	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.65	84.3	Lg	10:16:07.831	-0.6					T__				---		15118292	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	0.73	295.4	Pg	10:15:59.600	-0.1					T__		0.2		---		15118293	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	0.73	295.4	Pg	10:15:59.842	0.2					T__				---		15118294	FDSN	SK	--	BUD	iLoc	EHZ	???	_
ABAH	0.74	136.8	Pg	10:16:00.401	0.4					T__				---		15118295	FDSN	HU	--	BUD	iLoc	HHZ	???	_
STHS	0.77	40.9	Pg	10:15:59.587	0.2					T__				---		15118296	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.77	40.9	Pg	10:15:59.700	0.3					T__		0.4		---		15118297	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.77	40.9	Lg	10:16:08.697	-2.3					T__				---		15118298	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	1.00	203.0	Pg	10:16:06.500	0.3					T__		0.1		---		15118299	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.00	203.0	Lg	10:16:20.600	-1.0					T__		0.1		---		15118300	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.00	203.0	Pn	10:16:06.050	0.2					T__				---		15118301	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.00	203.0	Lg	10:16:20.859	-0.8					T__				---		15118302	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.14	252.9	Pn	10:16:07.000	-0.7					T__				---		15118303	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.14	252.9	Lg	10:16:22.700	-1.9					T__				---		15118304	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.14	252.9	Pg	10:16:08.340	0.3					T__				---		15118305	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.14	252.9	Lg	10:16:22.488	-2.1					T__				---		15118306	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.15	238.8	Sn	10:16:25.501	0.1					T__				---		15118307	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KOLS	1.19	84.9	Pn	10:16:08.544	-0.2					T__				---		15118308	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.19	84.9	Pn	10:16:08.700	-0.1					T__		18.6		---		15118309	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	1.47	255.3	Lg	10:16:34.832	-0.4					T__				---		15118310	FDSN	Z3	00	BUD	iLoc	HHN	???	_
TRPA	1.55	116.6	Pg	10:16:15.007	0.2					T__				---		15118311	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A338A	1.64	240.5	Lg	10:16:40.502	-0.2					T__				---		15118312	FDSN	Z3	00	BUD	iLoc	HH3	???	_
OKC	1.82	304.1	Lg	10:16:45.389	0.4					T__				---		15118313	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A268A	2.22	231.4	Sn	10:16:53.444	1.7					T__				---		15118314	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
2018/03/20	11:02:36.32	0.16	0.36	48.1175	16.9440	2.0	0.9	130	0.0F	0.0	10		2	0.60	1.29	a	kx VIE	15104289	ISC			360
2018/03/20	11:02:35.88	1.01	0.76	48.1435	16.9483	4.9	3.3	127	0.0S		24	11	94	0.12	1.31	m	kx BUD	15118315	iLoc			111
(locality : Hainburg Austria)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15104289
ml	1.5		VIE	15104289
M	1.9	7	BUD	15118315

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZST	0.12	62.9	Pg	11:02:38.628	-0.2					T__				---		15118317	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.12	62.9	Lg	11:02:40.613	-0.5					T__				---		15118318	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	43.6	Pg	11:02:42.368	-0.4					T__				---		15118319	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	43.6	Lg	11:02:46.821	-1.2					T__				---		15118320	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.62	224.9	Pg	11:02:47.860	-0.6					T__		0.8	0.14	---		15118321	FDSN	IR	--	ISC	iLoc	???	???	_

RONA	0.62	224.9	Lg	11:02:56.174	-1.6	T__	4.2	0.26	---	15118322	FDSN	IR	--	ISC	iLoc	???	???	_
A334A	0.67	46.1	Pg	11:02:49.827	0.4	T__			---	15118323	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CONA	0.76	253.9	Pg	11:02:51.427	0.4	T__			---	15118324	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.76	253.9	Lg	11:03:02.216	-0.2	T__			---	15118325	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.76	253.9	Lg	11:03:01.957	-0.4	T__	2.5	0.34	---	15118326	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.77	160.3	Lg	11:03:04.709	1.6	T__			---	15118327	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	0.86	33.6	Pn	11:02:55.295	0.6	T__			---	15118328	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.99	338.4	Pg	11:02:55.100	0.4	T__			---	15118329	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.99	338.4	Lg	11:03:08.000	-0.8	T__			---	15118330	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.99	338.4	Pn	11:02:55.702	-0.4	T__			---	15118331	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.99	338.4	Lg	11:03:09.239	0.5	T__			---	15118332	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MPLH	1.05	157.5	Lg	11:03:12.038	-0.3	T__			---	15118333	FDSN	HU	--	BUD	iLoc	BHE	???	_
VRAC	1.19	348.7	Pg	11:02:58.600	0.4	T__			---	15118334	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.19	348.7	Pn	11:02:59.010	0.1	T__			---	15118335	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.19	348.7	Lg	11:03:15.651	0.9	T__			---	15118336	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.31	227.7	Pg	11:03:01.515	0.1	T__	0.7	0.20	---	15118337	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	227.7	Sn	11:03:19.130	-0.6	T__	0.3	0.12	---	15118338	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	227.7	Pg	11:03:02.318	0.9	T__			---	15118339	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	227.7	Lg	11:03:20.791	0.6	T__			---	15118340	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
 2018/03/21 09:59:06.99 1.18 1.02 48.6361 20.3600 6.0 4.7 33 0.0S 13 8 118 0.17 1.20 m sx BUD 15118341 iLoc 168
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15118341

Sta	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	151.4	Pg	09:59:10.998	0.3				T__							15118343	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.17	151.4	Lg	09:59:14.093	0.5				T__							15118344	FDSN	SK	--	BUD	iLoc	EHZ	???	_
ABAH	0.68	119.8	Lg	09:59:30.544	-1.2				T__							15118345	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.78	69.5	Pg	09:59:22.365	0.7				T__							15118346	FDSN	SK	--	BUD	iLoc	HHZ	???	_
LANS	0.78	311.5	Pg	09:59:22.684	0.3				T__							15118347	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.78	311.5	Lg	09:59:32.960	-0.9				T__							15118348	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	0.78	203.6	Lg	09:59:35.900	0.1				T__			0.1				15118349	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.78	203.6	Pg	09:59:23.796	0.3				T__							15118350	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.78	203.6	Lg	09:59:35.609	-0.2				T__							15118351	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	0.99	246.5	Pn	09:59:27.947	0.8				T__							15118352	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.99	246.5	Lg	09:59:42.183	0.9				T__							15118353	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.02	262.6	Lg	09:59:42.462	0.1				T__							15118354	FDSN	SK	--	BUD	iLoc	HHN	???	_
A270A	1.20	229.1	Sn	09:59:45.613	-2.4				T__							15118355	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
 2018/03/21 10:06:43.59 2.13 1.08 48.6279 20.7774 16.4 7.5 13 0.0S 8 5 232 0.24 1.30 m sx BUD 15118356 iLoc 315
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
M 1.6 4 BUD 15118356

Sta	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	233.3	Pg	10:06:49.580	1.0					T__						15118358	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.24	233.3	Lg	10:06:53.166	0.7					T__						15118359	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.45	137.0	Pg	10:06:53.358	0.6					T__						15118360	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.92	220.0	Pn	10:07:02.974	-0.2					T__						15118361	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.92	220.0	Lg	10:07:16.746	-0.5					T__						15118362	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.25	252.2	Sn	10:07:24.461	-1.7					T__						15118363	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.30	264.8	Pg	10:07:10.260	0.8					T__						15118364	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	264.8	Lg	10:07:28.057	-0.3					T__						15118365	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
2018/03/21	12:31:49.95	1.30	0.39	48.6309	20.2167	7.1	6.4	174	0.0A		8	4	124	0.23	1.39	m	ke BUD	15118385	iLoc			245

Magnitude Err Nsta Author OrigID
M 1.8 5 BUD 15118385

Sta	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	129.5	Pg	12:31:55.209	0.4					T__						15118387	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	129.5	Lg	12:31:58.282	-0.2					T__						15118388	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	0.74	196.9	Pg	12:32:05.353	-0.4					T__						15118389	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.74	196.9	Lg	12:32:17.214	-0.2					T__						15118390	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.79	4.6	Pg	12:32:08.879	4.1					T__						15118391	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.79	4.6	Lg	12:32:15.870	-0.4					T__						15118392	FDSN	PL	--	BUD	iLoc	BHE	???	_
A336A	0.90	244.3	Pn	12:32:08.782	-0.0					T__						15118393	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.90	244.3	Lg	12:32:21.444	0.2					T__						15118394	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A338A	1.39	244.4	Pg	12:32:18.004	0.4					T__						15118395	FDSN	Z3	00	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
2018/03/22	12:28:50.56	1.05	0.95	47.8593	19.1738	5.5	4.0	158	0.0S		17	10	148	0.11	1.42	m	kx BUD	15118366	iLoc			177
2018/03/22	12:28:50.71f		1.01	47.8355	19.1270f				0.0S		17		150	0.07	1.41	m	kx BUD_GT	15136908	BUD			177

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
M 1.8 7 BUD 15136908

Sta	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	12:28:52.857	0.2					T__						15137504	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.07	277.6	Lg	12:28:56.176	1.9					T__						15137505	FDSN	Z3	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Pg	12:28:58.523	-0.6					T__						15137506	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.41	347.9	Lg	12:29:04.702	-0.6					T__						15137507	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	12:29:00.790	-1.3					T__						15137508	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.52	80.6	Lg	12:29:08.808	-1.8					T__						15137509	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	0.69	343.6	Pg	12:29:04.150	-0.5					T__						15137510	FDSN	SK	--	BUD	BUD	HHZ	???	_

VYHS	0.69	343.6	Lg	12:29:13.829	-1.1	T__	---	15137511	FDSN	SK	--	BUD	BUD	HHN	???	_
CSKK	0.75	231.4	Sn	12:29:20.605	-0.3	T__	---	15137512	FDSN	HU	--	BUD	BUD	HHE	???	_
A335A	0.81	319.4	Pg	12:29:06.664	-0.4	T__	---	15137513	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A335A	0.81	319.4	Lg	12:29:19.181	0.2	T__	---	15137514	FDSN	Z3	00	BUD	BUD	HHE	???	_
A268A	0.91	244.0	Lg	12:29:21.475	-1.0	T__	---	15137515	FDSN	Z3	00	BUD	BUD	HHN	???	_
KECS	1.12	54.0	Pn	12:29:12.531	-0.2	T__	---	15137516	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	1.12	54.0	Sn	12:29:29.851	-0.1	T__	---	15137517	FDSN	SK	--	BUD	BUD	EHN	???	_
MPLH	1.27	238.8	Pg	12:29:18.195	2.3	T__	---	15137518	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	1.27	238.8	Sn	12:29:33.421	0.0	T__	---	15137519	FDSN	HU	--	BUD	BUD	BHE	???	_
JAVC	1.41	317.1	Lg	12:29:38.969	-0.5	T__	---	15137520	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
 2018/03/23 08:23:02.70 1.08 2.00 47.1771 18.1866 7.8 3.8 112 0.0S 14 8 145 0.19 6.41 m sx BUD 15118396 iLoc 167
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15118396

Sta	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	0.19	15.1	Pg	08:23:06.850	-0.3				T__		---				15118398	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
CSKK	0.19	15.1	Lg	08:23:10.474	-0.2				T__		---				15118399	FDSN	HU	--	BUD	iLoc	HHE	???	_	
TIH	0.34	216.5	Pg	08:23:09.644	-0.4				T__		---				15118400	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
TIH	0.34	216.5	Lg	08:23:13.117	-2.6				T__		---				15118401	FDSN	HU	--	BUD	iLoc	HHE	???	_	
MPLH	0.44	269.3	Pg	08:23:11.154	-0.8				T__		---				15118402	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MPLH	0.44	269.3	Lg	08:23:16.998	-2.0				T__		---				15118403	FDSN	HU	--	BUD	iLoc	BHE	???	_	
A269A	0.48	16.0	Pg	08:23:14.011	1.3				T__		---				15118404	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A269A	0.48	16.0	Lg	08:23:17.781	-2.5				T__		---				15118405	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MORH	1.01	161.7	Pn	08:23:23.603	0.6				T__		---				15118406	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MORH	1.01	161.7	Sn	08:23:38.582	-0.6				T__		---				15118407	FDSN	HU	--	BUD	iLoc	BHE	???	_	
KOVH	1.09	183.2	Pg	08:23:24.070	-0.6				T__		---				15118408	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
KOVH	1.09	183.2	Lg	08:23:38.894	-2.1				T__		---				15118409	FDSN	HU	--	BUD	iLoc	BHE	???	_	
COR1	5.09	227.7	Lg	08:25:52.970	3.4				T__		---				15118410	FDSN	IR	--	ISC	iLoc	???	???	_	
CERT	6.41	217.3	Pg	08:25:06.930	2.7				T__		---				15118411	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
 2018/03/23 09:30:18.96 2.20 0.96 48.5375 20.7759 19.4 5.5 7 0.0S 7 4 219 0.20 1.29 m kx BUD 15118412 iLoc 315
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.1 3 BUD 15118412

Sta	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	254.4	Pg	09:30:23.173	0.0				T__		15.3	60.0			MLv 1.6	15118414	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.20	254.4	Lg	09:30:27.507	1.1				T__		---				---	15118415	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.6 1																										
ABAH	0.39	127.8	Pg	09:30:27.771	0.8				T__		2.0	6.9			MLv 1.2	15118416	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
ABAH	0.39	127.8	Lg	09:30:32.974	-0.8				T__		---				---	15118417	FDSN	HU	--	BUD	iLoc	HHN	???	_		

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(Station ML : 1.2 1
PSZ 0.86 223.9 Pg 09:30:37.436 0.5 T__ 1.7 5.4 ___ MLv 1.7 15118418 FDSN GE -- BUD iLoc BHZ BHZ _
PSZ 0.86 223.9 Lg 09:30:49.909 -0.4 T__ ___ 15118419 FDSN GE -- BUD iLoc BHE ??? _
(Station ML : 1.7 1
VYHS 1.29 268.8 Sn 09:31:01.833 -1.0 T__ ___ 15118420 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
2018/03/23 10:44:10.67 1.14 1.50 48.2215 21.2102 8.4 4.9 174 0.0S 12 8 156 0.08 2.39 m kx BUD 15118434 iLoc 183
2018/03/23 10:44:10.80f 1.34 48.2470 21.2460f 0.0S 12 153 0.05 2.41 m kx BUD_GT 15136911 BUD 181

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

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Magnitude Err Nsta Author OrigID
M 2.1 7 BUD 15136911

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Sta 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 10:44:11.987 -0.4 T__ ___ 15137521 FDSN HU -- BUD BUD HHZ ??? _
ABAH 0.05 355.1 Lg 10:44:13.190 -0.6 T__ ___ 15137522 FDSN HU -- BUD BUD HHE ??? _
KECS 0.56 295.3 Pg 10:44:21.765 -0.3 T__ ___ 15137523 FDSN SK -- BUD BUD EHE ??? _
CRVS 0.67 12.2 Pg 10:44:24.617 1.0 T__ ___ 15137524 FDSN SK -- BUD BUD HHZ ??? _
HOLU 0.81 69.3 Pg 10:44:27.632 1.2 T__ ___ 15137525 FDSN UA -- BUD BUD MHZ ??? _
HOLU 0.81 69.3 Lg 10:44:40.672 0.6 T__ ___ 15137526 FDSN UA -- BUD BUD MHZ ??? _
TRPA 0.87 97.2 Pg 10:44:28.105 0.3 T__ ___ 15137527 FDSN HU -- BUD BUD BHZ ??? _
TRPA 0.87 97.2 Lg 10:44:41.001 -1.7 T__ ___ 15137528 FDSN HU -- BUD BUD BHZ ??? _
PSZ 0.96 250.6 Pn 10:44:30.899 -0.1 T__ ___ 15137529 FDSN GE -- BUD BUD BHZ ??? _
PSZ 0.96 250.6 Lg 10:44:42.617 -3.4 T__ ___ 15137530 FDSN GE -- BUD BUD BHN ??? _
A338A 1.95 264.2 Pn 10:44:46.505 1.9 T__ ___ 15137531 FDSN Z3 00 BUD BUD HHZ ??? _
A334A 2.41 279.9 Pn 10:44:51.250 0.2 T__ ___ 15137532 FDSN Z3 00 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
2018/03/23 11:01:10.86 3.04 1.54 48.6656 20.7707 22.9 6.7 2 0.0S 7 4 236 0.26 1.30 m kx BUD 15118448 iLoc 315
(description : known quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

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Magnitude Err Nsta Author OrigID

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
KECS 0.26 226.2 Pg 11:01:18.226 2.0 T__ ___ 15118450 FDSN SK -- BUD iLoc EHZ ??? _
KECS 0.26 226.2 Lg 11:01:20.695 0.3 T__ ___ 15118451 FDSN SK -- BUD iLoc EHN ??? _
ABAH 0.48 139.7 Pg 11:01:21.763 1.1 T__ ___ 15118452 FDSN HU -- BUD iLoc HHZ ??? _
ABAH 0.48 139.7 Lg 11:01:27.756 -1.1 T__ ___ 15118453 FDSN HU -- BUD iLoc HHE ??? _
PSZ 0.95 218.4 Pg 11:01:29.727 -1.1 T__ ___ 15118454 FDSN GE -- BUD iLoc BHZ ??? _
PSZ 0.95 218.4 Lg 11:01:45.796 0.3 T__ ___ 15118455 FDSN GE -- BUD iLoc BHE ??? _
VYHS 1.30 263.1 Sn 11:01:53.493 -1.4 T__ ___ 15118456 FDSN SK -- 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
2018/03/24	10:02:53.48	1.59	1.16	45.8691	18.3861	11.7	7.1	132	1.0A	6	4	193	0.30	1.08	m	ke	BUD	15118457	iLoc			290

Magnitude Err Nsta Author OrigID

Sta	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	0.30	317.8	Pg	10:03:00.674	1.0					T__						15118459	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.30	317.8	Lg	10:03:03.604	-0.9					T__						15118460	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.39	27.3	Pg	10:03:02.335	0.9					T__						15118461	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.39	27.3	Lg	10:03:06.533	-1.0					T__						15118462	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.57	221.2	Lg	10:03:13.266	-0.7					T__						15118463	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A267A	1.08	3.5	Pn	10:03:14.199	-0.3					T__						15118464	FDSN	Z3	00	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	
2018/03/24	14:52:45.99	1.23	1.13	47.9155	21.8948	6.0	4.4	69	5.6F	10.9	14	8	90	0.48	1.66	m	ke	BUD	15118465	iLoc			149

Magnitude Err Nsta Author OrigID

M 1.7 6 BUD 15118465

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TRPA	0.48	63.3	Pg	14:52:55.635	0.2					T__						15118467	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.48	63.3	Lg	14:53:02.850	-0.8					T__						15118468	FDSN	HU	--	BUD	iLoc	BHE	???	_
LTVH	0.53	179.6	Pg	14:52:56.941	0.1					T__						15118469	FDSN	HU	--	BUD	iLoc	HHZ	???	_
LTVH	0.53	179.6	Lg	14:53:05.344	-0.4					T__						15118470	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.58	311.2	Pg	14:52:57.416	-0.0					T__						15118471	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.58	311.2	Lg	14:53:05.151	-1.8					T__						15118472	FDSN	HU	--	BUD	iLoc	HHN	???	_
PODL	0.91	4.2	Pn	14:53:05.032	0.3					T__						15118473	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PODL	0.91	4.2	Lg	14:53:17.939	0.2					T__						15118474	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	1.03	343.9	Pg	14:53:06.118	0.9					T__						15118475	FDSN	SK	--	BUD	iLoc	HHZ	???	_
DRGR	1.25	153.4	Pn	14:53:10.138	0.5					T__						15118476	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.25	153.4	Sn	14:53:26.311	-1.8					T__						15118477	FDSN	RO	--	BUD	iLoc	BHE	???	_
PSZ	1.35	270.9	Pn	14:53:11.970	1.1					T__						15118478	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.35	270.9	Sn	14:53:29.155	-1.2					T__						15118479	FDSN	GE	--	BUD	iLoc	BHN	???	_
SIRR	1.66	185.6	Sn	14:53:38.739	1.2					T__						15118480	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	
2018/03/26	07:51:14.46	1.08	0.99	48.6447	20.7039	6.7	4.2	158	0.0S		14	7	120	0.22	1.71	m	kx	BUD	15118497	iLoc			191

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

Magnitude Err Nsta Author OrigID

M 1.5 6 BUD 15118497

Sta	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	222.0	Pg	07:51:18.990	0.0					T__						15118499	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	222.0	Lg	07:51:21.628	-0.8					T__						15118500	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	222.0	Lg	07:51:22.900	0.4					T__		1.4				15118501	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.50	134.2	Pg	07:51:25.953	1.4					T__						15118502	FDSN	HU	--	BUD	iLoc	HHZ	???	_

ABAH	0.50	134.2	Lg	07:51:31.513	-1.5	T__	---	15118503	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.56	62.5	Pg	07:51:25.882	0.6	T__	---	15118504	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	62.5	Lg	07:51:32.715	-1.9	T__	---	15118505	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.91	216.9	Pn	07:51:33.800	0.0	T__	---	15118506	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.91	216.9	Pg	07:51:33.543	0.0	T__	---	15118507	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	216.9	Lg	07:51:46.462	-1.1	T__	---	15118508	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.96	302.3	Pn	07:51:34.720	0.2	T__	---	15118509	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.25	263.8	Pg	07:51:39.606	0.3	T__	---	15118510	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.25	263.8	Lg	07:51:57.183	-0.5	T__	---	15118511	FDSN	SK	--	BUD	iLoc	HHN	???	_
A331A	1.71	288.1	Sn	07:52:09.520	0.5	T__	---	15118512	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
2018/03/26	08:43:35.83	1.53	0.39	47.2957	17.6431	7.7	6.4	52	0.0S		6	4	140	0.14	1.28	m	kx	BUD	15118481	iLoc		231
(description : known quarry blast)																						
(locality : Ugod Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.3	0.3	2 BUD	15118481

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MPLH	0.14	209.4	Pg	08:43:39.646	0.3				T__		10.7	26.0		---	MLv	1.1	15118483	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.14	209.4	Lg	08:43:41.580	-0.6				T__					---		15118484	FDSN	HU	--	BUD	iLoc	BHE	???	_	
EGYH	0.24	299.8	Pg	08:43:41.326	-0.0				T__		4.8	39.6		---	MLv	1.6	15118485	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.24	299.8	Lg	08:43:45.702	0.1				T__					---		15118486	FDSN	HU	--	BUD	iLoc	HHE	???	_	
CSKK	0.43	80.6	Lg	08:43:51.427	-0.2				T__					---		15118487	FDSN	HU	--	BUD	iLoc	HHE	???	_	
MORH	1.28	147.1	Lg	08:44:20.130	-0.0				T__					---		15118488	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
2018/03/26	09:45:35.09	1.46	0.68	45.5718	17.3179	10.4	5.5	15	8.9F	12.1	11	6	180	0.40	1.15	m	ke	BUD	15118513	iLoc		235

Magnitude	Err	Nsta	Author	OrigID
M	1.7		5 BUD	15118513

Sta	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	0.40	109.9	Pg	09:45:43.617	0.2				T__					---		15118515	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.40	109.9	Lg	09:45:49.447	-0.3				T__					---		15118516	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.75	46.3	Pg	09:45:49.847	-0.5				T__					---		15118517	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.75	46.3	Lg	09:46:02.486	1.2				T__					---		15118518	FDSN	HU	--	BUD	iLoc	BHE	???	_
BEHE	0.97	337.4	Pg	09:45:55.230	0.6				T__					---		15118519	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.97	337.4	Lg	09:46:07.537	-0.9				T__					---		15118520	FDSN	HU	--	BUD	iLoc	BHN	???	_
PTJ	1.00	290.0	Pn	09:45:54.785	0.1				T__					---		15118521	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	1.00	290.0	Lg	09:46:08.874	-0.1				T__					---		15118522	FDSN	CR	--	BUD	iLoc	BHE	???	_
MORH	1.13	54.7	Pn	09:45:55.963	-0.2				T__					---		15118523	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.13	54.7	Sn	09:46:12.521	0.0				T__					---		15118524	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	1.15	320.1	Sn	09:46:13.154	-0.2				T__					---		15118525	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
2018/03/26	10:00:47.06	1.09	0.83	46.9155	17.4045	4.6	4.1	26	0.0S	17	9	103	0.18	1.11	m	kx	BUD	15118526	iLoc			128
2018/03/26	10:00:46.90f		1.42	46.8548	17.2699f				0.0S	17		85	0.13	1.14	m	kx	BUD_GT	15136914	BUD			123

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

Magnitude	Err	Nsta	Author	OrigID
M	2.0	6	BUD	15136914

Sta	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	10:00:50.599	0.4					T__						15137533	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A261A	0.13	319.5	Lg	10:00:53.652	0.8					T__						15137534	FDSN	Z3	00	BUD	BUD	HHN	???	_
A263A	0.22	171.8	Lg	10:00:58.984	3.2					T__						15137537	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.37	30.2	Pg	10:00:53.516	-1.2					T__						15137535	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.37	30.2	Lg	10:00:59.693	-1.1					T__						15137536	FDSN	HU	--	BUD	BUD	BHN	???	_
BEHE	0.51	221.7	Pg	10:01:00.978	3.3					T__						15137539	FDSN	HU	--	BUD	BUD	BHZ	???	_
EGYH	0.56	4.3	Pg	10:00:56.934	-1.8					T__						15137538	FDSN	HU	--	BUD	BUD	HHZ	???	_
A266A	0.76	115.3	Pg	10:01:01.690	-0.7					T__						15137540	FDSN	Z3	00	BUD	BUD	HHZ	???	_
KOGS	0.81	240.3	Pn	10:01:05.861	0.9					T__						15137541	FDSN	SL	--	BUD	BUD	BHZ	???	_
KOGS	0.81	240.3	Sn	10:01:18.632	-0.5					T__						15137542	FDSN	SL	--	BUD	BUD	BHE	???	_
KOGS	0.81	240.3	Sn	10:01:19.300	0.2					T__		0.3				15137543	FDSN	IR	--	ISC	BUD	???	???	_
KOVH	0.96	142.9	Pn	10:01:06.971	0.1					T__						15137544	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.96	142.9	Lg	10:01:20.372	-0.6					T__						15137545	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	0.96	142.9	Lg	10:01:20.600	-0.3					T__						15137546	FDSN	IR	--	ISC	BUD	???	???	_
MORH	1.14	123.5	Pn	10:01:08.798	-0.5					T__						15137547	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.14	123.5	Sn	10:01:25.178	-1.7					T__						15137548	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.14	123.5	Sn	10:01:25.800	-1.1					T__						15137549	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
2018/03/26	10:37:59.41	1.65	0.52	48.5714	20.7320	10.2	6.2	140	0.0S	9	6	165	0.19	1.36	m	kx	BUD	15118545	iLoc			275

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15118545

Sta	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	241.8	Pg	10:38:03.604	0.3					T__						15118547	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	241.8	Lg	10:38:07.141	0.7					T__						15118548	FDSN	SK	--	BUD	iLoc	EHE	???	_
CRVS	0.59	55.3	Pg	10:38:10.617	-0.0					T__						15118549	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.86	220.9	Pg	10:38:16.869	-0.7					T__						15118550	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	220.9	Lg	10:38:31.306	0.4					T__						15118551	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.02	305.2	Pg	10:38:19.338	-0.0					T__						15118552	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.26	267.2	Pg	10:38:24.266	-0.3					T__						15118553	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	267.2	Lg	10:38:42.591	-0.5					T__						15118554	FDSN	SK	--	BUD	iLoc	HHN	???	_
A270A	1.36	238.3	Pg	10:38:26.925	-0.0					T__						15118555	FDSN	Z3	00	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
 2018/03/27 09:01:50.19 1.12 0.76 48.3964 18.4974 6.0 3.6 20 0.0S 15 9 77 0.12 1.05 m sx BUD 15118556 iLoc 141
 (description : suspected quarry blast)
 (locality : Hostie Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.5 5 BUD 15118556

Sta	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	295.2	Pg	09:01:52.906	0.0					T__						15118558	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.12	295.2	Lg	09:01:55.242	0.2					T__						15118559	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	0.25	66.4	Pg	09:01:56.071	0.8					T__						15118560	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.25	66.4	Lg	09:01:59.735	0.6					T__						15118561	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.37	115.8	Pg	09:01:58.768	0.9					T__						15118562	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.37	115.8	Lg	09:02:02.252	-1.2					T__						15118563	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A338A	0.39	194.3	Lg	09:02:04.991	0.6					T__						15118564	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A332A	0.41	357.0	Lg	09:02:04.222	-0.3					T__						15118565	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.72	310.5	Pg	09:02:05.282	0.5					T__						15118566	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.72	310.5	Lg	09:02:14.239	-1.2					T__						15118567	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MODS	0.81	268.8	Pn	09:02:07.928	-0.1					T__						15118568	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.81	268.8	Lg	09:02:19.124	0.4					T__						15118569	FDSN	SK	--	BUD	iLoc	HHE	???	_
ZST	0.95	258.4	Lg	09:02:22.788	-0.5					T__						15118570	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.05	116.6	Pg	09:02:11.745	-0.5					T__						15118571	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.05	116.6	Lg	09:02:26.859	-0.9					T__						15118572	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
 2018/03/27 09:20:15.89 1.19 0.43 48.5786 20.7317 5.7 4.1 175 0.0S 15 9 90 0.19 1.29 m kx BUD 15118573 iLoc 114
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 7 BUD 15118573

Sta	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	239.8	Pg	09:20:20.197	0.3					T__						15118575	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	239.8	Lg	09:20:23.092	0.1					T__						15118576	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.19	239.8	Lg	09:20:23.700	0.7					T__		1.0				15118577	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.44	129.7	Pg	09:20:25.242	0.4					T__						15118578	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	129.7	Lg	09:20:31.962	-0.5					T__						15118579	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.58	55.9	Pg	09:20:27.241	0.2					T__						15118580	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	220.6	Pg	09:20:34.052	-0.1					T__						15118581	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	220.6	Lg	09:20:47.793	0.2					T__						15118582	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.90	21.7	Pg	09:20:33.053	0.5					T__						15118583	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.01	304.9	Pg	09:20:35.971	0.2					T__						15118584	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.01	304.9	Lg	09:20:50.090	-0.5					T__						15118585	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	1.21	254.0	Lg	09:20:58.104	0.4					T__						15118586	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.26	266.9	Pg	09:20:40.862	-0.2					T__						15118587	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	266.9	Sn	09:20:58.454	-0.6					T__						15118588	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	1.29	109.7	Sn	09:20:59.856	-0.4					T__						15118589	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
2018/03/27	10:55:35.50	1.14	0.87	48.4255	17.4765	7.9	4.3	125	0.0S	14	10	119	0.14	1.25	m	sx	BUD	15118590	iLoc			168

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15118590

Sta	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	248.5	Pg	10:55:38.423	-0.6					T__						15118592	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.14	248.5	Lg	10:55:40.660	-1.1					T__						15118593	FDSN	SK	--	BUD	iLoc	HHN	???	_
A334A	0.22	36.3	Pg	10:55:40.600	0.3					T__						15118594	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
ZST	0.34	227.5	Pg	10:55:42.685	-0.1					T__						15118595	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A333A	0.38	319.7	Pg	10:55:44.088	0.8					T__						15118596	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.45	16.5	Pg	10:55:44.388	-0.5					T__						15118597	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.45	16.5	Lg	10:55:49.939	-2.0					T__						15118598	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VYHS	0.91	85.2	Pn	10:55:55.689	1.0					T__						15118599	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KRUC	0.96	312.1	Pg	10:55:53.847	0.2					T__						15118600	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.96	312.1	Lg	10:56:07.462	0.2					T__						15118601	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	1.06	326.9	Pg	10:55:55.623	0.2					T__						15118602	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CONA	1.19	245.9	Pg	10:55:58.804	-0.3					T__						15118603	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.19	245.9	Sn	10:56:15.988	-0.7					T__						15118604	FDSN	OE	--	BUD	iLoc	BHN	???	_
A260A	1.25	204.7	Lg	10:56:18.750	0.5					T__						15118605	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
2018/03/28	07:40:48.34	1.14	0.70	48.5769	20.7779	7.6	4.2	168	0.0S	12	6	134	0.22	1.55	m	kx	BUD	15118606	iLoc			212
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4	5	BUD	15118606

Sta	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	244.3	Pg	07:40:52.992	0.1					T__						15118608	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	244.3	Lg	07:40:56.269	-0.1					T__						15118609	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	244.3	Lg	07:40:57.800	1.5					T__		0.6				15118610	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.42	132.3	Pg	07:40:57.027	0.2					T__						15118611	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.42	132.3	Lg	07:41:03.249	-0.8					T__						15118612	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.56	54.0	Pg	07:40:59.702	0.7					T__						15118613	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	54.0	Lg	07:41:07.856	-0.4					T__						15118614	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	222.2	Pn	07:41:07.560	0.2					T__						15118615	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	222.2	Lg	07:41:20.426	-0.3					T__						15118616	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.29	267.0	Pg	07:41:13.808	-0.3					T__						15118617	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	267.0	Sn	07:41:31.925	-0.4					T__						15118618	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.55	279.3	Lg	07:41:40.269	-0.8					T__						15118619	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
2018/03/28	08:15:15.16	1.78	0.49	46.1059	18.0399	11.2	6.5	97	0.0S	7	4	188	0.05	0.68	m	kx	BUD	15118620	iLoc			267
2018/03/28	08:15:14.92f		0.55	46.1254	18.0152f				0.0S	7		193	0.07	0.70	m	kx	BUD_GT	15135167	BUD			261

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD	15118620
ML	1.7	0.3	3 BUD	15135167

Sta	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	08:15:17.119	0.1					T__		190.1		---	MLv	15137550	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	08:15:18.493	-0.3					T__				---		15137551	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.44	23.3	Pg	08:15:24.956	0.8					T__		24.4		---	MLv	15137554	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.44	23.3	Lg	08:15:31.748	0.4					T__				---		15137555	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pg	08:15:24.295	-0.0					T__		2.0		---	MLv	15137552	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	08:15:30.758	-0.8					T__				---		15137553	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.70	189.7	Lg	08:15:39.136	-0.8					T__				---		15137556	FDSN	Z3	--	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
2018/03/28	11:53:55.91	1.89	0.90	46.1993	17.9733	11.3	6.8	99	0.0S	6	4	184	0.14	1.47	m	kx	BUD	15118642	iLoc			261
2018/03/28	11:53:57.31f		0.47	46.1254	18.0152f				0.0S	6		179	0.07	1.53	m	kx	BUD_GT	15135172	BUD			248

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

Magnitude	Err	Nsta	Author	OrigID
M	1.6		4 BUD	15135172

Sta	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	11:53:59.628	0.2					T__				---		15137557	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.07	122.2	Lg	11:54:00.951	-0.2					T__				---		15137558	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.45	78.1	Pg	11:54:06.345	-0.4					T__				---		15137559	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Lg	11:54:13.063	-0.9					T__				---		15137560	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Pg	11:54:12.096	0.5					T__				---		15137561	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A269A	1.53	9.3	Pn	11:54:25.381	0.2					T__				---		15137562	FDSN	Z3	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
2018/03/28	14:08:00.38	1.08	0.54	48.3292	19.8540	5.0	4.3	169	0.0S	14	8	84	0.41	1.58	m	kx	BUD	15118650	iLoc			144

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7		7 BUD	15118650

Sta	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	176.2	Pg	14:08:09.402	-0.0					T__				---		15118652	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.41	176.2	Lg	14:08:16.062	-0.2					T__				---		15118653	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.45	69.7	Pg	14:08:09.267	-0.2					T__				---		15118654	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.45	69.7	Lg	14:08:17.127	0.8					T__				---		15118655	FDSN	SK	--	BUD	iLoc	EHN	???	_

A336A	0.58	260.8	Pg	14:08:13.053	0.9	T__	---	15118656	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.58	260.8	Lg	14:08:20.831	0.1	T__	---	15118657	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.70	284.0	Pg	14:08:14.110	-0.3	T__	---	15118658	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.70	284.0	Lg	14:08:24.031	-0.8	T__	---	15118659	FDSN	SK	--	BUD	iLoc	HHN	???	_
LANS	0.86	342.9	Pg	14:08:17.564	0.3	T__	---	15118660	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.86	342.9	Lg	14:08:29.728	-0.2	T__	---	15118661	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.93	91.5	Lg	14:08:33.597	-0.2	T__	---	15118662	FDSN	HU	--	BUD	iLoc	HHE	???	_
NIE	1.13	15.4	Pn	14:08:23.144	0.4	T__	---	15118663	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	1.13	15.4	Sn	14:08:39.588	-0.8	T__	---	15118664	FDSN	PL	--	BUD	iLoc	BHE	???	_
A268A	1.58	236.1	Pg	14:08:31.573	-0.1	T__	---	15118665	FDSN	Z3	00	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
 2018/03/29 06:50:35.98 1.56 0.68 47.0925 18.0522 8.7 6.1 84 0.0S 7 4 150 0.22 1.01 m sx BUD 15118666 iLoc 255
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 ML 1.7 0.5 3 BUD 15118666

Sta	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	210.4	Pg	06:50:41.226	0.2					T__	11.2	126.0		---	MLv	2.0	15118668	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.22	210.4	Lg	06:50:44.686	-0.3					T__				---		15118669	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.0 1																									
CSKK	0.31	27.6	Lg	06:50:47.332	-0.5					T__				---		15118670	FDSN	HU	--	BUD	iLoc	HHE	???	_	
MPLH	0.36	282.7	Pg	06:50:44.126	0.5					T__	3.9	8.6		---	MLv	1.2	15118671	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.36	282.7	Lg	06:50:48.961	-0.6					T__				---		15118672	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.2 1																									
KOVH	1.01	178.1	Pg	06:50:56.900	0.6					T__	2.0	4.0		---	MLv	1.7	15118673	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.01	178.1	Lg	06:51:10.793	-0.8					T__				---		15118674	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
 2018/03/29 08:16:20.82 1.27 0.39 48.5982 20.7188 7.9 5.9 160 0.0S 10 6 113 0.19 1.26 m kx BUD 15118688 iLoc 186
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.4 5 BUD 15118688

Sta	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	233.5	Pg	08:16:25.304	0.4					T__				---		15118690	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	233.5	Lg	08:16:28.119	0.1					T__				---		15118691	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	233.5	Lg	08:16:28.500	0.5					T__		0.8		---		15118692	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.46	130.9	Pg	08:16:30.045	-0.1					T__				---		15118693	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	58.0	Pg	08:16:32.255	0.4					T__				---		15118694	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.88	219.3	Pn	08:16:39.561	-0.1					T__				---		15118695	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	219.3	Lg	08:16:53.106	0.3					T__				---		15118696	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.99	304.3	Lg	08:16:55.043	0.2					T__				---		15118697	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	1.26	265.9	Pg	08:16:45.707	-0.1					T__				---		15118698	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	265.9	Sn	08:17:03.156	-0.6					T__				---		15118699	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
2018/03/29	09:00:41.27	1.09	1.05	48.2618	21.2202	8.5	4.3	167	0.0S	12	8	117	0.04	6.08	m	sx	BUD	15118700	iLoc			151
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	3 BUD	15118700

Sta	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	20.8	Pg	09:00:42.102	-0.5					T__	292.4	1141.2		MLv	2.5	15118702	FDSN	HU	--	BUD	iLoc	HHN	HHZ	_
ABAH	0.04	20.8	Lg	09:00:43.616	-0.2					T__						15118703	FDSN	HU	--	BUD	iLoc	HHE	???	_
(Station ML : 2.5 1																								
KECS	0.54	294.6	Pg	09:00:51.891	-0.2					T__	3.2	13.6		MLv	1.9	15118704	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.54	294.6	Lg	09:01:01.012	0.7					T__						15118705	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 1.9 1																								
HOLU	0.82	70.7	Pg	09:00:57.818	0.7					T__						15118706	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.82	70.7	Lg	09:01:10.816	-0.1					T__						15118707	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.89	98.0	Lg	09:01:12.025	-1.8					T__						15118708	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	0.95	249.4	Pg	09:01:01.637	0.3					T__	2.4	7.2		MLv	1.9	15118709	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.95	249.4	Lg	09:01:14.180	-1.9					T__						15118710	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																								
MUKU	1.00	78.4	Pn	09:01:02.863	0.7					T__						15118711	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STHS	1.16	0.8	Sn	09:01:21.917	-0.7					T__						15118712	FDSN	SK	--	BUD	iLoc	EHE	???	_
HVAR	6.08	215.0	Lg	09:04:03.930	0.7					T__						15118713	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	
2018/03/30	10:36:22.67	1.52	1.18	47.0074	22.3883	8.0	6.1	120	8.1F	10.1	19	7	150	0.31	1.64	m	ke	BUD	15118727	iLoc			268

Magnitude	Err	Nsta	Author	OrigID
M	1.5		5 BUD	15118727

Sta	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	134.2	Pg	10:36:30.132	0.9					T__				_c_		15118729	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.31	134.2	Lg	10:36:34.909	0.2					T__						15118730	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.31	134.2	Lg	10:36:35.048	0.3					T__						15118731	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.60	123.2	Pg	10:36:33.052	-1.8					T__						15118732	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.60	123.2	Lg	10:36:43.083	-1.6					T__						15118733	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.89	214.2	Pg	10:36:40.691	-0.1					T__						15118734	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.89	214.2	Lg	10:36:52.584	-2.0					T__						15118735	FDSN	RO	--	BUD	iLoc	BHE	???	_
TRPA	1.13	5.1	Pn	10:36:45.192	1.0					T__						15118736	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.13	5.1	Sn	10:37:00.599	-0.5					T__						15118737	FDSN	HU	--	BUD	iLoc	BHE	???	_
SURR	1.27	188.4	Pg	10:36:47.436	0.1					T__						15118738	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.27	188.4	Sn	10:37:04.395	0.9					T__						15118739	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.48	200.7	Pg	10:36:50.766	-0.8					T__						15118740	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.48	200.7	Sn	10:37:10.016	1.0					T__						15118741	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.49	201.3	Pg	10:36:51.269	-0.4					T__						15118742	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.49	201.3	Sn	10:37:10.660	1.5					T__						15118743	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.64	170.4	Pg	10:36:53.507	-0.6					T__						15118744	FDSN	IR	--	ISC	iLoc	???	???	_

GZR	1.64	170.4	Pg	10:36:54.609	0.5	T__	---	15118745	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.64	170.4	Sn	10:37:13.575	0.3	T__	---	15118746	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.64	170.4	Lg	10:37:15.937	-1.9	T__	---	15118747	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
2018/04/01	21:01:12.66	1.20	0.87	45.9822	16.9428	9.3	5.8	174	11.1F	1.4	13	8	126	0.30	1.46	m	ke	BUD	15118748	iLoc		183

Magnitude	Err	Nsta	Author	OrigID
M	1.9	6	BUD	15118748

Sta	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	0.30	53.5	Pg	21:01:19.333	0.1					T__					---	15118750	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.30	53.5	Lg	21:01:23.435	-0.7					T__					---	15118751	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOGS	0.67	314.4	Pg	21:01:26.893	0.9					T__					---	15118752	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.67	314.4	Lg	21:01:36.375	0.6					T__					---	15118753	FDSN	SL	--	BUD	iLoc	BHE	???	_
ZAG	0.69	257.2	Lg	21:01:35.137	-1.2					T__					---	15118754	FDSN	CR	--	BUD	iLoc	BHE	???	_
A263A	0.71	21.2	Pn	21:01:27.692	-0.1					T__					---	15118755	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.71	21.2	Lg	21:01:37.315	0.1					T__					---	15118756	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A265A	0.74	52.9	Pn	21:01:28.454	0.3					T__					---	15118757	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.74	52.9	Lg	21:01:39.289	1.1					T__					---	15118758	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A252A	0.84	130.4	Sn	21:01:42.946	-0.1					T__					---	15118759	FDSN	Z3	--	BUD	iLoc	BHN	???	_
MORH	1.21	78.2	Pn	21:01:35.103	0.5					T__					---	15118760	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.21	78.2	Lg	21:01:52.999	-0.2					T__					---	15118761	FDSN	HU	--	BUD	iLoc	BHN	???	_
EGYH	1.46	10.4	Pg	21:01:39.819	-1.5					T__					---	15118762	FDSN	HU	--	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
2018/04/03	07:08:30.07	1.13	0.90	47.3115	18.3162	6.4	4.5	91	0.0S		12	8	108	0.06	1.23	m	sx	BUD	15118763	iLoc		151

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5	5	BUD	15118763

Sta	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	323.9	Pg	07:08:32.053	0.0					T__					---	15118765	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.06	323.9	Lg	07:08:33.593	-0.1					T__					---	15118766	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.29	294.3	Pg	07:08:37.627	1.2					T__					---	15118767	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MPLH	0.55	255.3	Lg	07:08:48.569	-1.3					T__					---	15118768	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A266A	0.79	182.6	Lg	07:08:56.735	-1.3					T__					---	15118769	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.12	168.3	Pg	07:08:53.405	1.0					T__					---	15118770	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.12	168.3	Lg	07:09:07.978	-1.2					T__					---	15118771	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.23	59.8	Pn	07:08:53.874	0.1					T__					---	15118772	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.23	59.8	Lg	07:09:13.565	-0.0					T__					---	15118773	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOVH	1.23	187.0	Lg	07:09:12.890	-0.1					T__					---	15118774	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.23	16.3	Pg	07:08:54.457	-0.4					T__					---	15118775	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.23	16.3	Lg	07:09:12.729	0.0					T__					---	15118776	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
2018/04/03	07:16:47.24	0.31	0.32	48.0825	16.2389	3.3	1.5	141	0.0F	0.0	8	37	0.30	0.38	a	sx VIE	15104363	ISC				360
2018/04/03	07:16:28.85	1.13	0.87	47.3330	18.3629	6.0	4.9	102	0.0A		13	8 129	0.08	1.45	m	ke BUD	15118777	iLoc				244

Magnitude	Err	Nsta	Author	OrigID
m1	0.8		VIE	15104363
M	1.7	4	BUD	15118777

Sta	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	293.6	Pg	07:16:31.492	0.5					T__						15118779	FDSN	HU	--	BUD	iLoc	HH	???	_
CSKK	0.08	293.6	Lg	07:16:33.135	0.2					T__						15118780	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.08	293.4	Lg	07:16:33.400	0.5					T__		20.3				15118781	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	0.31	2.5	Lg	07:16:40.569	0.1					T__						15118782	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A270A	0.68	40.7	Lg	07:16:52.612	-0.9					T__						15118783	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	1.00	25.2	Pg	07:16:51.004	2.0					T__						15118784	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.00	25.2	Lg	07:17:03.171	-0.6					T__						15118785	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.13	170.1	Pg	07:16:52.211	0.8					T__						15118786	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.13	170.1	Lg	07:17:08.345	-0.1					T__						15118787	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.20	15.1	Pg	07:16:53.456	0.4					T__						15118788	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.20	15.1	Sn	07:17:09.161	-0.8					T__						15118789	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	1.27	325.3	Lg	07:17:12.533	0.0					T__						15118790	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	1.45	285.4	Pn	07:16:54.759	-0.8					T__		0.4	0.08			15118791	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.45	285.4	Sn	07:17:00.584	-15.6					---		1.0	0.12			15118792	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.79	290.3	Pn	07:16:53.004	-7.4					---		0.4	0.12			15118793	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.79	290.3	Sn	07:16:57.654	-27.1					---		1.7	0.18			15118794	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
2018/04/03	09:14:13.03	1.15	1.17	48.0689	20.7015	9.1	4.8	168	0.0S		12	8 122	0.43	1.96	m	kx BUD	15118795	iLoc				197
2018/04/03	09:14:13.07f		1.02	48.0750	20.6990f				0.0S		12	121	0.42	1.96	m	kx BUD_GT	15136917	BUD				195

(description : known quarry blast)
(locality : Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15136917

Sta	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	0.42	58.4	Pg	09:14:22.610	0.8					T__						15137563	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.42	58.4	Lg	09:14:28.369	-0.8					T__						15137564	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.43	340.8	Lg	09:14:28.403	-0.2					T__						15137565	FDSN	SK	--	BUD	BUD	EHN	???	_
PSZ	0.56	254.1	Pg	09:14:25.842	0.6					T__						15137566	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.56	254.1	Lg	09:14:33.407	-0.9					T__						15137567	FDSN	GE	--	BUD	BUD	BHE	???	_
A336A	1.15	278.6	Pn	09:14:35.578	0.1					T__						15137568	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	1.15	278.6	Sn	09:14:51.923	-1.1					T__						15137569	FDSN	Z3	00	BUD	BUD	HH2	???	_
VYHS	1.31	289.3	Pg	09:14:38.708	-0.6					T__						15137570	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.31	289.3	Sn	09:14:56.949	-0.4					T__						15137571	FDSN	SK	--	BUD	BUD	HHN	???	_
A269A	1.62	255.2	Sn	09:15:05.107	0.5					T__						15137572	FDSN	Z3	00	BUD	BUD	HHE	???	_
DRGR	1.87	132.5	Sn	09:15:10.462	-1.1					T__						15137573	FDSN	RO	--	BUD	BUD	BHN	???	_

A337A 1.96 276.1 Sn 09:15:15.506 2.6 T__ --- 15137574 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
2018/04/03	09:59:31.69	0.38	0.47	48.4958	17.5243	3.6	1.6	117	0.0F	0.0	9	35	1.14	1.24	a	sx VIE	15104381	ISC				360
2018/04/03	09:59:30.89	0.96	0.83	48.4974	17.4928	6.0	3.4	143	0.0S		20	11	130	0.16	1.23	m	kx BUD	15118809	iLoc			135

(description : known quarry blast)
(locality : Bukova Slovakia)

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15104381
ml	1.7		VIE	15104381
M	1.7	4	BUD	15118809

Sta	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	0.16	48.4	Pg	09:59:35.637	1.1					T__						15118811	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.19	229.2	Pg	09:59:35.250	-0.0					T__						15118812	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.19	229.2	Lg	09:59:38.632	-0.0					T__						15118813	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A333A	0.34	310.4	Lg	09:59:45.200	2.2					T__						15118814	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	0.38	18.0	Pg	09:59:38.602	-0.3					T__						15118815	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.38	18.0	Lg	09:59:45.337	0.4					T__						15118816	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.38	18.0	Pg	09:59:38.500	-0.4					T__						15118817	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.38	18.0	Lg	09:59:44.600	-0.3					T__						15118818	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.56	94.8	Lg	09:59:50.695	0.0					T__						15118819	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A332A	0.71	64.1	Lg	09:59:53.746	-1.8					T__						15118820	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.89	89.7	Pn	09:59:50.300	0.5					T__						15118821	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	0.89	89.7	Sn	10:00:04.800	0.4					T__						15118822	FDSN	IR	--	ISC	iLoc	???	???	_
A004A	0.91	234.3	Lg	10:00:01.466	-0.5					T__						15118823	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KRUC	0.92	308.3	Pn	09:59:49.625	-0.5					T__						15118824	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.92	308.3	Sn	10:00:03.895	-1.0					T__						15118825	FDSN	CZ	--	BUD	iLoc	BHN	???	_
RONA	1.13	225.6	Pn	09:59:53.434	0.2					T__		1.9	0.26	---		15118826	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.13	225.6	Sn	10:00:10.231	-0.2					T__		1.1	0.14	---		15118827	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.23	243.0	Pg	09:59:55.137	-0.1					T__						15118828	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.23	243.0	Sn	10:00:13.167	0.2					T__						15118829	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.23	243.0	Pn	09:59:54.970	0.3					T__		1.9	0.24	---		15118830	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	
2018/04/03	11:27:03.21	0.22	0.29	46.8499	22.8699	2.0	1.2	158	2.0A		15	180		0.12	1.77	a	ke BUC	15104402	ISC				360
2018/04/03	11:27:01.52	1.25	0.75	46.9083	22.8580	8.2	4.1	154	0.0A		27	8	192	0.15	1.76	m	ke BUD	15118862	iLoc				269

Magnitude	Err	Nsta	Author	OrigID
ml	1.5		BUC	15104402
M	1.8	4	BUD	15118862

Sta	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	220.9	Pg	11:27:05.190	0.1					T__						15118864	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.15	220.9	Lg	11:27:07.684	-0.4					T__						15118865	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.15	220.9	Pg	11:27:05.314	0.3					T__						15118866	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.15	220.9	Pg	11:27:05.314	0.3					T__		0.1		---		15118867	FDSN	IR	--	ISC	iLoc	???	???	_

MARR	0.29	142.3	Pg	11:27:07.727	0.0	T__	---	15118868	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	142.3	Pg	11:27:07.727	0.0	T__	---	15118869	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	142.3	Lg	11:27:11.460	-1.3	T__	---	15118870	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	232.5	Lg	11:27:36.386	-2.3	T__	---	15118871	FDSN	RO	--	BUD	iLoc	BHE	???	_
SURR	1.26	204.0	Pg	11:27:26.620	0.6	T__	---	15118872	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	204.0	Pg	11:27:26.620	0.6	T__	---	15118873	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	204.0	Lg	11:27:43.712	-0.4	T__	---	15118874	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	182.2	Pn	11:27:30.076	0.7	T__	---	15118875	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.52	182.2	Pg	11:27:30.936	0.4	T__	---	15118877	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	182.2	Pg	11:27:30.936	0.4	T__	---	15118876	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	182.2	Sn	11:27:50.737	-0.5	T__	---	15118878	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.54	213.7	Pn	11:27:30.076	0.6	T__	---	15118879	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.54	213.7	Sn	11:27:50.737	-0.7	T__	---	15118880	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.55	214.1	Pg	11:27:31.256	-0.4	T__	---	15118881	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.55	214.1	Pg	11:27:31.256	-0.4	T__	---	15118882	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.55	214.1	Sn	11:27:52.473	0.7	T__	---	15118883	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.59	156.2	Pg	11:27:31.819	-0.1	T__	---	15118884	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.59	156.2	Pg	11:27:31.819	-0.1	T__	---	15118885	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.59	156.3	Pn	11:27:31.704	1.0	T__	---	15118886	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	1.59	156.3	Sn	11:27:53.485	-0.1	T__	---	15118887	FDSN	RO	--	BUD	iLoc	BHE	???	_
BURAR	1.76	65.4	Pg	11:27:35.286	-0.3	T__	---	15118888	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	65.4	Pg	11:27:35.286	-0.3	T__	---	15118889	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	65.4	Sn	11:27:59.083	1.0	T__	---	15118890	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
2018/04/03	13:06:08.09	0.25	0.51	46.0194	21.8517	2.4	1.5	93	3.0A	13	131	0.28	1.24	a	ke	BUC	15104442	ISC				360
2018/04/03	13:06:07.25	1.08	0.64	46.0255	21.8486	5.4	3.2	89	10.5F	12.3	29	8	131	0.27	1.47	m	ke	BUD	15118831	iLoc		197

Magnitude	Err	Nsta	Author	OrigID
m1	1.1		BUC	15104442
M	1.4	4	BUD	15118831

Sta	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	0.27	331.8	Pg	13:06:13.791	0.5					T__						15118833	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.27	331.8	Lg	13:06:19.185	1.2					T__						15118834	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.28	331.6	Pg	13:06:13.078	-0.3					T__						15118835	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.28	331.6	Pg	13:06:13.078	-0.3					T__						15118836	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.28	331.6	Lg	13:06:17.429	-0.6					T__						15118837	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.33	144.5	Pg	13:06:14.100	0.1					T__						15118838	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.33	144.5	Pg	13:06:14.100	0.1					T__						15118839	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.33	144.5	Lg	13:06:18.614	-0.5					T__						15118840	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.43	199.8	Pg	13:06:16.592	0.6					T__						15118841	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.43	199.8	Lg	13:06:22.452	-0.0					T__						15118842	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.44	201.7	Pg	13:06:16.469	0.3					T__						15118843	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.44	201.7	Pg	13:06:16.469	0.3					T__						15118844	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.44	201.7	Lg	13:06:22.303	-0.4					T__						15118845	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.91	133.9	Pn	13:06:24.531	-0.3					T__						15118846	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.91	133.9	Pg	13:06:24.777	0.0					T__						15118847	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.91	133.9	Pg	13:06:24.777	0.0					T__						15118848	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.91	133.9	Sn	13:06:38.719	-0.1					T__						15118849	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.91	133.9	Sn	13:06:39.267	0.5					T__						15118850	FDSN	RO	--	BUD	iLoc	BHN	???	_

DRGR	0.97	37.6	Pg	13:06:27.710	1.1	T__	---	15118851	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	0.97	37.6	Pg	13:06:27.710	1.1	T__	---	15118852	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	0.97	37.6	Lg	13:06:40.707	-1.0	T__	---	15118853	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	0.97	37.6	Pg	13:06:26.920	0.3	T__	---	15118854	FDSN	RO	--	BUD	iLoc	BHZ	???	-
DRGR	0.97	37.6	Sn	13:06:40.285	-0.7	T__	---	15118855	FDSN	RO	--	BUD	iLoc	BHN	???	-
MARR	1.09	53.1	Pg	13:06:29.817	0.9	T__	---	15118856	FDSN	IR	--	ISC	iLoc	???	???	-
MARR	1.09	53.1	Pg	13:06:29.817	0.9	T__	---	15118857	FDSN	IR	--	ISC	iLoc	???	???	-
MARR	1.09	53.1	Sn	13:06:43.589	-0.7	T__	---	15118858	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	1.25	184.4	Lg	13:06:49.436	0.6	T__	---	15118859	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	1.25	184.4	Lg	13:06:49.436	0.6	T__	---	15118860	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.47	112.6	Lg	13:06:56.030	-0.1	T__	---	15118861	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
2018/04/04	06:16:23.09	0.35	0.31	46.7945	22.8828	2.8	1.3	13	2.0A		12	217		0.12	1.48	a	ke BUC	15104485	ISC			360
2018/04/04	06:16:21.42	1.36	0.66	46.8522	22.8810	8.9	3.7	0	0.0A		28	9	179	0.13	1.77	m	ke BUD	15118928	iLoc			222

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15104485
M	1.8	6	BUD	15118928

Sta	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	242.6	Pg	06:16:24.936	0.4					T__						15118930	FDSN	RO	--	BUD	iLoc	BHZ	???	-
DRGR	0.13	242.6	Lg	06:16:27.277	0.1					T__						15118931	FDSN	RO	--	BUD	iLoc	BHN	???	-
DRGR	0.13	242.6	Pg	06:16:25.141	0.6					T__						15118932	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	0.13	242.6	Pg	06:16:25.141	0.6					T__		0.1				15118933	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	0.13	242.6	Lg	06:16:27.446	0.3					T__		0.1				15118934	FDSN	IR	--	ISC	iLoc	???	???	-
MARR	0.24	137.1	Pg	06:16:26.832	0.2					T__						15118935	FDSN	IR	--	ISC	iLoc	???	???	-
MARR	0.24	137.1	Pg	06:16:26.832	0.2					T__						15118936	FDSN	IR	--	ISC	iLoc	???	???	-
MARR	0.24	137.1	Lg	06:16:30.073	-0.8					T__						15118937	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	0.51	105.5	Pg	06:16:32.264	0.5					T__						15118938	FDSN	RO	--	BUD	iLoc	BHZ	???	-
SIRR	1.03	235.5	Pg	06:16:42.069	-0.2					T__						15118939	FDSN	RO	--	BUD	iLoc	BHZ	???	-
SIRR	1.03	235.5	Lg	06:16:57.234	-0.7					T__						15118940	FDSN	RO	--	BUD	iLoc	BHE	???	-
SIRR	1.03	235.7	Pg	06:16:41.881	-0.4					T__						15118941	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	1.03	235.7	Pg	06:16:41.881	-0.4					T__						15118942	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	1.03	235.7	Lg	06:16:56.229	-1.7					T__						15118943	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	1.22	205.8	Pn	06:16:45.100	0.3					T__						15118944	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	1.22	205.8	Pn	06:16:45.100	0.3					T__						15118945	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	1.22	205.8	Lg	06:17:01.729	-0.8					T__						15118946	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.46	182.9	Pg	06:16:49.770	0.4					T__						15118947	FDSN	RO	--	BUD	iLoc	BHZ	???	-
GZR	1.46	182.9	Pg	06:16:49.931	0.6					T__						15118948	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.46	182.9	Pg	06:16:49.931	0.6					T__						15118949	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.46	182.9	Sn	06:17:09.722	0.0					T__						15118950	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.46	182.9	Sn	06:17:10.126	0.4					T__						15118951	FDSN	RO	--	BUD	iLoc	BHE	???	-
BZS	1.50	215.4	Pg	06:16:50.328	-0.3					T__						15118952	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BZS	1.50	215.4	Sn	06:17:11.244	0.8					T__						15118953	FDSN	RO	--	BUD	iLoc	BHN	???	-
LOT	1.53	155.9	Sn	06:17:11.678	-0.2					T__						15118954	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.54	156.0	Pg	06:16:51.702	0.9					T__						15118955	FDSN	RO	--	BUD	iLoc	BHZ	???	-
LOT	1.54	156.0	Lg	06:17:13.127	-1.2					T__						15118956	FDSN	RO	--	BUD	iLoc	BHE	???	-
BURAR	1.77	62.5	Pn	06:16:53.381	-0.2					T__						15118957	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
2018/04/04	07:59:02.84	0.23	0.35	46.9383	22.3207	2.0	1.2	9	2.0A	14	171	0.30	1.58	a	ke	BUC	15104524	ISC				360
2018/04/04	07:59:01.62	1.07	0.76	46.9552	22.3135	5.8	3.6	16	0.0S	25	8	132	0.32	1.60	m	sx	BUD	15118891	iLoc			174

(description : suspected quarry blast)
(locality : Podgorje Croatia)

Magnitude	Err	Nsta	Author	OrigID
ml	1.5		BUC	15104524
M	1.8	5	BUD	15118891

Sta	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	120.8	Pg	07:59:08.969	0.6					T__						15118893	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.32	120.8	Lg	07:59:13.549	-0.3					T__						15118894	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.32	120.8	Lg	07:59:13.266	-0.6					T__						15118895	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.39	290.7	Pg	07:59:10.057	0.1					T__						15118896	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.39	290.7	Pg	07:59:10.057	0.1					T__						15118897	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.39	290.7	Lg	07:59:15.872	-0.9					T__						15118898	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.62	116.5	Pg	07:59:14.470	0.3					T__						15118899	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.62	116.5	Pg	07:59:14.470	0.3					T__						15118900	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.62	116.5	Lg	07:59:22.513	-1.7					T__						15118901	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	213.5	Pg	07:59:18.953	0.5					T__						15118902	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	213.5	Pg	07:59:18.953	0.5					T__						15118903	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	213.2	Pn	07:59:19.281	-0.3					T__						15118904	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.82	213.2	Lg	07:59:29.783	-1.4					T__						15118905	FDSN	RO	--	BUD	iLoc	BHE	???	_
CJR	0.91	104.9	Pn	07:59:21.046	-0.3					T__						15118906	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.91	104.9	Pn	07:59:21.046	-0.3					T__						15118907	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.91	104.9	Pn	07:59:21.692	0.4					T__						15118908	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.91	104.9	Lg	07:59:32.590	-1.4					T__						15118909	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	186.3	Pg	07:59:25.535	0.5					T__						15118910	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	186.3	Pg	07:59:25.535	0.5					T__						15118911	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	186.3	Lg	07:59:42.081	-0.3					T__						15118912	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.53	332.0	Pn	07:59:30.375	0.8					T__						15118913	FDSN	HU	--	BUD	iLoc	HHZ	???	_
GZR	1.60	168.2	Pg	07:59:32.136	0.1					T__						15118914	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	168.2	Pg	07:59:32.136	0.1					T__						15118915	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	168.2	Pg	07:59:33.346	1.3					T__						15118916	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.60	168.2	Sn	07:59:54.007	0.8					T__						15118917	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
2018/04/04	08:57:34.01	1.20	0.80	47.2356	18.3030	6.8	5.4	84	0.0S	8	5	104	0.13	1.05	m	kx	BUD	15118918	iLoc			200
2018/04/04	08:57:34.01f		0.70	47.2302	18.2835f				0.0S	8		103	0.13	1.04	m	kx	BUD_GT	15135185	BUD			200

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

Magnitude	Err	Nsta	Author	OrigID
M	1.9	4	BUD	15135185

Sta	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	08:57:37.804	0.5					T__						15137575	FDSN	HU	--	BUD	BUD	HHZ	???	_

CSKK	0.13	353.4	Lg	08:57:39.604	-0.4	T__	---	15137576	FDSN	HU	--	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	08:57:45.525	0.9	T__	---	15137577	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	08:57:51.860	-0.8	T__	---	15137578	FDSN	HU	--	BUD	BUD	BHE	???	_
BUD	0.56	63.0	Lg	08:57:53.834	-1.4	T__	---	15137579	FDSN	HU	--	BUD	BUD	BHE	???	_
A338A	0.79	3.4	Pn	08:57:51.149	-0.1	T__	---	15137580	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MORH	1.04	166.1	Pg	08:57:55.323	0.4	T__	---	15137581	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.04	166.1	Lg	08:58:10.418	-0.2	T__	---	15137582	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
 2018/04/04 10:14:26.18 1.53 0.82 48.5578 20.7733 13.8 5.8 5 0.0S 7 4 184 0.21 1.05 m kx BUD 15118958 iLoc 277
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15118958

Sta	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	248.8	Pg	10:14:31.183	0.7					T__	---					15118960	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	248.8	Lg	10:14:33.797	-0.0					T__	---					15118961	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.41	130.0	Pg	10:14:35.476	1.0					T__	---					15118962	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	130.0	Lg	10:14:40.507	-1.0					T__	---					15118963	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.87	222.9	Pg	10:14:44.350	-0.1					T__	---					15118964	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.9	Lg	10:14:58.199	0.2					T__	---					15118965	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.05	305.0	Pn	10:14:46.982	-0.4					T__	---					15118966	FDSN	SK	--	BUD	iLoc	EHZ	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2018/04/04 12:59:23.40 0.33 0.97 48.4226 17.2174 3.3 2.0 100 0.0F 0.0 21 15 0.95 1.03 a sx VIE 15104561 ISC 360
 2018/04/04 12:59:22.69 0.99 0.78 48.3588 17.2419 5.5 4.5 179 0.0S 25 11 141 0.03 1.43 m kx BUD 15118967 iLoc 165
 (locality : Rohoznik Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 mb 1.6 VIE 15104561
 ml 1.8 VIE 15104561
 M 1.9 6 BUD 15118967

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.03	58.7	Pg	12:59:24.551	0.7					T__	---			_c_		15118969	FDSN	SK	--	BUD	iLoc	HH	???	_
MODS	0.03	58.7	Lg	12:59:26.012	1.0					T__	---			---		15118970	FDSN	SK	--	BUD	iLoc	HHE	???	_
MODS	0.03	57.9	Lg	12:59:26.400	1.4					T__	---			---		15118971	FDSN	IR	--	ISC	iLoc	???	???	_
A333A	0.37	345.7	Lg	12:59:34.889	-1.0					T__	---			---		15118972	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A334A	0.38	49.4	Pg	12:59:31.226	0.7					T__	---			---		15118973	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.57	310.8	Lg	12:59:41.877	-0.5					T__	---			---		15118974	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.58	29.5	Pg	12:59:34.026	-0.5					T__	---			---		15118975	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.58	29.5	Lg	12:59:43.978	0.7					T__	---			---		15118976	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.58	29.5	Pg	12:59:33.700	-0.8					T__	---			---		15118977	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.73	82.7	Pg	12:59:36.137	-1.3					T__	---			---		15118978	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.73	82.7	Lg	12:59:47.874	-0.4					T__	---			---		15118979	FDSN	Z3	00	BUD	iLoc	HNN	???	_

KRUC	0.90	321.8	Pg	12:59:39.300	-0.5	T__									15118980	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.90	321.8	Pg	12:59:39.493	-0.3	T__									15118981	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.90	321.8	Lg	12:59:53.506	0.9	T__									15118982	FDSN	CZ	--	BUD	iLoc	BHE	???	_
RONA	0.92	224.3	Pn	12:59:42.433	0.4	T__				5.3	0.20				15118983	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.92	224.3	Sn	12:59:56.525	-0.6	T__				13.8	0.34				15118984	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.02	245.5	Pn	12:59:43.812	0.2	T__									15118985	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.02	245.5	Sn	12:59:59.124	-0.6	T__									15118986	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.02	245.5	Pn	12:59:43.634	0.1	T__				1.6	0.26				15118987	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.02	245.5	Lg	12:59:58.453	0.4	T__				2.9	0.26				15118988	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.04	336.0	Pg	12:59:42.400	0.1	T__									15118989	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.04	336.0	Sn	12:59:58.500	-1.3	T__									15118990	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.04	336.0	Pg	12:59:42.573	0.3	T__									15118991	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.04	336.0	Lg	12:59:57.538	0.7	T__									15118992	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.43	7.8	Sn	13:00:10.423	0.7	T__									15118993	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
2018/04/05	02:51:38.80	0.11	0.15	47.7645	18.0803	0.8	0.4	180	21.4F	0.6	17	202	0.29	0.29	1.23	a	ke IPEC	15104590	ISC			360
2018/04/05	02:51:37.97	0.39	0.25	47.7629	18.0151	4.0	1.6	150	10.0F	0.0	24		15	1.16	1.76	a	ke VIE	15104587	ISC			360
2018/04/05	02:51:38.21	0.92	0.83	47.7537	18.0940	3.5	2.9	115	16.4F	7.3	47	25	43	0.16	1.81	m	ke BUD	15118994	iLoc			82

Magnitude	Err	Nsta	Author	OrigID
ML	1.1		IPEC	15104590
m1	1.8		VIE	15104587
M	1.9	13	BUD	15118994

Sta	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	0.16	68.0	Pg	02:51:42.143	-0.5					T__						15118996	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SR0	0.16	68.0	Lg	02:51:45.435	-0.4					T__						15118997	FDSN	SK	--	BUD	iLoc	EHN	???	_
A269A	0.23	120.5	Pg	02:51:42.673	-1.0					T__						15118998	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.23	120.5	Lg	02:51:47.226	-0.5					T__						15118999	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A339A	0.30	284.5	Pg	02:51:44.974	-0.1					T__						15119000	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.30	284.5	Lg	02:51:50.806	0.9					T__						15119001	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.31	33.5	Pg	02:51:45.485	0.3					T__						15119002	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.31	33.5	Lg	02:51:51.338	1.2					T__						15119003	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A268A	0.34	199.7	Pg	02:51:45.021	-0.7					T__						15119004	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.34	199.7	Lg	02:51:51.005	-0.1					T__						15119005	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.41	163.8	Pg	02:51:46.469	-0.4					T__						15119006	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.41	163.8	Lg	02:51:52.600	-0.6					T__						15119007	FDSN	HU	--	BUD	iLoc	HHE	???	_
A337A	0.53	337.5	Pg	02:51:49.473	0.3					T__						15119008	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
EGYH	0.62	237.1	Pg	02:51:50.350	-0.5					T__						15119009	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.62	237.1	Lg	02:51:59.531	-0.1					T__						15119010	FDSN	HU	--	BUD	iLoc	HHE	???	_
A270A	0.63	81.3	Lg	02:52:01.057	0.6					T__						15119011	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.69	213.0	Pg	02:51:50.800	-1.5					T__		0.1				15119012	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.69	213.0	Pg	02:51:51.733	-0.5					T__						15119013	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.69	213.0	Sn	02:52:03.276	-0.2					T__						15119014	FDSN	HU	--	BUD	iLoc	BHN	???	_
A003A	0.70	270.8	Sn	02:52:03.580	0.0					T__						15119015	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.71	13.1	Lg	02:52:01.529	-1.1					T__						15119016	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.77	51.4	Pg	02:51:53.182	-0.7					T__						15119017	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.77	51.4	Lg	02:52:04.140	-0.6					T__						15119018	FDSN	Z3	00	BUD	iLoc	HH3	???	_
ZST	0.80	304.0	Pg	02:51:53.242	-1.0					T__						15119019	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.80	304.0	Lg	02:52:04.734	-0.5					T__						15119020	FDSN	SK	--	BUD	iLoc	HHN	???	_

MODS	0.83	318.8	Pn	02:51:54.948	0.6	T__									15119021	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.83	318.8	Lg	02:52:05.398	-0.9	T__									15119022	FDSN	SK	--	BUD	iLoc	HHE	???	_
TIH	0.87	189.4	Lg	02:52:07.866	0.1	T__									15119023	FDSN	HU	--	BUD	iLoc	HHE	???	_
VYHS	0.89	33.6	Pn	02:51:55.364	0.3	T__									15119024	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.89	33.6	Lg	02:52:07.716	-0.9	T__									15119025	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A334A	0.90	341.9	Pg	02:51:55.519	-0.5	T__									15119026	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
SOP	1.04	266.7	Pg	02:51:57.964	-0.9	T__									15119027	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	1.04	266.7	Lg	02:52:11.042	-1.7	T__									15119028	FDSN	HU	--	BUD	iLoc	BHN	???	_
A332A	1.08	13.1	Sn	02:52:12.586	-0.0	T__									15119029	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	1.14	345.8	Pg	02:52:00.168	-0.6	T__									15119030	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.14	345.8	Pn	02:51:59.200	0.4	T__									15119031	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.14	345.8	Pn	02:51:59.300	0.4	T__									15119032	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.14	345.8	Sn	02:52:13.100	-1.4	T__					2.5	0.38			15119033	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.21	268.1	Pn	02:52:00.495	0.8	T__					0.3	0.08			15119034	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.21	268.1	Sn	02:52:16.236	0.0	T__					9.9	0.46			15119035	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.51	277.4	Pn	02:52:05.334	1.4	T__									15119036	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.51	277.4	Sn	02:52:25.078	1.5	T__									15119037	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.51	277.4	Pn	02:52:04.652	0.8	T__					0.1	0.08			15119038	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.51	277.4	Sn	02:52:24.830	1.2	T__					2.2	0.30			15119039	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.58	166.0	Pn	02:52:06.004	1.4	T__									15119040	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.58	166.0	Sn	02:52:25.530	0.4	T__									15119041	FDSN	HU	--	BUD	iLoc	BHE	???	_
ARSA	1.81	254.8	Pn	02:52:08.314	0.4	T__					0.3	0.22			15119042	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
 2018/04/05 08:21:55.00 1.23 2.61 47.3645 18.4239 7.9 5.7 99 0.0S 9 6 112 0.11 2.10 m kx BUD 15119043 iLoc 159
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 3 BUD 15119043

Sta	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	269.4	Pg	08:21:57.404	-0.5					T__						15119045	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.11	269.4	Lg	08:21:59.136	-1.1					T__						15119046	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.14	60.3	Sn	08:22:35.627	0.6					T__						15119047	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.16	172.4	Pg	08:22:17.935	-0.2					T__						15119048	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.16	172.4	Sn	08:22:34.312	-0.7					T__						15119049	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.16	13.6	Pg	08:22:18.282	-0.1					T__						15119050	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.16	13.6	Sn	08:22:35.212	0.1					T__						15119051	FDSN	SK	--	BUD	iLoc	HHN	???	_
A252A	1.97	191.9	Lg	08:22:58.260	-3.2					T__						15119052	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	2.10	214.0	Lg	08:23:10.910	5.3					T__						15119053	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
 2018/04/05 08:29:30.35 1.16 0.82 47.3510 18.3613 8.8 5.8 116 0.0S 9 7 109 0.07 1.28 m kx BUD 15119054 iLoc 154
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 2.1 4 BUD 15119054

Sta	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	280.2	Pg	08:29:32.783	0.4					T__						15119056	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.07	280.2	Lg	08:29:34.046	-0.1					T__						15119057	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.29	2.8	Pg	08:29:35.919	-0.7					T__						15119058	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.29	2.8	Lg	08:29:41.287	-0.1					T__						15119059	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A337A	0.97	336.9	Pn	08:29:50.213	-0.0					T__						15119060	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.15	170.2	Sn	08:30:09.430	-0.8					T__						15119061	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.18	60.7	Sn	08:30:10.711	-0.7					T__						15119062	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.19	15.4	Pg	08:29:55.685	1.5					T__						15119063	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOVH	1.28	188.2	Lg	08:30:14.900	0.3					T__						15119064	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
2018/04/05 08:46:36.82 1.15 0.86 48.5848 20.7502 8.4 4.9 167 0.0S 9 5 149 0.44 1.28 m kx BUD 15119065 iLoc 224
(locality : Dvorniky-Vcelare Slovakia)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.3 4 BUD 15119065

Sta	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	0.44	131.4	Pg	08:46:46.484	0.8					T__						15119067	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	131.4	Lg	08:46:52.057	-1.1					T__						15119068	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.57	55.7	Pg	08:46:48.613	0.9					T__						15119069	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	55.7	Lg	08:46:56.050	-1.1					T__						15119070	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.88	220.9	Pn	08:46:55.862	0.1					T__						15119071	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	220.9	Lg	08:47:08.592	-0.4					T__						15119072	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.22	253.9	Lg	08:47:19.411	0.4					T__						15119073	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.28	266.6	Pg	08:47:02.320	0.1					T__						15119074	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.6	Sn	08:47:19.655	-0.6					T__						15119075	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
2018/04/05 16:36:21.56 1.11 0.98 47.6320 17.9398 3.6 3.0 99 3.7F 8.5 32 19 40 0.20 1.65 m ke BUD 15119109 iLoc 73

Magnitude Err Nsta Author OrigID
M 1.8 9 BUD 15119109

Sta	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	0.20	183.1	Pg	16:36:25.396	-0.5					T__						15119111	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.20	183.1	Lg	16:36:28.803	-0.4					T__						15119112	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A339A	0.28	316.0	Pg	16:36:28.036	0.7					T__						15119113	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.28	316.0	Lg	16:36:32.028	0.5					T__						15119114	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SRO	0.31	54.1	Pg	16:36:28.469	0.5					T__						15119115	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SRO	0.31	54.1	Lg	16:36:33.434	0.7					T__						15119116	FDSN	SK	--	BUD	iLoc	EHN	???	_
CSKK	0.35	140.9	Pg	16:36:29.013	0.3					T__						15119117	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.35	140.9	Lg	16:36:34.049	-0.0					T__						15119118	FDSN	HU	--	BUD	iLoc	HHE	???	_

EGYH	0.47	242.6	Pg	16:36:31.135	0.1	T__	---	15119119	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.47	242.6	Lg	16:36:38.028	0.0	T__	---	15119120	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A338A	0.47	35.8	Lg	16:36:36.904	-1.2	T__	---	15119121	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MPLH	0.54	210.6	Lg	16:36:37.983	-2.4	T__	---	15119122	FDSN	HU	--	BUD	iLoc	BHE	???	_
BUD	0.75	101.0	Lg	16:36:46.847	-1.3	T__	---	15119123	FDSN	HU	--	BUD	iLoc	BHN	???	_
A270A	0.76	73.3	Lg	16:36:48.213	-0.2	T__	---	15119124	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.86	17.9	Lg	16:36:49.516	-1.5	T__	---	15119125	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MODS	0.86	329.3	Pg	16:36:38.821	0.0	T__	---	15119126	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.86	329.3	Lg	16:36:51.566	0.3	T__	---	15119127	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	0.93	49.4	Pn	16:36:39.923	-0.3	T__	---	15119128	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.93	49.4	Lg	16:36:53.608	-0.1	T__	---	15119129	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.05	34.5	Pn	16:36:41.999	-0.0	T__	---	15119130	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.05	34.5	Lg	16:36:56.209	-1.2	T__	---	15119131	FDSN	SK	--	BUD	iLoc	HHZ	???	_
JAVC	1.24	351.8	Lg	16:37:04.843	1.3	T__	---	15119132	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.24	351.8	Pg	16:36:46.300	0.3	T__	---	15119133	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.24	351.8	Sn	16:37:00.700	-1.9	T__	---	15119134	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.35	77.0	Pn	16:36:47.746	1.3	T__	---	15119135	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.35	77.0	Sn	16:37:04.704	-0.8	T__	---	15119136	FDSN	GE	--	BUD	iLoc	BHE	???	_
CONA	1.43	282.7	Pg	16:36:49.060	-0.8	T__	---	15119137	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.43	282.7	Lg	16:37:08.676	-0.6	T__	---	15119138	FDSN	OE	--	BUD	iLoc	BHE	???	_
MORH	1.50	160.9	Pn	16:36:49.044	0.9	T__	---	15119139	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.55	175.9	Pg	16:36:52.104	-0.1	T__	---	15119140	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.55	175.9	Sn	16:37:11.433	1.2	T__	---	15119141	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	1.65	224.9	Sn	16:37:13.856	0.9	T__	---	15119142	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
2018/04/06	08:54:17.80	1.68	0.26	47.0204	17.7687	33.0	5.0	51	0.0S		6	4	188	0.15	1.01	m	kx	BUD	15119076	iLoc		336

Magnitude	Err	Nsta	Author	OrigID
M	1.5	2	BUD	15119076

Sta	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	145.8	Pg	08:54:21.386	0.1					T__						15119078	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.15	145.8	Lg	08:54:23.981	-0.2					T__						15119079	FDSN	HU	--	BUD	iLoc	HHE	???	_
MPLH	0.22	313.8	Pg	08:54:22.964	0.2					T__						15119080	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.22	313.8	Lg	08:54:26.271	-0.3					T__						15119081	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.96	166.1	Lg	08:54:51.818	-0.1					T__						15119082	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.01	142.8	Lg	08:54:53.091	-0.0					T__						15119083	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	
2018/04/06	09:15:51.26	1.15	1.02	48.2241	21.2464	6.9	5.4	102	0.0S		8	5	107	0.07	1.74	m	kx	BUD	15119084	iLoc			184
2018/04/06	09:15:51.27f		0.92	48.2470	21.2460f				0.0S		8		105	0.05	1.76	m	kx	BUD_GT	15136923	BUD			181

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

Magnitude	Err	Nsta	Author	OrigID	
ML	2.0	0.2	3	BUD	15119084

ML 2.0 0.2 3 BUD 15136923

Sta	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	09:15:53.682	0.8					T__		967.2			MLv	15137583	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	09:15:55.245	1.0					T__						15137584	FDSN	HU	--	BUD	BUD	HHZ	???	_
HOLU	0.81	69.3	Pn	09:16:09.326	-0.1					T__						15137585	FDSN	UA	--	BUD	BUD	MHZ	???	_
PSZ	0.96	250.6	Pg	09:16:12.762	1.2					T__		7.4			MLv	15137586	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	09:16:25.552	-0.9					T__						15137587	FDSN	GE	--	BUD	BUD	BHE	???	_
VYHS	1.63	279.6	Lg	09:16:46.443	-1.2					T__						15137588	FDSN	SK	--	BUD	BUD	HHN	???	_
DRGR	1.76	145.2	Pg	09:16:26.155	0.2					T__		3.6			MLv	15137589	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_
DRGR	1.76	145.2	Sn	09:16:46.300	-1.0					T__						15137590	FDSN	RO	--	BUD	BUD	BHN	???	_
STON	5.92	206.1	Lg	09:18:55.700	-11.2					---						15137591	FDSN	IR	--	ISC	BUD	???	???	_
LSTV	6.27	210.8	Lg	09:19:10.790	-9.3					---						15137592	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
2018/04/08	00:49:51.53	0.95	1.15	47.6914	19.0782	3.8	3.1	110	9.2F	2.7	37	21	72	0.16	2.31	m	ke BUD	15119167	iLoc			133

Magnitude	Err	Nsta	Author	OrigID
M	1.9	12	BUD	15119167

Sta	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	0.16	345.4	Pg	00:49:55.495	0.2					T__						15119169	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.16	345.4	Lg	00:49:58.233	0.0					T__						15119170	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BUD	0.21	190.1	Pg	00:49:56.353	-0.0					T__						15119171	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BUD	0.21	190.1	Lg	00:49:59.841	-0.3					T__						15119172	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A269A	0.47	263.8	Pg	00:50:00.144	-1.1					T__						15119173	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.47	263.8	Lg	00:50:07.344	-1.0					T__						15119174	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SRO	0.53	283.6	Pg	00:50:01.819	-0.5					T__						15119175	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SRO	0.53	283.6	Lg	00:50:08.879	-1.3					T__						15119176	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	0.54	354.4	Pg	00:50:02.964	0.4					T__						15119177	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.54	354.4	Lg	00:50:09.939	-0.7					T__						15119178	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A338A	0.59	303.8	Pg	00:50:03.627	0.2					T__						15119179	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.59	303.8	Lg	00:50:11.719	-0.3					T__						15119180	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	0.60	67.3	Pg	00:50:04.503	0.3					T__						15119181	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.60	67.3	Lg	00:50:12.646	-0.7					T__						15119182	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.60	67.3	Pg	00:50:00.400	-3.8					T__		0.1				15119183	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.64	239.7	Pg	00:50:03.737	-0.8					T__						15119184	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.64	239.7	Lg	00:50:13.318	-0.7					T__						15119185	FDSN	HU	--	BUD	iLoc	HHE	???	_
VYHS	0.82	348.7	Pg	00:50:07.950	-0.0					T__						15119186	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.82	348.7	Lg	00:50:18.664	-1.0					T__						15119187	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A268A	0.82	252.0	Pg	00:50:07.285	-0.7					T__						15119188	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.82	252.0	Lg	00:50:19.755	-0.0					T__						15119189	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.85	208.8	Pn	00:50:08.948	0.7					T__						15119190	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.85	208.8	Sn	00:50:21.431	-0.1					T__						15119191	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.91	326.9	Pn	00:50:09.364	0.2					T__						15119192	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.91	326.9	Lg	00:50:20.821	-1.5					T__						15119193	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	1.17	244.0	Pg	00:50:13.818	-0.8					T__						15119194	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.17	244.0	Sn	00:50:30.051	0.6					T__						15119195	FDSN	HU	--	BUD	iLoc	BHE	???	_
A332A	1.19	340.0	Sn	00:50:29.095	-0.7					T__						15119196	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	1.21	257.5	Lg	00:50:31.420	-0.8					T__						15119197	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	1.39	300.1	Sn	00:50:34.855	-0.0					T__						15119198	FDSN	SK	--	BUD	iLoc	HHN	???	_

ZST	1.42	291.5	Sn	00:50:35.649	0.1	T__	---	15119199	FDSN	SK	--	BUD	iLoc	HHE	???	_
MORH	1.51	191.5	Pn	00:50:18.777	1.3	T__	---	15119200	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.51	191.5	Sn	00:50:37.064	-0.5	T__	---	15119201	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.74	203.1	Sn	00:50:42.622	-1.0	T__	---	15119202	FDSN	HU	--	BUD	iLoc	BHE	???	_
SIRR	2.27	127.9	Pn	00:50:29.844	1.3	T__	---	15119203	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	2.27	127.9	Sn	00:50:59.200	2.7	T__	---	15119204	FDSN	RO	--	BUD	iLoc	BHE	???	_
VRAC	2.31	315.3	Pn	00:50:30.724	1.9	T__	---	15119205	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
2018/04/08	21:35:05.57	0.59	0.50	46.2630	16.1882	4.3	1.9	76	10.0F	0.0	13	8	0.90	1.09	a	ke	VIE	15104698	ISC			360
2018/04/08	21:35:04.56	1.06	1.08	46.2152	16.2239	4.5	3.6	108	11.8F	5.4	22	13	61	0.12	1.14	m	ke	BUD	15119143	iLoc		100

Magnitude	Err	Nsta	Author	OrigID
mb	1.3		VIE	15104698
m1	1.2		VIE	15104698
M	1.6	4	BUD	15119143

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
LOBO	0.12	240.9	Pg	21:35:08.220	0.2					T__						15119145	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.12	240.9	Lg	21:35:10.000	-0.7					T__						15119146	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.18	117.5	Pg	21:35:09.770	0.6					T__						15119147	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.18	117.5	Lg	21:35:12.610	-0.1					T__						15119148	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.23	4.5	Pg	21:35:10.133	0.3					T__						15119149	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.23	4.5	Lg	21:35:13.387	-0.3					T__						15119150	FDSN	SL	--	BUD	iLoc	BHE	???	_
PTJ	0.36	210.1	Pg	21:35:13.589	1.6					T__						15119151	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.36	210.1	Lg	21:35:18.115	0.5					T__						15119152	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.36	210.1	Lg	21:35:15.710	-2.6					T__						15119153	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.46	56.1	Lg	21:35:22.320	1.1					T__						15119154	FDSN	HU	--	BUD	iLoc	BHE	???	_
AO21A	0.61	333.2	Lg	21:35:25.701	0.7					T__						15119155	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CRES	0.66	234.2	Pg	21:35:18.546	0.9					T__						15119156	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.66	234.2	Lg	21:35:27.686	0.4					T__						15119157	FDSN	SL	--	BUD	iLoc	BHN	???	_
MOSL	0.71	148.2	Pg	21:35:19.570	0.7					T__						15119158	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.71	148.2	Lg	21:35:26.980	-2.1					T__						15119159	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.80	221.6	Lg	21:35:31.160	-0.2					T__						15119160	FDSN	IR	--	ISC	iLoc	???	???	_
AO10A	0.86	353.4	Sn	21:35:34.025	-1.0					T__						15119161	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SOKA	0.94	299.8	Pn	21:35:22.701	-0.2					T__		0.4	0.32			15119162	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.94	299.8	Lg	21:35:34.870	-0.9					T__		0.5	0.16			15119163	FDSN	IR	--	ISC	iLoc	???	???	_
A260A	1.12	17.1	Pg	21:35:26.742	0.1					T__						15119164	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
ARSA	1.14	335.3	Sn	21:35:42.297	0.5					T__						15119165	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.14	335.3	Lg	21:35:41.422	-0.8					T__		0.3	0.16			15119166	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	
2018/04/09	08:37:00.04	1.28	0.35	48.5883	20.7507	10.1	5.8	9	0.0S		9	5	150	0.44	1.28	m	kx	BUD	15119206	iLoc			239

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

Magnitude	Err	Nsta	Author	OrigID
M	1.6	5	BUD	15119206

Sta	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	0.44	131.7	Pg	08:37:09.226	0.3					T__						15119208	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	131.7	Lg	08:37:16.248	-0.2					T__						15119209	FDSN	HU	--	BUD	iLoc	HHN	???	_
NIE	0.88	341.0	Pn	08:37:18.960	-0.1					T__						15119210	FDSN	PL	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	220.8	Pg	08:37:18.762	0.2					T__						15119211	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	220.8	Lg	08:37:32.617	0.3					T__						15119212	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.22	253.7	Pn	08:37:22.849	-0.6					T__						15119213	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.22	253.7	Lg	08:37:42.644	0.3					T__						15119214	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.28	266.5	Pg	08:37:25.437	-0.0					T__						15119215	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.5	Sn	08:37:43.625	0.1					T__						15119216	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
2018/04/09	08:54:09.66	1.84	1.01	47.9697	18.9962	17.5	7.7	38	10.0A		6	4	222	0.26	0.65	m	ke BUD	15119217	iLoc			317

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A336A	0.26	0.4	Lg	08:54:19.513	0.0					T__						15119219	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.54	348.5	Pg	08:54:21.402	0.8					T__						15119220	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	0.54	348.5	Lg	08:54:27.140	-1.3					T__						15119221	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.61	94.5	Pn	08:54:23.124	-0.2					T__						15119222	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.61	94.5	Lg	08:54:31.203	-0.5					T__						15119223	FDSN	GE	--	BUD	iLoc	BHE	???	_
A335A	0.65	317.5	Lg	08:54:31.538	-0.6					T__						15119224	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
2018/04/10	06:55:07.77	1.28	0.45	47.3624	18.4221	8.4	5.0	151	0.0S		8	5	112	0.11	1.29	m	kx BUD	15119225	iLoc			158

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.7	3 BUD	15119225

Sta	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	270.5	Pg	06:55:10.472	-0.1					T__	55.0	2480.4			MLv	3.0	15119227	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
CSKK	0.11	270.5	Lg	06:55:12.722	-0.2					T__						15119228	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 3.0 1																										
MPLH	0.63	252.6	Lg	06:55:31.170	0.8					T__						15119229	FDSN	HU	--	BUD	iLoc	BHN	???	_		
PSZ	1.14	60.3	Pg	06:55:31.877	0.1					T__	1.8	4.4			MLv	1.8	15119230	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	1.14	60.3	Lg	06:55:48.473	-0.0					T__						15119231	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.8 1																										
MORH	1.16	172.3	Pg	06:55:35.418	4.6					---	1.8	1.5			MLv	1.3	15119232	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_	
MORH	1.16	172.3	Sn	06:55:47.297	-0.5					T__						15119233	FDSN	HU	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.3 1																										
VYHS	1.17	13.7	Lg	06:55:48.466	0.2					T__						15119234	FDSN	SK	--	BUD	iLoc	HHN	???	_		
KOVH	1.29	190.0	Lg	06:55:52.899	0.3					T__						15119235	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
2018/04/10	08:04:44.39	0.16	0.34	46.0423	22.9042	1.2	1.0	98	16.7F	1.2	24	65	0.16	2.24	a	ke BUC	15104727	ISC				360
2018/04/10	08:04:43.95	0.95	0.72	46.0590	22.9094	4.2	3.0	101	14.8F	7.3	46	14	65	0.17	2.22	m	ke BUD	15119309	iLoc			105

Magnitude	Err	Nsta	Author	OrigID
m1	1.8		BUC	15104727
M	1.9	5	BUD	15119309

Sta	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	182.7	Pg	08:04:47.887	-0.2					T__						15119311	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.17	182.7	Lg	08:04:50.762	-0.5					T__						15119312	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.18	181.4	Pg	08:04:48.104	-0.1					T__						15119313	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	181.4	Pg	08:04:48.104	-0.1					T__						15119314	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	181.4	Lg	08:04:51.878	0.5					T__						15119315	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	13.2	Pg	08:04:57.264	0.4					T__						15119316	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	13.2	Pg	08:04:57.264	0.4					T__						15119317	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	13.2	Lg	08:05:07.006	-0.1					T__						15119318	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	188.0	Pg	08:04:57.206	0.1					T__						15119319	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	188.0	Pg	08:04:57.206	0.1					T__						15119320	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	188.0	Pg	08:04:57.455	0.4					T__						15119321	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.67	188.0	Lg	08:05:06.894	0.0					T__						15119322	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.75	349.5	Pg	08:04:59.023	0.0					T__						15119324	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	349.5	Pg	08:04:59.023	0.0					T__						15119323	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	349.5	Pn	08:04:59.566	0.2					T__						15119325	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.75	349.5	Lg	08:05:09.744	-1.3					T__						15119326	FDSN	RO	--	BUD	iLoc	BHE	???	_
LOT	0.86	135.1	Pn	08:05:01.186	0.3					T__						15119327	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.86	135.1	Pn	08:05:01.186	0.3					T__						15119328	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.86	135.1	Lg	08:05:12.303	-0.7					T__						15119329	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.86	135.2	Pn	08:05:01.933	1.0					T__						15119330	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	0.86	135.2	Sn	08:05:14.833	0.4					T__						15119331	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.89	283.8	Pn	08:05:00.915	-0.2					T__						15119332	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.89	283.8	Sn	08:05:13.713	-1.1					T__						15119333	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.89	284.0	Pn	08:05:01.334	0.2					T__						15119334	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.89	284.0	Pn	08:05:01.334	0.2					T__						15119335	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.99	244.1	Sn	08:05:15.902	-1.0					T__						15119336	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.01	244.4	Pn	08:05:03.296	0.8					T__						15119337	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.01	244.4	Pn	08:05:03.296	0.8					T__						15119338	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.23	196.6	Pg	08:05:06.728	-0.7					T__						15119339	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.23	196.6	Pg	08:05:06.728	-0.7					T__						15119340	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.23	196.6	Sn	08:05:23.622	0.6					T__						15119341	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.43	43.6	Lg	08:05:34.528	2.1					T__						15119342	FDSN	RO	--	BUD	iLoc	BHE	???	_
MDVR	1.53	213.8	Pn	08:05:11.556	1.3					T__						15119343	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.53	213.8	Pn	08:05:11.556	1.3					T__						15119344	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.53	213.8	Sn	08:05:30.796	-0.2					T__						15119345	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.62	111.8	Pn	08:05:12.352	0.4					T__						15119346	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.62	111.8	Pn	08:05:12.352	0.4					T__						15119347	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.62	111.8	Sn	08:05:33.100	-1.0					T__						15119348	FDSN	IR	--	ISC	iLoc	???	???	_
TURR	2.16	89.0	Pn	08:05:19.462	-0.3					T__						15119349	FDSN	IR	--	ISC	iLoc	???	???	_
TURR	2.16	89.0	Pn	08:05:19.462	-0.3					T__						15119350	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.20	103.9	Pn	08:05:19.954	-0.6					T__						15119351	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.20	103.9	Pn	08:05:19.954	-0.6					T__						15119352	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.20	103.9	Sn	08:05:48.305	-0.9					T__						15119353	FDSN	IR	--	ISC	iLoc	???	???	_

BURAR	2.22	44.7	Sn	08:05:49.637	0.8				T__						15119354	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.22	44.7	Sn	08:05:49.637	0.8				T__						15119355	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.23	43.9	Pg	08:05:26.080	-0.7				T__						15119356	FDSN	RO	--	BUD	iLoc	BHZ	???	_
TERO	7.50	246.1	Pn	08:06:28.010	-5.8				---						15119357	FDSN	IR	--	ISC	iLoc	???	???	_
FDMO	7.64	250.2	Pn	08:06:30.900	-4.5				---						15119358	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
2018/04/10	08:59:33.98	1.06	0.75	48.2510	18.8074	4.5	3.5	21	0.0S		22	14	104	0.13	1.74	m	kx	BUD	15119249	iLoc		121
(locality : Hontianske-Trstany Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15119249

Sta	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	0.13	97.8	Pg	08:59:37.186	0.4				T__							15119251	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.13	97.8	Lg	08:59:39.188	0.2				T__							15119252	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	0.24	4.5	Pg	08:59:39.641	0.5				T__							15119253	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.24	4.5	Lg	08:59:43.588	0.7				T__							15119254	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.37	302.1	Pg	08:59:41.626	-0.0				T__							15119255	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.37	302.1	Lg	08:59:46.297	-1.0				T__							15119256	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.39	232.4	Lg	08:59:47.574	-0.3				T__							15119257	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A332A	0.60	337.8	Pg	08:59:46.417	0.5				T__							15119258	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.60	337.8	Lg	08:59:54.604	-0.2				T__							15119259	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.80	114.1	Pg	08:59:51.222	0.3				T__							15119260	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.80	114.1	Lg	09:00:01.470	-2.0				T__							15119261	FDSN	GE	--	BUD	iLoc	BHN	???	_
A339A	0.88	241.8	Lg	09:00:05.578	0.8				T__							15119262	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.97	309.3	Pg	08:59:53.161	-0.3				T__							15119263	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.97	309.3	Lg	09:00:07.841	0.2				T__							15119264	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.97	309.3	Lg	09:00:06.800	-0.8				T__							15119265	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	1.03	277.4	Pn	08:59:55.013	0.2				T__							15119266	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.03	277.4	Lg	09:00:09.554	-0.2				T__							15119267	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	1.14	267.9	Lg	09:00:12.532	-0.8				T__							15119268	FDSN	SK	--	BUD	iLoc	HHE	???	_
EGYH	1.30	230.5	Lg	09:00:18.435	0.0				T__							15119269	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	1.38	218.8	Sn	09:00:19.405	0.1				T__							15119270	FDSN	HU	--	BUD	iLoc	BHN	???	_
A004A	1.64	260.8	Pg	09:00:06.587	0.3				T__							15119271	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORC	1.74	331.9	Lg	09:00:29.791	-1.4				T__							15119272	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
2018/04/10	09:16:45.31	1.29	1.36	48.1516	19.8105	8.2	6.8	62	0.0S		7	5	131	0.24	1.61	m	kx	BUD	15119273	iLoc		208
(description : known quarry blast)																						
(locality : Siatorska-Bukovinka Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.7	0.3	2	BUD	15119273

Sta	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	166.4	Pg	09:16:50.985	0.1				T__		9.6	30.4		---	MLv	1.4	15119275	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_

PSZ	0.24	166.4	Lg	09:16:54.482	-0.8	T__								15119276	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	0.74	298.1	Lg	09:17:09.819	-1.2	T__								15119277	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	0.97	80.9	Pn	09:17:05.734	0.5	T__	2.0	7.7				MLv	1.9	15119278	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.97	80.9	Lg	09:17:18.198	-2.0	T__								15119279	FDSN	HU	--	BUD	iLoc	HHN	???	_
NIE	1.31	14.5	Lg	09:17:29.035	0.1	T__								15119280	FDSN	PL	--	BUD	iLoc	BHN	???	_
LTVH	1.61	117.8	Sn	09:17:37.777	1.0	T__								15119281	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
 2018/04/10 10:08:17.21 1.69 0.17 47.4581 18.1908 10.6 6.8 156 0.0S 5 3 177 0.11 0.68 m kx BUD 15119290 iLoc 276
 (description : known 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	153.4	Pg	10:08:20.046	0.1					T__						15119292	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.11	153.4	Lg	10:08:22.124	-0.1					T__						15119293	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.53	237.2	Pg	10:08:28.252	0.1					T__						15119294	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.53	237.2	Lg	10:08:36.180	-0.2					T__						15119295	FDSN	HU	--	BUD	iLoc	BHN	???	_
A270A	0.68	55.0	Pg	10:08:31.390	0.0					T__						15119296	FDSN	Z3	00	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
 2018/04/11 07:57:53.57 1.48 0.75 47.8366 19.1664 7.3 5.0 173 0.0S 9 5 159 0.10 1.29 m kx BUD 15119297 iLoc 255
 2018/04/11 07:57:53.87f 0.88 47.8355 19.1270f 0.0S 9 158 0.07 1.27 m kx BUD_GT 15135216 BUD 250
 (GT info : GT2 explosion)
 (locality : Sejce-Vác Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID

M 1.4 4 BUD 15135216

Sta	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	07:57:56.123	0.3					T__						15137593	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.07	277.6	Lg	07:57:58.442	1.0					T__						15137594	FDSN	Z3	00	BUD	BUD	HHN	???	_
A336A	0.41	347.9	Pg	07:58:02.395	0.1					T__						15137595	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.41	347.9	Lg	07:58:08.080	-0.4					T__						15137596	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	07:58:04.953	-0.3					T__						15137597	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.52	80.6	Lg	07:58:11.809	-2.0					T__						15137598	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	0.69	343.6	Pg	07:58:08.277	0.5					T__						15137599	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.69	343.6	Lg	07:58:16.863	-1.2					T__						15137600	FDSN	SK	--	BUD	BUD	HHN	???	_
MPLH	1.27	238.8	Lg	07:58:37.498	-0.2					T__						15137601	FDSN	HU	--	BUD	BUD	BHE	???	_
CING	6.10	225.2	Pg	07:59:44.270	-6.5					---						15137602	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
 2018/04/11 08:11:56.91 1.26 0.63 45.6419 17.3494 5.6 4.5 164 6.2F 11.8 16 9 90 0.41 1.34 m ke BUD 15119359 iLoc 158

Magnitude Err Nsta Author OrigID
M 2.0 6 BUD 15119359

Sta	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	0.41	120.3	Pg	08:12:04.845	-0.5					T__						15119361	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.41	120.3	Lg	08:12:11.005	-0.7					T__						15119362	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.69	49.3	Pg	08:12:11.098	0.2					T__						15119363	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.69	49.3	Lg	08:12:20.954	-0.4					T__						15119364	FDSN	HU	--	BUD	iLoc	BHE	???	_
BLY	0.86	188.0	Pg	08:12:14.466	0.7					T__						15119365	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.86	188.0	Lg	08:12:26.607	0.3					T__						15119366	FDSN	MN	--	BUD	iLoc	BHN	???	_
PTJ	1.00	285.8	Pg	08:12:16.517	-0.0					T__						15119367	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	1.00	285.8	Lg	08:12:29.617	-1.5					T__						15119368	FDSN	CR	--	BUD	iLoc	BHE	???	_
MORH	1.07	57.1	Pn	08:12:17.562	0.1					T__						15119369	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.07	57.1	Lg	08:12:33.417	-0.0					T__						15119370	FDSN	HU	--	BUD	iLoc	BHE	???	_
A266A	1.09	35.5	Lg	08:12:34.601	0.4					T__						15119371	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOGS	1.11	316.9	Pg	08:12:18.860	0.1					T__						15119372	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	1.11	316.9	Lg	08:12:34.689	0.1					T__						15119373	FDSN	SL	--	BUD	iLoc	BHN	???	_
A261A	1.32	354.0	Pn	08:12:21.708	0.6					T__						15119374	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CRES	1.34	278.6	Pn	08:12:21.760	0.3					T__						15119375	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.34	278.6	Sn	08:12:40.213	-0.5					T__						15119376	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
2018/04/11	08:55:52.96	1.39	1.05	46.1870	18.2661	6.6	4.8	132	0.0S		8	4	117	0.15	1.10	m	kx BUD	15119377	iLoc			228
2018/04/11	08:55:53.04f		0.95	46.1765	18.2926f				0.0S		8		122	0.16	1.12	m	kx BUD_GT	15135221	BUD			230

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

Magnitude Err Nsta Author OrigID
M 1.1 4 BUD 15135221

Sta	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	08:55:57.095	0.2					T__						15137603	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.16	236.7	Lg	08:55:59.964	-0.0					T__						15137604	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.25	80.7	Pg	08:55:59.270	0.7					T__						15137605	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.25	80.7	Lg	08:56:03.052	0.2					T__						15137606	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pg	08:56:09.629	0.3					T__						15137607	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.80	202.9	Lg	08:56:20.372	-1.2					T__						15137608	FDSN	Z3	--	BUD	BUD	BHE	???	_
MPLH	1.12	332.7	Pg	08:56:16.084	0.4					T__						15137609	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	1.12	332.7	Sn	08:56:30.184	-2.2					T__						15137610	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
2018/04/12	10:48:46.48	2.56	1.47	47.1729	18.0416	38.0	7.1	111	0.0S		4	3	205	0.24	1.04	m	kx BUD	15119387	iLoc			323
2018/04/12	10:48:47.32f		1.86	47.2302	18.2835f				0.0S		4		172	0.13	1.04	m	kx BUD_GT	15135226	BUD			323

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

Magnitude	Err	Nsta	Author	OrigID																				
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.13	353.4	Pg	10:48:52.595	2.0					T__						15137611	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:48:54.885	1.5					T__						15137612	FDSN	HU	--	BUD	BUD	HHN	???	_
A265A	0.87	202.8	Pg	10:49:02.267	-2.8					T__						15137613	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MORH	1.04	166.1	Lg	10:49:23.994	0.1					T__						15137614	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
2018/04/13	10:01:41.10	1.21	0.39	48.1831	16.9175	9.5	4.9	149	0.0S		9	6	98	0.12	1.33	m	sx	BUD	15119393	iLoc		160

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID																					
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MLv	2.1	0.4		2 BUD		15119393																			
ZST	0.12	83.9	Pg	10:01:44.341	0.1					T__	12.0	580.2			MLv	2.4	15119395	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
ZST	0.12	83.9	Lg	10:01:46.478	-0.2					T__						15119396	FDSN	SK	--	BUD	iLoc	HHN	???	_	
MODS	0.31	51.5	Pg	10:01:47.699	-0.1					T__						15119397	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.31	51.5	Lg	10:01:52.534	-0.3					T__						15119398	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CONA	0.75	250.6	Lg	10:02:07.139	-0.2					T__						15119399	FDSN	OE	--	BUD	iLoc	BHE	???	_	
MPLH	1.10	157.2	Sn	10:02:20.066	0.3					T__						15119400	FDSN	HU	--	BUD	iLoc	BHN	???	_	
VRAC	1.15	349.3	Sn	10:02:21.185	0.5					T__						15119401	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
ARSA	1.33	225.8	Pg	10:02:07.089	0.2					T__	1.6	3.5			MLv	1.8	15119402	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.33	225.8	Sn	10:02:24.595	-0.6					T__						15119403	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
2018/04/13	10:08:19.32	1.14	1.05	48.2409	21.2146	7.4	5.5	164	0.0S		9	6	99	0.06	1.32	m	kx	BUD	15119412	iLoc		181
2018/04/13	10:08:19.29f		0.88	48.2470	21.2460f				0.0S		9		97	0.05	1.33	m	kx	BUD_GT	15136926	BUD		181

(GT info : GT2 explosion)
(description : known quarry blast)
(locality : Tállya 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
ML	2.0	0.1		3 BUD		15119412																		
ML	2.0	0.1		3 BUD		15136926																		
ABAH	0.05	355.1	Pg	10:08:20.467	-0.4					T__		1126.5			MLv	15137615	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:08:21.554	-0.8					T__						15137616	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Pg	10:08:29.876	-0.7					T__		17.4			MLv	15137617	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
HOLU	0.81	69.3	Pg	10:08:35.680	0.8					T__						15137618	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:08:48.907	0.3					T__						15137619	FDSN	UA	--	BUD	BUD	MHZ	???	_
PSZ	0.96	250.6	Pn	10:08:39.074	-0.5					T__		8.5			MLv	15137620	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:08:53.507	-1.0					T__						15137621	FDSN	GE	--	BUD	BUD	BHE	???	_
LTVH	0.97	152.7	Lg	10:08:54.679	-0.3					T__						15137622	FDSN	HU	--	BUD	BUD	HHE	???	_
NIE	1.33	332.3	Sn	10:09:06.900	2.0					T__						15137623	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
 2018/04/13 11:12:50.93 1.97 0.33 46.1268 18.0468 13.7 7.8 62 0.0S 5 3 205 0.05 1.10 m sx BUD 15119436 iLoc 301
 (locality : Bükkösd-II Hungary)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 MLv 1.4 0.8 2 BUD 15119436

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.05	136.2	Pg	11:12:52.799	0.1					T__	122.7	174.8		---	MLv	1.7	15119438	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.05	136.2	Lg	11:12:54.020	-0.2					T__				---		15119439	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORH	0.42	77.7	Pg	11:13:00.127	0.2					T__	2.3	1.2		---	MLv	0.6	15119440	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.42	77.7	Lg	11:13:06.539	-0.3					T__				---		15119441	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MPLH	1.10	341.7	Lg	11:13:29.440	-0.2					T__				---		15119442	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
 2018/04/16 08:21:33.37 1.04 0.90 48.6337 20.7330 5.6 4.2 160 0.0S 15 8 83 0.22 7.61 m kx BUD 15119451 iLoc 157
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 7 BUD 15119451

Sta	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	227.6	Pg	08:21:38.539	0.5					T__				---		15119453	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	227.6	Lg	08:21:41.901	0.3					T__				---		15119454	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.48	134.9	Pg	08:21:42.998	-0.0					T__				---		15119455	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.48	134.9	Lg	08:21:51.171	0.0					T__				---		15119456	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.55	60.6	Pg	08:21:45.564	1.6					T__				---		15119457	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.55	60.6	Lg	08:21:53.424	0.3					T__				---		15119458	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.91	218.4	Pn	08:21:52.711	-0.0					T__				---		15119459	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	218.4	Lg	08:22:06.520	-0.0					T__				---		15119460	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	0.98	302.3	Pn	08:21:54.348	0.6					T__				---		15119461	FDSN	SK	--	BUD	iLoc	EZH	???	_
LANS	0.98	302.3	Lg	08:22:07.931	0.9					T__				---		15119462	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	1.27	264.4	Pg	08:21:59.221	0.6					T__				---		15119463	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	264.4	Lg	08:22:17.523	0.4					T__				---		15119464	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.51	277.3	Pn	08:22:01.048	0.1					T__				---		15119465	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	1.51	277.3	Sn	08:22:21.101	-1.6					T__				---		15119466	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VSVD	7.61	13.7	Pg	08:23:52.440	-1.6					T__				---		15119467	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
 2018/04/16 09:08:46.41 1.67 0.59 45.8491 18.4010 11.5 5.5 118 0.0S 6 3 198 0.32 0.57 m kx BUD 15119468 iLoc 294
 2018/04/16 09:08:46.45f 0.41 45.8525 18.3977f 0.0S 6 197 0.31 0.57 m kx BUD_GT 15136929 BUD 293
 (GT info : GT2 explosion)
 (locality : Nagyharsány Hungary)
 (description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.4	3 BUD	15119468
ML	1.0	0.4	3 BUD	15136929

Sta	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	09:08:53.753	0.4					T__		6.8		---	MLv	15137624	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.31	318.7	Lg	09:08:58.479	-0.3					T__				---		15137625	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.40	25.2	Pg	09:08:55.255	0.2					T__		2.2		---	MLv	15137626	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.40	25.2	Lg	09:09:01.258	-0.4					T__				---		15137627	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.57	222.9	Pg	09:08:58.454	0.3					T__		5.1		---	MLv	15137628	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.57	222.9	Lg	09:09:06.293	-0.7					T__				---		15137629	FDSN	Z3	--	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
2018/04/16	09:54:50.76	1.17	0.50	48.5189	17.4311	8.7	4.2	142	0.0S		11	7	143	0.18	1.20	m	sx BUD	15119489	iLoc			180
(locality : Boleraz Slovakia)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6		5 BUD	15119489

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.18	215.2	Pg	09:54:54.895	-0.0					T__				---		15119491	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.18	215.2	Lg	09:54:58.097	-0.0					T__				---		15119492	FDSN	SK	--	BUD	iLoc	HHE	???	_
A334A	0.18	62.0	Pg	09:54:55.243	0.4					T__				---		15119493	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.38	24.9	Pg	09:54:58.474	-0.2					T__				---		15119494	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.38	24.9	Lg	09:55:04.786	0.2					T__				---		15119495	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.61	96.5	Lg	09:55:12.561	0.6					T__				---		15119496	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.93	91.0	Pn	09:55:10.449	0.2					T__				---		15119497	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A336A	1.08	104.7	Pn	09:55:11.256	-1.0					T__				---		15119498	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.08	104.7	Lg	09:55:28.371	0.1					T__				---		15119499	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CONA	1.20	241.2	Pg	09:55:14.964	0.3					T__				---		15119500	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.20	241.2	Lg	09:55:32.481	0.5					T__				---		15119501	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
2018/04/16	10:49:13.39	1.34	0.60	45.8423	20.8072	15.6	5.7	139	12.0A		9	5	129	0.51	1.63	m	ke BUD	15119502	iLoc			243

Magnitude	Err	Nsta	Author	OrigID
M	2.0		4 BUD	15119502

Sta	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	0.51	353.7	Sn	10:49:34.898	0.4					T__				---		15119504	FDSN	HU	--	BUD	iLoc	HHN	???	_
BZS	0.62	110.7	Pn	10:49:26.450	-0.0					T__				_c_		15119505	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.62	110.7	Lg	10:49:34.694	-0.1					T__				---		15119506	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.73	54.3	Pg	10:49:28.638	0.3					T__				---		15119507	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.73	54.3	Sn	10:49:41.005	0.9					T__				---		15119508	FDSN	RO	--	BUD	iLoc	BHN	???	_
FRGS	0.98	224.4	Pg	10:49:32.659	0.3					T__				---		15119509	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
FRGS	0.98	224.4	Sn	10:49:45.890	-0.6					T__				---		15119510	FDSN	SJ	--	BUD	iLoc	HHN	???	_

DRGR	1.63	53.6	Pg	10:49:45.076	-0.3	T__	---	15119511	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.63	53.6	Lg	10:50:08.791	-0.7	T__	---	15119512	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
2018/04/16	11:26:30.50	1.31	0.73	48.8935	20.6822	8.1	4.5	92	11.8F	16.6	12	7	111	0.43	1.45	m	ke	BUD	15119513	iLoc		220

Magnitude	Err	Nsta	Author	OrigID
M	1.6	6	BUD	15119513

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KECS	0.43	197.7	Pg	11:26:39.270	-0.0					T__						15119515	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.43	197.7	Lg	11:26:45.885	-0.1					T__						15119516	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.51	88.7	Pg	11:26:40.593	0.2					T__						15119517	FDSN	SK	--	BUD	iLoc	HHZ	???	_
NIE	0.58	335.4	Pg	11:26:42.119	0.5					T__						15119518	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.58	335.4	Lg	11:26:49.728	-0.4					T__						15119519	FDSN	PL	--	BUD	iLoc	BHN	???	_
LANS	0.84	288.3	Pn	11:26:47.183	-0.4					T__						15119520	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.84	288.3	Lg	11:26:59.193	0.3					T__						15119521	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	1.11	208.6	Pg	11:26:52.577	-0.9					T__						15119522	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.11	208.6	Sn	11:27:08.557	0.5					T__						15119523	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.30	240.1	Lg	11:27:15.605	1.5					T__						15119524	FDSN	Z3	00	BUD	iLoc	HH3	???	_
OJC	1.45	336.9	Pg	11:26:57.463	-0.5					T__						15119525	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.45	336.9	Lg	11:27:18.481	0.0					T__						15119526	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
2018/04/17	08:09:27.60	4.02	2.21	47.8379	20.6036	28.3	7.4	144	0.0S		5	3	251	0.48	1.21	m	sx	BUD	15119534	iLoc		325

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5	1	BUD	15119534

Sta	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	0.48	279.8	Pg	08:09:38.956	0.8					T__						15119536	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.48	279.8	Lg	08:09:44.656	-1.5					T__						15119537	FDSN	GE	--	BUD	iLoc	BHZ	???	_
KECS	0.65	353.1	Pg	08:09:42.112	1.5					T__						15119538	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.65	353.1	Lg	08:09:50.000	-0.6					T__						15119539	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	1.21	27.9	Lg	08:10:07.837	-2.1					T__						15119540	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
2018/04/17	08:49:35.69	1.31	0.33	47.1633	19.2544	15.1	6.3	107	0.0S		5	3	174	0.36	1.04	m	kx	BUD	15119527	iLoc		304

Magnitude	Err	Nsta	Author	OrigID
M	1.5	2	BUD	15119527

Sta	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	0.36	334.0	Lg	08:49:49.534	-0.1					T__						15119529	FDSN	HU	--	BUD	iLoc	BHE	???	_

PSZ	0.87	29.6	Pg	08:49:54.346	0.1	T__	_c_	15119530	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	29.6	Lg	08:50:07.676	-0.3	T__	---	15119531	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.04	204.1	Pn	08:49:56.562	0.1	T__	---	15119532	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.04	204.1	Lg	08:50:11.727	-0.3	T__	---	15119533	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
2018/04/18	09:34:03.15	0.14	0.40	46.0207	22.8193	1.2	0.9	110	3.6F	1.5	29	67	0.14	2.40	a	ke	BUC	15104808	ISC			360
2018/04/18	09:34:02.39	1.17	0.71	46.0556	22.8106	3.2	2.7	113	1.3F	10.0	56	17	69	0.18	7.74	m	ke	BUD	15119541	iLoc		108

Magnitude	Err	Nsta	Author	OrigID
m1	1.7		BUC	15104808
M	1.9	7	BUD	15119541

Sta	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	160.1	Pg	09:34:05.916	0.1					T__						15119543	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.18	160.1	Lg	09:34:07.781	-0.7					T__						15119544	FDSN	RO	--	BUD	iLoc	BHE	???	_
DEV	0.18	159.4	Lg	09:34:08.059	-0.6					T__		1.1				15119545	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	238.0	Pg	09:34:13.833	0.4					T__						15119546	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	238.0	Pg	09:34:13.833	0.4					T__						15119547	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	238.0	Lg	09:34:21.081	-0.6					T__						15119548	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.66	18.9	Pg	09:34:15.798	0.2					T__						15119549	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.66	18.9	Pg	09:34:15.798	0.2					T__						15119550	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.66	18.9	Lg	09:34:25.805	-0.4					T__						15119551	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	182.1	Pg	09:34:15.297	0.1					T__						15119552	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.66	182.1	Lg	09:34:24.343	-0.4					T__		0.1				15119553	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	182.1	Lg	09:34:24.575	-0.2					T__						15119554	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.74	354.7	Pn	09:34:18.883	-0.3					T__						15119555	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	354.7	Pn	09:34:18.883	-0.3					T__						15119556	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	354.7	Lg	09:34:28.302	-0.9					T__						15119557	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	354.7	Pn	09:34:19.104	-0.1					T__						15119558	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.74	354.7	Lg	09:34:27.816	-1.4					T__						15119559	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.82	285.1	Pg	09:34:18.910	-0.2					T__						15119560	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.82	285.1	Lg	09:34:31.394	-0.3					T__						15119561	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.83	285.3	Pg	09:34:19.166	0.0					T__		0.1				15119563	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.83	285.3	Pg	09:34:19.166	0.0					T__						15119562	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.83	285.3	Lg	09:34:30.986	-0.7					T__		0.1				15119564	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	39.4	Pn	09:34:20.227	-0.7					T__						15119565	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	39.4	Pn	09:34:20.227	-0.7					T__		0.1				15119566	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	39.4	Pn	09:34:21.590	0.7					T__						15119567	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.85	39.4	Lg	09:34:32.717	0.2					T__						15119568	FDSN	RO	--	BUD	iLoc	BHE	???	_
LOT	0.91	131.8	Pg	09:34:19.965	0.2					T__						15119569	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.91	131.8	Pg	09:34:19.965	0.2					T__		0.1				15119570	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.91	131.8	Lg	09:34:32.266	-0.7					T__		0.1				15119571	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.91	131.9	Pg	09:34:20.216	0.3					T__						15119572	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	0.91	131.9	Lg	09:34:31.734	-1.4					T__						15119573	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.93	242.3	Pg	09:34:20.606	0.1					T__						15119574	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.93	242.3	Lg	09:34:34.219	0.4					T__						15119575	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.94	242.7	Pg	09:34:21.407	0.6					T__						15119576	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.94	242.7	Pg	09:34:21.407	0.6					T__						15119577	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.94	242.7	Lg	09:34:33.595	-0.8					T__						15119578	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.4	Pn	09:34:25.189	-0.2					T__						15119579	FDSN	IR	--	ISC	iLoc	???	???	_

HERR	1.21	193.4	Pn	09:34:25.189	-0.2	T__	0.1	---	15119580	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.4	Lg	09:34:42.128	0.1	T__	0.1	---	15119581	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.48	45.4	Lg	09:34:53.668	0.8	T__		---	15119582	FDSN	RO	--	BUD	iLoc	BHN	???	_
MDVR	1.49	211.6	Pn	09:34:30.737	1.2	T__		---	15119583	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.49	211.6	Pn	09:34:30.737	1.2	T__		---	15119584	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.49	211.6	Sn	09:34:50.709	-0.2	T__		---	15119585	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.69	110.7	Sn	09:34:56.247	-0.3	T__		---	15119586	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.69	110.7	Sn	09:34:56.247	-0.3	T__		---	15119587	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.27	103.3	Pn	09:34:42.104	0.8	T__		---	15119588	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.27	103.3	Pn	09:34:42.104	0.8	T__		---	15119589	FDSN	IR	--	ISC	iLoc	???	???	_
MLR	2.27	103.3	Sn	09:35:10.057	-1.8	T__		---	15119590	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.27	45.8	Pn	09:34:42.755	1.5	T__		---	15119591	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.27	45.8	Pn	09:34:42.755	1.5	T__		---	15119592	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.27	45.8	Sn	09:35:11.621	0.5	T__		---	15119593	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.28	45.0	Pn	09:34:42.608	1.1	T__		---	15119594	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BLKB	2.43	182.3	Pn	09:34:43.545	0.7	T__		---	15119595	FDSN	IR	--	ISC	iLoc	???	???	_
BLKB	2.43	182.3	Pn	09:34:43.545	0.7	T__		---	15119596	FDSN	IR	--	ISC	iLoc	???	???	_
BLKB	2.43	182.3	Sn	09:35:14.056	-0.1	T__		---	15119597	FDSN	IR	--	ISC	iLoc	???	???	_
RM33	7.74	246.2	Sn	09:37:23.570	-0.4	T__		---	15119598	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
2018/04/18	09:41:53.14	2.83	0.70	48.4204	20.8072	21.0	15.4	132	0.0S		5	4	248	0.22	1.31	m	kx BUD	15119607	iLoc			304
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.4	2 BUD	15119607

Sta	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	286.5	Pg	09:41:57.898	0.1					T__	32.9	151.2		---	MLv	2.1	15119609	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	286.5	Lg	09:42:01.930	0.5					T__				---		15119610	FDSN	SK	--	BUD	iLoc	EHN	???	_	
PSZ	0.79	230.9	Sn	09:42:24.777	-0.0					T__				---		15119611	FDSN	GE	--	BUD	iLoc	BHE	???	_	
NIE	1.05	342.1	Pn	09:42:14.524	0.0					T__	2.0	2.7		---	MLv	1.5	15119612	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
VVHS	1.31	273.9	Sn	09:42:36.765	-0.8					T__				---		15119613	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	
2018/04/18	10:01:18.50	0.43	0.20	46.6560	15.3220	4.3	3.5		0.0A					231		a	sx LJU	15104914	ISC				360
2018/04/18	10:00:48.94	0.38	0.50	47.9696	16.1316	8.0	1.9	111	0.0F	0.0	11		4	0.83	0.83	a	sx VIE	15104910	ISC				360
2018/04/18	10:00:38.40	1.04	2.24	48.1256	16.8582	11.6	3.9	139	0.0S		17	7	159	0.18	1.26	m	sx BUD	15119636	iLoc				177
(description : suspected quarry blast)																							
(locality : Hainburg Austria)																							

Magnitude	Err	Nsta	Author	OrigID
ML	0.3		LJU	15104914
mb	1.4		VIE	15104910
ml	1.5		VIE	15104910
M	2.1	4	BUD	15119636

Sta	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	0.18	66.6	Pg	10:00:42.781	0.2					T__						15119638	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.18	66.6	Lg	10:00:43.773	-2.0					T__						15119639	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.37	48.3	Pg	10:00:46.369	-0.0					T__						15119640	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.37	48.3	Lg	10:00:50.491	-1.9					T__						15119641	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.91	36.1	Pn	10:00:59.642	1.8					T__						15119642	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.91	36.1	Sn	10:01:12.670	-0.1					T__						15119643	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.91	36.1	Pn	10:00:59.900	2.1					T__						15119644	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.99	342.0	Pn	10:00:59.700	1.1					T__						15119645	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.99	342.0	Sn	10:01:12.600	-1.6					T__						15119646	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.99	342.0	Sn	10:01:13.281	-0.9					T__						15119647	FDSN	CZ	--	BUD	iLoc	BHN	???	_
AO12A	1.00	239.1	Pn	10:00:59.887	0.8					T__						15119648	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VRAC	1.20	351.7	Pn	10:01:03.300	1.8					T__						15119649	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.20	351.7	Sn	10:01:18.900	-0.3					T__						15119650	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.26	226.3	Pg	10:01:05.365	2.6					T__		2.4	0.44			15119651	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.26	226.3	Lg	10:01:15.948	-4.7					T__		1.2	0.24			15119652	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.26	226.3	Pg	10:01:05.240	2.4					T__						15119653	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.26	226.3	Lg	10:01:17.250	-3.4					T__						15119654	FDSN	OE	--	BUD	iLoc	BHE	???	_
PERS	1.90	219.1	Pg	10:01:21.570	6.8					---						15119655	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	1.90	219.1	Sn	10:01:23.560	-13.3					---						15119656	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	1.90	219.1	IAML	10:01:23.930	-99.0					---		4.1	0.09			15119657	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	1.90	209.5	Pg	10:01:23.280	8.1					---						15119658	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	1.90	209.5	Sn	10:01:26.200	-11.1					---						15119659	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
2018/04/18	11:31:50.60	1.87	0.75	47.8834	20.0627	17.4	4.7	170	0.0S		12	5	225	0.12	1.02	m	kx BUD	15119622	iLoc			262
2018/04/18	11:31:50.76f		0.75	47.8987	20.0893f				0.0S		12		216	0.13	1.03	m	kx BUD_GT	15135245	BUD			254
(GT info : GT2 explosion)																						
(locality : Recsk Hungary)																						
(description : known quarry blast)																						

Magnitude Err Nsta Author OrigID
M 1.9 5 BUD 15135245

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.13	278.6	Pg	11:31:53.700	-0.5					T__		1.6				15137630	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.13	278.6	Pg	11:31:54.004	-0.2					T__						15137632	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.13	278.6	Lg	11:31:56.338	-0.7					T__						15137633	FDSN	GE	--	BUD	BUD	BHN	???	_
PSZ	0.13	278.6	Lg	11:31:56.700	-0.3					T__		1.6				15137631	FDSN	IR	--	ISC	BUD	???	???	_
KECS	0.64	24.2	Pg	11:32:04.593	0.9					T__						15137634	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.64	24.2	Lg	11:32:13.817	0.3					T__						15137635	FDSN	SK	--	BUD	BUD	EHE	???	_
A336A	0.80	295.0	Pn	11:32:07.715	-0.5					T__						15137636	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.80	295.0	Lg	11:32:18.184	-0.7					T__						15137637	FDSN	Z3	00	BUD	BUD	HH2	???	_
ABAH	0.87	62.3	Pn	11:32:09.685	0.3					T__						15137638	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.87	62.3	Lg	11:32:21.769	-0.5					T__						15137639	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	1.03	305.9	Pn	11:32:11.843	0.3					T__						15137640	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Lg	11:32:24.644	-1.9					T__						15137641	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
 2018/04/19 09:00:42.47 1.24 2.31 48.5793 20.7911 8.5 4.3 155 0.0S 13 9 146 0.22 6.07 m kx BUD 15119660 iLoc 226
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15119660

Sta	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	244.8	Pg	09:00:46.920	-0.2					T__						15119662	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	244.8	Lg	09:00:51.027	0.3					T__						15119663	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.41	133.3	Pg	09:00:51.510	0.6					T__						15119664	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.41	133.3	Lg	09:00:57.301	-0.7					T__						15119665	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.55	53.7	Pg	09:00:53.797	0.8					T__						15119666	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.55	53.7	Lg	09:01:01.664	-0.5					T__						15119667	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.89	222.5	Pg	09:01:02.277	1.0					T__						15119668	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	222.5	Lg	09:01:14.962	-0.1					T__						15119669	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.24	254.5	Sn	09:01:23.650	-1.3					T__						15119670	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.30	267.0	Sn	09:01:26.343	-0.3					T__						15119671	FDSN	SK	--	BUD	iLoc	HHN	???	_
A270A	1.39	238.9	Sn	09:01:27.592	-1.2					T__						15119672	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KIJV	5.49	215.2	Lg	09:03:35.600	-7.8					---						15119673	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	5.69	207.9	Lg	09:03:38.120	-12.2					---						15119674	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	5.89	218.7	Lg	09:03:51.950	-4.3					---						15119675	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	6.07	223.0	Lg	09:04:07.320	5.4					T__						15119676	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	6.09	217.9	Lg	09:03:54.670	-8.2					---						15119677	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
 2018/04/19 09:18:01.71 1.19 1.37 48.8232 21.2004 7.8 5.4 138 0.0S 9 5 111 0.19 1.26 m sx BUD 15119678 iLoc 221
 (description : suspected quarry blast)
 (locality : Trebejov Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15119678

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.19	65.3	Pg	09:18:05.740	0.1					T__						15119680	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.19	65.3	Lg	09:18:08.247	-0.8					T__						15119681	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	0.53	177.1	Pg	09:18:13.562	1.2					T__						15119682	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.53	177.1	Lg	09:18:20.388	-0.8					T__						15119683	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	0.58	234.6	Pg	09:18:13.479	0.1					T__						15119684	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.58	234.6	Lg	09:18:21.528	-0.6					T__						15119685	FDSN	SK	--	BUD	iLoc	EHN	???	_
NIE	0.83	316.0	Pg	09:18:18.125	0.7					T__						15119686	FDSN	PL	--	BUD	iLoc	BHZ	???	_
PSZ	1.26	224.4	Pn	09:18:27.259	1.2					T__						15119687	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.26	224.4	Sn	09:18:43.054	-2.4					T__						15119688	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
 2018/04/19 09:19:03.42 1.00 1.04 48.3381 19.0255 5.8 4.0 50 0.0S 18 10 64 0.11 5.77 m kx BUD 15119689 iLoc 114
 (description : known quarry blast)

(locality : Hanisberg Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15119689

Sta	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	189.6	Pg	09:19:07.111	1.3					T__						15119691	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.11	189.6	Lg	09:19:08.769	1.2					T__						15119692	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.20	321.1	Pg	09:19:08.582	0.9					T__						15119693	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.20	321.1	Lg	09:19:11.738	0.9					T__						15119694	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.47	283.6	Pg	09:19:13.268	0.2					T__						15119695	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.47	283.6	Lg	09:19:19.838	-0.3					T__						15119696	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.72	125.5	Pn	09:19:20.209	0.2					T__						15119697	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.72	125.5	Lg	09:19:29.255	-0.8					T__						15119698	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.86	19.6	Pn	09:19:21.372	-0.6					T__						15119699	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.98	81.0	Pn	09:19:23.498	-0.0					T__						15119700	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.98	81.0	Lg	09:19:38.157	0.5					T__						15119701	FDSN	SK	--	BUD	iLoc	EHN	???	_
JAVC	1.04	300.6	Pn	09:19:24.829	0.3					T__						15119702	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.04	300.6	Sn	09:19:40.307	-0.4					T__						15119703	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.04	300.6	Pg	09:19:24.500	0.3					T__						15119704	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.04	300.6	Lg	09:19:39.700	0.4					T__						15119705	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.74	326.4	Sn	09:19:56.785	-1.3					T__						15119706	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CONA	2.16	260.2	Sn	09:20:07.673	-0.2					T__						15119707	FDSN	OE	--	BUD	iLoc	BHE	???	_
LSTV	5.77	195.8	Lg	09:22:09.990	-2.8					T__						15119708	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
2018/04/19	09:49:56.63	0.37	0.32	46.9400	22.3244	2.9	1.4	152	6.8F	2.0	15	209		0.30	1.58	a	ke BUC	15104966	ISC			360
2018/04/19	09:49:54.89	1.53	0.85	46.9547	22.2864	11.7	3.8	150	0.0S		30	8	214	0.33	1.60	m	sx BUD	15119709	iLoc			252

(locality : Tetchea Romania)

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15104966
M	1.6	4	BUD	15119709

Sta	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	119.1	Pg	09:50:02.615	0.7					T__						15119711	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.33	119.1	Lg	09:50:07.450	-0.2					T__						15119712	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.33	119.1	Pg	09:50:02.723	0.8					T__						15119713	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.33	119.1	Pg	09:50:02.723	0.8					T__						15119714	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.49	66.4	Lg	09:50:12.471	-0.8					T__						15119715	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.49	66.4	Lg	09:50:12.471	-0.8					T__		0.1				15119716	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	115.7	Pg	09:50:08.261	0.5					T__						15119717	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	115.7	Pg	09:50:08.261	0.5					T__						15119718	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	115.7	Lg	09:50:16.795	-1.2					T__						15119719	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	212.4	Pn	09:50:12.548	-0.1					T__						15119720	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	212.4	Pn	09:50:12.548	-0.1					T__						15119721	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	212.4	Lg	09:50:23.215	-0.8					T__						15119722	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	212.2	Pn	09:50:12.921	0.2					T__						15119723	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.81	212.2	Lg	09:50:22.208	-1.9					T__						15119724	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.93	104.5	Pg	09:50:14.087	0.8					T__						15119725	FDSN	IR	--	ISC	iLoc	???	???	_

CJR	0.93	104.5	Pg	09:50:14.087	0.8	T__	---	15119726	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	104.5	Pn	09:50:15.134	0.3	T__	---	15119727	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.93	104.5	Lg	09:50:26.198	-1.6	T__	---	15119728	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.93	104.5	Sn	09:50:29.842	-0.7	T__	---	15119729	FDSN	RO	--	BUD	iLoc	BHN	???	_
SURR	1.21	185.4	Pg	09:50:19.633	1.3	T__	---	15119730	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	185.4	Pg	09:50:19.633	1.3	T__	---	15119731	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.21	185.4	Sn	09:50:36.514	0.4	T__	---	15119732	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.41	198.8	Pg	09:50:23.124	0.8	T__	---	15119733	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.41	198.8	Sn	09:50:41.547	0.2	T__	---	15119734	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.42	199.4	Pg	09:50:22.664	0.2	T__	---	15119735	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.42	199.4	Pg	09:50:22.664	0.2	T__	---	15119736	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.42	199.4	Sn	09:50:41.879	0.4	T__	---	15119737	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	167.5	Pg	09:50:25.852	0.4	T__	---	15119738	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	167.5	Pg	09:50:25.852	0.4	T__	---	15119739	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	167.5	Sn	09:50:46.740	0.2	T__	---	15119740	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
2018/04/20	08:17:37.43	1.58	0.50	48.5816	20.7531	9.8	7.3	21	0.0S		8	5	186	0.20	1.28	m	kx	BUD	15119741	iLoc		276
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	5	BUD	15119741

Sta	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	241.1	Pg	08:17:41.794	0.1				T__							15119743	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	241.1	Lg	08:17:45.407	0.4				T__							15119744	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.43	131.2	Pg	08:17:46.264	0.0				T__							15119745	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.88	221.2	Pg	08:17:55.943	0.0				T__							15119746	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	221.2	Lg	08:18:09.503	-0.0				T__							15119747	FDSN	GE	--	BUD	iLoc	BHZ	???	_
LANS	1.02	304.3	Pg	08:17:57.566	0.1				T__							15119748	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.28	266.8	Pn	08:18:02.029	0.3				T__							15119749	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.8	Sn	08:18:19.946	-1.0				T__							15119750	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
2018/04/20	08:58:49.06	1.58	0.47	46.2099	18.2648	13.5	5.3	162	0.0S		5	3	163	0.17	1.06	m	kx	BUD	15119751	iLoc		298
2018/04/20	08:58:49.15f		0.63	46.1765	18.2926f				0.0S		5		155	0.16	1.09	m	kx	BUD_GT	15135256	BUD		310
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Komló-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.0	0.5	2	BUD	15135256

Sta	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	08:58:53.300	0.3				T__			45.1			_c_ MLv	15137642	FDSN	HU	--	BUD	BUD	BH	BHZ	_
KOVH	0.16	236.7	Lg	08:58:55.863	-0.2				T__							15137643	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.25	80.7	Pg	08:58:55.112	0.5				T__			5.4			MLv	15137644	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_

MORH	0.25	80.7	Lg	08:58:59.097	0.1	T__	---	15137645	FDSN	HU	--	BUD	BUD	BHZ	???	_
BEHE	1.09	286.2	Lg	08:59:26.467	-1.3	T__	---	15137646	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
2018/04/20	12:21:34.51	1.48	0.43	47.9424	19.5539	19.3	6.9	0	0.0A	4	3	153	0.23	1.13	m	ke	BUD	15119766	iLoc		289	

Magnitude	Err	Nsta	Author	OrigID
MLv	1.3	0.0	1 BUD	15119766

Sta	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	95.9	Pg	12:21:40.154	0.2				T__		13.1	26.1		---	MLv	1.4	15119768	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.23	95.9	Lg	12:21:43.818	-0.3				T__					---		15119769	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
A269A	0.85	249.4	Lg	12:22:04.063	-0.1				T__					---		15119770	FDSN	Z3	00	BUD	iLoc	HNN	???	_	
A332A	1.13	320.3	Sn	12:22:13.687	-0.0				T__					---		15119771	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	
2018/04/20	12:48:17.13	0.15	0.36	45.6543	22.4144	1.3	1.0	71	3.0A	16	32	10	69	0.23	1.86	a	ke	BUC	15105014	ISC		360	
2018/04/20	12:48:16.68	1.10	0.72	45.6642	22.3989	4.9	3.0	51	4.8F	9.5	32	10	69	0.21	1.88	m	ke	BUD	15119776	iLoc		86	

Magnitude	Err	Nsta	Author	OrigID
ml	1.5		BUC	15105014
M	1.5		4 BUD	15119776

Sta	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	0.21	295.2	Pg	12:48:21.079	0.1				T__					---		15119778	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.21	295.2	Pg	12:48:21.079	0.1				T__					---		15119779	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.21	295.2	Lg	12:48:24.534	0.3				T__					---		15119780	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.38	135.4	Pg	12:48:23.816	-0.4				T__					---		15119781	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.38	135.4	Pg	12:48:24.083	-0.1				T__					---		15119782	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.38	135.4	Pg	12:48:24.083	-0.1				T__				0.1	---		15119783	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.38	135.4	Lg	12:48:29.058	-0.7				T__					---		15119784	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	0.38	135.4	Lg	12:48:29.169	-0.6				T__				0.1	---		15119785	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.55	265.3	Lg	12:48:35.334	-0.3				T__					---		15119786	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.55	265.3	Lg	12:48:35.334	-0.3				T__					---		15119787	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	0.78	179.1	Pg	12:48:31.811	0.1				T__					---		15119788	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	0.78	179.1	Pg	12:48:31.811	0.1				T__					---		15119789	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	0.78	179.1	Lg	12:48:42.324	-0.3				T__					---		15119790	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	319.8	Pn	12:48:33.892	0.5				T__					---		15119791	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.79	319.8	Lg	12:48:44.783	-0.0				T__					---		15119792	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.79	319.8	Pg	12:48:32.819	0.0				T__					---		15119793	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	319.8	Pg	12:48:32.819	0.0				T__					---		15119794	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.79	319.8	Lg	12:48:43.656	-1.2				T__					---		15119795	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.99	102.3	Pg	12:48:35.375	-0.3				T__					---		15119796	FDSN	RO	--	BUD	iLoc	BHZ	???	_
MDVR	1.01	209.0	Lg	12:48:50.994	0.1				T__					---		15119797	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.01	209.0	Lg	12:48:50.994	0.1				T__					---		15119798	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.13	26.0	Pg	12:48:39.700	0.7				T__					---		15119799	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.13	26.0	Pg	12:48:39.700	0.7				T__					---		15119800	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.13	26.0	Sn	12:48:54.561	-1.3				T__					---		15119801	FDSN	IR	--	ISC	iLoc	???	???	_

DRGR	1.15	10.8	Pg	12:48:39.751	0.3	T__	---	15119802	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.15	10.8	Pg	12:48:39.751	0.3	T__	---	15119803	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.15	10.8	Sn	12:48:55.145	-1.0	T__	---	15119804	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.15	10.8	Pg	12:48:39.625	0.2	T__	---	15119805	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.15	10.8	Sn	12:48:54.052	-2.1	T__	---	15119806	FDSN	RO	--	BUD	iLoc	BHE	???	_
VOIR	1.88	96.0	Pn	12:48:50.412	1.2	T__	---	15119807	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.88	96.0	Pn	12:48:50.412	1.2	T__	---	15119808	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.88	96.0	Sn	12:49:15.050	0.3	T__	---	15119809	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
2018/04/21	07:57:59.87	1.02	0.79	47.3556	18.2337	4.9	3.6	117	5.1F	5.7	26	14	89	0.02	1.55	m	ke BUD	15119810	iLoc			107

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

Magnitude	Err	Nsta	Author	OrigID
M	2.0	10	BUD	15119810

Sta	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	67.4	Pg	07:58:01.233	0.1					T__						15119812	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.02	67.4	Lg	07:58:01.616	-0.6					T__						15119813	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A268A	0.22	289.9	Pg	07:58:04.808	0.2					T__						15119814	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.22	289.9	Lg	07:58:07.629	-0.6					T__						15119815	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.30	19.5	Pg	07:58:06.319	0.2					T__						15119816	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.30	19.5	Lg	07:58:11.045	0.3					T__						15119817	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.51	248.8	Pg	07:58:10.750	0.6					T__						15119818	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.51	248.8	Lg	07:58:17.681	-0.0					T__						15119819	FDSN	HU	--	BUD	iLoc	BHN	???	_
BUD	0.55	76.3	Lg	07:58:19.164	-0.8					T__						15119820	FDSN	HU	--	BUD	iLoc	BHN	???	_
A338A	0.66	6.9	Pg	07:58:13.768	0.5					T__						15119821	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.66	6.9	Sn	07:58:25.494	-0.7					T__						15119822	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A336A	1.02	30.2	Pg	07:58:20.306	0.1					T__						15119823	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.02	30.2	Sn	07:58:32.944	-1.8					T__						15119824	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	1.09	3.6	Pg	07:58:21.730	0.2					T__						15119825	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.09	3.6	Lg	07:58:37.697	0.9					T__						15119826	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.17	166.0	Pn	07:58:22.302	0.6					T__						15119827	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.17	166.0	Sn	07:58:37.554	-1.2					T__						15119828	FDSN	HU	--	BUD	iLoc	BHN	???	_
MODS	1.20	328.0	Pg	07:58:23.117	-0.6					T__						15119829	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.20	328.0	Lg	07:58:39.351	-1.0					T__						15119830	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.21	19.4	Pg	07:58:23.676	-0.3					T__						15119831	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.21	19.4	Lg	07:58:40.045	-0.7					T__						15119832	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.26	62.8	Pn	07:58:24.295	1.1					T__						15119833	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.26	62.8	Sn	07:58:41.721	0.5					T__						15119834	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOVH	1.27	184.2	Pg	07:58:25.692	0.4					T__						15119835	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.27	184.2	Lg	07:58:42.091	-0.9					T__						15119836	FDSN	HU	--	BUD	iLoc	BHE	???	_
JAVC	1.55	346.1	Pn	07:58:28.253	0.9					T__						15119837	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	
2018/04/23	08:43:55.33	1.09	0.63	48.5732	20.7491	6.1	4.4	155	0.0S		12	7	91	0.20	1.27	m	kx BUD	15119838	iLoc				166

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

Magnitude Err Nsta Author OrigID
M 1.5 7 BUD 15119838

Sta	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	242.9	Pg	08:43:59.973	0.5					T__						15119840	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	242.9	Lg	08:44:03.867	1.2					T__						15119841	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.43	130.1	Pg	08:44:04.550	0.5					T__						15119842	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	130.1	Lg	08:44:11.156	-0.3					T__						15119843	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.58	54.8	Pg	08:44:07.155	0.8					T__						15119844	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	221.4	Pg	08:44:13.482	-0.2					T__						15119845	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	221.4	Lg	08:44:27.609	0.5					T__						15119846	FDSN	GE	--	BUD	iLoc	BHE	???	_
STHS	0.90	20.9	Pn	08:44:14.063	-0.7					T__						15119847	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.90	20.9	Lg	08:44:25.842	0.1					T__						15119848	FDSN	SK	--	BUD	iLoc	EHE	???	_
LANS	1.02	304.8	Pg	08:44:15.717	0.3					T__						15119849	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.27	267.1	Pg	08:44:20.681	-0.0					T__						15119850	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	267.1	Sn	08:44:38.273	-0.5					T__						15119851	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
2018/04/23	09:35:39.20	0.29	0.35	47.5251	16.3692	2.0	1.2	140	0.0F	0.0	14	4	0.18	0.64	a	sx	VIE	15105071	ISC			360
2018/04/23	09:35:39.14	1.12	0.54	47.5607	16.3584	6.1	4.1	140	0.0S		19	10	125	0.15	1.50	m	sx	BUD	15119852	iLoc		193

(locality : Burgruine-Landsee Austria)
(description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
mb 0.8 VIE 15105071
ml 1.4 VIE 15105071
M 1.1 6 BUD 15119852

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.15	343.2	Pg	09:35:42.410	-0.0					T__		12.6	0.10	---		15119854	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.15	343.2	Lg	09:35:44.826	-0.1					T__		41.2	0.24	---		15119855	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.18	47.7	Pg	09:35:43.525	0.3					T__				---		15119856	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.18	47.7	Lg	09:35:46.364	0.1					T__				---		15119857	FDSN	HU	--	BUD	iLoc	BHE	???	_
AO09A	0.22	302.9	Pg	09:35:43.909	0.3					T__				---		15119858	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO09A	0.22	302.9	Lg	09:35:46.774	-0.1					T__				---		15119859	FDSN	Z3	00	BUD	iLoc	HHE	???	_
AO11B	0.31	240.8	Pg	09:35:46.034	0.6					T__				---		15119860	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CONA	0.50	317.8	Pg	09:35:49.859	0.7					T__				---		15119861	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.50	317.8	Lg	09:35:56.549	-0.2					T__				---		15119862	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.50	317.8	Pg	09:35:49.140	-0.0					T__		0.5	0.16	---		15119863	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.50	317.8	Lg	09:35:57.219	0.5					T__		0.5	0.14	---		15119864	FDSN	IR	--	ISC	iLoc	???	???	_
AO12A	0.52	275.0	Pg	09:35:50.528	0.8					T__				---		15119865	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO12A	0.52	275.0	Lg	09:35:57.330	-0.3					T__				---		15119866	FDSN	Z3	00	BUD	iLoc	HH3	???	_
ARSA	0.65	241.6	Pg	09:35:51.348	-0.4					T__		0.7	0.18	---		15119867	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.65	241.6	Lg	09:35:59.968	-1.0					T__		1.1	0.22	---		15119868	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.65	241.6	Lg	09:36:01.856	0.9					T__				---		15119869	FDSN	OE	--	BUD	iLoc	BHE	???	_
MPLH	0.89	115.5	Pn	09:35:57.854	-0.2					T__				---		15119870	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MODS	1.02	36.9	Lg	09:36:15.123	0.3					T__				---		15119871	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	1.50	0.9	Sn	09:36:26.783	-0.7					T__				---		15119872	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
2018/04/24	00:53:56.31	1.51	0.62	45.7398	18.1335	15.9	4.9	115	5.0A	6	3	176	0.35	0.59	m	ke	BUD	15119873	iLoc			319

Magnitude	Err	Nsta	Author	OrigID
ML	0.8	0.2	3 BUD	15119873

Sta	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	0.35	356.2	Pg	00:54:04.025	0.4				T__		1.0	2.3		---	MLv	0.6	15119875	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
KOVH	0.35	356.2	Lg	00:54:08.651	-0.5				T__					---		15119876	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 0.6 1																									
A252A	0.36	213.5	Pg	00:54:04.215	0.3				T__		1.2	3.0		---	MLv	0.8	15119877	FDSN	Z3	--	BUD	iLoc	BHZ	BHZ	_
A252A	0.36	213.5	Lg	00:54:09.128	-0.5				T__					---		15119878	FDSN	Z3	--	BUD	iLoc	BHZ	???	_	
(Station ML : 0.8 1																									
MORH	0.59	36.6	Pg	00:54:08.583	0.3				T__		1.3	2.5		---	MLv	1.2	15119879	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.59	36.6	Lg	00:54:16.770	-0.5				T__					---		15119880	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
2018/04/24	07:57:50.88	1.11	0.97	48.5097	18.7460	7.8	3.7	31	0.0S	12	6	136	0.06	0.97	m	kx	BUD	15119894	iLoc			168

(description : known quarry blast)
(locality : Hodrusa-Hamre Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.3		6 BUD	15119894

Sta	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	104.7	Pg	07:57:53.035	0.7				T__					---		15119896	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.06	104.7	Lg	07:57:54.333	0.8				T__					---		15119897	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.28	257.2	Pg	07:57:57.166	0.4				T__					---		15119898	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.28	257.2	Lg	07:58:00.592	-0.5				T__					---		15119899	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.32	148.5	Pg	07:57:58.694	1.1				T__					---		15119900	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.32	148.5	Lg	07:58:02.078	-0.4				T__					---		15119901	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A332A	0.35	327.8	Pg	07:57:57.742	-0.2				T__					---		15119902	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.35	327.8	Lg	07:58:03.397	0.2				T__					---		15119903	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.79	296.5	Pn	07:58:08.201	-0.4				T__					---		15119904	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.79	296.5	Lg	07:58:19.627	1.0				T__					---		15119905	FDSN	CZ	--	BUD	iLoc	BHN	???	_
PSZ	0.97	127.2	Pn	07:58:10.542	-0.5				T__					---		15119906	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.97	127.2	Lg	07:58:24.231	-2.0				T__					---		15119907	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
2018/04/24	09:14:31.25	1.21	0.82	48.5587	20.7815	6.7	3.9	145	0.0S	12	7	124	0.21	1.23	m	kx	BUD	15119908	iLoc			157

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7		5 BUD	15119908

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

KECS	0.21	249.1	Pg	09:14:35.974	0.3	T__	---	15119910	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	249.1	Lg	09:14:40.097	1.0	T__	---	15119911	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.40	130.6	Pg	09:14:40.286	0.8	T__	---	15119912	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	130.6	Lg	09:14:46.326	-0.1	T__	---	15119913	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	52.4	Pg	09:14:42.826	0.7	T__	---	15119914	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	52.4	Lg	09:14:50.256	-1.3	T__	---	15119915	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.87	223.1	Pg	09:14:49.331	-0.3	T__	---	15119916	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	223.1	Lg	09:15:03.450	0.2	T__	---	15119917	FDSN	GE	--	BUD	iLoc	BHZ	???	_
STHS	0.91	19.3	Pg	09:14:48.942	0.9	T__	---	15119918	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.91	19.3	Lg	09:15:01.551	-0.3	T__	---	15119919	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	1.06	68.6	Lg	09:15:08.006	-0.4	T__	---	15119920	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.23	255.3	Sn	09:15:12.362	-1.0	T__	---	15119921	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
 2018/04/24 10:33:46.23 1.27 0.72 48.8185 21.2167 6.3 4.9 115 0.0S 10 6 115 0.18 1.26 m sx BUD 15119922 iLoc 176
 (description : suspected quarry blast)
 (locality : Trebejov Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.4 5 BUD 15119922

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CRVS	0.18	62.5	Pg	10:33:50.307	0.3					T__	---					15119924	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.18	62.5	Lg	10:33:53.208	-0.1					T__	---					15119925	FDSN	SK	--	BUD	iLoc	HHE	???	_
ABAH	0.52	178.3	Pg	10:33:57.636	0.9					T__	---					15119926	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.52	178.3	Lg	10:34:04.608	-0.9					T__	---					15119927	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	0.59	235.6	Pg	10:33:58.653	0.7					T__	---					15119928	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.59	235.6	Lg	10:34:06.032	-0.9					T__	---					15119929	FDSN	SK	--	BUD	iLoc	EHE	???	_
STHS	0.60	1.7	Pg	10:33:57.483	0.2					T__	---					15119930	FDSN	SK	--	BUD	iLoc	EHZ	???	_
NIE	0.84	315.7	Pg	10:34:02.725	0.6					T__	---					15119931	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.84	315.7	Lg	10:34:14.124	-0.2					T__	---					15119932	FDSN	PL	--	BUD	iLoc	BHN	???	_
PSZ	1.26	224.9	Sn	10:34:29.697	-0.4					T__	---					15119933	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
 2018/04/25 07:21:56.99 0.21 0.31 46.8234 22.8752 1.9 1.1 157 2.0A 16 167 0.12 2.05 a ke BUC 15105093 ISC 360
 2018/04/25 07:21:56.30 1.38 0.84 46.8571 22.8764 7.0 3.6 154 0.6F 7.6 33 10 183 0.13 2.07 m ke BUD 15119944 iLoc 196

Magnitude Err Nsta Author OrigID
 m1 1.4 BUC 15105093
 M 1.6 4 BUD 15119944

Sta	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	240.1	Pg	07:21:58.931	-0.4					T__	---					15119946	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.13	240.1	Lg	07:22:01.373	-0.5					T__	---					15119947	FDSN	RO	--	BUD	iLoc	BHN	???	_
MARR	0.25	137.3	Pg	07:22:00.781	-0.8					T__	---					15119948	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.25	137.3	Pg	07:22:00.781	-0.8					T__	---					15119949	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.25	137.3	Lg	07:22:04.664	-1.2					T__	---					15119950	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.03	235.2	Pg	07:22:16.386	-0.7					T__	---					15119951	FDSN	RO	--	BUD	iLoc	BHZ	???	_

SIRR	1.03	235.2	Lg	07:22:31.195	-1.4	T__	---	15119952	FDSN	RO	--	BUD	iLoc	BHN	???	_
ARCR	1.04	76.7	Lg	07:22:31.649	-0.1	T__	---	15119953	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.04	76.7	Lg	07:22:31.649	-0.1	T__	---	15119954	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.22	205.6	Pn	07:22:19.650	0.1	T__	---	15119955	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.22	205.6	Pn	07:22:19.650	0.1	T__	---	15119956	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.22	205.6	Lg	07:22:36.033	-1.4	T__	---	15119957	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.47	182.7	Pn	07:22:24.314	1.0	T__	---	15119958	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.47	182.7	Pn	07:22:24.314	1.0	T__	---	15119959	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.47	182.7	Pg	07:22:24.831	0.5	T__	---	15119960	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.47	182.7	Sn	07:22:44.530	0.1	T__	---	15119961	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.47	182.7	Sn	07:22:44.984	0.6	T__	---	15119962	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.51	215.2	Sn	07:22:47.277	2.2	T__	---	15119963	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.52	215.6	Sn	07:22:45.695	0.4	T__	---	15119964	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.52	215.6	Sn	07:22:45.695	0.4	T__	---	15119965	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.54	155.9	Pn	07:22:25.072	0.5	T__	---	15119967	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.54	155.9	Pn	07:22:25.072	0.5	T__	---	15119966	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.54	155.9	Sn	07:22:46.468	-0.2	T__	---	15119968	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.54	155.9	Pn	07:22:25.645	1.0	T__	---	15119969	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	1.54	155.9	Sn	07:22:47.325	0.5	T__	---	15119970	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	1.77	63.7	Pn	07:22:28.832	0.6	T__	---	15119971	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.77	63.7	Pn	07:22:28.832	0.6	T__	---	15119972	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.77	63.7	Sn	07:22:53.114	0.3	T__	---	15119973	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.77	62.7	Pn	07:22:28.699	0.4	T__	---	15119974	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	1.77	62.7	Sn	07:22:52.414	-0.5	T__	---	15119975	FDSN	RO	--	BUD	iLoc	BHN	???	_
VOIR	2.07	132.4	Pn	07:22:33.240	0.9	T__	---	15119976	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.07	132.4	Pn	07:22:33.240	0.9	T__	---	15119977	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.07	132.4	Sn	07:23:00.061	-0.4	T__	---	15119978	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
2018/04/25	07:31:01.20	1.27	0.75	48.5703	20.7686	9.2	4.8	157	0.0S		8	4	168	0.21	0.88	m	kx BUD	15119934	iLoc			245
(locality : Slavec Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4	4	BUD	15119934

Sta	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	245.3	Pg	07:31:05.587	0.0					T__	---					15119936	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	245.3	Lg	07:31:08.993	0.1					T__	---					15119937	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	131.0	Pg	07:31:10.593	0.9					T__	---					15119938	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.42	131.0	Lg	07:31:15.773	-1.1					T__	---					15119939	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.57	53.8	Pg	07:31:12.667	0.6					T__	---					15119940	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	53.8	Lg	07:31:20.844	-0.6					T__	---					15119941	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	222.2	Pn	07:31:19.805	-0.3					T__	---					15119942	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	222.2	Lg	07:31:33.410	0.2					T__	---					15119943	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	
2018/04/25	11:19:10.80	1.26	1.61	48.1805	21.2117	8.7	4.0	157	0.0S		19	12	188	0.12	6.17	m	kx BUD	15120073	iLoc				211

2018/04/25 11:19:11.26f 1.71 48.2470 21.2460f 0.0S 19 181 0.05 6.15 m kx BUD_GT 15136935 BUD 206
 (GT info : GT2 explosion)
 (locality : Táallya Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 2.4 6 BUD 15136935

Sta	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	11:19:11.622	-1.2					T__						15137647	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	11:19:13.399	-0.9					T__						15137648	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Pg	11:19:21.385	-1.1					T__						15137649	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	11:19:29.753	-1.3					T__						15137650	FDSN	SK	--	BUD	BUD	EHN	???	_
CRVS	0.67	12.2	Lg	11:19:37.729	2.5					T__						15137651	FDSN	SK	--	BUD	BUD	HHE	???	_
HOLU	0.81	69.3	Pg	11:19:27.331	0.5					T__						15137652	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	11:19:40.362	-0.2					T__						15137653	FDSN	UA	--	BUD	BUD	MHZ	???	_
PSZ	0.96	250.6	Pn	11:19:29.685	-1.8					T__						15137654	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	11:19:41.901	-4.6					T__						15137655	FDSN	GE	--	BUD	BUD	BHE	???	_
KOLS	0.97	44.4	Pg	11:19:30.290	0.6					T__						15137656	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	11:19:45.450	0.0					T__						15137657	FDSN	SK	--	BUD	BUD	HHE	???	_
STHS	1.17	359.9	Pn	11:19:37.039	2.5					T__						15137658	FDSN	SK	--	BUD	BUD	EHZ	???	_
STHS	1.17	359.9	Sn	11:19:52.230	-0.8					T__						15137659	FDSN	SK	--	BUD	BUD	EHE	???	_
NIE	1.33	332.6	Pn	11:19:37.771	1.2					T__						15137660	FDSN	PL	--	BUD	BUD	BHZ	???	_
A336A	1.50	270.3	Sn	11:20:00.657	0.1					T__						15137661	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	1.63	279.6	Sn	11:20:02.766	-1.2					T__						15137662	FDSN	SK	--	BUD	BUD	HHN	???	_
A332A	1.93	287.8	Pn	11:19:45.581	0.7					T__						15137663	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A332A	1.93	287.8	Sn	11:20:09.683	-1.9					T__						15137664	FDSN	Z3	00	BUD	BUD	HHE	???	_
CLL	6.15	302.9	Pg	11:21:08.000	2.2					T__						15137665	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
 2018/04/25 11:51:19.31 1.28 0.59 48.6289 20.0797 9.1 6.6 144 0.0S 8 5 142 0.31 1.10 m sx BUD 15120000 iLoc 217
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 5 BUD 15120000

Sta	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	0.31	118.3	Pg	11:51:24.860	-0.7					T__						15120002	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.72	189.9	Pg	11:51:34.707	0.1					T__						15120003	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.72	189.9	Lg	11:51:46.157	0.2					T__						15120004	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	0.82	241.6	Pg	11:51:34.950	-0.9					T__						15120005	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.82	241.6	Sn	11:51:50.592	-0.2					T__						15120006	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	0.84	261.2	Pn	11:51:37.989	0.6					T__						15120007	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.84	261.2	Sn	11:51:51.323	-0.1					T__						15120008	FDSN	SK	--	BUD	iLoc	HHN	???	_
STHS	1.10	43.7	Pg	11:51:39.414	-0.2					T__						15120009	FDSN	SK	--	BUD	iLoc	EHZ	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2018/04/25 13:00:23.29 0.42 0.16 47.5841 16.5523 3.0 1.2 136 0.0F 0.0 8 4 0.21 0.77 a sx VIE 15105143 ISC 360

2018/04/25 13:00:23.26 1.37 0.97 47.6083 16.5645 7.2 6.1 77 0.0A 10 6 126 0.08 4.67 m ke BUD 15120010 iLoc 230

Magnitude	Err	Nsta	Author	OrigID
mb	1.2		VIE	15105143
ml	1.0		VIE	15105143
M	1.7	2	BUD	15120010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SOP	0.08	356.8	Pg	13:00:25.218	0.0					T__						15120012	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.08	356.8	Lg	13:00:26.411	-0.3					T__						15120013	FDSN	HU	--	BUD	iLoc	BHN	???	_
RONA	0.20	296.9	Pg	13:00:27.583	-0.1					T__		1.0	0.08			15120014	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.20	296.9	Lg	13:00:30.341	-0.7					T__		2.4	0.14			15120015	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.57	304.3	Lg	13:00:42.840	-0.5					T__						15120016	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.57	304.3	Lg	13:00:42.511	-0.8					T__		1.5	0.40			15120017	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.79	243.5	Lg	13:00:48.768	-1.2					T__		0.6	0.18			15120018	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.79	123.1	Pg	13:00:39.005	-0.3					T__						15120019	FDSN	HU	--	BUD	iLoc	BHZ	???	_
IMOL	4.67	227.7	Sn	13:02:30.660	1.3					T__						15120020	FDSN	IR	--	ISC	iLoc	???	???	_
IMOL	4.67	227.7	Sn	13:02:30.660	1.3					T__						15120021	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
2018/04/26	07:17:51.58	1.25	1.29	47.3445	18.2909	8.3	5.5	89	0.0S		9	6	150	0.03	1.26	m	kx BUD	15120022	iLoc			168
(description : known quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.9	4	BUD	15120022

Sta	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	312.4	Pg	07:17:52.640	-0.2					T__						15120024	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.03	312.4	Lg	07:17:54.664	0.6					T__						15120025	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.30	11.9	Lg	07:18:02.589	-0.4					T__						15120026	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A260A	1.08	267.3	Pg	07:18:14.252	1.0					T__						15120027	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.15	167.7	Pg	07:18:15.379	0.8					T__						15120028	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.15	167.7	Sn	07:18:29.911	-1.6					T__						15120029	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.21	17.5	Pg	07:18:17.300	1.5					T__						15120030	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.21	17.5	Sn	07:18:31.162	-1.6					T__						15120031	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.26	186.0	Sn	07:18:33.812	-0.6					T__						15120032	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
2018/04/26	07:54:32.82	1.71	0.96	48.0396	20.6841	11.4	5.6	153	0.0S		6	3	202	0.45	0.54	m	kx BUD	15120033	iLoc			288
2018/04/26	07:54:33.16f		0.84	48.0750	20.6990f				0.0S		6		195	0.42	0.56	m	kx BUD_GT	15136938	BUD			282
(GT info : GT2 explosion)																						
(locality : Miskolc-Mexikóvölgy Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	15120033
ML	1.5	0.0	3 BUD	15136938

Sta	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	0.42	58.4	Pg	07:54:42.803	0.9					T__		8.1		---	MLv	15137666	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.42	58.4	Lg	07:54:48.707	-0.5					T__				---		15137667	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.43	340.8	Pg	07:54:42.702	0.8					T__		17.1		---	MLv	15137668	FDSN	SK	--	BUD	BUD	EHN	EHZ	_
KECS	0.43	340.8	Lg	07:54:48.961	0.3					T__				---		15137669	FDSN	SK	--	BUD	BUD	EHN	???	_
PSZ	0.56	254.1	Pg	07:54:44.941	-0.4					T__		4.3		---	MLv	15137670	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.56	254.1	Lg	07:54:52.880	-1.5					T__				---		15137671	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
 2018/04/26 08:09:25.81 1.22 0.73 48.4434 19.1421 9.0 4.2 42 0.0S 17 9 173 0.21 1.70 m kx BUD 15120054 iLoc 242
 (locality : Hanisberg Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.9 6 BUD 15120054

Sta	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	284.1	Pg	08:09:30.795	0.6					T__				---		15120056	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.21	284.1	Lg	08:09:33.936	0.4					T__				---		15120057	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.23	204.5	Pg	08:09:31.675	1.0					T__				---		15120058	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.23	204.5	Lg	08:09:33.682	-0.5					T__				---		15120059	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.54	270.7	Pg	08:09:36.687	-0.0					T__				---		15120060	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.54	270.7	Lg	08:09:43.472	-1.2					T__				---		15120061	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A332A	0.58	309.0	Lg	08:09:46.231	0.4					T__				---		15120062	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.73	135.9	Pg	08:09:41.516	0.3					T__				---		15120063	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.73	135.9	Lg	08:09:51.392	-1.3					T__				---		15120064	FDSN	GE	--	BUD	iLoc	BHN	???	_
A334A	0.99	279.9	Pg	08:09:45.085	-0.4					T__				---		15120065	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	1.06	293.6	Pn	08:09:47.949	0.7					T__				---		15120066	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.06	293.6	Sn	08:10:03.805	0.2					T__				---		15120067	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.06	293.6	Pg	08:09:46.900	-0.1					T__				---		15120068	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.06	293.6	Lg	08:10:01.600	-0.8					T__				---		15120069	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	1.24	267.4	Pg	08:09:50.364	-0.3					T__				---		15120070	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.24	267.4	Sn	08:10:07.245	-0.7					T__				---		15120071	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MORC	1.70	322.4	Sn	08:10:19.192	-0.3					T__				---		15120072	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
 2018/04/26 08:27:25.06 0.21 0.21 46.8790 22.9031 3.0 1.0 123 5.4F 2.3 12 130 0.16 2.07 a ke BUC 15105167 ISC 360
 2018/04/26 08:27:24.63 1.17 0.85 46.8850 22.8840 9.2 3.5 127 4.8F 9.6 24 9 135 0.15 2.09 m ke BUD 15120140 iLoc 190

Magnitude Err Nsta Author OrigID
 ml 1.5 BUC 15105167

Sta	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	231.9	Pg	08:27:28.002	-0.1					T__				---		15120142	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.15	231.9	Lg	08:27:30.343	-0.7					T__				---		15120143	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.15	231.9	Lg	08:27:30.860	-0.2					T__				---		15120144	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.27	9.6	Lg	08:27:34.385	-0.4					T__				---		15120145	FDSN	IR	--	ISC	iLoc	???	???	_

MESR	0.27	9.6	Lg	08:27:34.385	-0.4	T__	---	15120146	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	234.1	Sn	08:27:59.961	-1.4	T__	---	15120147	FDSN	RO	--	BUD	iLoc	BHE	???	_
SURR	1.25	205.2	Pg	08:27:48.963	0.1	T__	---	15120148	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.25	205.2	Pg	08:27:48.963	0.1	T__	---	15120149	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.25	205.2	Lg	08:28:06.571	-0.8	T__	---	15120150	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.49	182.9	Pn	08:27:52.381	0.9	T__	---	15120151	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.49	182.9	Pn	08:27:52.381	0.9	T__	---	15120152	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.49	182.9	Sn	08:28:12.837	0.3	T__	---	15120153	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.49	182.9	Lg	08:28:14.007	-1.1	T__	---	15120154	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.53	214.7	Lg	08:28:14.872	-1.9	T__	---	15120155	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.54	215.2	Sn	08:28:14.427	1.0	T__	---	15120156	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.54	215.2	Sn	08:28:14.427	1.0	T__	---	15120157	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	156.5	Sn	08:28:15.355	0.7	T__	---	15120158	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.56	156.5	Sn	08:28:15.355	0.7	T__	---	15120159	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.75	64.5	Sn	08:28:19.541	-0.3	T__	---	15120160	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.75	64.5	Sn	08:28:19.541	-0.3	T__	---	15120161	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.75	63.4	Pg	08:27:58.180	-0.4	T__	---	15120162	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	1.75	63.4	Sn	08:28:20.826	0.9	T__	---	15120163	FDSN	RO	--	BUD	iLoc	BHE	???	_
VOIR	2.09	133.1	Sn	08:28:27.784	-0.5	T__	---	15120164	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.09	133.1	Sn	08:28:27.784	-0.5	T__	---	15120165	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
2018/04/26	09:44:13.71	1.36	0.62	47.2227	18.2663	8.5	5.4	82	0.0S		7	4	166	0.14	1.14	m	kx	BUD	15120094	iLoc		261
2018/04/26	09:44:13.75f		0.53	47.2302	18.2835f				0.0S		7		172	0.13	1.15	m	kx	BUD_GT	15135279	BUD		262
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	3	BUD	15135279

Sta	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	09:44:17.527	0.5					T__						15137672	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	09:44:19.604	-0.2					T__						15137673	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	09:44:24.209	-0.2					T__						15137674	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	09:44:32.207	-0.1					T__						15137675	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Pg	09:44:35.184	0.6					T__						15137676	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.04	166.1	Lg	09:44:49.587	-0.7					T__						15137677	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	1.15	186.4	Sn	09:44:52.910	-0.9					T__						15137678	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
2018/04/26	10:01:56.11	1.20	0.81	48.0830	16.9737	6.2	4.4	77	0.0S		14	10	101	0.14	1.25	m	sx	BUD	15120103	iLoc		181
(locality : Hainburg Austria)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.1	5	BUD	15120103

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.14	37.3	Pg	10:01:59.442	-0.1					T__						15120105	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.14	37.3	Lg	10:02:01.580	-0.7					T__						15120106	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.35	34.8	Pg	10:02:03.310	-0.4					T__						15120107	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.35	34.8	Lg	10:02:08.602	-0.8					T__						15120108	FDSN	SK	--	BUD	iLoc	HHN	???	_
A337A	0.57	73.2	Lg	10:02:16.818	0.5					T__						15120109	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A333A	0.64	7.8	Lg	10:02:18.118	-0.2					T__						15120110	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CONA	0.76	258.7	Lg	10:02:23.055	0.4					T__						15120111	FDSN	OE	--	BUD	iLoc	BHN	???	_
JAVC	0.90	30.6	Pn	10:02:16.592	1.1					T__						15120112	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
SRO	0.94	106.2	Pg	10:02:15.007	-0.0					T__						15120113	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MPLH	0.99	157.1	Pg	10:02:15.160	-0.8					T__						15120114	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.99	157.1	Lg	10:02:29.511	-1.0					T__						15120115	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	1.05	338.8	Lg	10:02:30.427	-0.6					T__						15120116	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	1.25	348.5	Pg	10:02:19.638	0.0					T__						15120117	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.25	348.5	Lg	10:02:36.432	-1.5					T__						15120118	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
 2018/04/26 11:24:18.52 1.44 0.67 48.3373 19.8656 7.3 5.9 176 0.0S 6 3 147 0.42 0.70 m kx BUD 15120119 iLoc 254
 (description : known quarry blast)
 (locality : Husina Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.8 0.4 3 BUD 15120119

Sta	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	177.4	Pg	11:24:27.895	0.2					T__	7.9	20.4			MLv 1.8	15120121	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.42	177.4	Lg	11:24:34.525	-0.1					T__						15120122	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.8 1																										
KECS	0.44	70.3	Pg	11:24:27.861	0.5					T__	11.5	34.3			MLv 2.1	15120123	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.44	70.3	Lg	11:24:33.401	-0.7					T__						15120124	FDSN	SK	--	BUD	iLoc	EHE	???	_		
(Station ML : 2.1 1																										
VYHS	0.70	283.3	Pg	11:24:33.083	0.4					T__	2.0	0.9			MLv 0.9	15120125	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_		
VYHS	0.70	283.3	Lg	11:24:42.505	-0.6					T__						15120126	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
 2018/04/26 11:45:27.54 1.33 0.62 48.3197 19.8591 5.9 4.6 166 0.0S 10 7 90 0.40 1.43 m kx BUD 15120166 iLoc 170
 (locality : Husina Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15120166

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.40	176.6	Pg	11:45:36.518	0.1					T__						15120168	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.40	176.6	Lg	11:45:43.094	-0.0					T__						15120169	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.45	68.4	Pg	11:45:36.599	-0.0					T__						15120170	FDSN	SK	--	BUD	iLoc	EHE	???	_
A336A	0.58	261.8	Pg	11:45:40.133	0.8					T__						15120171	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.58	261.8	Lg	11:45:47.202	-0.7					T__						15120172	FDSN	Z3	00	BUD	iLoc	HH3	???	_

VYHS	0.70	284.7	Pg	11:45:41.660	-0.0	T__	---	15120173	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.70	284.7	Lg	11:45:51.626	-0.5	T__	---	15120174	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	0.92	91.0	Lg	11:46:00.267	-0.6	T__	---	15120175	FDSN	HU	--	BUD	iLoc	HHE	???	_
NIE	1.14	15.1	Lg	11:46:05.020	-0.4	T__	---	15120176	FDSN	PL	--	BUD	iLoc	BHE	???	_
STHS	1.43	39.3	Lg	11:46:16.187	0.8	T__	---	15120177	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
2018/04/27	08:03:23.98	1.72	0.81	47.1226	19.1557	10.1	4.6	106	8.1F	9.4	14	10	169	0.37	1.39	m	ke	BUD	15120178	iLoc		206

Magnitude	Err	Nsta	Author	OrigID
M	1.9	4	BUD	15120178

Sta	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	0.37	346.1	Lg	08:03:37.578	-0.4					T__						15120180	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A267A	0.49	249.3	Pg	08:03:33.929	-0.1					T__						15120181	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.49	249.3	Lg	08:03:41.028	-0.5					T__						15120182	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.73	352.7	Lg	08:03:49.183	-0.3					T__						15120183	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.74	314.8	Pn	08:03:40.112	0.8					T__						15120184	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.74	314.8	Lg	08:03:48.205	-1.3					T__						15120185	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.94	31.9	Pn	08:03:42.624	0.2					T__						15120186	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.94	31.9	Sn	08:03:56.909	0.0					T__						15120187	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	0.97	201.4	Pn	08:03:43.333	0.8					T__						15120188	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.97	201.4	Lg	08:03:55.859	-1.5					T__						15120189	FDSN	HU	--	BUD	iLoc	BHE	???	_
MPLH	1.10	273.1	Sn	08:04:00.596	-0.0					T__						15120190	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	1.12	354.6	Sn	08:04:00.208	-0.3					T__						15120191	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KOVH	1.27	215.5	Sn	08:04:05.215	0.6					T__						15120192	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.39	351.2	Sn	08:04:07.792	0.4					T__						15120193	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
2018/04/27	08:20:55.79	1.69	0.40	45.5596	17.5326	16.4	5.4	118	12.3F	24.7	8	4	198	0.25	1.02	m	ke	BUD	15120209	iLoc		277

Magnitude	Err	Nsta	Author	OrigID
M	1.4	4	BUD	15120209

Sta	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	0.25	119.1	Pg	08:21:01.487	-0.1					T__						15120211	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.25	119.1	Lg	08:21:06.009	0.1					T__						15120212	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.66	36.7	Pg	08:21:09.225	-0.1					T__						15120213	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.66	36.7	Lg	08:21:19.403	0.5					T__						15120214	FDSN	HU	--	BUD	iLoc	BHN	???	_
BLY	0.81	198.0	Pg	08:21:11.515	-0.2					T__						15120215	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.81	198.0	Lg	08:21:23.211	0.2					T__						15120216	FDSN	MN	--	BUD	iLoc	BHE	???	_
MORH	1.02	49.4	Pn	08:21:14.925	0.1					T__						15120217	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.02	49.4	Lg	08:21:29.785	-0.6					T__						15120218	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
2018/04/27	08:54:29.57	1.77	1.35	45.8774	18.3546	11.2	7.1	131	0.0S		5	3	188	0.28	0.57	m	sx	BUD	15120194	iLoc		289

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

Magnitude Err Nsta Author OrigID
MLv 1.4 0.4 2 BUD 15120194

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.28	320.0	Pg	08:54:36.624	0.9					T__	19.4	42.2		---	MLv 1.7	15120196	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.28	320.0	Lg	08:54:39.417	-1.1					T__				---		15120197	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.39	30.7	Pg	08:54:38.511	0.5					T__	7.1	5.1		---	MLv 1.1	15120198	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.39	30.7	Lg	08:54:43.661	-0.8					T__				---		15120199	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.57	219.0	Lg	08:54:49.319	-0.8					T__				---		15120200	FDSN	Z3	--	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
2018/04/27	09:13:37.32	1.14	1.23	48.6741	21.4685	8.4	4.7	154	18.3F	10.9	12	8	98	0.23	1.76	m	ke	BUD	15120251	iLoc		138

Magnitude Err Nsta Author OrigID
M 1.8 7 BUD 15120251

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.23	358.8	Pg	09:13:43.338	0.6					T__				---		15120253	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.23	358.8	Lg	09:13:47.416	0.1					T__				---		15120254	FDSN	SK	--	BUD	iLoc	HHE	???	_
ABAH	0.41	202.0	Pg	09:13:46.126	0.2					T__				---		15120255	FDSN	HU	--	BUD	iLoc	HHZ	???	_
KOLS	0.59	63.7	Pg	09:13:48.902	0.0					T__				---		15120256	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.59	63.7	Lg	09:13:55.894	-2.8					T__				---		15120257	FDSN	SK	--	BUD	iLoc	HHN	???	_
HOLU	0.63	103.3	Pg	09:13:50.195	0.7					T__				---		15120258	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KECS	0.68	254.1	Pg	09:13:51.100	0.1					T__				---		15120259	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.68	254.1	Lg	09:14:00.870	-0.3					T__				---		15120260	FDSN	SK	--	BUD	iLoc	EHN	???	_
STHS	0.76	348.8	Pn	09:13:53.093	0.3					T__				---		15120261	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PSZ	1.29	234.9	Pg	09:14:03.485	-0.5					T__				---		15120262	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.29	234.9	Sn	09:14:19.929	1.4					T__				---		15120263	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.76	265.1	Pg	09:14:10.873	-1.0					T__				---		15120264	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MORI	6.25	221.8	Lg	09:16:51.750	-10.8					---				---		15120265	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
2018/04/27	09:33:01.23	1.73	0.12	46.1259	18.0808	10.9	6.8	86	0.0S		5	3	180	0.04	1.11	m	sx	BUD	15120219	iLoc		276

(locality : Velika Croatia)

(description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
MLv 1.4 0.7 2 BUD 15120219

Sta	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	160.5	Pg	09:33:02.758	0.1					T__	92.6	169.8		---	MLv 1.6	15120221	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.04	160.5	Lg	09:33:03.989	-0.1					T__				---		15120222	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.40	76.9	Pg	09:33:09.825	0.1					T__	3.1	1.6		---	MLv 0.6	15120223	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.40	76.9	Lg	09:33:16.228	-0.1					T__				---		15120224	FDSN	HU	--	BUD	iLoc	BHN	???	_
MPLH	1.11	340.6	Lg	09:33:40.140	-0.1					T__				---		15120225	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
 2018/05/02 06:23:55.87 1.04 0.78 48.4173 17.2142 7.1 4.3 110 0.0S 14 10 78 0.06 1.55 m kx BUD 15120234 iLoc 140
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
 (description : known quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 M 1.7 6 BUD 15120234

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.06	136.7	Pg	06:23:58.627	0.9					T__				_c_	15120236	FDSN	SK	--	BUD	iLoc	HH	???	_	
MODS	0.06	136.7	Lg	06:24:00.050	0.7					T__				---	15120237	FDSN	SK	--	BUD	iLoc	HHE	???	_	
ZST	0.23	198.7	Pg	06:24:01.874	0.8					T__				---	15120238	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
ZST	0.23	198.7	Lg	06:24:05.686	0.7					T__				---	15120239	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A334A	0.36	58.4	Pg	06:24:03.685	0.3					T__				---	15120240	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A001A	0.52	307.2	Pg	06:24:10.841	4.7					---				---	15120241	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
JAVC	0.54	34.2	Pg	06:24:07.561	0.7					T__				---	15120242	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
JAVC	0.54	34.2	Lg	06:24:16.150	1.1					T__				---	15120243	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
A339A	0.66	153.1	Lg	06:24:18.288	-0.9					T__				---	15120244	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A335A	0.75	87.3	Pg	06:24:11.142	0.2					T__				---	15120245	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
KRUC	0.84	320.3	Pn	06:24:13.015	-1.0					T__				---	15120246	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
KRUC	0.84	320.3	Sn	06:24:27.987	-0.1					T__				---	15120247	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
CONA	1.03	242.1	Sn	06:24:32.661	-0.5					T__				---	15120248	FDSN	OE	--	BUD	iLoc	BHN	???	_	
VYHS	1.08	85.3	Lg	06:24:33.079	-0.3					T__				---	15120249	FDSN	SK	--	BUD	iLoc	HHN	???	_	
OKC	1.55	23.0	Lg	06:24:46.744	0.6					T__				---	15120250	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
 2018/05/02 09:21:27.38 1.18 0.88 48.3130 19.8738 6.7 4.9 165 0.0S 10 7 110 0.40 1.03 m kx BUD 15120266 iLoc 195
 (description : known quarry blast)
 (locality : Husina Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15120266

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.40	178.0	Pg	09:21:36.142	0.0					T__				---	15120268	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.40	178.0	Lg	09:21:42.707	0.0					T__				---	15120269	FDSN	GE	--	BUD	iLoc	BHN	???	_	
KECS	0.44	67.1	Pg	09:21:35.938	-0.4					T__				---	15120270	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KECS	0.44	67.1	Lg	09:21:43.114	-0.0					T__				---	15120271	FDSN	SK	--	BUD	iLoc	EHN	???	_	
A336A	0.59	262.6	Pg	09:21:40.040	0.7					T__				---	15120272	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A336A	0.59	262.6	Lg	09:21:48.129	0.1					T__				---	15120273	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
VYHS	0.71	285.1	Lg	09:21:51.002	-1.4					T__				---	15120274	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A270A	0.74	231.1	Lg	09:21:52.413	-1.5					T__				---	15120275	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
LANS	0.88	342.4	Pn	09:21:46.727	0.6					T__				---	15120276	FDSN	SK	--	BUD	iLoc	EHZ	???	_	
A335A	1.03	278.0	Lg	09:22:02.456	-0.7					T__				---	15120277	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
 2018/05/02 09:30:05.31 0.95 0.89 48.6322 17.5491 4.3 3.8 107 0.0S 19 12 79 0.09 1.33 m sx BUD 15120278 iLoc 105
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
 (locality : Ugod Hungary)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 6 BUD 15120278

Sta	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	0.09	108.4	Pg	09:30:07.073	-0.4					T__						15120280	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.24	19.5	Pg	09:30:10.343	-0.3					T__						15120281	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.24	19.5	Lg	09:30:15.070	0.4					T__						15120282	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A333A	0.31	286.0	Lg	09:30:18.356	2.0					T__						15120283	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MODS	0.32	215.0	Pg	09:30:11.552	-0.6					T__						15120284	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	215.0	Lg	09:30:16.761	-0.5					T__						15120285	FDSN	SK	--	BUD	iLoc	HHE	???	_
ZST	0.53	214.5	Lg	09:30:24.867	0.7					T__						15120286	FDSN	SK	--	BUD	iLoc	HHE	???	_
A335A	0.55	109.2	Pg	09:30:17.085	0.5					T__						15120287	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.55	109.2	Lg	09:30:25.750	1.0					T__						15120288	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.87	98.7	Pn	09:30:24.028	0.1					T__						15120289	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.87	98.7	Sn	09:30:36.696	-1.4					T__						15120290	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	0.88	299.9	Sn	09:30:36.696	-1.5					T__						15120291	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	0.92	317.4	Pn	09:30:24.271	-0.4					T__						15120292	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	0.92	317.4	Sn	09:30:38.616	-0.8					T__						15120293	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.15	359.8	Pg	09:30:27.314	0.1					T__						15120294	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.15	359.8	Sn	09:30:45.012	-0.2					T__						15120295	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
EGYH	1.23	186.9	Pg	09:30:29.953	0.2					T__						15120296	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CONA	1.33	238.6	Pn	09:30:31.228	0.7					T__						15120297	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.33	238.6	Sn	09:30:49.590	-0.2					T__						15120298	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
 2018/05/02 10:05:10.69 1.16 1.42 47.5347 18.6904 8.7 5.7 147 0.0S 10 7 117 0.34 1.32 m kx BUD 15120334 iLoc 175
 2018/05/02 10:05:11.62f 1.64 47.5600 18.4573f 0.0S 10 105 0.24 1.35 m kx BUD_GT 15136941 BUD 159
 (description : known quarry blast)
 (locality : Tatabánya Hungary)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 MLv 1.7 1.3 2 BUD 15136941

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.24	214.2	Pg	10:05:18.088	1.2					T__		310.7			MLv	15137679	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	10:05:22.042	1.0					T__						15137680	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.74	238.3	Sn	10:05:40.822	-0.6					T__						15137681	FDSN	HU	--	BUD	BUD	BHN	???	_
EGYH	0.78	259.7	Sn	10:05:43.564	1.1					T__						15137683	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	0.97	15.1	Pn	10:05:32.107	0.6					T__		0.6			MLv	15137684	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.97	15.1	Sn	10:05:46.330	-0.6					T__						15137685	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Pn	10:05:28.400	-4.2					T__		0.0				15137682	FDSN	IR	--	ISC	BUD	???	???	_
MODS	1.14	316.2	Pg	10:05:36.458	1.9					T__						15137686	FDSN	SK	--	BUD	BUD	HHZ	???	_

MODS	1.14	316.2	Sn	10:05:51.753	0.5	T__	---	15137687	FDSN	SK	--	BUD	BUD	HHN	???	_
MORH	1.35	174.5	Lg	10:05:57.651	-0.5	T__	---	15137688	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
2018/05/02	11:16:11.72	0.99	0.59	45.6185	17.3026	5.9	4.2	12	0.0S		15	8	93	0.42	1.31	m	sx	BUD	15120355	iLoc		164
(description : suspected quarry blast)																						
(locality : Batinjska-Rijeka Croatia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	7	BUD	15120355

Sta	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	115.3	Pg	11:16:20.998	0.4					T__						15120357	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.42	115.3	Lg	11:16:27.065	-0.3					T__						15120358	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.73	49.6	Pg	11:16:27.040	0.2					T__						15120359	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.73	49.6	Lg	11:16:37.775	-0.5					T__						15120360	FDSN	HU	--	BUD	iLoc	BHN	???	_
BLY	0.83	185.9	Pn	11:16:30.792	0.6					T__						15120361	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.83	185.9	Sn	11:16:43.502	-1.0					T__						15120362	FDSN	MN	--	BUD	iLoc	BHN	???	_
PTJ	0.98	287.7	Pg	11:16:31.014	-0.1					T__						15120363	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.98	287.7	Lg	11:16:45.557	-0.3					T__						15120364	FDSN	CR	--	BUD	iLoc	BHE	???	_
A263A	1.02	0.5	Lg	11:16:48.272	0.1					T__						15120365	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOGS	1.11	318.9	Pn	11:16:34.681	0.7					T__						15120366	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	1.11	318.9	Lg	11:16:49.670	-0.4					T__						15120367	FDSN	SL	--	BUD	iLoc	BHE	???	_
MORH	1.11	57.0	Pn	11:16:34.258	0.5					T__						15120368	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.11	57.0	Sn	11:16:49.996	-1.0					T__						15120369	FDSN	HU	--	BUD	iLoc	BHN	???	_
CRES	1.31	279.8	Pg	11:16:37.418	0.3					T__						15120370	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.31	279.8	Sn	11:16:56.188	-0.4					T__						15120371	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
2018/05/03	06:31:14.71	1.76	0.87	48.0430	20.6880	16.1	5.6	154	0.0S		5	3	201	0.45	1.40	m	kx	BUD	15120372	iLoc		294
2018/05/03	06:31:14.94f	0.71	0.71	48.0750	20.6990f				0.0S		5		195	0.42	1.37	m	kx	BUD_GT	15135296	BUD		291
(description : known quarry blast)																						
(locality : Miskolc-Mexikóvölgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.3	0.2	2	BUD	15135296

Sta	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	0.42	58.4	Pg	06:31:24.413	0.7					T__		4.9			MLv	15137689	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.42	58.4	Lg	06:31:30.758	-0.3					T__						15137690	FDSN	HU	--	BUD	BUD	HHN	???	_
PSZ	0.56	254.1	Pg	06:31:26.906	-0.2					T__		4.3			MLv	15137691	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.56	254.1	Lg	06:31:34.845	-1.3					T__						15137692	FDSN	GE	--	BUD	BUD	BHN	???	_
NIE	1.37	349.4	Sn	06:32:01.038	-0.2					T__						15137693	FDSN	PL	--	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
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2018/05/03 06:37:03.27 1.16 0.58 47.3768 18.3403 8.6 7.6 150 0.0S 7 4 120 0.06 1.18 m kx BUD 15120387 iLoc 206
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 ML 1.1 0.3 3 BUD 15120387

Sta	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	256.0	Pg	06:37:05.221	0.2					T__	38.7	1376.7		---	MLv	2.6	15120389	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.06	256.0	Lg	06:37:06.646	0.0					T__				---		15120390	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.6 1																									
VYHS	1.17	16.4	Pn	06:37:26.137	0.2					T__	2.3	0.5		---	MLv	0.9	15120391	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.17	16.4	Sn	06:37:42.982	-0.5					T__				---		15120392	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.9 1																									
MORH	1.18	169.7	Pg	06:37:27.180	0.4					T__	1.5	0.9		---	MLv	1.1	15120393	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.18	169.7	Sn	06:37:42.982	-0.8					T__				---		15120394	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.1 1																									
PSZ	1.18	62.1	Sn	06:37:43.948	-0.4					T__				---		15120395	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
 2018/05/03 08:00:03.73 1.09 0.65 48.5534 20.6777 6.2 5.4 62 0.0S 11 6 139 0.45 1.76 m kx BUD 15120409 iLoc 235
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.3 5 BUD 15120409

Sta	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	124.3	Pg	08:00:13.651	0.7					T__				---		15120411	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.45	124.3	Lg	08:00:19.809	-0.9					T__				---		15120412	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.82	219.8	Pg	08:00:21.183	0.1					T__				---		15120413	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.82	219.8	Lg	08:00:34.526	0.6					T__				---		15120414	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.90	344.6	Pn	08:00:22.455	-0.5					T__				---		15120415	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.90	344.6	Lg	08:00:34.618	1.0					T__				---		15120416	FDSN	PL	--	BUD	iLoc	BHE	???	_
VYHS	1.23	267.9	Pg	08:00:28.053	-0.1					T__				---		15120417	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.23	267.9	Sn	08:00:45.763	-0.1					T__				---		15120418	FDSN	SK	--	BUD	iLoc	HHN	???	_
A331A	1.73	291.1	Sn	08:00:58.726	0.1					T__				---		15120419	FDSN	Z3	00	BUD	iLoc	HHE	???	_
OJC	1.76	341.3	Pg	08:00:37.449	-0.3					T__				---		15120420	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.76	341.3	Sn	08:01:01.233	0.6					T__				---		15120421	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
 2018/05/03 08:43:29.61 0.27 0.23 46.9888 22.3086 2.3 1.0 135 12.9F 1.8 13 197 0.34 1.24 a ke BUC 15105257 ISC 360
 2018/05/03 08:43:28.16 1.29 1.11 47.0249 22.2702 7.6 3.6 141 0.0S 29 9 202 0.38 1.67 m sx BUD 15120422 iLoc 227
 (locality : Tetchea Romania)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 ml 1.4 BUC 15105257

M 1.7 4 BUD 15120422

Sta	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	127.5	Pg	08:43:36.976	0.9					T__						15120424	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.38	127.5	Lg	08:43:41.338	-1.3					T__						15120425	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.38	127.5	Pg	08:43:36.857	0.8					T__						15120426	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.38	127.5	Pg	08:43:36.857	0.8					T__						15120427	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.38	127.5	Lg	08:43:41.465	-1.2					T__						15120428	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	74.7	Pg	08:43:38.869	0.9					T__						15120429	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	74.7	Pg	08:43:38.869	0.9					T__						15120430	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	74.7	Lg	08:43:45.264	-0.8					T__						15120431	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.68	120.6	Pg	08:43:42.467	0.7					T__						15120432	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.68	120.6	Pg	08:43:42.467	0.7					T__						15120433	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.68	120.6	Lg	08:43:50.985	-1.8					T__						15120434	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.87	209.3	Pg	08:43:45.987	0.1					T__						15120435	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.87	209.3	Pg	08:43:45.987	0.1					T__						15120436	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.87	209.3	Lg	08:43:57.830	-1.3					T__						15120437	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.87	209.1	Pg	08:43:46.531	0.6					T__						15120438	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.87	209.1	Lg	08:43:58.095	-1.1					T__						15120439	FDSN	RO	--	BUD	iLoc	BHN	???	_
CBBR	0.91	105.8	Lg	08:43:58.781	-1.5					T__						15120440	FDSN	IR	--	ISC	iLoc	???	???	_
CBBR	0.91	105.8	Lg	08:43:58.781	-1.5					T__						15120441	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	108.4	Pg	08:43:47.787	0.7					T__						15120442	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	108.4	Pg	08:43:47.787	0.7					T__		0.1				15120443	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	108.4	Pn	08:43:48.886	0.3					T__						15120444	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.96	108.4	Lg	08:44:01.260	-0.9					T__						15120445	FDSN	RO	--	BUD	iLoc	BHN	???	_
BMR	1.06	51.6	Lg	08:44:04.294	-1.7					T__						15120446	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.06	51.6	Lg	08:44:04.294	-1.7					T__						15120447	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.28	184.6	Pn	08:43:52.955	0.7					T__						15120448	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.28	184.6	Pn	08:43:52.955	0.7					T__						15120449	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.28	184.6	Lg	08:44:09.685	-1.5					T__						15120450	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.67	167.7	Pg	08:44:01.350	1.3					T__						15120451	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.67	167.7	Sn	08:44:21.777	0.1					T__						15120452	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
2018/05/03	10:16:21.00	1.33	1.23	47.2216	18.3618	7.5	5.2	72	0.0S		8	5	128	0.16	1.15	m	kx BUD	15120453	iLoc			189
2018/05/03	10:16:21.22f		1.03	47.2302	18.2835f				0.0S		8		115	0.13	1.15	m	kx BUD_GT	15135305	BUD			166

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15135305

Sta	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	10:16:25.597	1.1					T__						15137694	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:16:28.753	1.5					T__						15137695	FDSN	HU	--	BUD	BUD	HHN	???	_
A267A	0.31	154.4	Pg	10:16:27.467	-0.5					T__						15137696	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A267A	0.31	154.4	Lg	10:16:33.245	0.1					T__						15137697	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:16:33.180	1.3					T__						15137698	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:16:39.564	-0.3					T__						15137699	FDSN	HU	--	BUD	BUD	BHN	???	_
A270A	0.79	38.7	Pg	10:16:36.199	-1.4					T__						15137700	FDSN	Z3	00	BUD	BUD	HHZ	???	_

KOVH 1.15 186.4 Sn 10:17:00.254 -1.0 T__ --- 15137701 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
2018/05/03	11:10:14.40	0.30	0.43	46.8988	22.8771	2.7	2.0	136	11.1F	2.0	10	155	0.16	1.58	a	ke BUC	15105303	ISC				360
2018/05/03	11:10:13.70	1.16	0.79	46.9100	22.8663	6.1	4.2	139	7.7F	6.8	21	8 156	0.16	1.75	m	ke BUD	15120463	iLoc				191

Magnitude	Err	Nsta	Author	OrigID
m1	1.1		BUC	15105303
M	1.2	2	BUD	15120463

Sta	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	222.0	Pg	11:10:17.658	0.2					T__						15120465	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.16	222.0	Lg	11:10:20.151	-0.5					T__						15120466	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.16	222.0	Lg	11:10:21.553	0.9					T__						15120467	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	143.4	Pg	11:10:20.135	0.2					T__						15120468	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	143.4	Pg	11:10:20.135	0.2					T__						15120469	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	143.4	Lg	11:10:24.136	-1.0					T__						15120470	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	0.88	29.1	Lg	11:10:43.962	-0.9					T__						15120471	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	0.88	29.1	Lg	11:10:43.962	-0.9					T__						15120472	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	232.6	Pg	11:10:35.668	0.9					T__						15120473	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.05	232.6	Lg	11:10:50.133	-0.8					T__						15120474	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	1.05	232.8	Pn	11:10:33.878	-0.1					T__						15120475	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	232.8	Pn	11:10:33.878	-0.1					T__						15120476	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.05	232.8	Sn	11:10:49.510	-0.4					T__						15120477	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.27	204.2	Pg	11:10:37.595	-0.7					T__						15120478	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.27	204.2	Pg	11:10:37.595	-0.7					T__						15120479	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.27	204.2	Sn	11:10:55.247	0.4					T__						15120480	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	182.4	Lg	11:11:04.051	-0.7					T__						15120481	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.59	156.4	Sn	11:11:04.541	0.7					T__						15120482	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.59	156.4	Sn	11:11:04.541	0.7					T__						15120483	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.59	156.5	Lg	11:11:07.375	-0.1					T__						15120484	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	1.75	64.3	Sn	11:11:10.082	1.7					T__						15120485	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	
2018/05/03	12:13:36.18	0.99	0.78	48.2243	21.2248	4.8	3.7	173	0.0S		19	10 107	0.07	1.75	m	kx BUD	15120486	iLoc					155
2018/05/03	12:13:36.11f		0.71	48.2470	21.2460f				0.0S		19	105	0.05	1.76	m	kx BUD_GT	15136944	BUD					153

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

Magnitude	Err	Nsta	Author	OrigID
M	2.1	7	BUD	15136944

Sta	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	12:13:38.178	0.5					T__						15137702	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	12:13:38.906	-0.2					T__						15137703	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	12:13:48.013	0.7					T__						15137704	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	12:13:55.344	-0.6					T__						15137705	FDSN	SK	--	BUD	BUD	EHN	???	_

CRVS	0.67	12.2	Pg	12:13:50.109	1.2	T__	---	15137706	FDSN	SK	--	BUD	BUD	HHZ	???	_
HOLU	0.81	69.3	Pn	12:13:53.390	-0.9	T__	---	15137707	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	12:14:06.235	0.8	T__	---	15137708	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	12:13:54.506	-0.7	T__	---	15137709	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	12:14:07.191	-0.8	T__	---	15137710	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Pn	12:13:56.345	0.0	T__	---	15137712	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Pg	12:13:56.900	0.5	T__	---	15137711	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.96	250.6	Lg	12:14:09.879	-1.5	T__	---	15137713	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	12:13:56.702	0.1	T__	---	15137714	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	12:14:10.613	0.3	T__	---	15137715	FDSN	SK	--	BUD	BUD	HHN	???	_
KOLS	0.97	44.4	Lg	12:14:10.800	0.5	T__	---	15137716	FDSN	IR	--	ISC	BUD	???	???	_
TRSU	1.16	96.9	Pn	12:13:59.991	0.8	T__	---	15137717	FDSN	UA	--	BUD	BUD	MHZ	???	_
NIE	1.33	332.6	Sn	12:14:22.049	0.4	T__	---	15137718	FDSN	PL	--	BUD	BUD	BHE	???	_
DRGR	1.76	145.2	Pg	12:14:10.415	-0.4	T__	---	15137719	FDSN	RO	--	BUD	BUD	BHZ	???	_
DRGR	1.76	145.2	Sn	12:14:31.200	-1.0	T__	---	15137720	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
2018/05/04	02:56:22.68	1.46	0.85	47.1389	19.1606	10.1	4.6	120	9.3F	14.3	12	8	168	0.50	1.37	m	ke	BUD	15120507	iLoc		208

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15120507

Sta	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	0.50	247.7	Pg	02:56:33.331	0.5					T__						15120509	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.50	247.7	Lg	02:56:40.036	-0.5					T__						15120510	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.71	352.3	Sn	02:56:49.042	-0.1					T__						15120511	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.89	289.6	Sn	02:56:54.592	0.8					T__						15120512	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.92	32.3	Pg	02:56:42.141	0.1					T__						15120513	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.92	32.3	Lg	02:56:55.271	-0.1					T__						15120514	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	0.99	201.2	Pg	02:56:42.599	0.2					T__						15120515	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.99	201.2	Sn	02:56:54.864	-1.1					T__						15120516	FDSN	HU	--	BUD	iLoc	BHN	???	_
MPLH	1.11	272.2	Sn	02:56:57.994	-1.1					T__						15120517	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.28	215.2	Pg	02:56:47.917	-0.2					T__						15120518	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.28	215.2	Sn	02:57:04.711	1.3					T__						15120519	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.37	351.0	Lg	02:57:08.324	-0.5					T__						15120520	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
2018/05/04	07:25:09.54	1.11	0.88	48.6987	18.6826	9.1	3.9	48	0.0S		15	10	167	0.18	1.31	m	kx	BUD	15120521	iLoc		187

(description : known quarry blast)

(locality : Mala-Lehota Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	5	BUD	15120521

Sta	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	306.3	Pg	07:25:13.922	0.7					T__						15120523	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.18	306.3	Lg	07:25:16.170	0.2					T__						15120524	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.23	153.5	Pg	07:25:14.921	0.6					T__						15120525	FDSN	SK	--	BUD	iLoc	HHZ	???	_

VYHS	0.23	153.5	Lg	07:25:18.840	1.0	T__	---	15120526	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.34	222.6	Lg	07:25:22.708	0.9	T__	---	15120527	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.51	155.6	Lg	07:25:28.293	0.9	T__	---	15120528	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	0.69	283.9	Pg	07:25:23.471	-0.0	T__	---	15120529	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.69	283.9	Lg	07:25:33.631	-0.1	T__	---	15120530	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A338A	0.72	198.0	Sn	07:25:37.116	-1.4	T__	---	15120531	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A270A	0.88	165.2	Lg	07:25:39.541	-1.3	T__	---	15120532	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MODS	0.99	251.3	Sn	07:25:45.285	-0.2	T__	---	15120533	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.12	133.5	Pn	07:25:31.919	0.1	T__	---	15120534	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.12	133.5	Sn	07:25:47.949	-1.2	T__	---	15120535	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORC	1.31	325.7	Pg	07:25:34.819	0.3	T__	---	15120536	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.31	325.7	Sn	07:25:52.936	-0.7	T__	---	15120537	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
2018/05/04	08:45:36.71	1.13	1.04	48.5518	20.8065	7.4	3.9	163	0.0S		15	9	106	0.22	1.31	m	kx	BUD	15120538	iLoc		142
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4	5	BUD	15120538

Sta	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	252.3	Pg	08:45:42.094	0.7					T__						15120540	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	252.3	Lg	08:45:44.809	-0.2					T__						15120541	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	252.3	Lg	08:45:46.200	1.2					T__	0.9					15120542	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.39	131.4	Lg	08:45:52.469	1.1					T__						15120543	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.56	50.8	Pg	08:45:48.814	1.4					T__						15120544	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	50.8	Lg	08:45:56.074	-0.6					T__						15120545	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	224.2	Pg	08:45:55.205	-0.0					T__						15120546	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	224.2	Lg	08:46:09.294	0.4					T__						15120547	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.04	68.0	Sn	08:46:14.375	-0.9					T__						15120548	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.07	304.6	Pg	08:45:57.893	0.2					T__						15120549	FDSN	SK	--	BUD	iLoc	EHZ	???	_
TRPA	1.23	109.4	Sn	08:46:17.700	-2.0					T__						15120550	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.23	109.4	Sn	08:46:18.604	-1.1					T__						15120551	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	1.25	255.9	Sn	08:46:19.247	0.0					T__						15120552	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.31	268.2	Pg	08:46:02.953	0.1					T__						15120553	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.31	268.2	Sn	08:46:20.001	-1.1					T__						15120554	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
2018/05/04	10:01:49.98	0.22	0.10	48.1073	16.9462	6.0	1.4	142	0.0F	0.0	10	22		0.60	0.75	a	kx	VIE	15105348	ISC		360
2018/05/04	10:01:49.24	0.96	0.77	48.1547	16.9229	7.7	3.4	152	0.0S		24	10	121	0.13	1.44	m	kx	BUD	15120555	iLoc		148
(locality : Hainburg Austria)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.5		VIE	15105348
M	1.6	7	BUD	15120555

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZST	0.13	70.9	Pg	10:01:52.724	0.3					T__						15120557	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.13	70.9	Lg	10:01:54.251	-0.6					T__						15120558	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	47.2	Pg	10:01:56.286	0.0					T__						15120559	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	47.2	Lg	10:02:00.638	-0.9					T__						15120560	FDSN	SK	--	BUD	iLoc	HHE	???	_
RONA	0.62	223.0	Pg	10:02:01.389	-0.4					T__		0.3	0.10	---		15120561	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.62	223.0	Lg	10:02:09.974	-1.0					T__		4.7	0.36	---		15120562	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	252.7	Pg	10:02:04.900	0.7					T__						15120563	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.75	252.7	Lg	10:02:15.434	0.1					T__						15120564	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.75	252.7	Pg	10:02:04.375	0.2					T__		0.2	0.14	---		15120565	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	252.7	Lg	10:02:15.042	-0.3					T__		2.3	0.28	---		15120566	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.86	34.9	Pn	10:02:09.429	1.4					T__						15120567	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.86	34.9	Sn	10:02:21.633	-0.8					T__						15120568	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.86	34.9	Pn	10:02:09.600	1.6					T__						15120569	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.86	34.9	Sn	10:02:21.900	-0.5					T__						15120570	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.97	339.1	Pn	10:02:09.300	0.1					T__						15120571	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.97	339.1	Pn	10:02:09.531	0.3					T__						15120572	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.97	339.1	Sn	10:02:23.627	-1.1					T__						15120573	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.18	349.4	Pn	10:02:12.686	0.6					T__						15120574	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.18	349.4	Sn	10:02:29.225	-0.3					T__						15120575	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.31	226.8	Pg	10:02:15.027	0.4					T__						15120576	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	226.8	Lg	10:02:33.144	-0.3					T__						15120577	FDSN	OE	--	BUD	iLoc	BHN	???	_
VYHS	1.32	74.4	Pg	10:02:15.841	0.2					T__						15120578	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	74.4	Sn	10:02:31.922	-1.3					T__						15120579	FDSN	SK	--	BUD	iLoc	HHN	???	_
A270A	1.44	101.6	Sn	10:02:35.627	-0.4					T__						15120580	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
2018/05/05	00:44:08.92	2.59	1.02	47.6084	20.3229	17.5	6.8	168	5.5F	12.8	9	5	244	0.42	1.09	m	ke BUD	15120581	iLoc			278

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15120581

Sta	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	317.2	Pg	00:44:18.495	0.4					T__						15120583	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.42	317.2	Lg	00:44:23.592	-1.4					T__						15120584	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.88	7.1	Pg	00:44:27.400	1.1					T__		0.2				15120585	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.88	7.1	Lg	00:44:39.479	0.0					T__						15120586	FDSN	SK	--	BUD	iLoc	EHN	???	_
A270A	0.91	285.5	Pg	00:44:27.743	0.3					T__						15120587	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
ABAH	0.92	41.5	Pg	00:44:26.718	-0.2					T__						15120588	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.92	41.5	Lg	00:44:40.776	-1.0					T__						15120589	FDSN	HU	--	BUD	iLoc	HHN	???	_
A336A	1.09	305.6	Pn	00:44:30.106	0.6					T__						15120590	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.09	305.6	Sn	00:44:44.830	-0.7					T__						15120591	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
2018/05/07	07:54:23.61	1.87	0.95	45.5623	18.2649	15.3	4.9	126	7.3F	10.7	11	8	203	0.32	1.78	m	ke BUD	15120592	iLoc			225

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15120592

Sta	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	0.32	246.8	Pg	07:54:30.871	0.5					T__						15120594	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.32	246.8	Lg	07:54:35.089	-0.4					T__						15120595	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.54	347.7	Pg	07:54:34.670	0.0					T__						15120596	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.54	347.7	Lg	07:54:42.045	-0.9					T__						15120597	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.71	21.9	Pg	07:54:38.652	0.9					T__						15120598	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.71	21.9	Lg	07:54:47.792	-0.5					T__						15120599	FDSN	HU	--	BUD	iLoc	BHN	???	_
A266A	0.96	360.0	Pn	07:54:41.750	-0.7					T__						15120600	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BLY	1.09	225.1	Lg	07:54:58.490	-1.3					T__						15120601	FDSN	MN	--	BUD	iLoc	BHN	???	_
A263A	1.27	328.8	Pn	07:54:46.160	-0.7					T__						15120602	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KOGS	1.66	303.0	Sn	07:55:15.351	0.9					T__						15120603	FDSN	SL	--	BUD	iLoc	BHE	???	_
A262A	1.78	317.8	Pn	07:54:54.644	0.7					T__						15120604	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
 2018/05/07 09:56:28.40 1.40 1.04 48.3942 20.6015 7.0 5.1 21 0.0S 8 4 143 0.12 1.18 m kx BUD 15120605 iLoc 265
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.3 4 BUD 15120605

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.12	319.1	Pg	09:56:30.973	-0.1					T__						15120607	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.12	319.1	Lg	09:56:32.600	-0.5					T__		0.7				15120608	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.12	319.1	Lg	09:56:33.293	0.2					T__						15120609	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.44	102.7	Pg	09:56:38.521	1.2					T__						15120610	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	102.7	Lg	09:56:42.991	-1.8					T__						15120611	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.67	225.1	Pg	09:56:42.537	-0.2					T__						15120612	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.67	225.1	Lg	09:56:53.586	0.2					T__						15120613	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.18	275.5	Pg	09:56:52.409	0.5					T__						15120614	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
 2018/05/07 09:58:43.17 1.48 1.07 48.4204 20.6025 10.9 5.6 21 0.0S 5 3 157 0.10 0.69 m kx BUD 15120615 iLoc 274
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.1 2 BUD 15120615

Sta	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	309.0	Pg	09:58:45.493	0.0					T__						15120617	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.10	309.0	Lg	09:58:47.260	-0.0					T__						15120618	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.44	106.1	Pg	09:58:53.001	0.8					T__						15120619	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	106.1	Lg	09:58:58.564	-1.2					T__						15120620	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.69	223.6	Lg	09:59:08.444	-0.3					T__						15120621	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
2018/05/07	10:03:06.88	1.57	1.03	46.1011	18.0414	10.6	5.1	133	0.0S	8	5	159	0.04	0.90	m	kx	BUD	15120622	iLoc			214
2018/05/07	10:03:06.54f		0.90	46.1254	18.0152f				0.0S	8		167	0.07	0.88	m	kx	BUD_GT	15136947	BUD			224

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

Magnitude	Err	Nsta	Author	OrigID
M	0.8	4	BUD	15136947

Sta	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	10:03:08.857	0.3					T__						15137721	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.07	122.2	Lg	10:03:09.955	-0.4					T__						15137722	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Pg	10:03:12.953	0.9					T__						15137723	FDSN	Z3	--	BUD	BUD	HHZ	???	_
MORH	0.45	78.1	Pg	10:03:16.267	0.3					T__						15137724	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Lg	10:03:22.819	-0.3					T__						15137725	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Pg	10:03:21.443	0.7					T__						15137726	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.70	189.7	Lg	10:03:29.368	-2.2					T__						15137727	FDSN	Z3	--	BUD	BUD	BHN	???	_
A267A	0.88	21.3	Lg	10:03:38.038	0.1					T__						15137728	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
2018/05/07	10:26:19.19	1.46	0.77	46.1288	18.0601	6.9	5.4	137	0.0S	8	5	109	0.05	0.71	m	kx	BUD	15120632	iLoc			218
2018/05/07	10:26:19.05f		0.76	46.1254	18.0152f				0.0S	8		119	0.07	0.70	m	kx	BUD_GT	15136950	BUD			224

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

Magnitude	Err	Nsta	Author	OrigID
ML	0.7	1.1	3 BUD	15120632
ML	0.7	1.1	3 BUD	15136950

Sta	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	10:26:21.103	-0.0					T__		131.7			MLv	15137729	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	10:26:22.439	-0.5					T__						15137730	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Pg	10:26:25.415	0.8					T__		0.8			MLv	15137731	FDSN	Z3	--	BUD	BUD	HHZ	HHZ	_
A273A	0.25	213.6	Lg	10:26:30.250	1.4					T__						15137732	FDSN	Z3	--	BUD	BUD	HHE	???	_
A265A	0.34	333.1	Lg	10:26:32.370	0.3					T__						15137733	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.45	78.1	Pg	10:26:27.626	-0.8					T__		1.7			MLv	15137734	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	10:26:35.403	-0.3					T__						15137735	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Lg	10:26:43.118	-0.9					T__						15137736	FDSN	Z3	--	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	
2018/05/07	21:23:58.50	0.11	0.18	48.4532	17.3642	0.8	0.6	132	1.3F	0.9	17		97	0.07	1.00	a	ke	IPEC	15105379	ISC			360
2018/05/07	21:23:58.19	0.18	0.30	48.4272	17.3899	1.8	1.2	139	13.7F	2.1	25		7	1.03	1.13	a	ke	VIE	15105375	ISC			360
2018/05/07	21:23:58.06	0.99	0.84	48.4382	17.3789	3.2	2.8	137	9.7F	5.1	45	20	49	0.09	1.72	m	ke	BUD	15120667	iLoc			70

Magnitude	Err	Nsta	Author	OrigID
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ML	0.8	IPEC	15105379
mb	1.3	VIE	15105375
m1	1.6	VIE	15105375
M	1.7	13 BUD	15120667

Sta	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	226.2	Pg	21:24:00.279	-0.7					T__						15120669	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.09	226.2	Lg	21:24:02.004	-1.1					T__						15120670	FDSN	SK	--	BUD	iLoc	HHE	???	_
A334A	0.26	49.7	Pg	21:24:03.248	-0.3					T__						15120671	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
ZST	0.30	217.4	Pg	21:24:04.225	-0.3					T__						15120672	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.30	217.4	Lg	21:24:08.683	-0.6					T__						15120673	FDSN	SK	--	BUD	iLoc	HHN	???	_
A333A	0.33	326.8	Pg	21:24:06.735	1.8					T__						15120674	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	0.33	326.8	Lg	21:24:11.390	1.5					T__						15120675	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A337A	0.34	125.1	Pg	21:24:06.184	1.1					T__						15120676	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.34	125.1	Lg	21:24:12.063	1.8					T__						15120677	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.46	24.6	Pg	21:24:07.157	-0.4					T__						15120678	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.46	24.6	Lg	21:24:13.892	-0.7					T__						15120679	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.46	24.6	Lg	21:24:13.100	-1.5					T__		4.6	0.21			15120680	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.64	88.9	Pg	21:24:10.761	-0.1					T__						15120681	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.64	88.9	Lg	21:24:19.196	-0.9					T__						15120682	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.78	122.7	Pn	21:24:14.226	0.3					T__						15120683	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.78	122.7	Sn	21:24:26.118	-0.1					T__						15120684	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.81	62.6	Sn	21:24:26.475	-0.6					T__						15120685	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	0.90	314.2	Pn	21:24:15.500	-0.2					T__						15120686	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.90	314.2	Pn	21:24:15.600	-0.2					T__						15120687	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.90	314.2	Lg	21:24:26.400	-1.2					T__		2.6	0.35			15120688	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.90	314.2	Pn	21:24:15.855	0.1					T__						15120689	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.90	314.2	Lg	21:24:27.847	0.2					T__						15120690	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VYHS	0.97	86.2	Pg	21:24:17.388	0.0					T__						15120691	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.97	86.2	Lg	21:24:29.435	-1.4					T__						15120692	FDSN	SK	--	BUD	iLoc	HHN	???	_
VRAC	1.01	329.5	Pn	21:24:17.500	0.2					T__						15120693	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.01	329.5	Pn	21:24:17.600	0.2					T__						15120694	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.01	329.5	Lg	21:24:30.000	-1.0					T__						15120695	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.01	329.5	Pn	21:24:17.924	0.6					T__						15120696	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.01	329.5	Lg	21:24:29.895	-1.1					T__						15120697	FDSN	CZ	--	BUD	iLoc	BHE	???	_
EGYH	1.02	181.8	Lg	21:24:31.400	-0.8					T__		0.1				15120698	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.02	181.8	Pg	21:24:19.008	0.6					T__						15120699	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	1.02	181.8	Sn	21:24:33.339	0.9					T__						15120700	FDSN	HU	--	BUD	iLoc	HHN	???	_
RONA	1.04	224.9	Pn	21:24:17.998	0.2					T__		2.7	0.14			15120701	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.04	224.9	Lg	21:24:33.087	0.5					T__		2.2	0.20			15120702	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.14	243.9	Pg	21:24:20.084	-0.4					T__						15120703	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.14	243.9	Lg	21:24:36.268	0.5					T__						15120704	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.14	243.9	Pg	21:24:20.206	-0.3					T__		0.7	0.16			15120705	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.14	243.9	Lg	21:24:36.553	0.7					T__		4.3	0.36			15120706	FDSN	IR	--	ISC	iLoc	???	???	_
AO08A	1.15	267.2	Pg	21:24:20.412	0.1					T__						15120707	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO08A	1.15	267.2	Sn	21:24:36.271	0.8					T__						15120708	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MPLH	1.27	175.1	Sn	21:24:38.880	0.4					T__						15120709	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORC	1.34	4.5	Lg	21:24:41.677	0.2					T__						15120710	FDSN	CZ	--	BUD	iLoc	BHN	???	_
AO12A	1.46	235.9	Pg	21:24:26.020	-0.8					T__						15120711	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ARSA	1.72	227.1	Pg	21:24:30.573	-0.9					T__						15120712	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.72	227.1	Lg	21:24:53.303	-0.6					T__						15120713	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
2018/05/08	08:10:10.65	1.21	0.42	48.4792	20.8226	11.8	5.5	175	0.0S	9	5	122	0.22	1.60	m	kx	BUD	15120655	iLoc			200
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.2	4	BUD	15120655

Sta	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	271.2	Pg	08:10:15.251	-0.1					T__						15120657	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	271.2	Lg	08:10:19.494	0.5					T__						15120658	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.33	123.2	Lg	08:10:23.522	0.1					T__						15120659	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.60	44.8	Lg	08:10:21.700	-10.3					---						15120660	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.60	44.8	Pg	08:10:22.172	0.0					T__						15120661	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.84	228.2	Pn	08:10:28.895	-0.1					T__						15120662	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.84	228.2	Lg	08:10:42.025	0.7					T__						15120663	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.32	271.4	Pg	08:10:36.474	-0.5					T__						15120664	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	271.4	Sn	08:10:55.395	0.1					T__						15120665	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.60	282.6	Sn	08:11:02.027	-0.2					T__						15120666	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
2018/05/08	09:05:51.26	1.06	1.06	48.2259	21.2681	7.3	4.6	169	0.0S	15	10	156	0.07	1.97	m	kx	BUD	15120714	iLoc			176
2018/05/08	09:05:51.44f		1.05	48.2470	21.2460f				0.0S	15		153	0.05	1.95	m	kx	BUD_GT	15136953	BUD			173
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Tallya Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.3	5	BUD	15136953

Sta	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	09:05:52.995	-0.0					T__						15137737	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	09:05:54.445	-0.0					T__						15137738	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	09:06:03.129	0.5					T__						15137739	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	09:06:11.098	-0.1					T__						15137740	FDSN	SK	--	BUD	BUD	EHE	???	_
HOLU	0.81	69.3	Pn	09:06:08.699	-0.9					T__						15137741	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	09:06:21.129	0.4					T__						15137742	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	09:06:09.364	0.9					T__						15137743	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	09:06:21.958	-1.4					T__						15137744	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pg	09:06:11.992	0.3					T__						15137745	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	09:06:25.447	-1.2					T__						15137746	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	09:06:11.569	-0.4					T__						15137747	FDSN	SK	--	BUD	BUD	HHZ	???	_
MUKU	0.98	77.3	Pg	09:06:11.057	0.7					T__						15137748	FDSN	UA	--	BUD	BUD	MHZ	???	_
A336A	1.50	270.3	Sn	09:06:42.101	1.4					T__						15137749	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	1.63	279.6	Sn	09:06:44.957	0.8					T__						15137750	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	1.95	277.0	Sn	09:06:54.947	2.8					T__						15137751	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
2018/05/08	10:01:23.42	0.33	0.36	48.2103	16.8437	3.4	1.2	159	0.0F	0.0	10	6	0.63	1.31	a	sx VIE	15105419	ISC				360
2018/05/08	10:01:23.54	0.95	1.00	48.1353	16.9162	5.1	3.0	145	0.0S		27	14	102	0.31	1.33	m	sx BUD	15120731	iLoc			150

(locality : Hainburg Austria)

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15105419
m1	1.6		VIE	15105419
M	1.7	6	BUD	15120731

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A002B	0.31	316.7	Pg	10:01:30.498	0.5					T__						15120733	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.34	45.3	Pg	10:01:30.685	-0.2					T__						15120734	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.34	45.3	Lg	10:01:35.325	-1.0					T__						15120735	FDSN	SK	--	BUD	iLoc	HHN	???	_
A004A	0.39	243.9	Pg	10:01:31.794	0.4					T__						15120736	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.58	121.4	Pg	10:01:34.888	-0.7					T__						15120737	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
RONA	0.60	224.0	Pg	10:01:35.944	0.2					T__		0.6	0.08			15120738	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.60	224.0	Lg	10:01:44.047	-0.7					T__		9.6	0.44			15120739	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	254.1	Pg	10:01:40.610	2.3					T__						15120740	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.74	254.1	Lg	10:01:49.542	0.3					T__						15120741	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.74	254.1	Pg	10:01:36.861	-1.4					T__		0.5	0.22			15120742	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	254.1	Lg	10:01:47.383	-1.9					T__		2.1	0.30			15120743	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.88	34.4	Pn	10:01:44.000	1.4					T__						15120744	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.99	339.7	Pn	10:01:43.600	-0.2					T__						15120745	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.99	339.7	Lg	10:01:55.600	-0.8					T__						15120746	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.99	339.7	Pn	10:01:43.804	0.0					T__						15120747	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.99	339.7	Lg	10:01:56.217	-0.2					T__						15120748	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	1.00	71.3	Lg	10:01:58.044	-0.1					T__						15120749	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A012A	1.04	239.8	Lg	10:01:59.469	-0.2					T__						15120750	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VRAC	1.19	349.8	Pn	10:01:47.191	0.6					T__						15120751	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.19	349.8	Sn	10:02:03.379	-0.9					T__						15120752	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A332A	1.23	56.4	Lg	10:02:05.969	0.5					T__						15120753	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ARSA	1.29	227.3	Pn	10:01:47.969	-0.0					T__		2.7	0.34			15120754	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.29	227.3	Sn	10:02:06.637	-0.2					T__		2.2	0.34			15120755	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.29	227.3	Pg	10:01:49.958	1.3					T__						15120756	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.29	227.3	Lg	10:02:07.414	0.2					T__						15120757	FDSN	OE	--	BUD	iLoc	BHE	???	_
VYHS	1.33	73.6	Pg	10:01:51.566	1.5					T__						15120758	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.33	73.6	Sn	10:02:06.319	-1.4					T__						15120759	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	
2018/05/08	23:45:47.27	1.30	1.00	45.6460	17.9182	7.4	4.8	131	5.8F	9.4	16	10	151	0.22	1.41	m	ke BUD	15120760	iLoc				226

Magnitude	Err	Nsta	Author	OrigID
M	1.2	5	BUD	15120760

Sta	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	0.22	193.2	Lg	23:45:54.520	-1.1					T__						15120762	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A273A	0.28	345.2	Pg	23:45:53.850	0.7					T__						15120763	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.28	345.2	Lg	23:45:57.692	0.1					T__						15120764	FDSN	Z3	--	BUD	iLoc	HHN	???	_
KOVH	0.46	16.0	Pg	23:45:57.238	0.5					T__						15120765	FDSN	HU	--	BUD	iLoc	BHZ	???	_

KOVH	0.46	16.0	Lg	23:46:03.001	-0.9	T__	---	15120766	FDSN	HU	--	BUD	iLoc	BHN	???	_
A264A	0.68	319.7	Lg	23:46:09.920	-1.2	T__	---	15120767	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	0.76	41.4	Pg	23:46:03.104	0.6	T__	---	15120768	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.76	41.4	Lg	23:46:13.807	-0.1	T__	---	15120769	FDSN	HU	--	BUD	iLoc	BHE	???	_
A265A	0.78	353.8	Pg	23:46:03.365	0.3	T__	---	15120770	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.78	353.8	Lg	23:46:13.233	-1.5	T__	---	15120771	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MOSL	0.82	268.1	Pg	23:46:04.530	0.9	T__	---	15120772	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.82	268.1	Lg	23:46:14.650	-1.1	T__	---	15120773	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	0.91	15.2	Pn	23:46:05.221	-0.4	T__	---	15120774	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.91	15.2	Lg	23:46:18.307	-0.6	T__	---	15120775	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BEHE	1.15	316.4	Sn	23:46:25.917	-0.3	T__	---	15120776	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	1.41	305.2	Sn	23:46:33.979	1.6	T__	---	15120777	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
2018/05/09	07:10:04.77	1.35	1.33	47.4217	18.0715	8.1	5.6	79	0.0S		7	5	132	0.14	1.27	m	kx	BUD	15120778	iLoc		184
(description : known quarry blast)																						
(locality : Gánt Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.3	3 BUD	15120778

Sta	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	114.4	Pg	07:10:09.166	1.0					T__	58.4	1858.5			MLv	3.0	15120780	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.14	114.4	Lg	07:10:10.813	-0.2					T__						15120781	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 3.0 1																									
A339A	0.50	325.6	Lg	07:10:22.822	-0.1					T__						15120782	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
TIH	0.54	193.6	Pg	07:10:17.256	1.4					T__	1.8	32.3			MLv	2.3	15120783	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.54	193.6	Lg	07:10:22.608	-1.6					T__						15120784	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.3 1																									
A338A	0.62	17.6	Pg	07:10:17.876	0.3					T__	1.9	17.4			MLv	2.1	15120785	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.1 1																									
MORH	1.27	161.7	Sn	07:10:46.284	-1.3					T__						15120786	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	
2018/05/09	08:04:30.54	1.32	0.51	48.5726	20.7541	9.8	6.2	143	0.0S		9	6	167	0.20	1.28	m	kx	BUD	15120800	iLoc			200

Magnitude	Err	Nsta	Author	OrigID
M	1.6		5 BUD	15120800

Sta	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	243.5	Pg	08:04:35.499	0.8					T__						15120802	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.20	243.5	Lg	08:04:38.140	0.2					T__						15120803	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.57	54.6	Lg	08:04:50.782	-0.2					T__						15120804	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.87	221.6	Pg	08:04:48.672	-0.2					T__						15120805	FDSN	GE	--	BUD	iLoc	BHZ	???	_
STHS	0.90	20.7	Pn	08:04:50.147	0.2					T__						15120806	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.03	304.7	Pg	08:04:51.039	0.4					T__						15120807	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.03	304.7	Lg	08:05:05.413	-0.3					T__						15120808	FDSN	SK	--	BUD	iLoc	EHE	???	_
VYHS	1.28	267.2	Pg	08:04:55.876	-0.1					T__						15120809	FDSN	SK	--	BUD	iLoc	HHZ	???	_

VYHS 1.28 267.2 Sn 08:05:13.337 -0.7 T__ --- 15120810 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
2018/05/09	13:49:30.33	1.38	0.61	47.5497	18.4643	23.5	5.4	118	0.0S	5	3	158	0.23	1.03	m	kx	BUD	15120843	iLoc			306
2018/05/09	13:49:30.36f	0.38	0.38	47.5600	18.4573f				0.0S	5		160	0.24	1.03	m	kx	BUD_GT	15136956	BUD			305

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5	2	BUD	15136956

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.24	214.2	Pg	13:49:35.910	0.3					T__						15137752	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	13:49:38.963	-0.8					T__						15137753	FDSN	HU	--	BUD	BUD	HHE	???	_
VYHS	0.97	15.1	Pn	13:49:50.284	0.0					T__						15137754	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Lg	13:50:04.109	-0.1					T__						15137755	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Lg	13:50:07.643	0.0					T__						15137756	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
2018/05/10	08:43:33.71	1.00	0.78	48.2386	18.8120	4.3	3.5	20	0.0S	21	13	89	0.13	1.37	m	kx	BUD	15120850	iLoc			110

(locality : Horne-Turovce Slovakia)
(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15120850

Sta	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	0.13	92.4	Pg	08:43:36.764	0.3					T__						15120852	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.13	92.4	Lg	08:43:39.570	1.0					T__						15120853	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.26	3.6	Pg	08:43:39.459	0.4					T__						15120854	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.26	3.6	Lg	08:43:43.301	0.2					T__						15120855	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.38	303.5	Pg	08:43:41.636	0.1					T__						15120856	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.38	303.5	Lg	08:43:46.925	-0.5					T__						15120857	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.38	234.2	Lg	08:43:47.717	0.2					T__						15120858	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.61	337.9	Lg	08:43:54.568	-0.4					T__						15120859	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A337A	0.68	270.9	Lg	08:43:59.070	1.4					T__						15120860	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.79	113.4	Pg	08:43:50.711	0.2					T__						15120861	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.79	113.4	Lg	08:44:00.865	-2.1					T__						15120862	FDSN	GE	--	BUD	iLoc	BHN	???	_
CSKK	0.95	203.2	Pn	08:43:53.455	0.2					T__						15120863	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.95	203.2	Lg	08:44:06.629	-0.2					T__						15120864	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	0.98	309.7	Pn	08:43:53.730	-0.3					T__						15120865	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.98	309.7	Lg	08:44:06.903	-0.8					T__						15120866	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A268A	1.01	216.9	Pn	08:43:54.623	0.6					T__						15120867	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	1.01	216.9	Lg	08:44:07.839	-0.8					T__						15120868	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MODS	1.03	278.0	Pg	08:43:54.553	0.0					T__						15120869	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.03	278.0	Lg	08:44:08.550	-1.1					T__						15120870	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	1.14	77.0	Sn	08:44:13.352	-0.1					T__						15120871	FDSN	SK	--	BUD	iLoc	EHN	???	_

MPLH 1.37 219.3 Lg 08:44:20.351 -0.2 T__ --- 15120872 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
 2018/05/10 09:11:40.13 1.06 0.91 47.8663 19.4502 6.2 4.3 8 0.0S 15 12 135 0.29 1.55 m sx BUD 15120873 iLoc 146
 (description : suspected quarry blast)
 (locality : Bercel Hungary)

Magnitude Err Nsta Author OrigID
 M 1.9 6 BUD 15120873

Sta	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	0.29	266.0	Lg	09:11:52.194	1.0					T__						15120875	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.30	79.9	Pg	09:11:47.625	0.6					T__						15120876	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.30	79.9	Lg	09:11:52.565	0.2					T__						15120877	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	0.48	320.7	Lg	09:11:57.227	0.2					T__						15120878	FDSN	Z3	00	BUD	iLoc	HH2	???	_
BUD	0.48	217.1	Lg	09:11:58.191	0.0					T__						15120879	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	0.75	327.0	Pg	09:11:55.721	0.4					T__						15120880	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A338A	0.75	281.8	Pn	09:11:57.246	0.3					T__						15120881	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.95	308.3	Pn	09:11:59.939	0.2					T__						15120882	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.95	308.3	Lg	09:12:12.388	-0.6					T__						15120883	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	1.13	215.9	Pn	09:12:02.378	0.2					T__						15120884	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.13	215.9	Sn	09:12:17.769	-1.6					T__						15120885	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A332A	1.15	325.4	Pg	09:12:03.912	1.1					T__						15120886	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
ABAH	1.27	69.6	Lg	09:12:24.881	-1.0					T__						15120887	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	1.54	290.0	Lg	09:12:31.742	-1.3					T__						15120888	FDSN	SK	--	BUD	iLoc	HHZ	???	_
JAVC	1.55	310.6	Lg	09:12:32.154	-1.2					T__						15120889	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
 2018/05/10 09:24:17.60 0.22 0.33 46.9599 22.3064 2.1 1.1 12 8.8F 1.6 19 174 0.32 1.82 a ke BUC 15105451 ISC 360
 2018/05/10 09:24:15.53 0.98 1.03 47.0004 22.2977 4.3 3.6 18 0.0S 39 11 99 0.35 1.86 m sx BUD 15120890 iLoc 182
 (locality : Subpiatra Romania)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 m1 1.6 BUC 15105451
 M 1.7 6 BUD 15120890

Sta	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	126.2	Pg	09:24:23.930	1.0					T__						15120892	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.35	126.2	Lg	09:24:29.142	0.2					T__						15120893	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.35	126.2	Lg	09:24:28.998	0.0					T__						15120894	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.36	284.6	Pg	09:24:24.504	1.1					T__						15120895	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.36	284.6	Pg	09:24:24.504	1.1					T__		0.1				15120896	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.36	284.6	Lg	09:24:30.656	0.9					T__		0.1				15120897	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	119.6	Pg	09:24:29.549	0.9					T__						15120898	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	119.6	Pg	09:24:29.549	0.9					T__						15120899	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	119.6	Lg	09:24:38.420	-0.7					T__						15120900	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	211.2	Pg	09:24:33.383	0.4					T__						15120901	FDSN	IR	--	ISC	iLoc	???	???	_

SIRR	0.85	211.2	Pg	09:24:33.383	0.4	T__	---	15120902	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	0.86	211.0	Pn	09:24:33.942	-0.0	T__	---	15120903	FDSN	RO	--	BUD	iLoc	BHZ	???	-
SIRR	0.86	211.0	Lg	09:24:45.393	-0.8	T__	---	15120904	FDSN	RO	--	BUD	iLoc	BHN	???	-
CJR	0.94	107.4	Pn	09:24:35.753	0.2	T__	---	15120905	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	0.94	107.4	Pn	09:24:35.753	0.2	T__	---	15120906	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	0.94	107.4	Pn	09:24:36.610	1.1	T__	---	15120907	FDSN	RO	--	BUD	iLoc	BHZ	???	-
CJR	0.94	107.4	Lg	09:24:47.788	-0.8	T__	---	15120908	FDSN	RO	--	BUD	iLoc	BHN	???	-
CJR	0.94	107.4	Lg	09:24:48.291	-0.3	T__	---	15120909	FDSN	IR	--	ISC	iLoc	???	???	-
TRPA	1.14	8.1	Pg	09:24:38.651	0.9	T__	---	15120910	FDSN	HU	--	BUD	iLoc	BHZ	???	-
TRPA	1.14	8.1	Sn	09:24:52.188	-4.1	T__	---	15120911	FDSN	HU	--	BUD	iLoc	BHN	???	-
DEV	1.19	159.3	Sn	09:24:57.512	1.0	T__	---	15120912	FDSN	RO	--	BUD	iLoc	BHN	???	-
DEV	1.19	159.2	Lg	09:24:55.278	-0.5	T__	---	15120913	FDSN	IR	--	ISC	iLoc	???	???	-
DEV	1.19	159.2	Lg	09:24:55.278	-0.5	T__	---	15120914	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	1.25	185.6	Pg	09:24:40.753	0.9	T__	---	15120915	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	1.25	185.6	Pg	09:24:40.753	0.9	T__	---	15120916	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	1.25	185.6	Sn	09:24:57.503	-0.5	T__	---	15120917	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	1.46	198.5	Pg	09:24:43.282	-0.5	T__	---	15120918	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BZS	1.46	198.5	Sn	09:25:03.917	0.8	T__	---	15120919	FDSN	RO	--	BUD	iLoc	BHE	???	-
BZS	1.46	199.1	Pg	09:24:43.681	-0.3	T__	---	15120920	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	1.46	199.1	Pg	09:24:43.681	-0.3	T__	---	15120921	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	1.46	199.1	Sn	09:25:03.330	0.0	T__	---	15120922	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.64	168.1	Pg	09:24:46.942	0.1	T__	---	15120923	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.64	168.1	Pg	09:24:46.942	0.1	T__	---	15120924	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.64	168.1	Pg	09:24:48.410	1.5	T__	---	15120925	FDSN	RO	--	BUD	iLoc	BHZ	???	-
GZR	1.64	168.1	Sn	09:25:07.760	-0.5	T__	---	15120926	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.64	168.1	Lg	09:25:10.253	-1.8	T__	---	15120927	FDSN	RO	--	BUD	iLoc	BHN	???	-
LOT	1.86	146.1	Pn	09:24:48.603	0.2	T__	---	15120928	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.86	146.1	Pn	09:24:48.603	0.2	T__	---	15120929	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.86	146.1	Sn	09:25:13.750	-0.3	T__	---	15120930	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
2018/05/10	10:23:55.54	1.01	0.99	48.3978	20.7473	7.2	3.9	15	0.0S		16	11	117	0.19	4.18	m	kx	BUD	15120931	iLoc		165
2018/05/10	10:23:55.30f		1.12	48.4470	20.7870f				0.0S		16		122	0.20	4.19	m	kx	BUD_GT	15136959	BUD		180

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5	6	BUD	15136959

Sta	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	280.4	Pg	10:24:00.239	0.6					T__						15137757	FDSN	SK	--	BUD	BUD	EHE	???	-
KECS	0.20	280.4	Lg	10:24:02.010	-0.9					T__						15137758	FDSN	SK	--	BUD	BUD	EHN	???	-
KECS	0.20	280.4	Lg	10:24:03.300	0.4					T__		0.4				15137759	FDSN	IR	--	ISC	BUD	???	???	-
ABAH	0.34	116.4	Pg	10:24:03.040	0.7					T__						15137760	FDSN	HU	--	BUD	BUD	HHZ	???	-
ABAH	0.34	116.4	Lg	10:24:08.423	0.1					T__						15137761	FDSN	HU	--	BUD	BUD	HHE	???	-
PSZ	0.80	228.8	Pg	10:24:11.942	-0.2					T__						15137762	FDSN	GE	--	BUD	BUD	BHZ	???	-
PSZ	0.80	228.8	Lg	10:24:23.811	-0.8					T__						15137763	FDSN	GE	--	BUD	BUD	BHN	???	-
NIE	1.02	342.4	Pn	10:24:18.062	1.8					T__						15137764	FDSN	PL	--	BUD	BUD	BHZ	???	-
BSZH	1.20	197.2	Sn	10:24:34.463	-2.4					T__						15137765	FDSN	HU	--	BUD	BUD	HHE	???	-
A336A	1.21	260.5	Sn	10:24:34.731	-2.2					T__						15137766	FDSN	Z3	00	BUD	BUD	HH2	???	-

TRPA	1.21	104.5	Sn	10:24:36.501	-1.3	T__	---	15137767	FDSN	HU	--	BUD	BUD	BHN	???	_
VYHS	1.30	272.8	Pg	10:24:20.932	-0.3	T__	---	15137768	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.30	272.8	Sn	10:24:39.360	-0.0	T__	---	15137769	FDSN	SK	--	BUD	BUD	HHN	???	_
A332A	1.58	283.9	Sn	10:24:45.522	-0.9	T__	---	15137770	FDSN	Z3	00	BUD	BUD	HHE	???	_
A338A	1.68	256.0	Pn	10:24:25.260	0.0	T__	---	15137771	FDSN	Z3	00	BUD	BUD	HHZ	???	_
VOIR	4.19	134.3	Pn	10:25:02.309	1.0	T__	---	15137772	FDSN	IR	--	ISC	BUD	???	???	_
VOIR	4.19	134.3	Sn	10:25:13.349	-38.5	---	---	15137773	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
2018/05/10	11:45:25.92	1.30	0.83	48.3205	19.8636	5.6	4.1	165	0.0S		12	7	90	0.40	1.14	m	kx	BUD	15120950	iLoc		170
(locality : Gánt Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	5	BUD	15120950

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.40	177.1	Pg	11:45:35.233	0.4					T__						15120952	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.40	177.1	Lg	11:45:41.339	-0.2					T__						15120953	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.45	68.3	Pg	11:45:35.233	0.3					T__						15120954	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.45	68.3	Lg	11:45:41.442	-0.4					T__						15120955	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	0.58	261.7	Pg	11:45:38.379	0.6					T__						15120956	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.58	261.7	Lg	11:45:46.066	-0.3					T__						15120957	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.71	284.6	Lg	11:45:49.332	-1.3					T__						15120958	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	0.92	91.0	Pg	11:45:44.701	0.7					T__						15120959	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.92	91.0	Lg	11:45:57.703	-1.4					T__						15120960	FDSN	HU	--	BUD	iLoc	HHE	???	_
A335A	1.03	277.7	Lg	11:46:00.635	-0.7					T__						15120961	FDSN	Z3	00	BUD	iLoc	HHN	???	_
NIE	1.14	14.9	Pg	11:45:47.995	0.7					T__						15120962	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	1.14	14.9	Lg	11:46:03.603	-0.2					T__						15120963	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
2018/05/11	08:00:57.48	1.10	0.74	48.5227	20.7735	7.1	4.8	163	0.0S		11	7	98	0.20	1.29	m	kx	BUD	15120985	iLoc		174
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	7	BUD	15120985

Sta	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	258.5	Pg	08:01:01.578	-0.0					T__						15120987	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	258.5	Lg	08:01:05.874	1.1					T__						15120988	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.38	126.0	Pg	08:01:05.821	0.4					T__						15120989	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.38	126.0	Lg	08:01:11.937	-0.1					T__						15120990	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.59	49.9	Pg	08:01:08.305	-0.5					T__						15120991	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.84	224.5	Pg	08:01:14.904	-0.4					T__						15120992	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.84	224.5	Lg	08:01:29.038	0.6					T__						15120993	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.95	341.5	Pn	08:01:18.045	0.6					T__						15120994	FDSN	PL	--	BUD	iLoc	BHZ	???	_
STHS	0.95	18.9	Pg	08:01:15.041	0.1					T__						15120995	FDSN	SK	--	BUD	iLoc	EHE	???	_

VYHS	1.29	269.4	Pn	08:01:21.843	-0.1	T__	---	15120996	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	269.4	Sn	08:01:39.949	-1.3	T__	---	15120997	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
2018/05/11	08:19:33.28	0.21	0.36	45.8254	21.7016	2.0	1.1	91	10.9F	1.6	18	164	0.21	1.50	a	ke	BUC	15105517	ISC			360
2018/05/11	08:19:32.98	1.20	0.48	45.8352	21.6872	6.0	3.6	81	5.7F	9.0	32	9	169	0.22	1.51	m	ke	BUD	15120998	iLoc		207

Magnitude	Err	Nsta	Author	OrigID
m1	1.7		BUC	15105517
M	1.8	4	BUD	15120998

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
BZS	0.22	188.7	Pg	08:19:37.469	-0.1					T__						15121000	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.22	192.8	Lg	08:19:40.826	-0.3					T__						15121001	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.32	104.7	Pg	08:19:39.026	-0.3					T__						15121002	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.32	104.7	Pg	08:19:39.026	-0.3					T__						15121003	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.32	104.7	Lg	08:19:44.454	0.5					T__						15121004	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.43	357.8	Pg	08:19:42.120	0.2					T__						15121005	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.43	357.8	Lg	08:19:48.674	-0.1					T__						15121006	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.43	357.5	Pg	08:19:41.736	-0.3					T__						15121007	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.43	357.5	Pg	08:19:41.736	-0.3					T__						15121008	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.43	357.5	Pg	08:19:41.736	-0.3					T__						15121009	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	0.88	119.6	Pg	08:19:49.739	-0.2					T__						15121010	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.88	119.6	Pg	08:19:50.085	0.1					T__						15121011	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.88	119.6	Pg	08:19:50.085	0.1					T__						15121012	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.88	119.6	Lg	08:20:01.950	-0.7					T__						15121013	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	0.88	119.6	Lg	08:20:02.590	-0.1					T__						15121014	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.05	179.0	Pg	08:19:53.771	0.1					T__						15121015	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.05	179.0	Pg	08:19:53.771	0.1					T__						15121016	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.05	179.0	Lg	08:20:08.041	-0.7					T__						15121017	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.08	151.4	Pg	08:19:54.271	0.6					T__						15121018	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.08	151.4	Pg	08:19:54.271	0.6					T__						15121019	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.08	151.4	Lg	08:20:09.047	0.0					T__						15121020	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	36.2	Pn	08:19:55.783	0.4					T__						15121021	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	36.2	Pn	08:19:55.783	0.4					T__						15121022	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.19	36.2	Sn	08:20:12.580	-0.5					T__						15121023	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	1.19	36.2	Pn	08:19:56.131	0.7					T__						15121024	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	1.19	36.2	Sn	08:20:12.722	-0.4					T__						15121025	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.30	49.2	Pn	08:19:57.982	0.9					T__						15121026	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.30	49.2	Pn	08:19:57.982	0.9					T__						15121027	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.30	49.2	Sn	08:20:15.581	-0.6					T__						15121028	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.51	104.1	Pn	08:19:59.520	-0.3					T__						15121029	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.51	104.1	Pn	08:19:59.520	-0.3					T__						15121030	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.51	104.1	Sn	08:20:20.713	-0.4					T__						15121031	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.51	104.2	Sn	08:20:22.080	0.9					T__														

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2018/05/11	10:43:44.09	0.18	0.36	46.3030	22.0075	1.8	1.1	136	6.0F	1.9	18	143	0.24	1.54	a	ke	BUC	15105568	ISC				360
2018/05/11	10:43:43.37	1.04	0.94	46.3214	21.9894	5.0	3.2	143	0.0S		34	9	150	0.23	1.55	m	sx	BUD	15121032	iLoc			183

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

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15105568
M	1.5	4	BUD	15121032

Sta	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	256.2	Pg	10:43:49.041	0.4					T__						15121034	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.23	256.2	Lg	10:43:52.847	0.0					T__						15121035	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.23	256.8	Pg	10:43:48.863	0.2					T__						15121036	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.23	256.8	Pg	10:43:48.863	0.2					T__						15121037	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.23	256.8	Lg	10:43:52.428	-0.4					T__						15121038	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	170.5	Pg	10:43:55.401	0.8					T__						15121039	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	170.5	Pg	10:43:55.401	0.8					T__						15121040	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	170.5	Lg	10:44:01.961	-1.0					T__						15121041	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.68	46.4	Pg	10:43:56.884	-0.4					T__						15121042	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.68	46.4	Pg	10:43:56.884	-0.4					T__						15121043	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.69	46.4	Pg	10:44:00.261	3.0					T__						15121044	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.69	46.4	Lg	10:44:07.283	-1.4					T__						15121045	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.74	199.2	Pg	10:43:58.932	0.9					T__						15121046	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.74	199.2	Lg	10:44:09.624	0.8					T__						15121047	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.75	200.4	Pg	10:43:58.316	0.1					T__						15121049	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.75	200.4	Pg	10:43:58.316	0.1					T__						15121048	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.75	200.4	Lg	10:44:08.402	-0.7					T__						15121050	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.79	222.7	Pg	10:43:59.355	0.1					T__						15121051	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.79	222.7	Pg	10:43:59.355	0.1					T__						15121052	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.79	222.7	Lg	10:44:09.965	-1.1					T__						15121053	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.86	65.1	Pg	10:44:00.724	0.2					T__						15121054	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.86	65.1	Pg	10:44:00.724	0.2					T__						15121055	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.86	65.1	Lg	10:44:12.521	-1.8					T__						15121056	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	149.1	Pg	10:44:04.308	0.2					T__						15121057	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	149.1	Pg	10:44:04.308	0.2					T__						15121058	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	149.1	Pn	10:44:06.904	2.1					T__						15121059	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.08	149.1	Lg	10:44:19.512	0.1					T__						15121060	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	149.1	Sn	10:44:20.782	-0.9					T__						15121061	FDSN	RO	--	BUD	iLoc	BHE	???	_
HERR	1.47	168.1	Pn	10:44:10.175	-0.1					T__						15121062	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.47	168.1	Pn	10:44:10.175	-0.1					T__						15121063	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.47	168.1	Sn	10:44:31.286	-0.1					T__						15121064	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.55	187.3	Pg	10:44:12.791	-0.8					T__						15121065	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.55	187.3	Pg	10:44:12.791	-0.8					T__						15121066	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.55	187.3	Sn	10:44:33.154	-0.5					T__						15121067	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
2018/05/11	11:11:01.12	1.07	1.03	48.2801	19.8947	6.9	5.3	160	0.0S		11	8	91	0.36	6.94	m	kx	BUD	15121068	iLoc		136

(description : known quarry blast)
 (locality : Husina Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15121068

Sta	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	180.0	Pg	11:11:09.106	-0.1					T__						15121070	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.36	180.0	Lg	11:11:14.320	-1.0					T__						15121071	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.44	62.5	Lg	11:11:17.378	0.4					T__						15121072	FDSN	SK	--	BUD	iLoc	EHE	???	_
A336A	0.60	265.9	Lg	11:11:22.534	0.3					T__						15121073	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	0.74	287.3	Pn	11:11:16.761	-1.0					T__						15121074	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.74	287.3	Lg	11:11:26.504	-0.4					T__						15121075	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	0.90	88.5	Lg	11:11:32.335	-1.3					T__						15121076	FDSN	HU	--	BUD	iLoc	HHN	???	_
A335A	1.05	279.7	Pn	11:11:21.658	-0.5					T__						15121077	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
NIE	1.17	13.5	Pn	11:11:24.925	0.9					T__						15121078	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	1.17	13.5	Sn	11:11:41.804	-0.4					T__						15121079	FDSN	PL	--	BUD	iLoc	BHE	???	_
MDAR	6.94	225.4	Pn	11:12:46.510	1.8					T__						15121080	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
2018/05/11	13:03:08.61	2.60	1.85	46.1211	21.4460	21.4	6.3	98	14.0F	13.0	8	4	241	0.21	1.18	m	ke	BUD	15121089	iLoc		278

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15121089

Sta	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	0.21	46.2	Pg	13:03:14.280	0.5					T__						15121091	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.21	46.2	Lg	13:03:17.043	-0.7					T__						15121092	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.52	164.8	Pg	13:03:20.743	1.7					T__						15121093	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.52	164.8	Lg	13:03:23.989	-2.8					T__						15121094	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.10	52.1	Pg	13:03:31.615	1.1					T__						15121095	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.10	52.1	Sn	13:03:44.043	-0.8					T__						15121096	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.18	127.5	Pg	13:03:32.090	0.8					T__						15121097	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.18	127.5	Lg	13:03:48.187	0.1					T__						15121098	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
2018/05/12	07:04:54.83	1.99	1.97	47.9749	19.6217	17.2	7.1	37	0.0S		6	4	207	0.19	1.52	m	kx	BUD	15121081	iLoc		270

(description : known quarry blast)
(locality : Nagyl6c Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	2	BUD	15121081

Sta	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	107.0	Pg	07:05:00.092	0.6					T__						15121083	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.19	107.0	Lg	07:05:02.493	-0.6					T__						15121084	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	0.74	315.0	Lg	07:05:19.783	-0.9					T__						15121085	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	1.13	72.9	Pn	07:05:18.284	1.2					T__						15121086	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.13	72.9	Sn	07:05:31.927	-2.8					T__						15121087	FDSN	HU	--	BUD	iLoc	HHE	???	_
NIE	1.52	17.3	Lg	07:05:45.992	0.7					T__						15121088	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
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2018/05/12 08:51:16.52 1.52 0.64 46.1329 18.3211 13.2 5.0 152 0.0S 6 3 175 0.16 0.77 m kx BUD 15121099 iLoc 311
 2018/05/12 08:51:16.18f 0.72 46.1765 18.2926f 0.0S 6 204 0.16 0.80 m kx BUD_GT 15136962 BUD 326
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Komló-II Hungary)

Magnitude Err Nsta Author OrigID
 ML 1.3 0.4 3 BUD 15121099
 ML 1.3 0.4 3 BUD 15136962

Sta	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	08:51:20.466	0.4					T__		32.9		---	MLv	15137774	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:51:23.350	0.2					T__				---		15137775	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	08:51:21.991	0.3					T__		6.4		---	MLv	15137776	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:51:25.947	-0.1					T__				---		15137777	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pg	08:51:32.788	0.3					T__		3.8		---	MLv	15137778	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	08:51:43.129	-1.6					T__				---		15137779	FDSN	Z3	--	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
2018/05/12	23:50:43.00			47.8600	18.8300				10.0A							a	ke GFZ	15105625	ISC			360
2018/05/12	23:50:43.00	0.15	0.16	47.8923	18.8707	1.6	0.9	163	19.3F	0.8	28	175		0.35	2.30	a	ke IPEC	15105628	ISC			360
2018/05/12	23:50:57.20			48.3800	17.2500				1.0A		7					a	ke PRU	15105635	ISC			360
2018/05/12	23:50:43.36	0.41	2.45	47.9114	18.8523	3.2	2.2	177	3.0F	0.0	20	4		1.73	2.34	a	ke VIE	15105631	ISC			360
2018/05/12	23:50:42.90	0.97	1.23	47.9021	18.8732	2.8	2.4	118	10.5F	8.0	93	44	55	0.11	3.73	m	ke BUD	15121144	iLoc			66

Magnitude Err Nsta Author OrigID
 mb 2.3 GFZ 15105625
 ML 1.7 IPEC 15105628
 mb 1.9 VIE 15105631
 ml 2.2 VIE 15105631
 M 2.5 27 BUD 15121144

Sta	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	0.11	120.1	Pg	23:50:45.819	-0.2					T__				---		15121146	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.11	120.1	Lg	23:50:48.075	-0.4					T__				---		15121147	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.34	14.2	Pg	23:50:50.470	0.4					T__				---		15121148	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.34	14.2	Lg	23:50:55.448	0.2					T__				---		15121149	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A338A	0.37	288.1	Pg	23:50:50.747	0.2					T__				---		15121150	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.37	288.1	Lg	23:50:56.565	0.4					T__				---		15121151	FDSN	Z3	00	BUD	iLoc	HH2	???	_
SR0	0.39	256.9	Pg	23:50:54.500	3.5					T__		3.3		---		15121152	FDSN	IR	--	ISC	iLoc	???	???	_
SR0	0.39	256.9	Pg	23:50:50.536	-0.4					T__				---		15121153	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SR0	0.39	256.9	Lg	23:50:56.253	-0.6					T__				---		15121154	FDSN	SK	--	BUD	iLoc	EHN	???	_
A269A	0.42	231.6	Pg	23:50:50.234	-1.4					T__				---		15121155	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.42	231.6	Lg	23:50:55.708	-2.4					T__				---		15121156	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.59	357.6	Pg	23:50:56.700	1.8					T__		0.1		---		15121157	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	0.59	357.6	Pg	23:50:54.836	-0.1					T__				---		15121158	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A335A	0.65	326.8	Pg	23:50:55.910	-0.1					T__				---		15121159	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.65	326.8	Lg	23:51:04.243	-1.2					T__				---		15121160	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.68	217.8	Pg	23:50:55.337	-1.2					T__				---		15121161	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.68	217.8	Lg	23:51:05.473	-1.0					T__				---		15121162	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.68	217.8	Pg	23:50:55.900	-0.7					T__		5.3		---		15121163	FDSN	IR	--	ISC	iLoc	???	???	_

PSZ	0.69	88.3	Pg	23:50:56.141	-1.3	T__			15121164	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.69	88.3	Lg	23:51:05.876	-1.9	T__			15121165	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	0.69	88.3	Pn	23:50:58.900	1.3	T__	0.2		15121166	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	0.80	234.1	Pg	23:50:57.241	-1.6	T__			15121167	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.80	234.1	Lg	23:51:09.166	-0.9	T__			15121168	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A337A	0.80	295.6	Pg	23:50:58.858	-0.1	T__			15121169	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.80	295.6	Lg	23:51:10.645	0.5	T__			15121170	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A339A	0.82	265.4	Pg	23:50:59.072	-0.3	T__			15121171	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.82	265.4	Lg	23:51:11.173	0.3	T__			15121172	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A332A	0.94	343.4	Pg	23:51:01.358	-0.2	T__			15121173	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.94	343.4	Lg	23:51:13.652	-1.0	T__			15121174	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.99	195.7	Pn	23:51:01.531	0.0	T__			15121175	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.99	195.7	Lg	23:51:14.821	-1.7	T__			15121176	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A334A	1.07	311.7	Pn	23:51:03.486	0.8	T__			15121177	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BSZH	1.12	122.1	Pn	23:51:04.861	1.4	T__			15121178	FDSN	HU	--	BUD	iLoc	HHZ	???	_
BSZH	1.12	122.1	Pg	23:51:05.900	-0.3	T__	0.1		15121179	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.15	245.6	Pg	23:51:05.700	0.0	T__	0.4		15121180	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.15	245.6	Pb	23:51:21.700	16.0	T__	0.4		15121181	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.15	245.6	Pn	23:51:04.524	0.6	T__			15121182	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	1.15	245.6	Sn	23:51:20.788	0.6	T__			15121183	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	1.16	231.5	Pn	23:51:04.030	-0.0	T__			15121184	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.16	231.5	Pn	23:51:04.200	0.1	T__	0.2		15121185	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.16	231.5	Sn	23:51:20.694	0.2	T__			15121186	FDSN	HU	--	BUD	iLoc	BHE	???	_
MODS	1.17	294.4	Pn	23:51:04.720	0.4	T__			15121187	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	1.22	284.6	Pn	23:51:04.857	-0.1	T__			15121188	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	1.22	284.6	Sn	23:51:21.368	-0.5	T__			15121189	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	1.23	61.1	Pn	23:51:05.396	0.4	T__			15121190	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	1.23	61.1	Sn	23:51:23.120	0.9	T__			15121191	FDSN	SK	--	BUD	iLoc	EHE	???	_
A003A	1.23	264.0	Pn	23:51:06.107	1.0	T__			15121192	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	1.23	264.0	Lg	23:51:24.108	0.3	T__			15121193	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	1.25	320.5	Sn	23:51:23.632	0.9	T__			15121194	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.25	320.5	Pn	23:51:06.000	0.5	T__			15121196	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.25	320.5	Pn	23:51:06.000	0.5	T__			15121195	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.25	320.5	Sn	23:51:22.100	-0.7	T__	10.2	0.46	15121197	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.25	320.5	Lg	23:51:22.200	-2.6	T__			15121198	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.31	17.3	Pg	23:51:08.168	-0.4	T__			15121199	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.31	17.3	Pg	23:51:08.400	-0.2	T__	0.1		15121200	FDSN	IR	--	ISC	iLoc	???	???	_
A331A	1.32	341.1	Pg	23:51:08.446	-0.0	T__			15121201	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	1.32	341.1	Lg	23:51:27.288	0.6	T__			15121202	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A266A	1.44	197.0	Pg	23:51:09.944	-1.3	T__			15121203	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	1.44	197.0	Sn	23:51:28.270	1.0	T__			15121204	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A261A	1.51	231.6	Pn	23:51:10.113	1.1	T__			15121205	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
SOP	1.58	262.9	Pn	23:51:10.100	0.2	T__			15121206	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	1.58	262.9	Pg	23:51:16.300	2.5	T__			15121207	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	1.58	262.9	Lg	23:51:33.254	-1.3	T__			15121208	FDSN	HU	--	BUD	iLoc	BHE	???	_
ABAH	1.63	75.2	Pn	23:51:12.123	1.3	T__			15121209	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A263A	1.65	220.6	Pn	23:51:11.409	0.4	T__			15121210	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	1.65	206.8	Pn	23:51:12.810	1.9	T__			15121211	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.69	185.4	Pn	23:51:11.392	-0.0	T__			15121212	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.70	185.4	Pg	23:51:18.200	2.0	T__			15121213	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.75	264.3	Pn	23:51:11.759	-0.6	T__	0.5	0.14	15121214	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.75	264.3	Sn	23:51:36.145	1.3	T__	5.1	0.42	15121215	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.79	31.4	Pg	23:51:17.500	0.3	T__			15121216	FDSN	IR	--	ISC	iLoc	???	???	_

KOVH	1.89	196.5	Pn	23:51:14.569	0.3	T__								15121217	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.89	196.5	Pg	23:51:21.000	1.0	T__								15121218	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.02	306.1	Pn	23:51:15.600	-0.3	T__								15121219	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.02	306.1	Pg	23:51:15.700	-5.7	---								15121220	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.02	306.1	Sn	23:51:42.346	1.4	T__								15121221	FDSN	CZ	--	BUD	iLoc	BHE	???	_
BEHE	2.02	225.7	Pn	23:51:16.958	0.6	T__								15121222	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	2.02	225.7	Sn	23:51:42.594	0.4	T__								15121223	FDSN	HU	--	BUD	iLoc	BHE	???	_
BEHE	2.02	225.7	Pg	23:51:23.000	0.5	T__								15121224	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.03	271.9	Pn	23:51:15.867	-0.4	T__								15121225	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	2.03	271.9	Pn	23:51:15.968	-0.3	T__			0.5	0.14	---			15121226	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.03	271.9	Pg	23:51:16.500	-6.0	---								15121227	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.03	271.9	Sn	23:51:41.661	0.0	T__			1.1	0.26	---			15121228	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.07	313.8	Pn	23:51:16.800	0.2	T__								15121229	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.07	313.8	Pn	23:51:16.800	0.2	T__								15121230	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.07	313.8	Sn	23:51:42.600	0.4	T__			2.8	0.51	---			15121231	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.07	313.8	Lg	23:51:42.700	-6.8	T__								15121232	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.07	335.4	Pn	23:51:17.000	0.2	T__								15121233	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.07	335.4	Pn	23:51:17.000	0.2	T__								15121234	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.07	335.4	Sn	23:51:42.600	-0.5	T__			4.1	0.35	---			15121235	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.36	255.2	Pn	23:51:21.169	0.5	T__			0.2	0.20	---			15121236	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.36	255.2	Pg	23:51:33.600	5.1	---								15121237	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.36	255.2	Sn	23:51:50.382	1.0	T__			1.8	0.40	---			15121238	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.36	255.2	Pn	23:51:21.426	0.7	T__								15121239	FDSN	OE	--	BUD	iLoc	BHZ	???	_
SIRR	2.51	129.6	Pn	23:51:23.205	0.1	T__								15121240	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CKRC	3.18	288.5	Pn	23:51:32.000	-0.1	T__								15121241	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.73	291.2	Pn	23:51:39.600	-0.1	T__								15121242	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
 2018/05/14 06:57:01.45 1.01 0.96 47.0960 18.0089 6.2 4.3 82 0.0S 15 8 106 0.32 1.52 m sx BUD 15121120 iLoc 173
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 7 BUD 15121120

Sta	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	0.32	32.6	Pg	06:57:09.173	0.8	T__										15121122	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.32	32.6	Lg	06:57:13.515	-0.2	T__										15121123	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	0.33	283.2	Pg	06:57:09.030	0.5	T__										15121124	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.33	283.2	Lg	06:57:14.209	0.2	T__										15121125	FDSN	HU	--	BUD	iLoc	BHE	???	_
A268A	0.34	350.2	Pg	06:57:09.091	0.3	T__										15121126	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.34	350.2	Lg	06:57:13.074	-1.3	T__										15121127	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	0.98	153.3	Pg	06:57:21.065	-0.1	T__										15121128	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.98	153.3	Lg	06:57:35.501	-0.5	T__										15121129	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.01	176.4	Pn	06:57:22.364	0.4	T__										15121130	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.01	176.4	Lg	06:57:36.860	-0.4	T__										15121131	FDSN	HU	--	BUD	iLoc	BHE	???	_
A335A	1.37	9.1	Pn	06:57:27.779	0.8	T__										15121132	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.37	9.1	Sn	06:57:44.063	-2.6	T__										15121133	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	1.51	21.4	Sn	06:57:49.808	-0.2	T__										15121134	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.52	56.5	Pn	06:57:29.540	0.2	T__										15121135	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.52	56.5	Sn	06:57:51.556	0.6	T__										15121136	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
2018/05/14	07:05:00.87	1.73	1.13	48.0454	20.6953	14.7	5.6	155	0.0S	5	3	201	0.44	0.55	m	kx	BUD	15121137	iLoc			287
2018/05/14	07:05:01.10f		0.81	48.0750	20.6990f				0.0S	5		195	0.42	0.56	m	kx	BUD_GT	15136965	BUD			282

(GT info : GT2 explosion)
 (locality : Miskolc-Mexikóvölgy Hungary)
 (description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.3	2	BUD	15136965

Sta	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	0.42	58.4	Pg	07:05:10.524	0.7					T__						15137780	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.42	58.4	Lg	07:05:16.665	-0.5					T__						15137781	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.43	340.8	Lg	07:05:17.008	0.4					T__						15137782	FDSN	SK	--	BUD	BUD	EHE	???	_
PSZ	0.56	254.1	Pg	07:05:13.406	0.2					T__						15137783	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.56	254.1	Lg	07:05:20.816	-1.5					T__						15137784	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
2018/05/14	08:45:42.64	1.30	0.69	45.5972	17.2827	10.0	5.7	18	0.0S	9	5	177	0.43	1.13	m	sx	BUD	15121263	iLoc			232

(description : suspected quarry blast)
 (locality : Batinjska-Rijeka Croatia)

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15121263

Sta	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	0.43	111.9	Pg	08:45:51.894	0.3					T__						15121265	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.43	111.9	Lg	08:45:58.340	-0.1					T__						15121266	FDSN	Z3	--	BUD	iLoc	BHE	???	_
KOVH	0.75	49.0	Pg	08:45:58.414	0.2					T__						15121267	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.75	49.0	Lg	08:46:10.902	0.9					T__						15121268	FDSN	HU	--	BUD	iLoc	BHZ	???	_
PTJ	0.97	289.1	Pn	08:46:03.182	0.1					T__						15121269	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.97	289.1	Lg	08:46:16.342	-0.2					T__						15121270	FDSN	CR	--	BUD	iLoc	BHN	???	_
KOGS	1.11	320.2	Lg	08:46:21.342	0.1					T__						15121271	FDSN	SL	--	BUD	iLoc	BHN	???	_
MORH	1.13	56.5	Pg	08:46:05.209	-0.3					T__						15121272	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.13	56.5	Lg	08:46:20.959	-1.3					T__						15121273	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
2018/05/14	08:48:34.44	3.55	1.02	48.7045	20.6143	30.0	11.4	156	0.0S	5	3	282	0.24	0.92	m	kx	BUD	15121243	iLoc			349

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

Magnitude	Err	Nsta	Author	OrigID	
ML	1.6	0.2	3	BUD	15121243

Sta	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	201.1	Pg	08:48:39.362	0.0					T__	35.2	148.9			MLv	2.1	15121245	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_

KECS	0.24	201.1	Lg	08:48:43.915	0.8	T__								15121246	FDSN	SK	--	BUD	iLoc	EHN	???	_
(Station ML : 2.1 1)																						
ABAH	0.58	134.3	Pg	08:48:45.946	-0.2	T__	2.8	5.4			MLv	1.6	15121247	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.6 1)																						
PSZ	0.92	211.7	Pn	08:48:54.226	0.3	T__	1.4	2.6			MLv	1.4	15121248	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.92	211.7	Lg	08:49:06.898	-1.2	T__							15121249	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
2018/05/14	09:01:24.72	1.20	0.84	48.5901	20.7828	9.4	4.8	172	0.0S		11	7	148	0.22	5.06	m	kx	BUD	15121274	iLoc		216
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.2	5	BUD	15121274

Sta	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	241.7	Pg	09:01:29.606	0.2					T__						15121276	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	241.7	Lg	09:01:33.203	0.2					T__						15121277	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.42	133.9	Pg	09:01:34.351	1.0					T__						15121278	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.42	133.9	Lg	09:01:39.772	-0.9					T__						15121279	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.55	54.9	Pg	09:01:34.979	-0.3					T__						15121280	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.90	221.8	Pg	09:01:42.853	-0.7					T__						15121281	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	221.8	Lg	09:01:57.380	-0.1					T__						15121282	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.30	266.5	Pn	09:01:50.128	0.8					T__						15121283	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	266.5	Sn	09:02:08.237	-0.5					T__						15121284	FDSN	SK	--	BUD	iLoc	HHN	???	_
PLOR	4.85	122.2	Pn	09:02:45.148	5.1					---						15121285	FDSN	IR	--	ISC	iLoc	???	???	_
PLOR	4.85	122.2	Sn	09:02:51.314	-46.1					---						15121286	FDSN	IR	--	ISC	iLoc	???	???	_
VRI	4.88	121.7	Pn	09:02:45.300	4.8					---						15121287	FDSN	IR	--	ISC	iLoc	???	???	_
VRI	4.88	121.7	Sn	09:02:50.993	-47.2					---						15121288	FDSN	IR	--	ISC	iLoc	???	???	_
SPBR	4.96	122.7	Pn	09:02:42.805	1.1					T__						15121289	FDSN	IR	--	ISC	iLoc	???	???	_
SPBR	4.96	122.7	Sn	09:02:48.009	-52.3					---						15121290	FDSN	IR	--	ISC	iLoc	???	???	_
BISRR	5.06	124.7	Pn	09:02:42.176	-1.0					T__						15121291	FDSN	IR	--	ISC	iLoc	???	???	_
BISRR	5.06	124.7	Sn	09:02:46.672	-56.5					---						15121292	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
2018/05/14	09:13:19.17	1.23	0.78	48.4019	19.5167	6.8	4.1	179	0.0S		11	7	105	0.38	1.15	m	sx	BUD	15121293	iLoc		160
(description : suspected quarry blast)																						
(locality : Tuhár Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15121293

Sta	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	0.38	244.2	Pg	09:13:27.646	0.6					T__						15121295	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.38	244.2	Lg	09:13:33.571	0.7					T__						15121296	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.46	281.8	Pg	09:13:28.791	0.2					T__						15121297	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.46	281.8	Lg	09:13:34.937	-0.6					T__						15121298	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.55	152.3	Pg	09:13:31.223	0.3					T__						15121299	FDSN	GE	--	BUD	iLoc	BHZ	???	_

PSZ	0.55	152.3	Lg	09:13:39.347	-0.4	T__	---	15121300	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.65	82.5	Pg	09:13:32.967	0.8	T__	---	15121301	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.65	82.5	Lg	09:13:41.015	-1.0	T__	---	15121302	FDSN	SK	--	BUD	iLoc	EHN	???	_
A335A	0.79	273.7	Lg	09:13:45.412	-1.1	T__	---	15121303	FDSN	Z3	00	BUD	iLoc	HHN	???	_
NIE	1.15	27.0	Lg	09:13:57.576	0.3	T__	---	15121304	FDSN	PL	--	BUD	iLoc	BHE	???	_
ABAH	1.15	94.6	Sn	09:13:59.062	-0.6	T__	---	15121305	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/05/15	07:21:12.36	1.30	1.24	47.8666	19.8955	8.0	4.4	146	0.0S	12	8	156	0.05	1.74	m	kx	BUD	15121306	iLoc			193
2018/05/15	07:21:11.56f		1.17	47.8285	19.9317f				0.0S	12		160	0.09	1.73	m	kx	BUD_GT	15135365	BUD			198

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	5	BUD	15135365

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.09	344.4	Pg	07:21:13.570	-0.7					T__						15137785	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.09	344.4	Lg	07:21:15.805	-0.6					T__						15137786	FDSN	GE	--	BUD	BUD	BHN	???	_
A336A	0.75	303.2	Lg	07:21:37.172	-0.5					T__						15137787	FDSN	Z3	00	BUD	BUD	HH2	???	_
KECS	0.75	29.3	Pn	07:21:28.045	-0.4					T__						15137788	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.75	29.3	Lg	07:21:37.580	-0.5					T__						15137789	FDSN	SK	--	BUD	BUD	EHE	???	_
ABAH	0.99	61.4	Lg	07:21:46.262	-1.3					T__						15137792	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	0.99	312.6	Pn	07:21:31.721	-0.1					T__						15137790	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.99	312.6	Lg	07:21:44.240	-1.9					T__						15137791	FDSN	SK	--	BUD	BUD	HHN	???	_
A269A	1.06	260.3	Pg	07:21:34.132	1.2					T__						15137793	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	1.06	260.3	Sn	07:21:46.633	-2.5					T__						15137794	FDSN	Z3	00	BUD	BUD	HHN	???	_
LANS	1.36	347.0	Pg	07:21:37.882	-0.3					T__						15137795	FDSN	SK	--	BUD	BUD	EHZ	???	_
A266A	1.73	221.7	Sn	07:22:06.996	1.4					T__						15137796	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
2018/05/15	07:52:08.51	1.13	1.32	48.6141	18.6619	9.2	4.6	53	0.0S	10	7	105	0.17	1.77	m	kx	BUD	15121320	iLoc			176

(locality : Bzenica Slovakia)
 (description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15121320

Sta	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	0.17	136.0	Pg	07:52:13.046	1.0					T__						15121322	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.17	136.0	Lg	07:52:14.102	-0.6					T__						15121323	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	0.23	325.6	Lg	07:52:15.590	-1.2					T__						15121324	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	0.27	232.4	Lg	07:52:17.302	-1.2					T__						15121325	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.44	149.4	Pg	07:52:18.632	1.1					T__						15121326	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.44	149.4	Lg	07:52:23.199	-0.9					T__						15121327	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A331A	0.61	331.7	Pg	07:52:21.403	0.9					T__						15121328	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
PSZ	1.08	129.8	Pn	07:52:30.375	0.2					T__						15121329	FDSN	GE	--	BUD	iLoc	BHZ	???	_

PSZ	1.08	129.8	Lg	07:52:44.639	-2.2	T__	---	15121330	FDSN	GE	--	BUD	iLoc	BHE	???	_
OJC	1.77	24.4	Sn	07:53:05.032	-0.3	T__	---	15121331	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
2018/05/15	08:06:22.33	1.14	1.13	48.5964	20.7587	8.0	4.5	155	0.0S	12	6	112	0.21	1.23	m	kx	BUD	15121332	iLoc		189	
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15121332

Sta	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	238.1	Pg	08:06:27.382	0.6					T__						15121334	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	238.1	Lg	08:06:29.947	-0.3					T__						15121335	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	238.1	Lg	08:06:31.400	1.1					T__		2.3				15121336	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.44	133.0	Lg	08:06:36.699	-2.1					T__						15121337	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.56	56.4	Pg	08:06:34.176	1.2					T__						15121338	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	56.4	Lg	08:06:42.457	0.2					T__						15121339	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.89	220.7	Pn	08:06:41.380	-0.1					T__						15121340	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	220.7	Lg	08:06:54.140	-0.8					T__						15121341	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.02	303.5	Pg	08:06:40.700	-1.6					T__		0.0				15121342	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.02	303.5	Pn	08:06:43.021	-0.1					T__						15121343	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.23	253.4	Pn	08:06:46.416	0.6					T__						15121344	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A336A	1.23	253.4	Lg	08:07:05.618	0.8					T__						15121345	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
2018/05/15	09:05:33.58	1.17	0.73	46.2705	18.4563	5.4	4.5	65	0.0S	13	7	119	0.14	1.10	m	kx	BUD	15121346	iLoc		214	
2018/05/15	09:05:33.66f		0.69	46.2651	18.4494f				0.0S	13		116	0.14	1.11	m	kx	BUD_GT	15136968	BUD		213	
(description : known quarry blast)																						
(locality : Nagymányok Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15136968

Sta	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	0.14	110.0	Pg	09:05:37.064	-0.1					T__						15137797	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.14	110.0	Lg	09:05:39.616	-0.4					T__						15137798	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.29	333.9	Lg	09:05:45.010	-0.1					T__						15137799	FDSN	Z3	00	BUD	BUD	HHE	???	_
KOVH	0.30	234.1	Pg	09:05:40.107	-0.1					T__						15137800	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.30	234.1	Lg	09:05:45.090	-0.3					T__						15137801	FDSN	HU	--	BUD	BUD	BHN	???	_
A263A	0.87	296.0	Lg	09:06:05.192	0.4					T__						15137802	FDSN	Z3	00	BUD	BUD	HHN	???	_
A252A	0.93	207.1	Pg	09:05:52.694	0.3					T__						15137803	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.93	207.1	Lg	09:06:06.744	-0.2					T__						15137804	FDSN	Z3	--	BUD	BUD	BHN	???	_
MPLH	1.10	325.7	Pg	09:05:55.713	-0.2					T__						15137805	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	1.10	325.7	Pg	09:05:56.400	0.5					T__		0.0				15137806	FDSN	IR	--	ISC	BUD	???	???	_
MPLH	1.10	325.7	Lg	09:06:10.700	-1.6					T__						15137807	FDSN	HU	--	BUD	BUD	BHE	???	_
MPLH	1.10	325.7	Lg	09:06:11.300	-1.2					T__		0.0				15137808	FDSN	IR	--	ISC	BUD	???	???	_

CSKK 1.11 353.3 Lg 09:06:11.300 -1.2 T__ --- 15137809 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
2018/05/15	10:50:41.82	1.88	0.71	47.2064	18.3536	13.8	8.4	101	0.0S	5	3	190	0.17	1.01	m	kx	BUD	15121361	iLoc			288
2018/05/15	10:50:42.69f		0.68	47.2302	18.2835f				0.0S	5		172	0.13	1.04	m	kx	BUD_GT	15135376	BUD			270

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	2	BUD	15135376

Sta	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	10:50:46.354	0.3					T__						15137810	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:50:48.292	-0.4					T__						15137811	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:50:53.624	0.3					T__						15137812	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:51:01.795	0.5					T__						15137813	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Lg	10:51:17.964	-1.3					T__						15137814	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
2018/05/16	07:06:42.14	1.01	0.69	48.6383	20.7187	11.0	3.8	149	0.0S	15	9	144	0.22	1.60	m	kx	BUD	15121368	iLoc			156

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5	7	BUD	15121368

Sta	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	225.0	Pg	07:06:46.951	0.2					T__						15121370	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	225.0	Lg	07:06:50.632	0.4					T__						15121371	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	225.0	Lg	07:06:51.400	1.2					T__		0.9				15121372	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.56	61.5	Pg	07:06:53.689	0.8					T__						15121373	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	61.5	Lg	07:07:01.784	-0.3					T__						15121374	FDSN	SK	--	BUD	iLoc	HHE	???	_
STHS	0.85	23.7	Pn	07:07:00.046	-0.7					T__						15121375	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PSZ	0.91	217.7	Pn	07:07:01.492	0.0					T__						15121376	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	217.7	Lg	07:07:14.709	-0.6					T__						15121377	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	0.97	302.3	Pn	07:07:02.726	0.4					T__						15121378	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KOLS	1.07	73.4	Pn	07:07:04.065	0.1					T__						15121379	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.07	73.4	Lg	07:07:19.431	-0.3					T__						15121380	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.21	251.2	Sn	07:07:23.912	0.1					T__						15121381	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.26	264.1	Pg	07:07:07.520	0.3					T__						15121382	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	264.1	Sn	07:07:24.160	-1.0					T__						15121383	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	1.60	264.0	Sn	07:07:32.455	-1.0					T__						15121384	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
2018/05/16	08:56:04.34	1.50	0.86	47.3808	18.4396	9.3	7.8	99	0.0S	5	4	112	0.12	1.17	m	kx	BUD	15121385	iLoc			201

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

Magnitude	Err	Nsta	Author	OrigID
M	2.3	1	BUD	15121385

Sta	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	261.9	Pg	08:56:07.846	0.4					T__						15121387	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.12	261.9	Lg	08:56:09.265	-0.7					T__						15121388	FDSN	HU	--	BUD	iLoc	HHN	???	_
SR0	0.44	348.9	Lg	08:56:20.829	0.4					T__						15121389	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	1.12	60.8	Sn	08:56:43.160	-0.8					T__						15121390	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	1.17	173.0	Lg	08:56:45.515	0.3					T__						15121391	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
2018/05/16	10:01:50.86	0.34	0.71	48.1720	16.8974	3.6	2.2	157	0.0F	0.0	13	3		0.62	1.31	a	kx VIE	15105786	ISC			360
2018/05/16	10:01:50.78	0.96	0.79	48.1508	16.9325	5.1	3.1	148	0.0S		25	12	85	0.12	1.32	m	kx BUD	15121392	iLoc			141

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15105786
ml	1.7		VIE	15105786
M	1.7	6	BUD	15121392

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.12	68.2	Pg	10:01:53.665	-0.2					T__						15121394	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.12	68.2	Lg	10:01:55.958	-0.3					T__						15121395	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	45.9	Pg	10:01:57.212	-0.5					T__						15121396	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	45.9	Lg	10:02:02.820	-0.1					T__						15121397	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.62	223.7	Pg	10:02:02.558	-0.8					T__		0.6	0.12			15121398	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.62	223.7	Lg	10:02:11.516	-1.1					T__		16.3	0.50			15121399	FDSN	IR	--	ISC	iLoc	???	???	_
A009A	0.74	230.4	Lg	10:02:16.401	0.2					T__						15121400	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CONA	0.75	253.2	Pg	10:02:05.839	0.0					T__						15121401	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.75	253.2	Lg	10:02:16.149	-0.9					T__						15121402	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.75	253.2	Pg	10:02:05.469	-0.3					T__		0.4	0.16			15121403	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	253.2	Lg	10:02:16.801	-0.2					T__		5.7	0.34			15121404	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.78	159.7	Lg	10:02:19.646	1.3					T__						15121405	FDSN	HU	--	BUD	iLoc	HHE	???	_
JAVC	0.86	34.4	Pn	10:02:10.870	1.3					T__						15121406	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.86	34.4	Pn	10:02:10.400	0.9					T__						15121407	FDSN	IR	--	ISC	iLoc	???	???	_
A338A	0.96	97.6	Lg	10:02:23.668	-0.6					T__						15121408	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KRUC	0.98	338.8	Pg	10:02:10.000	0.6					T__						15121409	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	338.8	Lg	10:02:22.300	-1.0					T__						15121410	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	338.8	Pn	10:02:10.309	-0.6					T__						15121411	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MPLH	1.06	157.1	Lg	10:02:25.749	-1.9					T__						15121412	FDSN	HU	--	BUD	iLoc	BHN	???	_
ARSA	1.31	227.1	Pg	10:02:16.579	0.4					T__		1.8	0.38			15121413	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	227.1	Sn	10:02:34.704	0.2					T__		3.7	0.36			15121414	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	227.1	Pg	10:02:16.907	0.7					T__						15121415	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	227.1	Lg	10:02:34.855	-0.2					T__						15121416	FDSN	OE	--	BUD	iLoc	BHE	???	_
VYHS	1.32	74.2	Pg	10:02:16.611	-0.4					T__						15121417	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	74.2	Sn	10:02:34.690	0.0					T__						15121418	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
2018/05/16 10:31:57.09 1.20 0.57 48.3397 19.8429 5.5 3.9 173 0.0S 14 8 83 0.42 1.12 m kx BUD 15121419 iLoc 160
(description : known quarry blast)
(locality : Husina Slovakia)

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Magnitude Err Nsta Author      OrigID
M          1.8      6 BUD      15121419

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.42	175.3	Pg	10:32:06.465	0.1					T__						15121421	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.42	175.3	Lg	10:32:13.030	-0.3					T__						15121422	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.45	71.2	Pg	10:32:06.408	0.2					T__						15121423	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.45	71.2	Lg	10:32:13.122	-0.1					T__						15121424	FDSN	SK	--	BUD	iLoc	EHE	???	_
A336A	0.57	259.6	Pg	10:32:08.964	0.2					T__						15121425	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.57	259.6	Lg	10:32:16.274	-1.0					T__						15121426	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.69	283.3	Pg	10:32:11.198	0.2					T__						15121427	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.69	283.3	Lg	10:32:21.228	0.1					T__						15121428	FDSN	SK	--	BUD	iLoc	HHN	???	_
LANS	0.85	343.1	Lg	10:32:26.015	-0.2					T__						15121429	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.93	92.2	Pg	10:32:16.211	0.7					T__						15121430	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.93	92.2	Lg	10:32:30.034	-0.8					T__						15121431	FDSN	HU	--	BUD	iLoc	HHE	???	_
A338A	1.05	252.5	Pg	10:32:18.729	0.6					T__						15121432	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.05	252.5	Sn	10:32:34.178	0.1					T__						15121433	FDSN	Z3	00	BUD	iLoc	HH3	???	_
NIE	1.12	15.9	Lg	10:32:33.551	-0.9					T__						15121434	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
2018/05/16 10:47:47.48 1.31 0.91 48.1071 19.0119 4.8 4.0 83 0.0S 14 9 111 0.13 1.37 m kx BUD 15121435 iLoc 182
(description : known quarry blast)
(locality : Horne-Turovce Slovakia)

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Magnitude Err Nsta Author      OrigID
M          1.5      5 BUD      15121435

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Sta	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	0.13	356.1	Pg	10:47:50.707	0.4					T__						15121437	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.13	356.1	Lg	10:47:52.697	0.3					T__						15121438	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A270A	0.26	179.0	Pg	10:47:53.899	0.7					T__						15121439	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.26	179.0	Lg	10:47:58.134	0.6					T__						15121440	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.40	343.2	Pg	10:47:56.616	0.8					T__						15121441	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.40	343.2	Lg	10:48:01.463	-0.5					T__						15121442	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.45	258.5	Pg	10:47:56.932	0.1					T__						15121443	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.45	258.5	Lg	10:48:03.661	-0.0					T__						15121444	FDSN	Z3	00	BUD	iLoc	HH2	???	_
SRD	0.55	238.2	Lg	10:48:06.933	-0.2					T__						15121445	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	0.62	107.3	Pg	10:48:01.325	0.5					T__						15121446	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.62	107.3	Lg	10:48:09.011	-1.8					T__						15121447	FDSN	GE	--	BUD	iLoc	BHN	???	_
JAVC	1.17	310.6	Lg	10:48:26.391	-1.3					T__						15121448	FDSN	CZ	--	BUD	iLoc	BHE	???	_
EGYH	1.33	239.2	Lg	10:48:32.277	-0.7					T__						15121449	FDSN	HU	--	BUD	iLoc	HHE	???	_
MPLH	1.37	227.3	Lg	10:48:33.177	-1.1					T__						15121450	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
2018/05/17	07:37:43.61	1.11	1.12	48.7343	18.6406	8.6	4.7	65	16.6F	7.7	14	9	167	0.14	1.27	m	ke BUD	15121461	iLoc			185

Magnitude	Err	Nsta	Author	OrigID
M	1.8	4	BUD	15121461

Sta	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	0.14	301.1	Pg	07:37:47.098	-0.6					T__						15121463	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.14	301.1	Lg	07:37:51.006	0.4					T__						15121464	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.27	151.6	Lg	07:37:55.491	1.0					T__						15121465	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.35	215.2	Lg	07:37:58.175	1.4					T__						15121466	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A331A	0.50	326.5	Lg	07:38:02.129	1.1					T__						15121467	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.65	281.4	Pg	07:37:55.128	-1.8					T__						15121468	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.65	281.4	Sn	07:38:09.347	1.1					T__						15121469	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A338A	0.74	195.1	Pg	07:37:57.899	-0.8					T__						15121470	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.74	195.1	Lg	07:38:09.890	0.8					T__						15121471	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A337A	0.75	229.4	Lg	07:38:09.592	0.4					T__						15121472	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	1.17	133.8	Pn	07:38:04.068	-0.6					T__						15121473	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.17	133.8	Sn	07:38:21.669	0.5					T__						15121474	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORC	1.27	325.8	Pg	07:38:06.463	-0.6					T__						15121475	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.27	325.8	Sn	07:38:24.410	1.0					T__						15121476	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
2018/05/17	08:06:49.83	1.46	0.37	48.5665	20.7436	11.2	6.3	141	0.0S		8	6	167	0.19	1.53	m	kx BUD	15121451	iLoc			276

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15121451

Sta	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	244.2	Pg	08:06:54.012	0.2					T__						15121453	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	244.2	Lg	08:06:57.348	0.4					T__						15121454	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.58	54.5	Pg	08:07:01.023	0.0					T__						15121455	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.86	221.5	Pg	08:07:07.472	-0.5					T__						15121456	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	221.5	Lg	08:07:21.774	0.4					T__						15121457	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.03	305.2	Pg	08:07:09.649	-0.3					T__						15121458	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.27	267.4	Pg	08:07:15.108	-0.0					T__						15121459	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A332A	1.53	279.8	Pn	08:07:17.582	-0.1					T__						15121460	FDSN	Z3	00	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
2018/05/17	09:09:48.78	0.16	0.45	46.9524	22.2498	1.3	1.3	32	2.0A		28		95	0.35	2.46	a	ke BUC	15105814	ISC			360
2018/05/17	09:09:47.81	0.91	0.83	46.9834	22.2653	3.8	3.1	35	0.0S		47	17	90	0.35	2.48	m	sx BUD	15121489	iLoc			130

(description : suspected quarry blast)
(locality : Podgorje Croatia)

Magnitude	Err	Nsta	Author	OrigID
m1	2.0		BUC	15105814
M	2.0	6	BUD	15121489

Sta	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	0.35	288.2	Pg	09:09:56.285	0.9					T__						15121491	FDSN	IR	--	ISC	iLoc	???	???	-
BORR	0.35	288.2	Pg	09:09:56.285	0.9					T__						15121492	FDSN	IR	--	ISC	iLoc	???	???	-
BORR	0.35	288.2	Lg	09:09:59.338	-2.1					T__						15121493	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	0.36	121.9	Pg	09:09:55.611	0.3					T__				_c_		15121494	FDSN	RO	--	BUD	iLoc	BHZ	???	-
DRGR	0.36	121.9	Lg	09:10:00.862	-0.7					T__						15121495	FDSN	RO	--	BUD	iLoc	BHN	???	-
LTVH	0.47	328.4	Pg	09:09:58.584	0.7					T__						15121496	FDSN	IR	--	ISC	iLoc	???	???	-
LTVH	0.47	328.4	Pg	09:09:58.584	0.7					T__						15121497	FDSN	IR	--	ISC	iLoc	???	???	-
LTVH	0.47	328.4	Lg	09:10:05.222	-1.0					T__						15121498	FDSN	IR	--	ISC	iLoc	???	???	-
MESR	0.50	70.1	Pg	09:09:58.621	0.7					T__						15121499	FDSN	IR	--	ISC	iLoc	???	???	-
MESR	0.50	70.1	Pg	09:09:58.621	0.7					T__						15121500	FDSN	IR	--	ISC	iLoc	???	???	-
MESR	0.50	70.1	Lg	09:10:05.091	-1.2					T__						15121501	FDSN	IR	--	ISC	iLoc	???	???	-
MARR	0.66	117.4	Pg	09:10:01.087	-0.0					T__						15121503	FDSN	IR	--	ISC	iLoc	???	???	-
MARR	0.66	117.4	Pg	09:10:01.087	-0.0					T__						15121502	FDSN	IR	--	ISC	iLoc	???	???	-
MARR	0.66	117.4	Lg	09:10:10.474	-1.4					T__						15121504	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	0.95	106.0	Pn	09:10:08.011	-0.0					T__						15121505	FDSN	RO	--	BUD	iLoc	BHZ	???	-
CJR	0.95	106.0	Lg	09:10:20.217	-1.3					T__						15121506	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	0.95	106.0	Lg	09:10:20.492	-1.0					T__						15121507	FDSN	RO	--	BUD	iLoc	BHN	???	-
BMR	1.09	50.1	Pn	09:10:09.908	0.0					T__						15121508	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BMR	1.09	50.1	Lg	09:10:25.851	-0.8					T__						15121509	FDSN	RO	--	BUD	iLoc	BHE	???	-
BMR	1.09	50.0	Pg	09:10:09.609	0.6					T__						15121510	FDSN	IR	--	ISC	iLoc	???	???	-
BMR	1.09	50.0	Pg	09:10:09.609	0.6					T__						15121511	FDSN	IR	--	ISC	iLoc	???	???	-
TRPA	1.16	9.1	Pg	09:10:10.182	-0.2					T__						15121512	FDSN	HU	--	BUD	iLoc	BHZ	???	-
DEV	1.18	158.0	Pn	09:10:11.872	1.2					T__						15121513	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BZS	1.43	197.8	Pn	09:10:14.814	0.7					T__						15121514	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BZS	1.44	198.4	Pn	09:10:15.049	0.8					T__						15121515	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	1.44	198.4	Pn	09:10:15.049	0.8					T__						15121516	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	1.44	198.4	Sn	09:10:35.487	0.5					T__						15121517	FDSN	IR	--	ISC	iLoc	???	???	-
ABAH	1.49	332.5	Pn	09:10:14.814	-0.4					T__						15121518	FDSN	HU	--	BUD	iLoc	HHZ	???	-
GZR	1.63	167.2	Pg	09:10:18.861	-0.1					T__						15121519	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.63	167.2	Pg	09:10:18.861	-0.1					T__						15121520	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.63	167.2	Pg	09:10:19.257	0.3					T__						15121521	FDSN	RO	--	BUD	iLoc	BHZ	???	-
GZR	1.63	167.2	Sn	09:10:40.345	0.1					T__						15121522	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.86	145.2	Pn	09:10:21.510	0.9					T__						15121523	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.86	145.2	Pn	09:10:21.510	0.9					T__						15121524	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.86	145.2	Sn	09:10:46.906	0.6					T__						15121525	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	2.11	177.1	Pn	09:10:24.794	1.0					T__						15121526	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	2.11	177.1	Pn	09:10:24.794	1.0					T__						15121527	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	2.11	177.1	Sn	09:10:51.601	-0.5					T__						15121528	FDSN	IR	--	ISC	iLoc	???	???	-
BURAR	2.11	71.5	Pn	09:10:25.812	1.2					T__						15121529	FDSN	IR	--	ISC	iLoc	???	???	-
BURAR	2.11	71.5	Pn	09:10:25.812	1.2					T__						15121530	FDSN	IR	--	ISC	iLoc	???	???	-
BURAR	2.11	71.5	Sn	09:10:53.495	0.5					T__						15121531	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	2.24	190.1	Pn	09:10:26.031	0.2					T__						15121532	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	2.24	190.1	Pn	09:10:26.031	0.2					T__						15121533	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	2.24	190.1	Sn	09:10:54.748	-0.9					T__						15121534	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	2.48	127.6	Pn	09:10:30.393	0.8					T__						15121535	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	2.48	127.6	Pn	09:10:30.393	0.8					T__						15121536	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	2.48	127.6	Sn	09:11:01.682	-0.5					T__						15121537	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
2018/05/17	09:43:27.98	1.12	1.02	47.2148	18.3918	8.4	5.4	93	0.0S	10	9	136	0.17	1.59	m	kx	BUD	15121477	iLoc			153
2018/05/17	09:43:28.38f		1.24	47.2302	18.2835f				0.0S	10		127	0.13	1.58	m	kx	BUD_GT	15135393	BUD			142

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

Magnitude	Err	Nsta	Author	OrigID
M	1.9	4	BUD	15135393

Sta	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	09:43:32.527	0.8					T__						15137815	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	09:43:35.123	0.7					T__						15137816	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Pg	09:43:36.644	1.4					T__						15137817	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MPLH	0.51	263.5	Lg	09:43:47.380	0.4					T__						15137818	FDSN	HU	--	BUD	BUD	BHE	???	_
A266A	0.71	181.1	Pg	09:43:42.774	0.0					T__						15137819	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.79	38.7	Lg	09:43:53.656	-3.3					T__						15137820	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	1.04	166.1	Lg	09:44:04.379	-0.6					T__						15137821	FDSN	HU	--	BUD	BUD	BHE	???	_
A336A	1.11	25.4	Sn	09:44:06.648	-0.5					T__						15137822	FDSN	Z3	00	BUD	BUD	HH2	???	_
KOVH	1.15	186.4	Sn	09:44:07.703	-0.7					T__						15137823	FDSN	HU	--	BUD	BUD	BHE	???	_
A332A	1.58	4.3	Pn	09:43:57.092	0.3					T__						15137824	FDSN	Z3	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	
2018/05/17	17:04:49.20		0.30	46.1470	16.4590				20.1A							a	ke	LJU	15105893	ISC			360
2018/05/17	17:04:48.75	0.77	0.58	46.1907	16.5246	5.3	3.1	115	8.0F	0.0	14		3	1.14	1.52	a	ke	VIE	15105889	ISC			360
2018/05/17	17:04:48.58	0.97	0.77	46.1191	16.5288	2.7	2.4	150	6.9F	5.3	80	49	58	0.05	2.54	m	ke	BUD	15121558	iLoc			69

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		LJU	15105893
mb	1.3		VIE	15105889
m1	1.9		VIE	15105889
M	2.2	16	BUD	15121558

Sta	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	0.05	283.4	Pg	17:04:50.160	-0.5					T__						15121560	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.05	283.4	Lg	17:04:51.150	-1.2					T__						15121561	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.32	276.6	Pg	17:04:55.030	-0.2					T__						15121562	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.38	329.7	Pg	17:04:56.730	0.4					T__						15121563	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.38	329.7	Lg	17:05:02.050	-0.1					T__						15121564	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.38	329.7	IAML	17:05:03.270	-99.0					---		61.0	0.12	---		15121565	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.38	329.7	Pg	17:04:56.469	0.1					T__						15121566	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.38	329.7	Lg	17:05:02.259	0.2					T__						15121567	FDSN	SL	--	BUD	iLoc	BHN	???	_
BEHE	0.39	25.9	Pg	17:04:57.146	0.4					T__						15121568	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.39	25.9	Lg	17:05:03.497	0.7					T__						15121569	FDSN	HU	--	BUD	iLoc	BHE	???	_
PTJ	0.44	241.7	Pg	17:04:57.649	0.2					T__						15121570	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.44	241.7	Lg	17:05:04.123	-0.2					T__						15121571	FDSN	CR	--	BUD	iLoc	BHN	???	_
ZAG	0.48	232.5	Lg	17:05:04.630	-0.8					T__						15121572	FDSN	IR	--	ISC	iLoc	???	???	_

MOSL	0.53	162.6	Pg	17:04:59.030	-0.3	T__	---	15121573	FDSN	IR	--	ISC	iLoc	???	???	-
MOSL	0.53	162.6	Lg	17:05:05.970	-1.5	T__	---	15121574	FDSN	IR	--	ISC	iLoc	???	???	-
A264A	0.53	85.3	Pg	17:05:00.127	0.7	T__	---	15121575	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A264A	0.53	85.3	Lg	17:05:08.204	0.7	T__	---	15121576	FDSN	Z3	00	BUD	iLoc	HHE	???	-
GOLS	0.64	260.6	Pg	17:05:02.180	1.0	T__	---	15121577	FDSN	IR	--	ISC	iLoc	???	???	-
GOLS	0.64	260.6	IAML	17:05:15.640	-99.0	---	5.3 0.13	15121578	FDSN	IR	--	ISC	iLoc	???	???	-
GCIS	0.68	248.5	Pg	17:05:02.330	0.5	T__	---	15121579	FDSN	IR	--	ISC	iLoc	???	???	-
GCIS	0.68	248.5	IAML	17:05:15.840	-99.0	---	18.9 0.20	15121580	FDSN	IR	--	ISC	iLoc	???	???	-
DOBS	0.74	272.7	Pg	17:05:03.380	0.5	T__	---	15121581	FDSN	IR	--	ISC	iLoc	???	???	-
DOBS	0.74	272.7	IAML	17:05:15.000	-99.0	---	2.9 0.08	15121582	FDSN	IR	--	ISC	iLoc	???	???	-
A262A	0.75	359.9	Pn	17:05:04.573	-0.2	T__	---	15121583	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A262A	0.75	359.9	Lg	17:05:15.490	1.2	T__	---	15121584	FDSN	Z3	00	BUD	iLoc	HHE	???	-
A263A	0.75	45.9	Pg	17:05:03.878	0.1	T__	---	15121585	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A263A	0.75	45.9	Lg	17:05:14.943	-0.0	T__	---	15121586	FDSN	Z3	00	BUD	iLoc	HHN	???	-
GROS	0.79	296.0	Pg	17:05:04.630	0.6	T__	---	15121587	FDSN	IR	--	ISC	iLoc	???	???	-
GROS	0.79	296.0	Lg	17:05:14.410	-1.1	T__	---	15121588	FDSN	IR	--	ISC	iLoc	???	???	-
GROS	0.79	296.0	IAML	17:05:15.220	-99.0	---	5.0 0.07	15121589	FDSN	IR	--	ISC	iLoc	???	???	-
A021A	0.80	322.9	Pn	17:05:05.807	0.4	T__	---	15121590	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A021A	0.80	322.9	Lg	17:05:15.418	0.1	T__	---	15121591	FDSN	Z3	00	BUD	iLoc	HHN	???	-
CRES	0.80	249.0	Pg	17:05:04.371	0.1	T__	---	15121592	FDSN	SL	--	BUD	iLoc	BHZ	???	-
CRES	0.80	249.0	Lg	17:05:16.297	0.0	T__	---	15121593	FDSN	SL	--	BUD	iLoc	BHN	???	-
CRES	0.80	249.0	Pg	17:05:04.560	0.3	T__	---	15121594	FDSN	IR	--	ISC	iLoc	???	???	-
CRES	0.80	249.0	IAML	17:05:19.460	-99.0	---	6.0 0.17	15121595	FDSN	IR	--	ISC	iLoc	???	???	-
LEGS	0.86	259.0	Pg	17:05:05.980	0.7	T__	---	15121596	FDSN	IR	--	ISC	iLoc	???	???	-
OZLJ	0.90	236.2	Pg	17:05:06.580	0.7	T__	---	15121597	FDSN	IR	--	ISC	iLoc	???	???	-
OZLJ	0.90	236.2	Lg	17:05:18.900	-0.0	T__	---	15121598	FDSN	IR	--	ISC	iLoc	???	???	-
A273A	0.92	102.3	Pn	17:05:07.509	0.3	T__	---	15121599	FDSN	Z3	--	BUD	iLoc	HHZ	???	-
A265A	0.93	70.4	Pn	17:05:07.745	0.4	T__	---	15121600	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A265A	0.93	70.4	Lg	17:05:19.580	-1.1	T__	---	15121601	FDSN	Z3	00	BUD	iLoc	HHE	???	-
A261A	0.94	27.0	Pg	17:05:06.882	-0.4	T__	---	15121602	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A261A	0.94	27.0	Lg	17:05:21.089	0.2	T__	---	15121603	FDSN	Z3	00	BUD	iLoc	HHN	???	-
A010A	1.00	342.2	Pn	17:05:08.641	0.4	T__	---	15121604	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A010A	1.00	342.2	Sn	17:05:23.039	-0.5	T__	---	15121605	FDSN	Z3	00	BUD	iLoc	HHE	???	-
PDKS	1.07	267.4	Pg	17:05:09.460	0.4	T__	---	15121606	FDSN	IR	--	ISC	iLoc	???	???	-
PDKS	1.07	267.4	IAML	17:05:26.670	-99.0	---	3.3 0.16	15121607	FDSN	IR	--	ISC	iLoc	???	???	-
BOJS	1.08	235.9	Pn	17:05:10.060	0.5	T__	---	15121608	FDSN	IR	--	ISC	iLoc	???	???	-
BOJS	1.08	235.9	IAML	17:05:29.150	-99.0	---	1.5 0.08	15121609	FDSN	IR	--	ISC	iLoc	???	???	-
KOVH	1.09	91.0	Pn	17:05:08.602	-1.0	T__	---	15121610	FDSN	HU	--	BUD	iLoc	BHZ	???	-
KOVH	1.09	91.0	Sn	17:05:23.943	-2.0	T__	---	15121611	FDSN	HU	--	BUD	iLoc	BHE	???	-
PERS	1.11	298.4	Pn	17:05:09.890	0.2	T__	---	15121612	FDSN	IR	--	ISC	iLoc	???	???	-
PERS	1.11	298.4	IAML	17:05:26.860	-99.0	---	12.5 0.22	15121613	FDSN	IR	--	ISC	iLoc	???	???	-
SOKA	1.18	298.9	Pg	17:05:11.288	0.1	T__	0.6 0.30	15121614	FDSN	IR	--	ISC	iLoc	???	???	-
SOKA	1.18	298.9	Lg	17:05:26.201	-1.5	T__	1.2 0.16	15121615	FDSN	IR	--	ISC	iLoc	???	???	-
MPLH	1.26	33.1	Pg	17:05:13.229	-0.3	T__	---	15121616	FDSN	HU	--	BUD	iLoc	BHZ	???	-
MPLH	1.26	33.1	Lg	17:05:32.380	1.2	T__	---	15121617	FDSN	HU	--	BUD	iLoc	BHE	???	-
A266A	1.27	70.7	Pg	17:05:13.892	0.1	T__	---	15121618	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
ARSA	1.33	328.9	Pn	17:05:13.276	0.5	T__	---	15121619	FDSN	OE	--	BUD	iLoc	BHZ	???	-
ARSA	1.33	328.9	Sn	17:05:29.722	-1.6	T__	---	15121620	FDSN	OE	--	BUD	iLoc	BHE	???	-
ARSA	1.33	328.9	Pn	17:05:13.513	0.8	T__	0.7 0.16	15121621	FDSN	IR	--	ISC	iLoc	???	???	-
ARSA	1.33	328.9	Sn	17:05:31.109	-0.2	T__	5.5 0.24	15121622	FDSN	IR	--	ISC	iLoc	???	???	-
A011B	1.35	343.3	Sn	17:05:32.307	0.2	T__	---	15121623	FDSN	Z3	00	BUD	iLoc	HH3	???	-
PLIT	1.39	207.5	Pn	17:05:14.300	0.1	T__	---	15121624	FDSN	IR	--	ISC	iLoc	???	???	-
PLIT	1.39	207.5	Sn	17:05:32.650	-1.1	T__	---	15121625	FDSN	IR	--	ISC	iLoc	???	???	-

BLY	1.41	160.7	Pg	17:05:17.078	1.0	T__								15121626	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.41	160.7	Sn	17:05:34.580	0.9	T__								15121627	FDSN	MN	--	BUD	iLoc	BHN	???	_
EGYH	1.41	22.8	Lg	17:05:34.872	-1.1	T__								15121628	FDSN	HU	--	BUD	iLoc	HHE	???	_
OBKA	1.43	286.6	Pn	17:05:15.198	0.9	T__		0.4	0.14	---				15121629	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.43	286.6	Sn	17:05:34.505	0.2	T__		2.4	0.28	---				15121630	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.43	286.6	Pn	17:05:14.641	0.3	T__				---				15121631	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.43	286.6	Lg	17:05:35.492	-0.1	T__				---				15121632	FDSN	OE	--	BUD	iLoc	BHE	???	_
MORH	1.47	85.5	Lg	17:05:37.892	-0.2	T__				---				15121633	FDSN	HU	--	BUD	iLoc	BHN	???	_
RONA	1.59	354.3	Pn	17:05:17.273	0.7	T__		0.4	0.10	---				15121634	FDSN	IR	--	ISC	iLoc	???	???	_
A012A	1.62	336.8	Pn	17:05:18.644	1.5	T__				---				15121635	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	1.62	336.8	Lg	17:05:41.562	-1.1	T__				---				15121636	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A019A	1.66	323.8	Lg	17:05:41.619	-1.9	T__				---				15121637	FDSN	Z3	00	BUD	iLoc	HH2	???	_
UDBI	1.68	199.0	Pn	17:05:18.700	0.2	T__				---				15121638	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.87	346.1	Pg	17:05:24.054	-1.0	T__				---				15121639	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.87	346.1	Sn	17:05:45.828	0.6	T__				---				15121640	FDSN	OE	--	BUD	iLoc	BHE	???	_
NVLJ	1.95	217.5	Pn	17:05:22.700	0.8	T__				---				15121641	FDSN	IR	--	ISC	iLoc	???	???	_
SMRN	1.99	237.8	Pn	17:05:22.970	0.6	T__				---				15121642	FDSN	IR	--	ISC	iLoc	???	???	_
VIRC	2.10	210.2	Pn	17:05:25.490	1.2	T__				---				15121643	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	2.12	182.4	Pn	17:05:25.210	0.6	T__				---				15121644	FDSN	IR	--	ISC	iLoc	???	???	_
BRJN	2.30	239.1	Pn	17:05:27.430	0.5	T__				---				15121645	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.33	194.8	Pn	17:05:27.980	0.3	T__				---				15121646	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.37	206.6	Pn	17:05:28.980	0.7	T__				---				15121647	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.54	194.6	Pn	17:05:31.310	0.4	T__				---				15121648	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
 2018/05/18 11:19:16.07 1.28 0.69 45.5494 17.3345 5.7 5.2 170 10.7F 9.9 18 11 94 0.38 1.34 m ke BUD 15121649 iLoc 175

Magnitude Err Nsta Author OrigID
 M 1.9 8 BUD 15121649

Sta	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	0.38	107.3	Pg	11:19:24.045	-0.0					T__						15121651	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.38	107.3	Lg	11:19:29.825	-0.3					T__						15121652	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A264A	0.61	357.0	Pg	11:19:28.710	0.1					T__						15121653	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.61	357.0	Lg	11:19:39.090	1.5					T__						15121654	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	0.76	44.5	Pg	11:19:30.052	-1.4					T__						15121655	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.76	44.5	Lg	11:19:43.017	0.7					T__						15121656	FDSN	HU	--	BUD	iLoc	BHE	???	_
BLY	0.77	188.1	Pg	11:19:31.367	0.2					T__						15121657	FDSN	MN	--	BUD	iLoc	BHZ	???	_
A265A	0.93	20.0	Pn	11:19:34.213	-0.1					T__						15121658	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BEHE	1.00	337.3	Pn	11:19:35.240	-0.3					T__						15121659	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	1.00	337.3	Lg	11:19:50.201	0.1					T__						15121660	FDSN	HU	--	BUD	iLoc	BHE	???	_
PTJ	1.02	291.0	Pn	11:19:35.347	-0.4					T__						15121661	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	1.02	291.0	Lg	11:19:49.310	-1.1					T__						15121662	FDSN	CR	--	BUD	iLoc	BHN	???	_
A263A	1.09	359.3	Sn	11:19:52.977	0.4					T__						15121663	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.13	53.5	Pn	11:19:37.244	0.3					T__						15121664	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.13	53.5	Sn	11:19:53.324	0.1					T__						15121665	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOGS	1.17	320.3	Pn	11:19:38.003	0.2					T__						15121666	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.34	282.5	Pn	11:19:40.436	0.3					T__						15121667	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.34	282.5	Sn	11:19:59.257	0.2					T__						15121668	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
2018/05/19	08:59:08.46	1.41	0.97	46.1290	18.3053	8.7	4.8	143	0.0S	7	4	135	0.15	0.76	m	kx	BUD	15121669	iLoc			208
2018/05/19	08:59:08.29f	1.14	46.1765	18.2926f					0.0S	7	122	0.16	0.80	m	kx	BUD_GT	15136971	BUD				206

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.3	3 BUD	15121669
ML	1.2	0.3	3 BUD	15136971

Sta	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	08:59:12.294	0.2					T__		27.5		---	MLv	15137825	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:59:15.461	0.2					T__				---		15137826	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.25	80.7	Pg	08:59:14.199	0.4					T__		6.6		---	MLv	15137827	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:59:18.736	0.6					T__				---		15137828	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Lg	08:59:22.766	1.0					T__				---		15137829	FDSN	Z3	00	BUD	BUD	HHN	???	_
A252A	0.80	202.9	Pg	08:59:24.583	0.0					T__		2.6		---	MLv	15137830	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	08:59:34.135	-2.7					T__				---		15137831	FDSN	Z3	--	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
2018/05/21	07:09:19.42	0.32	0.71	48.4103	17.2542	2.7	1.5	114	0.0F	0.0	14	3	0.96	1.64	a	sx	VIE	15106006	ISC			360
2018/05/21	07:09:18.67	0.96	0.56	48.4123	17.2362	5.2	3.4	112	0.0S	27	10	76	0.05	3.80	m	kx	BUD	15121691	iLoc			133

(locality : Rohoznik Slovakia)
 (description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15106006
ml	1.6		VIE	15106006
M	2.2	5	BUD	15121691

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.05	144.7	Lg	07:09:22.200	0.5					T__				---		15121693	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	0.05	145.4	Pg	07:09:20.635	0.3					T__				---		15121694	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.05	145.4	Lg	07:09:21.514	-0.2					T__				---		15121695	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.23	202.5	Pg	07:09:23.987	0.1					T__				---		15121696	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.23	202.5	Lg	07:09:27.823	0.0					T__				---		15121697	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.53	32.6	Pg	07:09:29.627	-0.0					T__				---		15121698	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.53	32.6	Lg	07:09:37.487	-0.3					T__				---		15121699	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.53	32.6	Pg	07:09:29.400	-0.2					T__				---		15121700	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.86	319.7	Pn	07:09:36.700	-0.3					T__				---		15121701	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.86	319.7	Lg	07:09:47.700	0.6					T__				---		15121702	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.86	319.7	Pn	07:09:36.440	-0.6					T__				---		15121703	FDSN	CZ	--	BUD	iLoc	BHN	???	_
KRUC	0.86	319.7	Lg	07:09:48.663	1.5					T__				---		15121704	FDSN	CZ	--	BUD	iLoc	BHE	???	_
SOP	0.86	212.2	Pn	07:09:37.386	0.2					T__				---		15121705	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.86	212.2	Lg	07:09:47.481	-0.9					T__				---		15121706	FDSN	HU	--	BUD	iLoc	BHE	???	_
RONA	0.95	221.8	Pg	07:09:37.944	0.3					T__		4.6	0.12	---		15121707	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.95	221.8	Lg	07:09:51.837	0.2					T__		6.6	0.30	---		15121708	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.99	334.9	Pn	07:09:38.700	-0.3					T__				---		15121709	FDSN	IR	--	ISC	iLoc	???	???	_

VRAC	0.99	334.9	Pn	07:09:39.165	0.2	T__									15121710	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	0.99	334.9	Sn	07:09:54.037	-0.5	T__									15121711	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CONA	1.04	242.7	Pn	07:09:39.970	0.1	T__									15121712	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.04	242.7	Sn	07:09:56.168	-0.0	T__									15121713	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.04	242.7	Sn	07:09:55.622	-0.6	T__				2.6	0.36				15121714	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.64	225.4	Pg	07:09:50.206	-0.3	T__				0.5	0.28				15121715	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.64	225.4	Lg	07:10:14.110	1.0	T__				0.9	0.32				15121716	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.64	225.4	Pg	07:09:49.724	-0.7	T__									15121717	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.64	225.4	Lg	07:10:13.837	0.7	T__									15121718	FDSN	OE	--	BUD	iLoc	BHE	???	_
KWP	3.80	69.3	Pn	07:10:19.209	0.3	T__									15121719	FDSN	PL	--	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
2018/05/21	08:06:42.23	2.58	0.31	48.5775	20.8152	25.1	7.1	3	0.0S		6	4	223	0.24	1.23	m	kx	BUD	15121720	iLoc		247
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.8	3 BUD	15121720

Sta	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	246.8	Pg	08:06:47.287	0.1					T__	21.7	120.3			MLv	2.0	15121722	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.24	246.8	Lg	08:06:50.899	-0.1					T__						15121723	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 2.0 1																									
ABAH	0.40	134.7	Lg	08:06:57.473	0.2					T__						15121724	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CRVS	0.54	52.5	Pg	08:06:54.384	1.8					---	2.0	1.2			MLv	0.9	15121725	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 0.9 1																									
PSZ	0.90	223.4	Pn	08:07:01.671	0.2					T__	1.4	3.3			MLv	1.5	15121726	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	223.4	Lg	08:07:15.008	-0.2					T__						15121727	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.5 1																									
TRPA	1.23	110.6	Sn	08:07:24.898	-0.4					T__						15121728	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
2018/05/21	12:59:43.27	1.34	1.13	48.3480	17.3535	8.8	4.8	132	0.0S		12	9	179	0.06	1.08	m	kx	BUD	15121742	iLoc		196
(description : known quarry blast)																						
(locality : Rohoznik Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6		7 BUD	15121742

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.06	296.2	Pg	12:59:45.657	0.6					T__						15121744	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.06	296.2	Lg	12:59:47.329	0.7					T__						15121745	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.23	227.9	Pg	12:59:50.411	2.1					T__						15121746	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A334A	0.33	39.7	Pg	12:59:50.465	0.2					T__						15121747	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.55	22.3	Pg	12:59:55.335	0.7					T__						15121748	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.55	22.3	Lg	13:00:02.857	-0.2					T__						15121749	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A001A	0.63	307.2	Lg	13:00:06.675	1.5					T__						15121750	FDSN	Z3	00	BUD	iLoc	HH3	???	_
SOP	0.85	219.0	Pn	13:00:01.045	-0.6					T__						15121751	FDSN	HU	--	BUD	iLoc	BHZ	???	_

KRUC	0.96	318.7	Pg	13:00:00.969	-0.4				T__					15121752	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CONA	1.08	247.8	Pg	13:00:03.459	-1.3				T__					15121753	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.08	247.8	Lg	13:00:19.691	-1.1				T__					15121754	FDSN	OE	--	BUD	iLoc	BHE	???	_
VRAC	1.08	332.7	Pg	13:00:03.928	0.3				T__					15121755	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
2018/05/21	14:31:41.35	1.62	0.38	47.0259	17.6303	39.7	5.3	61	5.0A		5	3	176	0.16	1.07	m	ke	BUD	15121815	iLoc		338

Magnitude	Err	Nsta	Author	OrigID
M	0.9	2	BUD	15121815

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MPLH	0.16	336.8	Pg	14:31:45.095	0.2					T__						15121817	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.16	336.8	Lg	14:31:47.138	-0.4					T__						15121818	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.99	160.8	Lg	14:32:15.424	-0.2					T__						15121819	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.07	138.9	Pg	14:32:02.683	0.1					T__						15121820	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.07	138.9	Lg	14:32:17.778	-0.2					T__						15121821	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
2018/05/21	15:31:16.00	0.94	1.13	47.0345	17.6925	4.1	3.4	44	0.0S		26	13	50	0.17	1.74	m	sx	BUD	15121756	iLoc		76

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	7	BUD	15121756

Sta	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	322.4	Pg	15:31:19.877	-0.2					T__						15121758	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.17	322.4	Pg	15:31:20.000	-0.1					T__		0.3				15121759	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.17	322.4	Lg	15:31:22.787	-0.5					T__						15121760	FDSN	HU	--	BUD	iLoc	BHN	???	_
TIH	0.19	135.1	Pg	15:31:21.054	0.7					T__						15121761	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.19	134.4	Pg	15:31:21.200	0.8					T__		1.2				15121762	FDSN	IR	--	ISC	iLoc	???	???	_
A261A	0.38	257.7	Pg	15:31:24.278	0.1					T__						15121763	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.38	257.7	Lg	15:31:30.337	-0.1					T__						15121764	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A263A	0.47	213.5	Lg	15:31:31.511	-1.9					T__						15121765	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.55	99.0	Lg	15:31:36.193	0.3					T__						15121766	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A260A	0.72	290.7	Pg	15:31:30.572	-0.1					T__						15121767	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BEHE	0.85	228.5	Pg	15:31:34.210	1.0					T__						15121768	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.85	228.5	Lg	15:31:46.605	0.5					T__						15121769	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	0.85	228.5	Pn	15:31:34.800	0.3					T__		0.1				15121770	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.85	228.5	Lg	15:31:46.500	0.4					T__		0.1				15121771	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.99	163.3	Pg	15:31:36.011	0.0					T__						15121772	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.99	163.3	Lg	15:31:49.000	-2.0					T__		0.0				15121773	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.99	163.3	Lg	15:31:49.896	-1.1					T__						15121774	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.05	141.0	Pn	15:31:37.501	0.5					T__						15121775	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.05	141.0	Lg	15:31:50.968	-1.8					T__						15121776	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.05	141.0	Lg	15:31:50.400	-2.4					T__		0.0				15121777	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	1.15	239.9	Pg	15:31:39.613	0.8					T__						15121778	FDSN	SL	--	BUD	iLoc	BHZ	???	_
MODS	1.37	348.3	Sn	15:32:00.731	-0.8					T__						15121779	FDSN	SK	--	BUD	iLoc	HHN	???	_

MODS	1.37	348.3	Sn	15:31:59.900	-1.6	T__	---	15121780	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.65	27.4	Pn	15:31:46.951	1.4	T__	---	15121781	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.65	27.4	Lg	15:32:10.910	-1.1	T__	---	15121782	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.74	58.6	Sn	15:32:12.000	1.2	T__	---	15121783	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
2018/05/22	08:41:35.38	1.20	0.57	47.5699	18.4353	10.6	6.3	122	0.0S	7	5	139	0.24	1.12	m	kx	BUD	15121784	iLoc			193
2018/05/22	08:41:35.30f		0.51	47.5600	18.4573f				0.0S	7		145	0.24	1.14	m	kx	BUD_GT	15136974	BUD			199

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Tatabánya Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	2	BUD	15136974

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.24	214.2	Pg	08:41:40.912	0.3					T__						15137832	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	08:41:44.166	-0.6					T__						15137833	FDSN	HU	--	BUD	BUD	HHE	???	_
MPLH	0.74	238.3	Lg	08:42:01.027	-0.3					T__						15137834	FDSN	HU	--	BUD	BUD	BHE	???	_
VYHS	0.97	15.1	Pn	08:41:55.661	0.5					T__						15137835	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Sn	08:42:10.098	-0.6					T__						15137836	FDSN	SK	--	BUD	BUD	HHE	???	_
PSZ	1.03	69.2	Lg	08:42:12.556	-0.0					T__						15137837	FDSN	GE	--	BUD	BUD	BHN	???	_
MODS	1.14	316.2	Lg	08:42:13.837	-0.9					T__						15137838	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
2018/05/22	08:42:46.05	0.99	1.09	48.5726	20.7331	4.9	3.3	159	0.0S	20	11	91	0.19	1.28	m	kx	BUD	15121793	iLoc			112

(description : known quarry blast)

(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.5	6	BUD	15121793

Sta	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	241.6	Pg	08:42:50.233	0.2					T__						15121795	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	241.6	Lg	08:42:53.114	0.0					T__						15121796	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.19	241.6	Lg	08:42:54.200	1.1					T__		1.6				15121797	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.44	129.2	Pg	08:42:56.798	1.8					T__						15121798	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	129.2	Lg	08:43:01.433	-1.0					T__						15121799	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.58	55.3	Pg	08:42:57.359	0.1					T__						15121800	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	55.3	Lg	08:43:05.689	-1.2					T__						15121801	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.86	220.9	Pg	08:43:04.345	0.1					T__						15121802	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	220.9	Lg	08:43:17.203	-0.4					T__						15121803	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.89	342.1	Pn	08:43:06.233	1.1					T__						15121804	FDSN	PL	--	BUD	iLoc	BHZ	???	_
STHS	0.91	21.5	Pg	08:43:04.221	1.4					T__						15121805	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.91	21.5	Lg	08:43:16.014	-0.6					T__						15121806	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	1.02	305.2	Pg	08:43:06.085	0.1					T__						15121807	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.02	305.2	Lg	08:43:20.939	0.1					T__						15121808	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	1.08	69.9	Lg	08:43:23.423	-0.6					T__						15121809	FDSN	SK	--	BUD	iLoc	HHE	???	_

A336A	1.20	254.3	Sn	08:43:25.811	-1.7					T__					15121810	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VYHS	1.26	267.1	Pg	08:43:10.935	-0.3					T__					15121811	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	267.1	Sn	08:43:28.775	-0.4					T__					15121812	FDSN	SK	--	BUD	iLoc	HHN	???	_
TRPA	1.28	109.5	Sn	08:43:29.800	-0.5					T__					15121813	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.28	109.5	Sn	08:43:27.941	-2.4					T__					15121814	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
2018/05/22	09:23:11.41	1.44	0.30	46.0671	18.1153	7.7	5.8	105	0.0S		6	3	136	0.02	0.66	m	kx	BUD	15121822	iLoc		265
2018/05/22	09:23:10.23f		0.35	46.1254	18.0152f				0.0S		6		248	0.07	0.70	m	kx	BUD_GT	15136977	BUD		315

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

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.07	122.2	Pg	09:23:12.446	0.1					T__						15137839	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.07	122.2	Lg	09:23:13.734	-0.3					T__						15137840	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.45	78.1	Pg	09:23:19.647	0.0					T__						15137841	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Lg	09:23:26.675	-0.2					T__						15137842	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Pg	09:23:25.017	0.5					T__						15137843	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.70	189.7	Lg	09:23:34.742	-0.5					T__						15137844	FDSN	Z3	--	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
2018/05/23	08:08:14.12	1.56	1.24	48.5711	20.7684	15.6	5.0	9	0.0S		10	6	197	0.21	2.05	m	kx	BUD	15121830	iLoc		218

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

Magnitude Err Nsta Author OrigID
M 2.2 5 BUD 15121830

Sta	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	245.0	Pg	08:08:19.187	0.7					T__						15121832	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	245.0	Lg	08:08:23.282	1.5					T__						15121833	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	131.1	Pg	08:08:23.468	0.8					T__						15121834	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.42	131.1	Lg	08:08:29.530	-0.3					T__						15121835	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.88	222.1	Pn	08:08:33.674	0.7					T__						15121836	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	222.1	Lg	08:08:44.478	-1.7					T__						15121837	FDSN	GE	--	BUD	iLoc	BHE	???	_
TRPA	1.26	109.8	Sn	08:08:56.416	-1.4					T__						15121838	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A335A	1.62	266.5	Pg	08:08:45.986	-0.3					T__						15121839	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.62	266.5	Sn	08:09:04.903	-1.3					T__						15121840	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A334A	2.05	272.1	Pn	08:08:49.841	0.5					T__						15121841	FDSN	Z3	00	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
2018/05/23	08:10:58.99	1.34	0.57	48.1826	19.7723	8.4	6.9	98	0.0S		6	4	134	0.28	0.99	m	kx	BUD	15121842	iLoc		254

(locality : Bulhary Slovakia)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.0	3 BUD	15121842

Sta	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	0.28	162.7	Pg	08:11:05.435	0.1					T__	7.2	18.0		---	MLv	1.3	15121844	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.28	162.7	Lg	08:11:09.763	-0.4					T__				---		15121845	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.3 1																									
KECS	0.56	57.4	Pg	08:11:10.525	0.2					T__	2.1	11.8		---	MLv	1.9	15121846	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.56	57.4	Lg	08:11:18.211	-0.7					T__				---		15121847	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.9 1																									
VVHS	0.70	296.9	Lg	08:11:23.058	-0.4					T__				---		15121848	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.99	82.9	Pn	08:11:19.526	0.3					T__	2.7	6.7		---	MLv	1.9	15121849	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.9 1																									
VSVD	8.22	16.6	Pn	08:12:53.430	-5.4					---				---		15121850	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
2018/05/23	08:50:18.80			48.8600	20.3800				0.0A		7					a	kx PRU	15106064	ISC			360
2018/05/23	08:50:16.67	0.96	1.18	48.8574	20.5426	4.2	3.3	104	0.0S		32	15	54	0.38	3.13	m	kx BUD	15121864	iLoc			101

(description : known quarry blast)

(locality : Gretla Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	2.2		9 BUD	15121864

Sta	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	0.38	185.8	Pg	08:50:24.103	-0.2					T__				---		15121866	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.38	185.8	Lg	08:50:29.839	-0.2					T__				---		15121867	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.38	185.8	Pg	08:50:30.100	5.8					---		0.9		---		15121868	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.58	345.1	Pg	08:50:28.126	0.5					T__				---		15121869	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.58	345.1	Lg	08:50:35.114	-1.0					T__				---		15121870	FDSN	PL	--	BUD	iLoc	BHE	???	_
NIE	0.58	344.2	Pg	08:50:29.300	1.6					T__		0.1		---		15121871	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.72	39.2	Pg	08:50:29.848	-0.2					T__				---		15121872	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.72	39.2	Pg	08:50:32.800	2.7					T__		0.5		---		15121873	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.72	39.2	Lg	08:50:39.981	-1.0					T__				---		15121874	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.73	140.2	Pg	08:50:31.527	0.4					T__				---		15121875	FDSN	HU	--	BUD	iLoc	HHZ	???	_
LANS	0.77	292.9	Pg	08:50:30.950	-0.8					T__				---		15121876	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.77	292.9	Pg	08:50:32.800	1.1					T__		0.1		---		15121877	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	0.77	292.9	Lg	08:50:42.139	-0.9					T__				---		15121878	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	1.03	204.9	Pg	08:50:39.400	1.1					T__				---		15121879	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.03	204.9	Pn	08:50:37.524	-0.3					T__				---		15121880	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.03	204.9	Lg	08:50:51.952	-1.6					T__				---		15121881	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.14	85.5	Pn	08:50:39.833	0.3					T__				---		15121882	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.14	85.5	Pn	08:50:40.300	0.7					T__				---		15121883	FDSN	IR	--	ISC	iLoc	???	???	_
VVHS	1.19	252.8	Pg	08:50:42.900	2.6					T__				---		15121884	FDSN	IR	--	ISC	iLoc	???	???	_
VVHS	1.19	252.8	Pn	08:50:38.995	-0.7					T__				---		15121885	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A336A	1.20	239.2	Pg	08:50:40.750	0.1					T__				---		15121886	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.20	239.2	Lg	08:50:56.514	-1.4					T__				---		15121887	FDSN	Z3	00	BUD	iLoc	HH3	???	_
OJC	1.45	340.7	Pn	08:50:44.162	0.3					T__				---		15121888	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.45	340.7	Pn	08:50:44.540	0.7					T__				---		15121889	FDSN	IR	--	ISC	iLoc	???	???	_

OJC	1.45	340.7	Pg	08:50:44.800	-0.5	T__	---	15121890	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	1.45	340.7	Sn	08:51:03.520	-2.1	T__	---	15121891	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	1.45	340.7	Sn	08:51:03.864	-1.7	T__	---	15121892	FDSN	PL	--	BUD	iLoc	BHN	???	_
A335A	1.52	255.1	Pn	08:50:45.177	0.8	T__	---	15121893	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.52	255.1	Sn	08:51:06.994	0.9	T__	---	15121894	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MAUC	1.85	286.9	Sn	08:51:15.300	0.4	T__	---	15121895	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.90	271.1	Pn	08:50:50.900	1.0	T__	---	15121896	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.17	296.2	Pn	08:50:54.500	1.0	T__	---	15121897	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	3.13	300.1	Lg	08:51:55.800	-0.5	T__	---	15121898	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
 2018/05/23 10:43:13.31 1.18 1.01 47.0148 18.0482 7.1 5.9 149 0.0S 8 5 88 0.16 0.93 m sx BUD 15121899 iLoc 168
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 4 BUD 15121899

Sta	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	0.16	223.8	Pg	10:43:17.458	0.4					T__						15121901	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.16	223.8	Lg	10:43:20.020	-0.1					T__						15121902	FDSN	HU	--	BUD	iLoc	HHE	???	_
A267A	0.30	102.8	Lg	10:43:23.765	-1.2					T__						15121903	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.38	22.5	Pg	10:43:22.062	0.7					T__						15121904	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	0.38	294.3	Pg	10:43:21.716	0.3					T__						15121905	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.38	294.3	Lg	10:43:26.321	-1.3					T__						15121906	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.93	177.8	Pn	10:43:33.384	0.7					T__						15121907	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.93	177.8	Sn	10:43:47.163	-0.8					T__						15121908	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
 2018/05/23 14:33:44.44 1.16 1.61 47.1203 17.9919 6.3 4.5 91 0.0S 11 7 116 0.23 1.03 m sx BUD 15121909 iLoc 161
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 5 BUD 15121909

Sta	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	198.0	Pg	14:33:50.362	0.7					T__						15121911	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.23	198.0	Lg	14:33:54.170	0.5					T__						15121912	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.30	36.9	Pg	14:33:51.954	0.9					T__						15121913	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.30	36.9	Lg	14:33:56.040	-0.2					T__						15121914	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.31	279.4	Pg	14:33:52.370	1.1					T__						15121915	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.31	279.4	Lg	14:33:57.044	0.6					T__						15121916	FDSN	HU	--	BUD	iLoc	BHE	???	_
A268A	0.31	351.5	Lg	14:33:57.278	0.7					T__						15121917	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A003A	0.90	315.4	Lg	14:34:12.367	-3.9					T__						15121918	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MORH	1.01	153.4	Pg	14:34:04.730	0.1					T__						15121919	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.03	175.8	Pn	14:34:05.111	-0.2					T__						15121920	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.03	175.8	Lg	14:34:19.790	-1.2					T__						15121921	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
2018/05/24 10:13:19.21 0.54 0.39 48.0609 17.0340 9.0 1.2 130 0.0F 0.0 10 3 0.61 1.30 a sx VIE 15106098 ISC 360
2018/05/24 10:13:18.87 0.93 0.70 48.1072 16.9797 3.9 3.2 117 0.0S 34 15 58 0.12 1.91 m sx BUD 15121922 iLoc 85
(locality : Dobra-Kuca Croatia)
(description : suspected quarry blast)

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Magnitude Err Nsta Author OrigID
mb 1.1 VIE 15106098
ml 1.8 VIE 15106098
M 1.7 8 BUD 15121922

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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.12	42.7	Pg	10:13:21.950	0.0					T__						15121924	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.12	42.7	Lg	10:13:24.259	-0.1					T__						15121925	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.33	36.7	Pg	10:13:25.463	-0.6					T__						15121926	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.33	36.7	Lg	10:13:30.560	-0.9					T__						15121927	FDSN	SK	--	BUD	iLoc	HHN	???	_
A003A	0.35	171.9	Pg	10:13:27.419	1.0					T__						15121928	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.35	171.9	Lg	10:13:30.950	-1.1					T__						15121929	FDSN	Z3	00	BUD	iLoc	HH2	???	_
RONA	0.61	228.7	Pg	10:13:31.205	-0.1					T__		1.0	0.10			15121930	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.61	228.7	Lg	10:13:39.478	-1.0					T__		21.2	0.42			15121931	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.67	337.5	Pg	10:13:33.537	1.4					T__						15121932	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.67	337.5	Lg	10:13:43.336	1.2					T__						15121933	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CONA	0.77	257.0	Pg	10:13:33.645	-0.6					T__						15121934	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.77	257.0	Lg	10:13:44.895	-0.9					T__						15121935	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.77	257.0	Pg	10:13:34.741	0.5					T__		1.4	0.26			15121936	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.77	257.0	Lg	10:13:45.084	-0.7					T__		4.2	0.32			15121937	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.88	31.2	Pn	10:13:38.404	0.5					T__						15121938	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.88	31.2	Pn	10:13:38.200	0.3					T__						15121939	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.97	68.9	Lg	10:13:52.308	-0.1					T__						15121940	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.01	157.8	Sn	10:13:55.535	0.1					T__						15121941	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	1.03	338.1	Pg	10:13:38.000	-0.4					T__						15121942	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.03	338.1	Lg	10:13:52.500	-0.6					T__						15121943	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.03	338.1	Pg	10:13:38.689	0.3					T__						15121944	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.03	338.1	Lg	10:13:52.829	-0.3					T__						15121945	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CSKK	1.14	130.3	Lg	10:13:56.943	-1.3					T__						15121946	FDSN	HU	--	BUD	iLoc	HHN	???	_
VRAC	1.23	348.1	Pg	10:13:41.700	-0.3					T__						15121947	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.23	348.1	Pg	10:13:41.959	-0.0					T__						15121948	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.23	348.1	Lg	10:13:58.157	-0.9					T__						15121949	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	1.30	72.0	Pn	10:13:43.922	0.4					T__						15121950	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	72.0	Lg	10:14:02.562	-0.7					T__						15121951	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ARSA	1.31	229.5	Pg	10:13:44.622	0.4					T__		2.0	0.30			15121952	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	229.5	Sn	10:14:02.833	0.3					T__		3.7	0.32			15121953	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	229.5	Pg	10:13:44.973	0.8					T__						15121954	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	229.5	Sn	10:14:02.590	0.1					T__						15121955	FDSN	OE	--	BUD	iLoc	BHE	???	_
CKRC	1.91	292.9	Pg	10:13:54.067	-0.9					T__						15121956	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.91	292.9	Sn	10:14:17.764	0.1					T__						15121957	FDSN	CZ	--	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
2018/05/25 00:09:02.41 1.46 0.56 45.7504 17.4954 10.8 7.8 166 5.0A 5 3 163 0.40 0.93 m ke BUD 15121958 iLoc 277

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Magnitude Err Nsta Author OrigID
 MLv 1.0 0.4 2 BUD 15121958

Sta	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	0.40	141.7	Pg	00:09:11.013	0.3					T__	1.1	2.2		---	MLv 0.8	15121960	FDSN	Z3	--	BUD	iLoc	BHZ	BHZ	_
A252A	0.40	141.7	Lg	00:09:16.484	-0.5					T__				---		15121961	FDSN	Z3	--	BUD	iLoc	BHN	???	_
MOSL	0.54	255.5	Lg	00:09:21.137	-0.3					T__				---		15121962	FDSN	CR	--	BUD	iLoc	BHE	???	_
MORH	0.93	59.4	Pn	00:09:21.143	0.1					T__	1.5	1.9		---	MLv 1.3	15121963	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.93	59.4	Lg	00:09:34.117	-0.4					T__				---		15121964	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
2018/05/25	08:06:29.42	1.07	1.12	47.5262	18.5651	5.6	3.5	124	0.0S		26	14	111	0.17	1.46	m	kx BUD	15121973	iLoc			165
2018/05/25	08:06:30.03f		1.27	47.5600	18.4573f				0.0S		26		105	0.09	1.40	m	kx BUD_GT	15135420	BUD			146

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

Magnitude Err Nsta Author OrigID
 M 2.0 6 BUD 15135420

Sta	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	08:06:32.931	0.5					T__				---		15137845	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.09	327.2	Lg	08:06:35.535	1.1					T__				---		15137846	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Pg	08:06:35.487	0.2					T__				---		15137847	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	08:06:39.825	0.4					T__				---		15137848	FDSN	HU	--	BUD	BUD	HHE	???	_
SRO	0.27	339.1	Pg	08:06:38.600	2.7					T__		2.3		---		15137850	FDSN	IR	--	ISC	BUD	???	???	_
SRO	0.27	339.1	Lg	08:06:42.094	1.7					T__				---		15137849	FDSN	SK	--	BUD	BUD	EHN	???	_
A268A	0.38	250.6	Lg	08:06:44.830	0.5					T__				---		15137851	FDSN	Z3	00	BUD	BUD	HHE	???	_
A338A	0.46	351.2	Lg	08:06:47.125	0.4					T__				---		15137852	FDSN	Z3	00	BUD	BUD	HH2	???	_
MPLH	0.74	238.3	Pg	08:06:45.465	0.5					T__				---		15137855	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.74	238.3	Lg	08:06:57.500	1.4					T__				---		15137856	FDSN	HU	--	BUD	BUD	BHE	???	_
A336A	0.77	28.2	Pg	08:06:44.960	-0.6					T__				---		15137853	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.77	28.2	Lg	08:06:54.583	-2.4					T__				---		15137854	FDSN	Z3	00	BUD	BUD	HH2	???	_
EGYH	0.78	259.8	Sn	08:07:01.400	0.5					T__				---		15137857	FDSN	IR	--	ISC	BUD	???	???	_
A335A	0.89	354.8	Lg	08:07:01.646	0.5					T__				---		15137858	FDSN	Z3	00	BUD	BUD	HHN	???	_
VYHS	0.97	15.1	Pn	08:06:50.290	0.4					T__				---		15137861	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Lg	08:07:03.667	-0.2					T__				---		15137862	FDSN	SK	--	BUD	BUD	HHN	???	_
VYHS	0.97	15.1	Sn	08:07:04.800	-0.6					T__		0.0		---		15137863	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	1.03	69.2	Pn	08:06:50.717	-0.3					T__				---		15137859	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	1.03	69.2	Lg	08:07:05.356	-1.9					T__				---		15137860	FDSN	GE	--	BUD	BUD	BHE	???	_
MODS	1.14	316.2	Pg	08:06:55.300	2.4					T__				---		15137865	FDSN	IR	--	ISC	BUD	???	???	_
MODS	1.14	316.2	Lg	08:07:08.150	-1.3					T__				---		15137864	FDSN	SK	--	BUD	BUD	HHE	???	_
MORH	1.35	174.5	Sn	08:07:13.056	-1.7					T__				---		15137866	FDSN	HU	--	BUD	BUD	BHE	???	_
JAVC	1.40	338.3	Pg	08:07:00.000	2.1					T__				---		15137868	FDSN	IR	--	ISC	BUD	???	???	_
JAVC	1.40	338.3	Sn	08:07:15.200	-1.0					T__				---		15137869	FDSN	IR	--	ISC	BUD	???	???	_
JAVC	1.40	338.3	Lg	08:07:18.257	0.1					T__				---		15137867	FDSN	CZ	--	BUD	BUD	BHN	???	_
JAVC	1.40	338.3	Lg	08:07:19.200	1.0					T__				---		15137870	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
2018/05/25	09:23:16.87	1.11	1.03	48.8428	21.6057	5.5	4.0	12	0.0S	15	8	100	0.11	1.47	m	kx	BUD	15122001	iLoc			143
(description : known quarry blast)																						
(locality : Vechec Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	7	BUD	15122001

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.11	302.0	Pg	09:23:18.618	-0.7					T__						15122003	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.11	302.0	Lg	09:23:20.663	-0.9					T__						15122004	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOLS	0.45	78.1	Pg	09:23:26.535	0.9					T__						15122005	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.45	78.1	Lg	09:23:32.870	-0.3					T__						15122006	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	0.60	204.1	Pg	09:23:30.851	2.0					T__						15122007	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.60	204.1	Lg	09:23:37.317	-1.5					T__						15122008	FDSN	HU	--	BUD	iLoc	HHN	???	_
HOLU	0.60	121.2	Pg	09:23:28.193	-0.4					T__						15122009	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.60	121.2	Lg	09:23:38.541	-0.4					T__						15122010	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STHS	0.62	337.7	Pg	09:23:29.373	1.0					T__						15122011	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.83	244.6	Pg	09:23:33.829	0.6					T__						15122012	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.83	244.6	Lg	09:23:44.559	-1.0					T__						15122013	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	0.95	138.6	Pg	09:23:34.816	-0.3					T__						15122014	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.95	138.6	Lg	09:23:50.058	-1.1					T__						15122015	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.47	231.6	Pn	09:23:44.759	0.5					T__						15122016	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.47	231.6	Sn	09:24:05.972	-0.2					T__						15122017	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	
2018/05/26	11:34:14.40	0.12	0.16	47.8392	16.1934	1.3	1.2	107	13.2F	1.8	20	95	0.18	1.49	a	ke	IPEC	15106144	ISC			360	
2018/05/26	11:34:14.50			47.8400	16.2400				10.0A		14					a	ke	PRU	15106147	ISC			360
2018/05/26	11:34:14.59	0.15	0.47	47.8391	16.1939	0.8	0.8	98	8.3F	1.8	33	2	0.16	1.72	a	ke	VIE	15106149	ISC			360	
2018/05/26	11:34:14.27	0.86	1.18	47.8464	16.2140	2.4	2.3	179	11.3F	4.9	77	32	37	0.16	4.05	m	ke	BUD	15122021	iLoc			45

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		IPEC	15106144
mb	1.5		VIE	15106149
ml	2.3		VIE	15106149
M	2.0	15	BUD	15122021

Sta	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	159.2	Pg	11:34:17.928	-0.3					T__		36.7	0.10			15122023	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.16	159.2	Lg	11:34:20.294	-1.0					T__		97.9	0.08			15122024	FDSN	IR	--	ISC	iLoc	???	???	_
A004A	0.17	46.5	Pg	11:34:18.948	0.7					T__						15122025	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A004A	0.17	46.5	Lg	11:34:22.747	1.5					T__						15122026	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CONA	0.25	289.2	Pg	11:34:19.574	-0.3					T__						15122027	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.25	289.2	Lg	11:34:24.074	-0.0					T__						15122028	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.25	289.2	Pg	11:34:19.400	-0.5					T__		0.3				15122029	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.25	289.2	Lg	11:34:23.213	-0.9					T__		36.3	0.12			15122030	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.25	289.2	Sg	11:34:23.900	-0.2					T__		0.3				15122031	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.28	125.0	Pg	11:34:20.301	-0.1					T__				c		15122032	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.28	125.0	Lg	11:34:23.867	-1.0					T__						15122033	FDSN	HU	--	BUD	iLoc	BHN	???	_
A011B	0.47	201.6	Pg	11:34:23.574	-0.3					T__						15122034	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.47	201.6	Lg	11:34:30.225	-0.6					T__						15122035	FDSN	Z3	00	BUD	iLoc	HH2	???	_

A012A	0.49	240.5	Pg	11:34:23.814	-0.5	T__	---	15122036	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	0.49	240.5	Lg	11:34:31.911	0.2	T__	---	15122037	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A005B	0.53	359.4	Pg	11:34:25.763	1.1	T__	---	15122038	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A005B	0.53	359.4	Lg	11:34:33.206	1.0	T__	---	15122039	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A003A	0.57	98.5	Pg	11:34:26.108	0.1	T__	---	15122040	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.57	98.5	Lg	11:34:34.043	-0.0	T__	---	15122041	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A013A	0.58	292.1	Pg	11:34:25.677	-0.1	T__	---	15122042	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.58	292.1	Lg	11:34:34.063	-0.0	T__	---	15122043	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A008A	0.64	324.4	Pg	11:34:27.003	0.2	T__	---	15122044	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A008A	0.64	324.4	Lg	11:34:35.557	-0.2	T__	---	15122045	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A260A	0.65	149.2	Lg	11:34:36.246	-0.6	T__	---	15122046	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARSA	0.76	218.4	Lg	11:34:39.146	-0.5	T__	---	15122047	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.76	218.4	Lg	11:34:39.200	-0.5	T__	7.2 0.22	15122048	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.76	218.4	Pg	11:34:28.714	-0.4	T__	0.1	15122049	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.76	218.4	Lg	11:34:38.719	-0.9	T__	---	15122050	FDSN	OE	--	BUD	iLoc	BHE	???	_
A018A	0.77	262.8	Pg	11:34:29.480	0.0	T__	---	15122051	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A018A	0.77	262.8	Lg	11:34:40.600	0.3	T__	---	15122052	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A010A	0.78	186.8	Pn	11:34:31.196	1.1	T__	---	15122053	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.78	186.8	Lg	11:34:40.441	-0.0	T__	---	15122054	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A019A	0.86	242.7	Pn	11:34:31.260	-0.1	T__	---	15122055	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	0.86	242.7	Lg	11:34:43.217	-0.1	T__	---	15122056	FDSN	Z3	00	BUD	iLoc	HH3	???	_
EGYH	0.87	119.2	Pn	11:34:31.900	0.5	T__	0.2	15122057	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.87	119.2	Pn	11:34:31.795	0.4	T__	---	15122058	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.87	119.2	Lg	11:34:44.397	0.8	T__	---	15122059	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	0.89	53.1	Pg	11:34:31.276	-0.7	T__	---	15122060	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.89	53.1	Lg	11:34:44.121	0.1	T__	---	15122061	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.89	53.1	Pg	11:34:31.700	-0.3	T__	---	15122062	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.92	15.8	Pn	11:34:32.701	0.6	T__	---	15122063	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.92	15.8	Sn	11:34:46.063	0.1	T__	---	15122064	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A339A	0.97	90.5	Lg	11:34:46.251	-0.3	T__	---	15122065	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A262A	1.01	167.6	Lg	11:34:45.179	-2.8	T__	---	15122066	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	1.12	126.5	Sn	11:34:51.530	0.5	T__	---	15122067	FDSN	HU	--	BUD	iLoc	BHE	???	_
MPLH	1.12	126.5	Lg	11:34:52.700	0.7	T__	---	15122068	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	5.6	Sn	11:34:53.200	-0.0	T__	12.7 0.13	15122069	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	5.6	Lg	11:34:53.500	-0.2	T__	---	15122070	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	5.6	Pn	11:34:37.023	0.8	T__	_d	15122071	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.22	5.6	Sn	11:34:53.399	0.2	T__	---	15122072	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MOA	1.31	270.9	Pg	11:34:39.391	-0.2	T__	1.2 0.10	15122073	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.31	270.9	Lg	11:34:56.952	-0.5	T__	6.5 0.18	15122074	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.40	43.3	Pg	11:34:41.628	-0.1	T__	---	15122075	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.40	43.3	Lg	11:35:00.912	0.5	T__	---	15122076	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	1.40	43.3	Pg	11:34:41.000	-0.7	T__	---	15122077	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.48	9.6	Pn	11:34:40.800	0.9	T__	---	15122078	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.48	9.6	Sn	11:35:00.300	0.7	T__	---	15122079	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.48	9.6	Lg	11:35:00.900	-0.7	T__	7.1 0.18	15122080	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.48	9.6	Lg	11:35:01.000	-0.7	T__	---	15122081	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.48	9.6	Pn	11:34:40.935	1.0	T__	---	15122082	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.48	9.6	Sn	11:35:00.427	0.9	T__	---	15122083	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.60	308.2	Pg	11:34:43.151	-1.3	T__	---	15122084	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.60	308.2	Lg	11:35:04.651	-1.0	T__	---	15122085	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CKRC	1.60	308.2	Pg	11:34:44.000	-0.5	T__	---	15122086	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	1.60	308.2	Sn	11:35:04.200	1.3	T__	---	15122087	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	1.60	308.2	Lg	11:35:04.500	-1.2	T__	---	15122088	FDSN	IR	--	ISC	iLoc	???	???	_

BIOA	1.74	265.8	Pn	11:34:44.655	1.0	T__	0.7	0.16	---	15122089	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.74	265.8	Lg	11:35:10.500	-1.0	T__	22.6	0.38	---	15122090	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.75	220.9	Lg	11:35:09.500	-1.8	T__			---	15122091	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.12	23.9	Pn	11:34:49.200	0.3	T__			---	15122092	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.12	23.9	Pg	11:34:50.000	-3.7	T__			---	15122093	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.12	23.9	Sn	11:35:15.600	0.1	T__			---	15122094	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.12	23.9	Lg	11:35:16.200	-5.6	T__			---	15122095	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.17	307.2	Pn	11:34:50.700	1.3	T__			---	15122096	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.17	307.2	Sn	11:35:18.300	1.4	T__			---	15122097	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.41	333.4	Sn	11:35:25.000	2.5	T__			---	15122098	FDSN	IR	--	ISC	iLoc	???	???	_
CLL	4.05	330.1	Lg	11:36:21.000	-2.4	T__	4.0	0.60	---	15122099	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
2018/05/28	04:04:26.65	1.17	0.37	48.9209	22.7504	6.4	5.3	115	16.5F	11.7	15	10	85	0.32	1.34	m	ke BUD	15122100	iLoc			140

Magnitude	Err	Nsta	Author	OrigID
M	2.2	5	BUD	15122100

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOLS	0.32	272.4	Pg	04:04:33.300	-0.0					T__						15122102	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.32	272.4	Lg	04:04:39.093	0.1					T__						15122103	FDSN	SK	--	BUD	iLoc	HHZ	???	_
HOLU	0.46	211.7	Pg	04:04:36.633	0.7					T__						15122104	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MUKU	0.47	185.1	Pg	04:04:35.827	-0.2					T__						15122105	FDSN	UA	--	BUD	iLoc	MHZ	???	_
SHIU	0.50	52.8	Pg	04:04:37.017	0.2					T__						15122106	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BRIU	0.61	162.8	Pg	04:04:38.922	0.2					T__						15122107	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KWP	0.71	357.8	x	04:04:42.061	-99.0					---						15122108	FDSN	PL	--	BUD	iLoc	BHZ	???	_
KWP	0.71	357.8	Lg	04:04:50.804	-0.2					T__						15122109	FDSN	PL	--	BUD	iLoc	BHE	???	_
TRPA	0.80	190.1	Pg	04:04:42.171	-0.0					T__						15122110	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.80	190.1	Lg	04:04:55.328	-0.3					T__						15122111	FDSN	HU	--	BUD	iLoc	BHE	???	_
KORU	0.81	161.4	Pg	04:04:42.375	0.1					T__						15122112	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STNU	1.18	99.7	Pg	04:04:49.436	0.2					T__						15122113	FDSN	UA	--	BUD	iLoc	MHZ	???	_
ABAH	1.18	238.6	Pn	04:04:47.913	-0.5					T__						15122114	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.18	238.6	Sn	04:05:06.123	0.6					T__						15122115	FDSN	HU	--	BUD	iLoc	HHE	???	_
BMR	1.34	158.0	Pg	04:04:52.545	0.0					T__						15122116	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BMR	1.34	158.0	Sn	04:05:10.467	0.4					T__						15122117	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
2018/05/28	07:52:02.87	1.30	1.46	48.0478	20.6933	9.1	5.0	174	0.0S		7	3	125	0.44	1.86	m	kx BUD	15122118	iLoc			201
2018/05/28	07:52:02.95f		1.00	48.0750	20.6990f				0.0S		7		129	0.42	1.87	m	kx BUD_GT	15136980	BUD			203

(GT info : GT2 explosion)

(locality : Miskolc-Mexikóvölgy Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	3 BUD	15122118
ML	1.5	0.1	3 BUD	15136980

Sta	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	0.42	58.4	Pg	07:52:13.274	1.6	T__	7.5	---	MLv	15137871	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.42	58.4	Lg	07:52:18.495	-0.5	T__		---		15137872	FDSN	HU	--	BUD	BUD	HHZ	???	_
PSZ	0.56	254.1	Pg	07:52:15.967	0.9	T__	4.9	---	MLv	15137874	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.56	254.1	Pg	07:52:23.000	7.9	---	0.0	---		15137873	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.56	254.1	Lg	07:52:23.258	-0.9	T__		---		15137875	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	1.31	289.3	Sn	07:52:47.515	0.2	T__		---		15137876	FDSN	SK	--	BUD	BUD	HHN	???	_
DRGR	1.87	132.5	Pg	07:52:40.303	-0.0	T__	2.9	---	MLv	15137877	FDSN	RO	--	BUD	BUD	BHZ	BHZ	_
DRGR	1.87	132.5	Sn	07:52:59.802	-1.6	T__		---		15137878	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
2018/05/28	08:03:25.67	1.04	1.01	47.9407	20.0889	6.8	4.5	162	0.0S	18	9	81	0.13	2.56	m	kx	BUD	15122142	iLoc			120
2018/05/28	08:03:26.01f		1.29	47.8987	20.0893f				0.0S	19		78	0.13	2.52	m	kx	BUD_GT	15135429	BUD			116

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

Magnitude	Err	Nsta	Author	OrigID
M	2.0	7	BUD	15135429

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.13	278.6	Pg	08:03:28.810	-0.7					T__						15137880	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.13	278.6	Lg	08:03:30.600	-1.6					T__	3.0					15137879	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.13	278.6	Lg	08:03:31.609	-0.6					T__						15137881	FDSN	GE	--	BUD	BUD	BHE	???	_
KECS	0.64	24.2	Pg	08:03:41.716	2.8					T__						15137882	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.64	24.2	Lg	08:03:46.700	-2.0					T__						15137883	FDSN	IR	--	ISC	BUD	???	???	_
KECS	0.64	24.2	Lg	08:03:48.937	0.2					T__						15137884	FDSN	SK	--	BUD	BUD	EHE	???	_
A336A	0.80	295.0	Pn	08:03:43.711	0.2					T__						15137885	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.80	295.0	Lg	08:03:53.020	-1.1					T__						15137886	FDSN	Z3	00	BUD	BUD	HH2	???	_
ABAH	0.87	62.3	Pg	08:03:42.800	-0.4					T__	0.1					15137887	FDSN	IR	--	ISC	BUD	???	???	_
ABAH	0.87	62.3	Pn	08:03:44.163	-0.5					T__						15137888	FDSN	HU	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Pg	08:03:45.705	-0.9					T__						15137889	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Lg	08:03:59.524	-2.3					T__						15137890	FDSN	SK	--	BUD	BUD	HHN	???	_
CSKK	1.35	247.2	Sn	08:04:11.400	0.7					T__						15137891	FDSN	IR	--	ISC	BUD	???	???	_
MORH	1.95	210.9	Pn	08:04:00.552	0.9					T__						15137892	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.95	210.9	Sn	08:04:26.900	1.6					T__	0.0					15137893	FDSN	IR	--	ISC	BUD	???	???	_
SIRR	1.96	146.1	Pn	08:03:58.773	-1.1					T__						15137894	FDSN	RO	--	BUD	BUD	BHZ	???	_
DRGR	2.10	120.9	Pn	08:04:01.255	-1.0					T__						15137895	FDSN	RO	--	BUD	BUD	BHZ	???	_
DRGR	2.10	120.9	Sn	08:04:30.299	0.5					T__						15137896	FDSN	RO	--	BUD	BUD	BHE	???	_
BZS	2.52	154.4	Pn	08:04:08.975	1.4					T__						15137897	FDSN	RO	--	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	
2018/05/28	08:19:47.98	1.53	1.09	48.4735	20.6774	12.8	6.5	14	0.0S	9	5	200	0.13	1.23	m	kx	BUD	15122163	iLoc				309

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15122163

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.13	274.4	Pg	08:19:51.081	0.3					T__						15122165	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.13	274.4	Lg	08:19:53.972	1.0					T__						15122166	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.41	115.1	Lg	08:20:03.649	0.0					T__						15122167	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.76	223.6	Pg	08:20:04.791	0.6					T__						15122168	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.76	223.6	Lg	08:20:15.991	-0.1					T__						15122169	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.15	258.5	Pg	08:20:12.622	1.7					T__						15122170	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.15	258.5	Lg	08:20:26.535	-1.3					T__						15122171	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.23	271.6	Pn	08:20:10.608	-1.0					T__						15122172	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.23	271.6	Sn	08:20:29.806	-0.3					T__						15122173	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
2018/05/28	08:23:29.58	2.33	0.99	47.8621	19.7924	23.2	6.7	6	0.0S		8	5	240	0.09	1.73	m	kx BUD	15122174	iLoc			255
2018/05/28	08:23:30.46f		2.95	47.8987	20.0893f				0.0S		8		216	0.13	1.88	m	kx BUD_GT	15135436	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	15122174
ML	2.0	0.0	3 BUD	15135436

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.13	278.6	Pg	08:23:32.109	-1.8					T__		281.5			MLv	15137898	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.13	278.6	Lg	08:23:34.124	-2.6					T__						15137899	FDSN	GE	--	BUD	BUD	BHE	???	_
KECS	0.64	24.2	Lg	08:23:57.299	4.1					T__						15137900	FDSN	SK	--	BUD	BUD	EHN	???	_
ABAH	0.87	62.3	Pn	08:23:51.769	2.7					T__		8.4			MLv	15137903	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.87	62.3	Sn	08:24:06.190	2.4					T__						15137904	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	1.03	305.9	Pg	08:23:49.281	-1.8					T__		0.8			MLv	15137901	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.03	305.9	Lg	08:24:01.140	-5.1					T__						15137902	FDSN	SK	--	BUD	BUD	HHN	???	_
JAVC	1.88	301.7	Sn	08:24:28.121	-0.5					T__						15137905	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
2018/05/28	10:04:05.82	1.14	0.48	47.0622	17.9631	10.7	4.0	94	0.0S		11	6	147	0.17	0.98	m	sx BUD	15122197	iLoc			170

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.7		5 BUD	15122197

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TIH	0.17	197.7	Pg	10:04:09.985	0.2					T__						15122199	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.17	197.7	Lg	10:04:13.101	0.1					T__						15122200	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.36	33.9	Pg	10:04:13.690	0.1					T__						15122201	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.36	33.9	Lg	10:04:19.887	0.3					T__						15122202	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.37	355.9	Pg	10:04:13.898	0.1					T__						15122203	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.37	355.9	Lg	10:04:19.762	-0.0					T__						15122204	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A339A	0.80	344.9	Lg	10:04:33.152	-0.9					T__						15122205	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	0.97	150.7	Pn	10:04:25.703	0.1					T__						15122206	FDSN	HU	--	BUD	iLoc	BHZ	???	_

MORH	0.97	150.7	Lg	10:04:39.033	-0.8	T__	---	15122207	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.98	174.4	Pn	10:04:26.119	0.2	T__	---	15122208	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.98	174.4	Lg	10:04:40.175	-0.3	T__	---	15122209	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
2018/05/28	10:10:24.59	1.18	1.36	47.8452	20.0435	8.5	4.8	168	0.0S	13	8	115	0.12	1.93	m	kx	BUD	15122210	iLoc			199
2018/05/28	10:10:24.76f		1.49	47.8987	20.0893f				0.0S	13		111	0.13	1.95	m	kx	BUD_GT	15135441	BUD			195

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

Magnitude	Err	Nsta	Author	OrigID
M	1.9	5	BUD	15135441

Sta	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	10:10:28.900	0.7				T__							15137906	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.13	278.6	Lg	10:10:31.171	0.2				T__							15137907	FDSN	GE	--	BUD	BUD	BHZ	???	_
KECS	0.64	24.2	Pg	10:10:39.562	1.9				T__							15137910	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.64	24.2	Lg	10:10:49.703	2.2				T__							15137911	FDSN	SK	--	BUD	BUD	EHN	???	_
A270A	0.72	266.1	Pn	10:10:40.532	-0.6				T__							15137908	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.72	266.1	Lg	10:10:49.614	-1.1				T__							15137909	FDSN	Z3	00	BUD	BUD	HHE	???	_
A336A	0.80	295.0	Lg	10:10:51.887	-1.0				T__							15137912	FDSN	Z3	00	BUD	BUD	HH3	???	_
ABAH	0.87	62.3	Lg	10:10:55.765	-0.6				T__							15137913	FDSN	HU	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Pn	10:10:46.079	0.6				T__							15137914	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Lg	10:10:59.634	-0.9				T__							15137915	FDSN	SK	--	BUD	BUD	HHN	???	_
A269A	1.18	257.9	Pg	10:10:48.154	-0.2				T__							15137916	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	1.18	257.9	Sn	10:11:01.314	-3.9				T__							15137917	FDSN	Z3	00	BUD	BUD	HHN	???	_
SIRR	1.95	146.1	Pn	10:10:59.100	0.5				T__			0.0				15137918	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
2018/05/29	07:17:40.62	2.20	0.63	47.8574	19.9486	18.8	6.4	2	0.0S	9	4	238	0.07	0.98	m	kx	BUD	15122225	iLoc			271
2018/05/29	07:17:40.37f		0.67	47.8285	19.9317f				0.0S	10		241	0.09	0.99	m	kx	BUD_GT	15135446	BUD			273

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

Magnitude	Err	Nsta	Author	OrigID
M	1.9	5	BUD	15135446

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.09	344.4	Pg	07:17:42.761	-0.3				T__							15137919	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.09	344.4	Lg	07:17:44.802	-0.5				T__							15137920	FDSN	GE	--	BUD	BUD	BHE	???	_
A336A	0.75	303.2	Pg	07:17:55.979	0.5				T__							15137923	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.75	303.2	Lg	07:18:06.205	-0.3				T__							15137924	FDSN	Z3	00	BUD	BUD	HH2	???	_
KECS	0.75	29.3	Pn	07:17:57.658	0.4				T__							15137921	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.75	29.3	Lg	07:18:06.455	-0.4				T__							15137922	FDSN	SK	--	BUD	BUD	EHE	???	_
ABAH	0.99	61.4	Pn	07:18:00.917	0.1				T__							15137925	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.99	61.4	Lg	07:18:14.810	-1.5				T__							15137926	FDSN	HU	--	BUD	BUD	HHE	???	_

VYHS	0.99	312.6	Pn	07:18:00.506	-0.1	T__	---	15137927	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.99	312.6	Lg	07:18:13.797	-1.1	T__	---	15137928	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
2018/05/29	09:00:40.13	1.12	0.69	48.2400	18.7610	4.9	4.2	140	0.0S	16	11	122	0.16	1.73	m	kx	BUD	15122237	iLoc			204
(description : known quarry blast)																						
(locality : Hontianske-Trstany Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	5	BUD	15122237

Sta	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	0.16	92.3	Pg	09:00:43.249	-0.3					T__						15122239	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.16	92.3	Lg	09:00:46.036	-0.1					T__						15122240	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.26	11.1	Pg	09:00:45.669	0.1					T__						15122241	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.26	11.1	Lg	09:00:50.101	0.5					T__						15122242	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.35	306.3	Pg	09:00:45.832	-1.6					T__						15122243	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.35	306.3	Lg	09:00:53.791	1.0					T__						15122244	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.35	230.7	Pg	09:00:47.204	-0.3					T__						15122245	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.35	230.7	Lg	09:00:54.033	1.0					T__						15122246	FDSN	Z3	00	BUD	iLoc	HH2	???	_
SRO	0.52	215.3	Lg	09:00:59.241	0.5					T__						15122247	FDSN	SK	--	BUD	iLoc	EHN	???	_
A332A	0.60	340.9	Lg	09:01:00.424	-0.5					T__						15122248	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.95	310.9	Pg	09:00:59.588	0.3					T__						15122249	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MODS	1.00	278.2	Pn	09:01:00.903	0.3					T__						15122250	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.00	278.2	Lg	09:01:15.029	0.1					T__						15122251	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	1.11	268.3	Lg	09:01:18.630	0.2					T__						15122252	FDSN	SK	--	BUD	iLoc	HHN	???	_
MPLH	1.35	218.1	Lg	09:01:25.623	-0.7					T__						15122253	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORC	1.73	332.9	Sn	09:01:34.383	-0.2					T__						15122254	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	
2018/05/29	09:23:47.87	1.65	0.30	46.1570	18.3121	15.9	5.0	152	0.0S	6	3	190	0.16	0.79	m	kx	BUD	15122255	iLoc				319
2018/05/29	09:23:47.71f		0.29	46.1765	18.2926f				0.0S	6		204	0.16	0.80	m	kx	BUD_GT	15136983	BUD				326
(GT info : GT2 explosion)																							
(locality : Komló-II Hungary)																							
(description : known quarry blast)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.3	3 BUD	15122255
ML	1.2	0.3	3 BUD	15136983

Sta	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	09:23:51.787	0.2					T__		25.4			MLv	15137929	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:23:54.857	0.2					T__						15137930	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	09:23:53.014	-0.2					T__		2.4			MLv	15137931	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:23:57.745	0.2					T__						15137932	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pg	09:24:04.097	0.1					T__		2.8			MLv	15137933	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	09:24:15.721	-0.6					T__						15137934	FDSN	Z3	--	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
2018/05/29 09:33:01.32  1.04  0.69 48.5397 20.7932  5.4  3.7 143  0.0S      17   8 95  0.21  1.30 m  kx BUD      15122276  iLoc                173
(description : known quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

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Magnitude Err Nsta Author      OrigID
M          1.4      7 BUD      15122276

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Sta	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	254.7	Pg	09:33:05.644	-0.1					T__						15122278	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	254.7	Lg	09:33:08.190	-1.0					T__						15122279	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	254.7	Lg	09:33:10.000	0.8					T__		0.7				15122280	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.38	129.2	Pg	09:33:09.758	0.5					T__						15122281	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.38	129.2	Lg	09:33:15.715	-0.2					T__						15122282	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	50.4	Pg	09:33:12.365	0.1					T__						15122283	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	50.4	Lg	09:33:20.297	-1.5					T__						15122284	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.86	224.4	Pn	09:33:20.500	0.4					T__		0.1				15122285	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.86	224.4	Pg	09:33:19.564	0.0					T__						15122286	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	224.4	Lg	09:33:32.590	-0.4					T__						15122287	FDSN	GE	--	BUD	iLoc	BHE	???	_
STHS	0.93	18.5	Pg	09:33:18.730	0.3					T__						15122288	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.93	18.5	Lg	09:33:32.084	-0.3					T__						15122289	FDSN	SK	--	BUD	iLoc	EHN	???	_
NIE	0.94	340.4	Pn	09:33:21.546	0.5					T__						15122290	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.94	340.4	Lg	09:33:33.081	0.7					T__						15122291	FDSN	PL	--	BUD	iLoc	BHE	???	_
A336A	1.23	256.3	Lg	09:33:44.047	-0.1					T__						15122292	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.30	268.7	Pn	09:33:26.483	0.5					T__						15122293	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	268.7	Sn	09:33:44.458	-1.0					T__						15122294	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
2018/05/29 09:44:49.61  2.19  0.86 46.1148 18.0355  17.6  4.9 145  0.0S      8   4 218  0.05  0.69 m  kx BUD      15122295  iLoc                262
2018/05/29 09:44:49.37f  0.70  46.1254 18.0152f  0.0S      8   224  0.07  0.70 m  kx BUD_GT    15137121  BUD                  268
(locality : Bökkösd-II Hungary)
(description : known quarry blast)
(GT info : GT2 explosion)

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Magnitude Err Nsta Author      OrigID
M          0.9      4 BUD      15137121

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Sta	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	09:44:51.732	0.3					T__						15138392	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.07	122.2	Lg	09:44:52.974	-0.3					T__						15138393	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Pg	09:44:55.966	1.1					T__						15138394	FDSN	Z3	--	BUD	BUD	HHZ	???	_
A273A	0.25	213.6	Lg	09:44:58.091	-1.1					T__						15138395	FDSN	Z3	--	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pg	09:44:59.066	0.3					T__						15138396	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Lg	09:45:05.126	-0.9					T__						15138397	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.70	189.7	Pg	09:45:04.103	0.5					T__						15138398	FDSN	Z3	--	BUD	BUD	BHE	???	_
A252A	0.70	189.7	Lg	09:45:13.773	-0.6					T__						15138399	FDSN	Z3	--	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
2018/05/29	11:14:42.90	1.00	1.10	48.8017	21.1698	4.0	3.5	156	0.0S		23	11	58	0.22	1.68	m	kx BUD	15122305	iLoc			98
(locality : Trebejov Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	8	BUD	15122305

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.22	62.3	Pg	11:14:47.349	0.0					T__						15122307	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.22	62.3	Lg	11:14:49.259	-1.9					T__						15122308	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ABAH	0.51	174.7	Pg	11:14:54.559	1.4					T__						15122309	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.51	174.7	Lg	11:15:01.632	-0.1					T__						15122310	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	0.55	235.2	Pg	11:14:55.229	1.3					T__						15122311	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.55	235.2	Lg	11:15:02.642	0.3					T__						15122312	FDSN	SK	--	BUD	iLoc	EHN	???	_
STHS	0.62	4.5	Pg	11:14:54.905	0.6					T__						15122313	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.62	4.5	Lg	11:15:03.718	0.0					T__						15122314	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	0.74	79.3	Pg	11:14:59.066	2.0					T__						15122315	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.74	79.3	Lg	11:15:09.018	-0.1					T__						15122316	FDSN	SK	--	BUD	iLoc	HHE	???	_
NIE	0.84	318.0	Pg	11:14:59.636	1.0					T__						15122317	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.84	318.0	Lg	11:15:12.183	1.5					T__						15122318	FDSN	PL	--	BUD	iLoc	BHE	???	_
HOLU	0.85	108.4	Pn	11:15:01.833	0.2					T__						15122319	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.85	108.4	Lg	11:15:13.902	0.4					T__						15122320	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	1.13	125.9	Pg	11:15:05.345	0.6					T__						15122321	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.13	125.9	Sn	11:15:21.927	-1.8					T__						15122322	FDSN	HU	--	BUD	iLoc	BHZ	???	_
PSZ	1.23	224.4	Sn	11:15:24.200	-1.7					T__		0.0				15122323	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.23	224.4	Pg	11:15:08.639	0.2					T__						15122324	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.23	224.4	Lg	11:15:26.997	0.4					T__						15122325	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.58	259.6	Pg	11:15:13.469	-0.8					T__						15122326	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.58	259.6	Lg	11:15:37.174	0.3					T__						15122327	FDSN	SK	--	BUD	iLoc	HHN	???	_
OJC	1.68	328.3	Pg	11:15:15.811	1.0					T__						15122328	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.68	328.3	Lg	11:15:39.153	-0.5					T__						15122329	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
2018/05/29	13:51:37.30		0.20	45.6060	16.3360				8.7A							a	ke LJU	15106270	ISC			360
2018/05/29	13:51:37.31	1.32	1.14	45.7146	16.4202	7.1	6.7	121	0.0F	0.0	12		1	1.36	1.36	a	sx VIE	15106266	ISC			360
2018/05/29	13:51:36.55	1.14	0.93	45.5710	16.3537	3.6	3.0	22	3.5F	9.3	47	30	46	0.28	1.98	m	ke BUD	15122330	iLoc			81

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		LJU	15106270
mb	1.2		VIE	15106266
ml	1.6		VIE	15106266
M	2.2	5	BUD	15122330

Sta	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	0.28	81.3	Pg	13:51:42.290	-0.3					T__						15122332	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.28	81.3	Lg	13:51:46.140	-1.0					T__						15122333	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.36	315.0	Pg	13:51:44.716	0.9					T__						15122334	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.36	315.0	Lg	13:51:49.944	0.5					T__						15122335	FDSN	CR	--	BUD	iLoc	BHE	???	_

ZAG	0.36	315.0	Pg	13:51:44.360	0.5	T__	---	---	15122336	FDSN	IR	--	ISC	iLoc	???	???	_	
ZAG	0.36	315.0	Lg	13:51:49.780	0.4	T__	---	---	15122337	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.43	321.3	Pg	13:51:45.120	-0.3	T__	---	---	15122338	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.43	321.3	Lg	13:51:50.620	-1.8	T__	---	---	15122339	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.43	321.4	Pg	13:51:45.339	0.2	T__	---	---	15122340	FDSN	CR	--	BUD	iLoc	BHZ	???	_	
PTJ	0.43	321.4	Lg	13:51:50.913	-0.8	T__	---	---	15122341	FDSN	CR	--	BUD	iLoc	BHE	???	_	
KALN	0.56	7.2	Pg	13:51:47.550	-0.6	T__	---	---	15122342	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.59	300.5	Pg	13:51:48.460	0.4	T__	---	---	15122343	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.59	300.5	Lg	13:51:56.810	-0.2	T__	---	---	15122344	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.59	300.5	IAML	13:52:01.090	-99.0	---	14.8	0.14	---	15122345	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.62	341.3	Pg	13:51:49.670	0.8	T__	---	---	15122346	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	0.62	274.4	Pg	13:51:48.930	0.3	T__	---	---	15122347	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	0.62	274.4	Lg	13:51:57.500	-0.4	T__	---	---	15122348	FDSN	IR	--	ISC	iLoc	???	???	_	
GOLS	0.67	311.0	Lg	13:51:58.830	-1.2	T__	---	---	15122349	FDSN	IR	--	ISC	iLoc	???	???	_	
GOLS	0.67	311.0	IAML	13:52:01.440	-99.0	---	6.1	0.11	---	15122350	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.68	292.4	Pg	13:51:50.290	0.5	T__	---	---	15122351	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
CRES	0.68	292.4	Lg	13:51:59.500	-0.7	T__	---	---	15122352	FDSN	SL	--	BUD	iLoc	BHE	???	_	
CRES	0.68	292.4	Pg	13:51:50.120	0.3	T__	---	---	15122353	FDSN	IR	--	ISC	iLoc	???	???	_	
CRES	0.68	292.4	IAML	13:52:04.060	-99.0	---	13.5	0.13	---	15122354	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.74	303.2	Lg	13:52:01.770	-0.4	T__	---	---	15122355	FDSN	IR	--	ISC	iLoc	???	???	_	
LEGS	0.82	297.9	Pg	13:51:52.710	0.3	T__	---	---	15122356	FDSN	IR	--	ISC	iLoc	???	???	_	
LEGS	0.82	297.9	Lg	13:52:03.880	-0.9	T__	---	---	15122357	FDSN	IR	--	ISC	iLoc	???	???	_	
PLIT	0.86	217.0	Pg	13:51:53.140	-0.3	T__	---	---	15122358	FDSN	IR	--	ISC	iLoc	???	???	_	
A264A	0.88	47.7	Lg	13:52:07.754	0.4	T__	---	---	15122359	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
KOGS	0.88	355.3	Pn	13:51:54.999	-0.2	T__	---	---	15122360	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
KOGS	0.88	355.3	Lg	13:52:07.324	0.7	T__	---	---	15122361	FDSN	SL	--	BUD	iLoc	BHE	???	_	
BLY	0.98	142.9	Lg	13:52:11.237	1.4	T__	---	---	15122362	FDSN	MN	--	BUD	iLoc	BHE	???	_	
A252A	1.06	96.8	Pn	13:51:57.678	-0.0	T__	---	---	15122363	FDSN	Z3	--	BUD	iLoc	BHZ	???	_	
A252A	1.06	96.8	Lg	13:52:11.644	-1.3	T__	---	---	15122364	FDSN	Z3	--	BUD	iLoc	BHN	???	_	
UDBI	1.12	202.0	Pg	13:51:58.240	-0.6	T__	---	---	15122365	FDSN	IR	--	ISC	iLoc	???	???	_	
UDBI	1.12	202.0	Lg	13:52:12.970	-2.0	T__	---	---	15122366	FDSN	IR	--	ISC	iLoc	???	???	_	
KOVH	1.33	66.4	Sn	13:52:19.546	-0.9	T__	---	---	15122367	FDSN	HU	--	BUD	iLoc	BHE	???	_	
RABC	1.38	234.1	Pn	13:52:03.030	0.6	T__	---	---	15122368	FDSN	IR	--	ISC	iLoc	???	???	_	
SOKA	1.44	320.8	Pg	13:52:03.952	-0.1	T__	0.5	0.22	---	15122369	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.44	320.8	Sn	13:52:20.984	-2.1	T__	1.8	0.40	---	15122370	FDSN	IR	--	ISC	iLoc	???	???	_
NVLJ	1.46	226.7	Pn	13:52:05.130	1.6	T__	---	---	15122371	FDSN	IR	--	ISC	iLoc	???	???	_	
KIJV	1.57	178.6	Pn	13:52:05.980	0.7	T__	---	---	15122372	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.57	307.4	Lg	13:52:27.820	-0.4	T__	---	---	15122373	FDSN	OE	--	BUD	iLoc	BHN	???	_	
VIRC	1.58	216.3	Pn	13:52:06.400	1.0	T__	---	---	15122374	FDSN	IR	--	ISC	iLoc	???	???	_	
SMRN	1.64	251.8	Pn	13:52:06.500	0.5	T__	---	---	15122375	FDSN	IR	--	ISC	iLoc	???	???	_	
SMRN	1.64	251.8	Sn	13:52:28.910	0.4	T__	---	---	15122376	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.72	67.2	Sn	13:52:31.906	1.9	T__	---	---	15122377	FDSN	HU	--	BUD	iLoc	BHE	???	_	
ARSA	1.78	341.4	Sn	13:52:31.837	0.8	T__	---	---	15122378	FDSN	OE	--	BUD	iLoc	BHE	???	_	
DUGI	1.83	210.8	Pn	13:52:10.080	0.9	T__	---	---	15122379	FDSN	IR	--	ISC	iLoc	???	???	_	
BRJN	1.96	251.0	Pn	13:52:09.550	-1.1	T__	---	---	15122380	FDSN	IR	--	ISC	iLoc	???	???	_	
ZIRJ	1.98	195.1	Pn	13:52:11.970	0.5	T__	---	---	15122381	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
2018/05/29	19:32:58.20		0.30	45.9030	16.0350				5.0A								ke LJU	15106350	ISC			360
2018/05/29	19:32:58.55	0.87	0.87	45.9141	15.9845	8.2	4.1	86	11.6F	14.1	13		1	1.01	1.16	a	ke VIE	15106346	ISC			360
2018/05/29	19:32:57.36	1.08	0.59	45.8886	16.0427	5.0	3.7	146	8.1F	5.4	32	16	93	0.06	1.41	m	ke BUD	15122382	iLoc			162

Magnitude	Err	Nsta	Author	OrigID
ML	0.8		LJU	15106350
mb	1.0		VIE	15106346
m1	1.2		VIE	15106346
M	1.8	5	BUD	15122382

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PTJ	0.06	289.8	Pg	19:32:59.311	-0.0					T__						15122384	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.06	289.8	Lg	19:33:00.263	-0.6					T__						15122385	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.06	289.5	Pg	19:32:59.190	-0.5					T__						15122386	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.07	212.3	Lg	19:33:01.750	0.5					T__						15122387	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.07	212.3	Pg	19:32:59.952	0.4					T__				_d_		15122388	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.07	212.3	Lg	19:33:01.094	-0.2					T__						15122389	FDSN	CR	--	BUD	iLoc	BHE	???	_
LOBO	0.27	3.9	Pg	19:33:03.580	0.5					T__						15122390	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.29	265.9	Pg	19:33:03.670	0.4					T__						15122391	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.29	265.9	Lg	19:33:07.740	-0.2					T__						15122392	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.29	265.9	IAML	19:33:09.950	-99.0					---		3.5	0.07			15122393	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.32	292.9	Pg	19:33:04.730	0.9					T__						15122394	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.32	292.9	Lg	19:33:09.040	0.1					T__						15122395	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.32	292.9	IAML	19:33:09.950	-99.0					---		3.2	0.11			15122396	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.38	49.7	Pg	19:33:06.200	0.9					T__						15122397	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.38	49.7	Lg	19:33:10.890	-0.5					T__						15122398	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.41	282.1	Lg	19:33:12.090	0.1					T__						15122399	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.41	261.5	Pg	19:33:06.737	1.1					T__						15122400	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.41	261.5	Lg	19:33:11.965	-0.1					T__						15122401	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	0.41	261.5	Pg	19:33:06.050	0.5					T__						15122402	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.41	261.5	Lg	19:33:12.380	0.3					T__						15122403	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.41	261.5	IAML	19:33:13.820	-99.0					---		1.8	0.08			15122404	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.48	303.3	Pg	19:33:07.360	0.6					T__						15122405	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.48	303.3	IAML	19:33:15.470	-99.0					---		3.8	0.10			15122406	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.49	236.1	Pg	19:33:07.070	0.2					T__						15122407	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.49	236.1	Lg	19:33:14.230	0.0					T__						15122408	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.57	118.6	Pg	19:33:08.820	-0.1					T__						15122409	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.58	14.4	Pg	19:33:09.628	0.7					T__						15122410	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.58	14.4	Lg	19:33:17.955	0.5					T__						15122411	FDSN	SL	--	BUD	iLoc	BHE	???	_
A021A	0.88	350.2	Pn	19:33:14.895	-0.3					T__						15122412	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.88	350.2	Sn	19:33:28.293	-0.8					T__						15122413	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOKA	1.06	318.8	Pn	19:33:17.669	-0.1					T__		0.6	0.30			15122414	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.06	318.8	Lg	19:33:31.431	-1.0					T__		0.4	0.24			15122415	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.21	301.4	Pn	19:33:20.179	0.2					T__		0.2	0.18			15122416	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.21	301.4	Lg	19:33:35.947	-1.3					T__		0.9	0.30			15122417	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.21	301.4	Lg	19:33:37.066	-0.2					T__						15122418	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.41	345.5	Lg	19:33:44.199	0.4					T__						15122419	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
2018/05/30	07:44:53.88	1.17	0.73	48.5210	19.3658	7.7	4.5	175	0.0S		10	7	128	0.35	1.27	m	sx	BUD	15122420	iLoc		186
(description : suspected quarry blast)																						
(locality : Viglas Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
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M 1.6 4 BUD 15122420

Sta	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	0.35	265.8	Pg	07:45:01.835	0.7					T__						15122422	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.35	265.8	Lg	07:45:06.376	-0.1					T__						15122423	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.69	264.2	Lg	07:45:17.416	-0.5					T__						15122424	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.70	149.4	Pn	07:45:09.833	-0.3					T__						15122425	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.70	149.4	Lg	07:45:19.438	-0.3					T__						15122426	FDSN	GE	--	BUD	iLoc	BHN	???	_
A270A	0.72	199.1	Lg	07:45:18.493	-0.9					T__						15122427	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	0.75	92.5	Pg	07:45:09.272	0.6					T__						15122428	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.75	92.5	Lg	07:45:19.644	-0.3					T__						15122429	FDSN	SK	--	BUD	iLoc	EHN	???	_
NIE	1.09	34.4	Lg	07:45:29.330	-0.9					T__						15122430	FDSN	PL	--	BUD	iLoc	BHN	???	_
ABAH	1.27	99.5	Pg	07:45:19.451	0.8					T__						15122431	FDSN	HU	--	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
2018/05/30	08:36:11.04	1.00	0.80	48.5309	20.7621	6.4	4.0	5	0.0S		17	10	97	0.19	2.94	m	kx BUD	15122432	iLoc			129
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude Err Nsta Author OrigID
M 1.6 6 BUD 15122432

Sta	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	255.5	Pg	08:36:15.261	0.2					T__						15122434	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	255.5	Lg	08:36:18.079	-0.1					T__						15122435	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.19	255.5	Lg	08:36:19.300	1.1					T__		1.3				15122436	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.40	126.3	Pg	08:36:19.818	0.6					T__						15122437	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	126.3	Lg	08:36:25.799	-0.2					T__						15122438	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.84	223.7	Pn	08:36:29.343	-0.1					T__						15122439	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.84	223.7	Lg	08:36:42.175	0.2					T__						15122440	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.94	341.8	Pg	08:36:29.509	0.9					T__						15122441	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.94	341.2	Pn	08:36:30.900	0.1					T__		0.0				15122442	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.94	19.5	Pg	08:36:28.283	-0.1					T__						15122443	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.21	256.4	Sn	08:36:53.054	0.4					T__						15122444	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.25	108.0	Pn	08:36:36.165	0.8					T__						15122445	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.25	108.0	Sn	08:36:52.526	-2.0					T__						15122446	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.28	269.1	Pn	08:36:35.785	0.4					T__						15122447	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	269.1	Sn	08:36:53.665	-1.0					T__						15122448	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.55	281.0	Pg	08:36:40.869	-0.6					T__						15122449	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KRUC	2.94	282.1	Pn	08:36:58.500	0.0					T__						15122450	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
2018/05/30	08:52:55.66	1.14	0.95	47.5393	18.4801	8.2	4.7	96	0.0S		11	8	107	0.12	1.81	m	kx BUD	15122451	iLoc			161
2018/05/30	08:52:56.22f		0.83	47.5600	18.4573f				0.0S		11		105	0.09	1.79	m	kx BUD_GT	15136986	BUD			159
(GT info : GT2 explosion)																						
(locality : Tatabánya Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.5	3 BUD	15122451
ML	2.0	0.5	3 BUD	15136986

Sta	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	08:52:58.294	-0.3					T__		259.2		---	MLv	15137935	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.09	327.2	Lg	08:53:00.597	-0.0					T__				---		15137936	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Pg	08:53:00.877	-0.6					T__		274.1		---	MLv	15137937	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	08:53:04.720	-0.9					T__				---		15137938	FDSN	HU	--	BUD	BUD	HHN	???	_
SRO	0.27	339.1	Lg	08:53:07.490	0.9					T__				---		15137939	FDSN	SK	--	BUD	BUD	EHN	???	_
VYHS	0.97	15.1	Pg	08:53:15.865	0.1					T__		0.9		---	MLv	15137940	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.97	15.1	Lg	08:53:30.337	0.3					T__				---		15137941	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Lg	08:53:33.176	-0.3					T__				---		15137942	FDSN	GE	--	BUD	BUD	BHE	???	_
MODS	1.14	316.2	Lg	08:53:34.080	-1.6					T__				---		15137943	FDSN	SK	--	BUD	BUD	HHE	???	_
MORH	1.35	174.5	Sn	08:53:41.073	0.1					T__				---		15137944	FDSN	HU	--	BUD	BUD	BHE	???	_
CONA	1.79	282.8	Sn	08:53:53.572	1.6					T__				---		15137945	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
2018/05/30	10:01:40.07	1.09	1.02	48.6027	20.9057	6.8	3.9	148	0.0S		13	7	128	0.30	1.19	m	kx BUD	15122477	iLoc			163
(description : known quarry blast)																						
(locality : Drienovec Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.3	5	BUD	15122477

Sta	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	247.0	Pg	10:01:46.795	0.5					T__				---		15122479	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.30	247.0	Lg	10:01:50.295	-0.7					T__				---		15122480	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.30	247.0	Lg	10:01:52.200	1.2					T__		0.1		---		15122481	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.38	143.9	Pg	10:01:48.995	1.1					T__				---		15122482	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.38	143.9	Lg	10:01:54.422	-0.0					T__				---		15122483	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.47	50.6	Pg	10:01:50.071	0.8					T__				---		15122484	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.47	50.6	Lg	10:01:56.867	-0.3					T__				---		15122485	FDSN	SK	--	BUD	iLoc	HHN	???	_
STHS	0.84	15.2	Pn	10:01:58.730	0.1					T__				---		15122486	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.84	15.2	Lg	10:02:08.156	-0.3					T__				---		15122487	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	0.96	225.0	Pg	10:02:00.854	0.6					T__				---		15122488	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.96	225.0	Lg	10:02:14.675	-0.5					T__				---		15122489	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	0.96	69.4	Lg	10:02:14.517	0.5					T__				---		15122490	FDSN	SK	--	BUD	iLoc	HHE	???	_
TRPA	1.19	112.9	Sn	10:02:19.778	-2.3					T__				---		15122491	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
2018/05/31	07:16:53.05	1.28	0.47	48.3126	17.4110	8.3	4.9	125	0.0S		9	6	130	0.11	1.11	m	kx BUD	15122492	iLoc			209
(locality : Rohoznik Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15122492

Sta	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	304.1	Pg	07:16:55.500	-0.4					T__						15122494	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.24	240.6	Pg	07:16:58.922	0.6					T__						15122495	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.24	240.6	Lg	07:17:02.517	0.2					T__						15122496	FDSN	SK	--	BUD	iLoc	HHN	???	_
A334A	0.34	30.9	Pg	07:17:00.841	0.6					T__						15122497	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.51	161.1	Pg	07:17:03.333	-0.3					T__						15122498	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.57	17.4	Pg	07:17:04.446	-0.4					T__						15122499	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.57	17.4	Lg	07:17:13.750	0.2					T__						15122500	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CONA	1.11	250.2	Pn	07:17:15.039	-0.1					T__						15122501	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.11	250.2	Lg	07:17:31.020	-0.3					T__						15122502	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
 2018/05/31 07:49:23.85 1.14 1.86 48.5967 20.7350 11.6 4.6 152 0.0S 11 7 164 0.20 6.06 m kx BUD 15122503 iLoc 238
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.4 5 BUD 15122503

Sta	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	235.7	Pg	07:49:28.346	0.3					T__						15122505	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	235.7	Lg	07:49:31.499	0.2					T__						15122506	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.45	131.6	Pg	07:49:33.214	0.2					T__						15122507	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	57.3	Pg	07:49:35.292	0.5					T__						15122508	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	57.3	Lg	07:49:43.591	-0.6					T__						15122509	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	219.9	Pn	07:49:42.579	-0.2					T__						15122510	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	219.9	Lg	07:49:56.028	-0.1					T__						15122511	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.21	253.2	Pg	07:49:48.143	0.0					T__						15122512	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.21	253.2	Sn	07:50:04.721	-0.8					T__						15122513	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VIRC	5.83	224.5	Pn	07:50:56.420	4.0					T__						15122514	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	6.06	222.6	Pn	07:50:52.710	-3.3					T__						15122515	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
 2018/05/31 09:45:50.52 1.12 0.41 48.3961 18.4876 6.1 4.3 15 0.0S 14 9 77 0.11 1.06 m kx BUD 15122516 iLoc 117
 (description : known quarry blast)
 (locality : Caradice Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.4 5 BUD 15122516

Sta	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	296.8	Pg	09:45:52.906	-0.2					T__						15122518	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.11	296.8	Lg	09:45:55.514	0.4					T__						15122519	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	0.25	67.0	Pg	09:45:55.877	0.1					T__						15122520	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.25	67.0	Lg	09:45:59.893	0.2					T__						15122521	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.38	115.3	Lg	09:46:04.005	0.0					T__						15122522	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A338A	0.39	193.4	Lg	09:46:05.135	0.5					T__						15122523	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.41	357.9	Pg	09:45:58.922	0.2					T__						15122524	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A332A	0.41	357.9	Lg	09:46:05.244	0.4	T__	---	15122525	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.71	310.8	Pg	09:46:05.017	0.0	T__	---	15122526	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.71	310.8	Lg	09:46:15.542	-0.1	T__	---	15122527	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A339A	0.80	224.8	Pn	09:46:08.337	0.4	T__	---	15122528	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.81	268.8	Pn	09:46:07.718	-0.6	T__	---	15122529	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.81	268.8	Lg	09:46:18.866	0.0	T__	---	15122530	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.06	116.4	Lg	09:46:27.452	-0.8	T__	---	15122531	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
2018/05/31	12:20:38.32	1.14	0.89	48.2041	21.2441	6.4	4.5	177	0.0S	16	8	158	0.09	1.21	m	kx	BUD	15122532	iLoc			204
2018/05/31	12:20:38.67f		0.91	48.2470	21.2460f				0.0S	16		153	0.05	1.17	m	kx	BUD_GT	15136989	BUD			198

(GT info : GT2 explosion)

(locality : Tállya Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15136989

Sta	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	12:20:40.298	0.1					T__						15137946	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	12:20:41.153	-0.5					T__						15137947	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	12:20:49.821	-0.1					T__						15137948	FDSN	SK	--	BUD	BUD	EHN	???	_
CRVS	0.67	12.2	Pg	12:20:53.194	1.7					T__						15137949	FDSN	SK	--	BUD	BUD	HHZ	???	_
HOLU	0.81	69.3	Pn	12:20:55.846	-1.0					T__						15137950	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	12:21:08.802	0.8					T__						15137951	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	12:20:55.800	0.1					T__		0.0				15137952	FDSN	IR	--	ISC	BUD	???	???	_
TRPA	0.87	97.2	Pn	12:20:57.142	-0.6					T__						15137954	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	12:21:08.700	-1.9					T__		0.0				15137953	FDSN	IR	--	ISC	BUD	???	???	_
TRPA	0.87	97.2	Lg	12:21:09.471	-1.1					T__						15137955	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	0.96	250.6	Pg	12:20:59.161	0.2					T__						15137956	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	12:21:12.737	-1.2					T__						15137957	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	12:20:59.177	-0.0					T__						15137958	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	12:21:13.081	0.2					T__						15137959	FDSN	SK	--	BUD	BUD	HHN	???	_
KOLS	0.97	44.4	Lg	12:21:13.700	0.8					T__		7.3				15137960	FDSN	IR	--	ISC	BUD	???	???	_
STHS	1.17	359.9	Pn	12:21:03.097	1.2					T__						15137961	FDSN	SK	--	BUD	BUD	EHZ	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2018/06/01	08:39:20.89	1.60	0.50	45.8565	18.4065	11.3	5.0	116	0.0S	7	4	194	0.32	1.37	m	kx	BUD	15122550	iLoc				261

(description : known quarry blast)

(locality : Nagyharsány Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.7	3 BUD	15122550

Sta	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	0.32	317.4	Pg	08:39:28.145	0.3					T__	3.3	5.8			MLv	0.9	15122552	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.32	317.4	Lg	08:39:32.854	-0.4					T__						15122553	FDSN	HU	--	BUD	iLoc	BHN	???	_	

(Station ML : 0.9 1

MORH	0.40	24.7	Pg	08:39:29.391	0.1	T__	2.6	1.2	---	MLv	0.5	15122554	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.40	24.7	Lg	08:39:35.727	-0.1	T__			---			15122555	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 0.5 1																				
A252A	0.57	223.1	Pg	08:39:32.910	0.2	T__	3.2	3.8	---	MLv	1.4	15122556	FDSN	Z3	--	BUD	iLoc	BHZ	BHZ	_
A252A	0.57	223.1	Lg	08:39:40.914	-0.8	T__			---			15122557	FDSN	Z3	--	BUD	iLoc	BHE	???	_
(Station ML : 1.4 1																				
BLY	1.37	219.4	Lg	08:40:07.718	0.3	T__			---			15122558	FDSN	MN	--	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
2018/06/02	08:59:47.89	1.95	0.79	46.1768	18.2864	20.0	5.0	152	0.0S		6	3	205	0.16	0.80	m	kx	BUD	15122572	iLoc		326
2018/06/02	08:59:47.89f		0.57	46.1765	18.2926f				0.0S		6		204	0.16	0.80	m	kx	BUD_GT	15136992	BUD		326
(locality : Komló-II Hungary)																						
(description : known quarry blast)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.2	3 BUD	15122572
ML	1.2	0.2	3 BUD	15136992

Sta	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	08:59:51.721	-0.0					T__		30.8		---	MLv	15137962	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:59:54.581	-0.2					T__				---		15137963	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	08:59:53.687	0.3					T__		2.9		---	MLv	15137964	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:59:57.545	-0.2					T__				---		15137965	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pn	09:00:04.948	-0.8					T__		2.6		---	MLv	15137966	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	09:00:15.385	-1.1					T__				---		15137967	FDSN	Z3	--	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
2018/06/02	09:12:13.97	1.05	0.97	48.4859	18.7403	8.6	3.8	19	0.0S		12	5	144	0.06	0.96	m	kx	BUD	15122593	iLoc		187
(description : known quarry blast)																						
(locality : Bzenica Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4		5 BUD	15122593

Sta	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	82.7	Pg	09:12:16.227	0.7					T__				---		15122595	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.06	82.7	Lg	09:12:17.631	0.9					T__				---		15122596	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.27	261.9	Pg	09:12:20.323	0.7					T__				---		15122597	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.27	261.9	Lg	09:12:24.335	0.4					T__				---		15122598	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.31	145.6	Pg	09:12:21.074	0.8					T__				---		15122599	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.31	145.6	Lg	09:12:26.008	1.1					T__				---		15122600	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.80	298.2	Pn	09:12:31.793	0.0					T__				---		15122601	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.80	298.2	Lg	09:12:42.408	0.5					T__				---		15122602	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.80	298.2	Pg	09:12:30.400	0.3					T__				---		15122603	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.80	298.2	Sn	09:12:44.000	-1.4					T__				---		15122604	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.96	125.9	Pn	09:12:33.153	-0.8					T__				---		15122605	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.96	125.9	Lg	09:12:47.597	-1.3					T__				---		15122606	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
 2018/06/04 08:42:31.62 3.87 0.49 47.0963 18.0311 60.3 7.2 99 0.0S 5 3 212 0.31 1.01 m sx BUD 15122607 iLoc 336
 (description : suspected quarry blast)
 (locality : Szentgál Hungary)

Magnitude Err Nsta Author OrigID
 M 1.7 2 BUD 15122607

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CSKK	0.31	30.3	Pg	08:42:38.097	-0.3					T__						15122609	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.31	30.3	Lg	08:42:43.619	0.0					T__						15122610	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	0.98	154.2	Pn	08:42:52.015	0.5					T__						15122611	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.98	154.2	Sn	08:43:06.972	-0.3					T__						15122612	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.01	177.3	Lg	08:43:07.110	-0.3					T__						15122613	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
 2018/06/04 08:55:52.88 1.65 1.59 48.7439 20.8673 9.9 5.9 100 0.0S 6 4 130 0.36 1.05 m sx BUD 15122614 iLoc 198
 (locality : Dvorniky-Vcelare Slovakia)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 MLv 2.4 0.0 1 BUD 15122614

Sta	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	0.36	224.3	Pg	08:56:01.359	1.1					T__	17.7	122.3				15122616	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.36	224.3	Lg	08:56:05.732	-0.1					T__						15122617	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.51	150.9	Lg	08:56:11.109	-0.7					T__						15122618	FDSN	HU	--	BUD	iLoc	HHE	???	_
STHS	0.72	20.0	Lg	08:56:16.330	-0.7					T__						15122619	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	0.77	331.9	Lg	08:56:17.605	-0.8					T__						15122620	FDSN	PL	--	BUD	iLoc	BHZ	???	_
PSZ	1.05	218.5	Pn	08:56:08.400	-5.9					---		0.0				15122621	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.05	218.5	Lg	08:56:28.459	-2.2					T__						15122622	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
 2018/06/04 10:21:09.18 1.81 0.65 46.0321 18.2518 12.8 5.7 162 0.0S 6 4 193 0.12 0.49 m sx BUD 15122628 iLoc 248
 (locality : Máriagyűd Hungary)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 MLv 0.7 0.6 2 BUD 15122628

Sta	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	0.12	298.0	Pg	10:21:12.535	0.3					T__	24.5	26.1				15122630	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.12	298.0	Lg	10:21:15.062	0.3					T__						15122631	FDSN	HU	--	BUD	iLoc	BHN	???	_
A273A	0.33	249.3	Lg	10:21:20.893	-0.7					T__						15122632	FDSN	Z3	--	BUD	iLoc	HHE	???	_
MORH	0.33	55.9	Pg	10:21:16.586	0.3					T__	2.4	1.0				15122633	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_

MORH	0.33	55.9	Lg	10:21:21.640	-0.2	T__	---	15122634	FDSN	HU	--	BUD	iLoc	BHE	???	_
A266A	0.49	1.0	Lg	10:21:26.810	-0.7	T__	---	15122635	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
2018/06/05	07:43:14.80	1.42	0.46	48.5493	20.7618	9.5	4.8	174	0.0S		9	5	144	0.20	1.28	m	kx	BUD	15122644	iLoc		220
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.2	0.1	5 BUD	15122644

Sta	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	250.3	Pg	07:43:19.318	0.4					T__	12.9	96.5		---	MLv	1.8	15122646	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.20	250.3	Lg	07:43:22.504	0.4					T__				---		15122647	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.8 0)																									
ABAH	0.41	128.3	Pg	07:43:23.542	0.4					T__	2.7	5.1		---	MLv	1.1	15122648	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.41	128.3	Lg	07:43:29.705	-0.4					T__				---		15122649	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.1 1)																									
CRVS	0.58	52.4	Pg	07:43:26.174	0.2					T__	1.7	1.6		---	MLv	1.0	15122650	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
(Station ML : 1.0 0)																									
PSZ	0.86	222.9	Pg	07:43:32.683	-0.2					T__	1.7	3.9		---	MLv	1.6	15122651	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.86	222.9	Lg	07:43:46.566	0.4					T__				---		15122652	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1)																									
VVHS	1.28	268.2	Pg	07:43:40.230	-0.1					T__	2.0	0.9		---	MLv	1.2	15122653	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VVHS	1.28	268.2	Sn	07:43:57.818	-0.6					T__				---		15122654	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
2018/06/05	09:38:40.93	2.18	1.33	47.2368	18.0349	27.1	6.8	97	0.0S		6	4	197	0.20	1.15	m	kx	BUD	15122676	iLoc		232
2018/06/05	09:38:41.81f		1.01	47.2302	18.2835f				0.0S		6		166	0.13	1.15	m	kx	BUD_GT	15135483	BUD		187
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	1.0	2 BUD	15135483

Sta	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	09:38:46.267	1.1					T__		344.7		---	MLv	15137968	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	09:38:48.362	0.5					T__				---		15137969	FDSN	HU	--	BUD	BUD	HHN	???	_
A338A	0.79	3.4	Lg	09:39:08.061	-1.6					T__				---		15137970	FDSN	Z3	00	BUD	BUD	HH3	???	_
MORH	1.04	166.1	Pg	09:39:03.267	0.6					T__		0.7		---	MLv	15137971	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	09:39:18.258	-0.1					T__				---		15137972	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Sn	09:39:20.526	-1.4					T__				---		15137973	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
2018/06/06	06:17:59.13	1.48	1.09	47.3716	18.4043	7.5	6.6	64	0.0S		6	4	130	0.10	1.17	m	sx	BUD	15122692	iLoc		224

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

Magnitude Err Nsta Author OrigID
 ML 2.5 0.1 3 BUD 15122692

Sta	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	265.1	Pg	06:18:02.125	0.4					T__	26.6	846.8		---	MLv	2.5	15122694	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.10	265.1	Lg	06:18:03.164	-0.7					T__				---		15122695	FDSN	HU	--	BUD	iLoc	HNN	???	_	
(Station ML : 2.5 1																									
A270A	0.63	41.0	Lg	06:18:21.273	-0.8					T__				---		15122696	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A339A	0.68	312.4	Pg	06:18:13.861	0.6					T__	2.5	50.2		---	MLv	2.6	15122697	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.6 1																									
MORH	1.17	171.8	Pg	06:18:23.192	0.8					T__	1.1	0.6		---	MLv	0.9	15122698	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.17	171.8	Lg	06:18:38.738	-1.1					T__				---		15122699	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
2018/06/06	06:33:34.00	1.50	1.39	47.3119	18.3601	17.6	6.5	73	0.0S		5	4	164	0.08	1.11	m	kx	BUD	15122713	iLoc		219

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.08	307.2	Lg	06:33:37.700	-0.7					T__				---		15122715	FDSN	HU	--	BUD	iLoc	HNN	???	_
A269A	0.33	2.6	Lg	06:33:45.691	-0.7					T__				---		15122716	FDSN	Z3	00	BUD	iLoc	HNN	???	_
A267A	0.38	167.1	Lg	06:33:46.462	-1.5					T__				---		15122717	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.11	169.8	Pg	06:33:57.002	0.8					T__				---		15122718	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.11	169.8	Sn	06:34:13.205	0.3					T__				---		15122719	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
2018/06/06	07:29:58.87	1.30	0.11	47.5615	18.4343	11.2	5.5	106	0.0S		6	4	156	0.08	0.97	m	kx	BUD	15122720	iLoc		281
2018/06/06	07:29:58.87f		0.26	47.5600	18.4573f				0.0S		6		161	0.09	0.97	m	kx	BUD_GT	15136995	BUD		274

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

Magnitude Err Nsta Author OrigID
 ML 1.8 0.5 3 BUD 15122720
 ML 1.8 0.5 3 BUD 15136995

Sta	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	07:30:01.119	-0.2					T__		174.8		---	MLv	15137974	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A269A	0.09	327.2	Lg	07:30:02.924	-0.3					T__				---		15137975	FDSN	Z3	00	BUD	BUD	HHE	???	_
CSKK	0.24	214.2	Pg	07:30:04.085	-0.1					T__		160.3		---	MLv	15137976	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.24	214.2	Lg	07:30:07.893	-0.4					T__				---		15137977	FDSN	HU	--	BUD	BUD	HNN	???	_
A270A	0.47	52.8	Lg	07:30:16.694	0.3					T__				---		15137978	FDSN	Z3	00	BUD	BUD	HHE	???	_
VYHS	0.97	15.1	Pn	07:30:18.834	0.1					T__		0.6		---	MLv	15137979	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
2018/06/06	08:54:30.58	2.09	0.56	48.5876	20.7643	16.3	5.7	8	0.0S	8	4	225	0.21	1.28	m	kx	BUD	15122741	iLoc			314
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4	4	BUD	15122741

Sta	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	240.7	Pg	08:54:35.340	0.3					T__						15122743	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	240.7	Lg	08:54:38.670	0.2					T__						15122744	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.43	132.5	Pg	08:54:39.732	0.4					T__						15122745	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	132.5	Lg	08:54:46.516	-0.2					T__						15122746	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.89	221.3	Pg	08:54:49.504	0.3					T__						15122747	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	221.3	Lg	08:55:02.964	-0.0					T__						15122748	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.28	266.5	Pg	08:54:56.632	0.5					T__						15122749	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.5	Sn	08:55:13.313	-1.0					T__						15122750	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
2018/06/06	09:44:44.14	1.29	0.74	47.8492	19.1596	8.1	4.4	0	0.0S	12	6	185	0.10	1.42	m	kx	BUD	15122751	iLoc			234
(description : known quarry blast)																						
(locality : Keszeg Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15122751

Sta	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	0.10	267.7	Pg	09:44:46.094	-0.4					T__						15122753	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.10	267.7	Lg	09:44:47.888	-0.6					T__						15122754	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.40	344.4	Pg	09:44:52.446	0.1					T__						15122755	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.40	344.4	Lg	09:44:57.980	-0.5					T__						15122756	FDSN	Z3	00	BUD	iLoc	HH3	???	_
PSZ	0.50	81.8	Pg	09:44:54.958	-0.1					T__						15122757	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.50	81.8	Lg	09:45:02.474	-0.7					T__						15122758	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	0.68	341.6	Pg	09:44:57.860	-0.1					T__						15122759	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.68	341.6	Lg	09:45:06.807	-1.3					T__						15122760	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	1.09	54.0	Pg	09:45:05.205	-0.6					T__						15122761	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	1.09	54.0	Pn	09:45:06.600	0.8					T__		0.1				15122762	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	1.09	54.0	Lg	09:45:21.464	-0.7					T__						15122763	FDSN	SK	--	BUD	iLoc	EHN	???	_
JAVC	1.42	316.1	Sn	09:45:31.495	0.8					T__						15122764	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
2018/06/06	09:47:47.01	1.34	0.78	47.2258	18.3463	15.0	6.2	80	0.0S	6	4	191	0.15	1.15	m	kx	BUD	15122765	iLoc			297
2018/06/06	09:47:46.82f		0.64	47.2302	18.2835f				0.0S	6		172	0.13	1.15	m	kx	BUD_GT	15135499	BUD			297
(GT info : GT2 explosion)																						
(locality : Iszkaszentgyörgy Hungary)																						
(description : known quarry blast)																						

Magnitude Err Nsta Author OrigID
MLv 1.5 0.8 2 BUD 15135499

Sta	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	09:47:50.770	0.6					T__		252.5		---	MLv	15137980	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	09:47:53.297	0.5					T__				---		15137981	FDSN	HU	--	BUD	BUD	HHE	???	_
A263A	0.89	228.7	Sn	09:48:19.735	-0.9					T__				---		15137982	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	1.04	166.1	Pg	09:48:08.080	0.4					T__		0.7		---	MLv	15137983	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	09:48:23.141	-0.2					T__				---		15137984	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Sn	09:48:25.911	-1.0					T__				---		15137985	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
2018/06/06	09:57:13.85	1.00	1.38	47.9271	20.0635	5.5	3.9	167	0.0S		20	10	88	0.11	2.13	m	kx BUD	15122781	iLoc			145
2018/06/06	09:57:14.53f		1.83	47.8987	20.0893f				0.0S		20		90	0.13	2.10	m	kx BUD_GT	15135504	BUD			148

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

Magnitude Err Nsta Author OrigID
M 2.0 6 BUD 15135504

Sta	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	09:57:16.548	-1.4					T__				---		15137987	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.13	278.6	Lg	09:57:18.661	-2.1					T__				---		15137988	FDSN	GE	--	BUD	BUD	BHE	???	_
PSZ	0.13	278.6	Lg	09:57:19.000	-1.8					T__		3.9		---		15137986	FDSN	IR	--	ISC	BUD	???	???	_
KECS	0.64	24.2	Lg	09:57:36.229	-1.0					T__				---		15137989	FDSN	SK	--	BUD	BUD	EHE	???	_
A270A	0.72	266.1	Pg	09:57:29.945	0.5					T__				---		15137990	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.72	266.1	Lg	09:57:39.027	-1.5					T__				---		15137991	FDSN	Z3	00	BUD	BUD	HHE	???	_
A336A	0.80	295.0	Pg	09:57:31.057	0.3					T__				---		15137992	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.80	295.0	Lg	09:57:40.616	-2.0					T__				---		15137993	FDSN	Z3	00	BUD	BUD	HH2	???	_
BUD	0.83	240.4	Lg	09:57:42.938	-2.0					T__				---		15137994	FDSN	HU	--	BUD	BUD	BHE	???	_
ABAH	0.87	62.3	Pg	09:57:31.618	-0.1					T__				---		15137995	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.87	62.3	Lg	09:57:43.923	-2.2					T__				---		15137996	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	1.03	305.9	Pg	09:57:34.792	-0.4					T__				---		15137997	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Lg	09:57:46.711	-3.6					T__				---		15137998	FDSN	SK	--	BUD	BUD	HHN	???	_
JAVC	1.88	301.7	Pg	09:57:49.900	-2.2					T__				---		15138000	FDSN	IR	--	ISC	BUD	???	???	_
JAVC	1.88	301.7	Sn	09:58:13.300	0.6					T__				---		15138001	FDSN	IR	--	ISC	BUD	???	???	_
JAVC	1.88	301.7	Sn	09:58:15.544	2.9					T__				---		15137999	FDSN	CZ	--	BUD	BUD	BHE	???	_
MORH	1.95	210.9	Pn	09:57:50.152	2.0					T__				---		15138002	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.95	210.9	Pg	09:57:52.671	-1.4					T__				---		15138003	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.95	210.9	Sn	09:58:15.217	1.4					T__				---		15138004	FDSN	HU	--	BUD	BUD	BHZ	???	_
DRGR	2.10	120.9	Sn	09:58:15.800	-2.5					T__				---		15138005	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
2018/06/06	10:02:35.12	1.07	0.80	48.1037	16.9684	5.9	4.1	110	0.0S		15	9	98	0.13	1.31	m	sx BUD	15122803	iLoc			157

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

Magnitude Err Nsta Author OrigID
M 1.7 7 BUD 15122803

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZST	0.13	44.1	Pg	10:02:38.111	-0.2					T__						15122805	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.13	44.1	Lg	10:02:40.362	-0.5					T__						15122806	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.34	37.3	Pg	10:02:41.712	-0.8					T__						15122807	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.34	37.3	Lg	10:02:46.698	-1.3					T__						15122808	FDSN	SK	--	BUD	iLoc	HHN	???	_
A003A	0.35	170.6	Pg	10:02:41.849	-0.8					T__						15122809	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.35	170.6	Lg	10:02:48.408	0.2					T__						15122810	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CONA	0.76	257.1	Lg	10:03:00.062	-1.7					T__						15122811	FDSN	OE	--	BUD	iLoc	BHE	???	_
JAVC	0.89	31.5	Pn	10:02:55.007	0.7					T__						15122812	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.03	338.6	Pg	10:02:55.042	0.4					T__						15122813	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.03	338.6	Lg	10:03:08.648	-0.8					T__						15122814	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.23	348.5	Pg	10:02:58.331	0.1					T__						15122815	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.23	348.5	Lg	10:03:15.191	-0.2					T__						15122816	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.30	229.4	Pg	10:03:00.823	0.5					T__						15122817	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.30	229.4	Sn	10:03:18.758	0.2					T__						15122818	FDSN	OE	--	BUD	iLoc	BHE	???	_
VYHS	1.31	71.9	Pg	10:03:01.724	0.5					T__						15122819	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
2018/06/06 10:52:19.56 1.56 0.62 45.5926 17.3548 8.3 5.8 85 8.9F 11.9 15 10 91 0.38 1.75 m ke BUD 15122820 iLoc 166

Magnitude Err Nsta Author OrigID
M 2.0 7 BUD 15122820

Sta	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	0.38	114.2	Pg	10:52:27.270	-0.3					T__						15122822	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.38	114.2	Lg	10:52:33.736	0.1					T__						15122823	FDSN	Z3	--	BUD	iLoc	BHE	???	_
KOVH	0.72	46.1	Pg	10:52:33.454	-0.7					T__						15122824	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.72	46.1	Lg	10:52:45.019	0.3					T__						15122825	FDSN	HU	--	BUD	iLoc	BHN	???	_
BLY	0.81	188.7	Pn	10:52:37.235	0.8					T__						15122826	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.81	188.7	Sn	10:52:49.247	-0.3					T__						15122827	FDSN	MN	--	BUD	iLoc	BHN	???	_
A265A	0.89	20.1	Pg	10:52:37.742	0.4					T__						15122828	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BEHE	0.97	335.5	Pn	10:52:38.861	0.1					T__						15122829	FDSN	HU	--	BUD	iLoc	BHZ	???	_
PTJ	1.02	288.5	Pn	10:52:38.914	-0.5					T__						15122830	FDSN	CR	--	BUD	iLoc	BHZ	???	_
MORH	1.10	54.8	Pn	10:52:40.106	-0.0					T__						15122831	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.10	54.8	Lg	10:52:56.701	0.1					T__						15122832	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	1.15	318.4	Sn	10:52:57.142	-0.7					T__						15122833	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	1.35	280.6	Pn	10:52:44.463	0.5					T__						15122834	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.35	280.6	Sn	10:53:02.606	-0.5					T__						15122835	FDSN	SL	--	BUD	iLoc	BHN	???	_
A260A	1.75	345.4	Pn	10:52:50.694	1.2					T__						15122836	FDSN	Z3	00	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
2018/06/06 11:17:06.99 0.31 0.39 46.8173 22.8520 2.7 1.8 165 3.4F 2.0 12 167 0.10 2.06 a ke BUC 15106452 ISC 360
2018/06/06 11:17:04.62 1.18 0.67 46.9073 22.8460 8.4 3.5 150 0.0S 25 9 193 0.15 2.12 m sx BUD 15122837 iLoc 206

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

Magnitude Err Nsta Author OrigID
 ml 1.1 BUC 15106452

Sta	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	218.7	Pg	11:17:08.445	0.4					T__						15122839	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.15	218.7	Lg	11:17:11.040	0.1					T__						15122840	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.15	218.7	Pg	11:17:08.592	0.6					T__						15122841	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.15	218.7	Pg	11:17:08.592	0.6					T__		0.1				15122842	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	140.9	Pg	11:17:11.190	0.3					T__						15122843	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	140.9	Pg	11:17:11.190	0.3					T__		0.1				15122844	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	140.9	Lg	11:17:15.159	-0.9					T__		0.1				15122845	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.04	232.2	Pn	11:17:25.595	-0.1					T__						15122846	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.04	232.2	Lg	11:17:40.404	-1.2					T__						15122847	FDSN	RO	--	BUD	iLoc	BHN	???	_
SURR	1.26	203.7	Pg	11:17:29.644	0.6					T__						15122848	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	203.7	Pg	11:17:29.644	0.6					T__						15122849	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	203.7	Lg	11:17:45.891	-1.1					T__						15122850	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.52	181.8	Pg	11:17:34.246	0.7					T__						15122851	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.52	181.8	Sn	11:17:54.195	-0.1					T__						15122852	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.54	213.4	Sn	11:17:54.603	0.2					T__						15122853	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.55	213.9	Pg	11:17:34.897	0.2					T__						15122855	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.55	213.9	Pg	11:17:34.897	0.2					T__						15122854	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.55	213.9	Sn	11:17:54.406	-0.3					T__						15122856	FDSN	IR	--	ISC	iLoc	???	???	_
BUR01	1.76	65.5	Pg	11:17:39.460	0.6					T__						15122857	FDSN	IR	--	ISC	iLoc	???	???	_
BUR01	1.76	65.5	Lg	11:18:02.941	-1.1					T__						15122858	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	65.5	Pg	11:17:39.460	0.6					T__						15122859	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	65.5	Lg	11:18:02.941	-1.1					T__						15122860	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.12	133.0	Pn	11:17:42.143	0.6					T__						15122861	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.12	133.0	Pn	11:17:42.143	0.6					T__						15122862	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.12	133.0	Sn	11:18:10.011	-0.3					T__						15122863	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
2018/06/07	02:50:57.68	0.15	0.40	45.9643	22.1661	1.5	1.0	107	6.1F	2.1	24		84	0.21	2.08	a	ke BUC	15106496	ISC			360
2018/06/07	02:50:57.13	0.99	1.01	45.9810	22.1563	3.4	3.0	100	9.0F	6.5	52	15	84	0.23	2.10	m	ke BUD	15122864	iLoc			127

Magnitude Err Nsta Author OrigID
 ml 1.8 BUC 15106496
 M 1.9 6 BUD 15122864

Sta	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	185.6	Pg	02:51:02.478	0.5					T__						15122866	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.23	185.6	Pg	02:51:02.478	0.5					T__						15122867	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.23	185.6	Lg	02:51:05.567	0.1					T__						15122868	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.45	309.8	Pg	02:51:06.967	0.5					T__						15122869	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.45	309.8	Lg	02:51:12.991	-0.6					T__						15122870	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.45	309.9	Pg	02:51:07.176	0.6					T__						15122871	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.45	309.9	Pg	02:51:07.176	0.6					T__						15122872	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.51	225.1	Pg	02:51:07.451	0.1					T__						15122873	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.51	225.1	Lg	02:51:14.549	-0.4					T__						15122874	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.52	226.2	Pg	02:51:07.200	-0.4					T__		0.0				15122875	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.52	226.2	Lg	02:51:14.370	-1.0					T__						15122876	FDSN	IR	--	ISC	iLoc	???	???	_

BZS	0.52	226.2	Lg	02:51:14.400	-1.0	T__	0.0	---	15122877	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.53	100.0	Pg	02:51:07.486	0.1	T__		---	15122878	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.53	100.0	Lg	02:51:14.653	-0.5	T__		---	15122879	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.53	100.4	Pg	02:51:07.600	0.2	T__	0.1	---	15122880	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.53	100.4	Pg	02:51:07.692	0.2	T__		---	15122882	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.53	100.4	Pg	02:51:07.692	0.2	T__		---	15122881	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.53	100.4	Lg	02:51:14.787	-0.5	T__		---	15122883	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.53	100.4	Lg	02:51:14.800	-0.5	T__	0.1	---	15122884	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.73	143.3	Pg	02:51:11.467	0.2	T__		---	15122885	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.73	143.3	Pg	02:51:11.699	0.4	T__		---	15122886	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.73	143.3	Pg	02:51:11.699	0.4	T__		---	15122887	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.73	143.3	Lg	02:51:20.538	-1.4	T__		---	15122888	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	0.73	143.3	Lg	02:51:20.900	-1.1	T__	0.2	---	15122889	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.73	143.3	Sg	02:51:21.106	-0.9	T__		---	15122890	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.90	25.1	Pn	02:51:15.100	-0.0	T__	0.1	---	15122891	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.90	25.1	Sn	02:51:26.400	-3.0	T__	0.1	---	15122892	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.90	25.1	Lg	02:51:27.364	-1.7	T__		---	15122893	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.90	25.1	Pn	02:51:15.310	0.2	T__		---	15122894	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.90	25.1	Sn	02:51:26.874	-2.5	T__		---	15122895	FDSN	RO	--	BUD	iLoc	BHE	???	_
MARR	0.96	43.5	Pn	02:51:16.306	0.1	T__		---	15122896	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.96	43.5	Pn	02:51:16.306	0.1	T__		---	15122897	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.96	43.5	Sn	02:51:30.174	-1.1	T__		---	15122898	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.12	170.5	Pg	02:51:18.741	0.2	T__		---	15122899	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.12	170.5	Pg	02:51:18.741	0.2	T__		---	15122900	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.12	170.5	Sn	02:51:33.364	-0.7	T__		---	15122901	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.24	53.2	Pg	02:51:21.612	0.3	T__		---	15122902	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	1.24	53.2	Sn	02:51:38.542	0.5	T__		---	15122903	FDSN	RO	--	BUD	iLoc	BHE	???	_
CJR	1.24	53.2	Sn	02:51:38.700	0.6	T__	0.1	---	15122904	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.24	53.2	Lg	02:51:39.437	-0.5	T__		---	15122905	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.24	194.8	Pg	02:51:21.189	-0.1	T__		---	15122906	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.24	194.8	Pg	02:51:21.189	-0.1	T__		---	15122907	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.24	194.8	Sn	02:51:37.599	0.0	T__		---	15122908	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.29	24.8	Sn	02:51:40.124	1.0	T__		---	15122909	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.29	24.8	Sn	02:51:40.124	1.0	T__		---	15122910	FDSN	IR	--	ISC	iLoc	???	???	_
RMGR	1.37	163.8	Lg	02:51:42.681	0.9	T__		---	15122911	FDSN	IR	--	ISC	iLoc	???	???	_
RMGR	1.37	163.8	Lg	02:51:42.681	0.9	T__		---	15122912	FDSN	IR	--	ISC	iLoc	???	???	_
LTVH	1.42	352.9	Sn	02:51:44.843	3.0	T__		---	15122913	FDSN	HU	--	BUD	iLoc	HHE	???	_
ARCR	1.88	53.1	Sn	02:51:55.957	2.1	T__		---	15122914	FDSN	RO	--	BUD	iLoc	BHE	???	_
VOIR	2.10	104.0	Pn	02:51:32.891	0.6	T__		---	15122915	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.10	104.0	Pn	02:51:32.891	0.6	T__		---	15122916	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.10	104.0	Sn	02:52:00.766	0.8	T__		---	15122917	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
 2018/06/07 10:51:44.24 1.30 0.71 48.4053 19.3434 8.9 4.5 2 0.0S 9 5 150 0.29 1.20 m kx BUD 15122918 iLoc 209
 (description : known quarry blast)
 (locality : Viglas Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15122918

Sta 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	0.29	233.3	Pg	10:51:50.667	0.5	T__	---	15122920	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.29	233.3	Lg	10:51:54.800	0.2	T__	---	15122921	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	0.61	142.7	Pg	10:51:57.792	0.5	T__	---	15122922	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.61	142.7	Lg	10:52:05.825	-1.3	T__	---	15122923	FDSN	GE	--	BUD	iLoc	BHN	???	_
A335A	0.67	273.9	Pg	10:51:57.911	0.1	T__	---	15122924	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.67	273.9	Lg	10:52:06.891	-0.8	T__	---	15122925	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	0.76	83.7	Pg	10:51:59.870	0.4	T__	---	15122926	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.76	83.7	Lg	10:52:10.776	-0.2	T__	---	15122927	FDSN	SK	--	BUD	iLoc	EHN	???	_
JAVC	1.20	292.9	Sn	10:52:25.525	0.1	T__	---	15122928	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
2018/06/08	07:31:19.75	0.33	0.19	46.7974	22.8844	2.9	1.2	8	5.3F	1.6	10	219	0.12	1.46	a	ke	BUC	15106583	ISC			360
2018/06/08	07:31:19.36	1.51	0.56	46.7890	22.8598	9.2	3.8	18	0.0S		17	6	210	0.10	1.48	m	sx	BUD	15122929	iLoc		244
(description : suspected quarry blast)																						
(locality : Poieni Romania)																						

Magnitude	Err	Nsta	Author	OrigID
ml	0.8		BUC	15106583
M	1.6	4	BUD	15122929

Sta	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	0.10	271.5	Lg	07:31:24.223	0.1					T__						15122931	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.10	271.6	Pg	07:31:22.085	0.2					T__						15122932	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.10	271.6	Lg	07:31:24.528	0.4					T__						15122933	FDSN	RO	--	BUD	iLoc	BHZ	???	_
MARR	0.21	122.3	Pg	07:31:23.783	-0.2					T__						15122934	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.21	122.3	Pg	07:31:23.783	-0.2					T__						15122935	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.21	122.3	Lg	07:31:27.006	-0.8					T__						15122936	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.98	238.1	Pg	07:31:39.134	-0.2					T__						15122937	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.98	238.1	Lg	07:31:53.485	-0.8					T__						15122938	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.98	238.2	Lg	07:31:53.140	-1.1					T__						15122939	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.15	206.5	Pn	07:31:42.003	0.2					T__						15122940	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.15	206.5	Pn	07:31:42.003	0.2					T__						15122941	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.15	206.5	Lg	07:31:58.207	-0.1					T__						15122942	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.44	216.3	Pg	07:31:46.767	-0.7					T__						15122943	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.44	216.3	Lg	07:32:09.871	0.6					T__						15122944	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.46	216.8	Sn	07:32:07.127	0.1					T__						15122945	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.48	154.4	Pg	07:31:48.373	0.6					T__						15122946	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	1.48	154.4	Lg	07:32:09.668	0.4					T__						15122947	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	
2018/06/08	08:05:08.72	1.64	0.42	48.5603	20.7903	11.9	6.0	157	0.0S		6	4	162	0.22	0.88	m	kx	BUD	15122948	iLoc			242
(locality : Dvorniky-Vcelare Slovakia)																							
(description : known quarry blast)																							

Magnitude	Err	Nsta	Author	OrigID
M	1.4	4	BUD	15122948

Sta	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	249.3	Pg	08:05:13.622	0.4	T__	---	15122950	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	249.3	Lg	08:05:16.530	-0.2	T__	---	15122951	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.40	131.3	Pg	08:05:17.188	0.3	T__	---	15122952	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	52.2	Pg	08:05:19.542	0.1	T__	---	15122953	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.88	223.3	Pg	08:05:27.332	0.1	T__	---	15122954	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	223.3	Lg	08:05:40.350	-0.5	T__	---	15122955	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
 2018/06/08 08:06:44.64 1.06 0.68 48.4223 19.1320 5.7 3.9 19 0.0S 16 9 122 0.21 1.71 m kx BUD 15122956 iLoc 171
 (locality : Hanisberg Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.9 5 BUD 15122956

Sta	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	0.21	205.2	Pg	08:06:49.450	0.4					T__						15122958	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.21	205.2	Lg	08:06:52.178	-0.1					T__						15122959	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.53	273.0	Pg	08:06:55.169	-0.3					T__						15122960	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.53	273.0	Lg	08:07:02.476	-0.9					T__						15122961	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A270A	0.58	187.5	Lg	08:07:05.725	0.1					T__						15122962	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.66	232.3	Lg	08:07:07.838	-0.0					T__						15122963	FDSN	Z3	00	BUD	iLoc	HH3	???	_
PSZ	0.72	134.4	Pg	08:06:59.956	0.1					T__						15122964	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.72	134.4	Lg	08:07:09.720	-1.5					T__						15122965	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.90	85.6	Pg	08:07:02.657	0.1					T__						15122966	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.90	85.6	Lg	08:07:16.228	0.1					T__						15122967	FDSN	SK	--	BUD	iLoc	EHE	???	_
JAVC	1.06	294.8	Pg	08:07:05.773	-0.1					T__						15122968	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.06	294.8	Lg	08:07:21.387	0.1					T__						15122969	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.06	294.8	Pn	08:07:07.100	1.0					T__						15122970	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.06	294.8	Lg	08:07:21.500	0.2					T__						15122971	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	1.24	268.4	Sn	08:07:25.507	-1.1					T__						15122972	FDSN	SK	--	BUD	iLoc	HHE	???	_
MORC	1.71	323.0	Sn	08:07:37.971	-0.7					T__						15122973	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
 2018/06/08 08:15:53.35 1.60 0.77 48.5411 20.7833 19.4 5.4 134 0.0S 5 4 173 0.21 0.93 m kx BUD 15122974 iLoc 205
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.4 3 BUD 15122974

Sta	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	253.8	Pg	08:15:58.189	0.5					T__						15122976	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.58	50.9	Pg	08:16:04.871	0.5					T__						15122977	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.86	224.0	Pg	08:16:11.224	-0.3					T__						15122978	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	224.0	Lg	08:16:24.865	-0.0					T__						15122979	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.93	18.9	Lg	08:16:23.688	-0.8					T__						15122980	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
 2018/06/08 09:57:30.09 1.21 0.65 46.2350 18.4486 6.2 5.0 160 0.0S 9 5 121 0.14 0.90 m sx BUD 15122981 iLoc 231
 (description : suspected quarry blast)
 (locality : Nagymányok Hungary)

Magnitude Err Nsta Author OrigID
 M 1.3 4 BUD 15122981

Sta	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	0.14	98.0	Pg	09:57:33.508	0.1					T__						15122983	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.14	98.0	Lg	09:57:36.013	-0.2					T__						15122984	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.28	238.9	Pg	09:57:36.753	0.4					T__						15122985	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.28	238.9	Lg	09:57:41.409	0.2					T__						15122986	FDSN	HU	--	BUD	iLoc	BHN	???	_
A266A	0.32	336.4	Pg	09:57:37.071	0.0					T__						15122987	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.32	336.4	Lg	09:57:42.411	-0.0					T__						15122988	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A273A	0.54	234.3	Lg	09:57:48.394	-1.5					T__						15122989	FDSN	Z3	--	BUD	iLoc	HHN	???	_
A252A	0.90	207.9	Pn	09:57:49.346	0.1					T__						15122990	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.90	207.9	Lg	09:58:02.677	0.2					T__						15122991	FDSN	Z3	--	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
 2018/06/08 10:28:20.32 1.68 0.58 46.1561 18.2935 16.3 5.0 152 0.0S 6 3 192 0.15 0.79 m kx BUD 15122992 iLoc 320
 2018/06/08 10:28:20.11f 0.50 46.1765 18.2926f 0.0S 6 204 0.16 0.80 m kx BUD_GT 15136998 BUD 326
 (locality : Komló-II Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 ML 1.0 0.8 3 BUD 15122992
 ML 1.0 0.8 3 BUD 15136998

Sta	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	10:28:24.211	0.3					T__		18.6			MLv	15138006	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	10:28:26.567	-0.5					T__						15138007	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	10:28:26.300	0.7					T__		2.8			MLv	15138008	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	10:28:29.655	-0.3					T__						15138009	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pg	10:28:36.586	0.2					T__		4.3			MLv	15138010	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	10:28:47.905	-0.8					T__						15138011	FDSN	Z3	--	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
 2018/06/08 15:34:39.29 0.27 0.32 46.1235 21.6605 2.9 1.3 104 9.6F 2.4 12 179 0.14 1.35 a ke BUC 15106608 ISC 360
 2018/06/08 15:34:37.39 1.26 0.47 46.1438 21.5289 10.8 4.7 103 16.2F 7.6 25 7 197 0.15 1.41 m ke BUD 15123049 iLoc 224

Magnitude Err Nsta Author OrigID
 ml 1.4 BUC 15106608
 ML 1.8 0.3 3 BUD 15123049

Sta	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	37.4	Pg	15:34:42.183	0.3					T__	57.8	44.3		---	MLv	1.4	15123051	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.15	37.4	Lg	15:34:44.330	-1.0					T__				---		15123052	FDSN	RO	--	BUD	iLoc	BHE	???	???	_
SIRR	0.15	36.2	Pg	15:34:42.317	0.4					T__				---		15123053	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.15	36.2	Pg	15:34:42.317	0.4					T__				---		15123054	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	0.15	36.2	Lg	15:34:45.343	0.0					T__				---		15123055	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.4 1																									
BZS	0.53	173.3	Pn	15:34:48.925	0.1					T__				---		15123056	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.53	173.3	Pn	15:34:48.925	0.1					T__				---		15123057	FDSN	IR	--	ISC	iLoc	???	???	_	
BZS	0.53	173.3	Lg	15:34:55.914	-0.1					T__				---		15123058	FDSN	IR	--	ISC	iLoc	???	???	_	
BANR	0.81	200.0	Sn	15:35:04.630	-0.4					T__				---		15123059	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
DRGR	1.04	51.2	Pg	15:34:58.856	0.7					T__				---		15123060	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.04	51.2	Pg	15:34:58.856	0.7					T__				---		15123061	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.04	51.2	Sn	15:35:11.838	-0.0					T__				---		15123062	FDSN	IR	--	ISC	iLoc	???	???	_	
DRGR	1.04	51.2	Pg	15:34:58.404	0.2					T__	2.5	5.7		---	MLv	1.8	15123063	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.04	51.2	Sn	15:35:11.304	-0.5					T__				---		15123064	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.8 1																									
GZR	1.15	130.2	Pg	15:34:59.937	0.4					T__	5.4	8.4		---	MLv	2.1	15123065	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.15	130.2	Pg	15:35:00.072	0.6					T__				---		15123066	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.15	130.2	Pg	15:35:00.072	0.6					T__				---		15123067	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.15	130.2	Lg	15:35:15.267	-0.6					T__				---		15123068	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.15	130.2	Lg	15:35:15.933	0.0					T__				---		15123069	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.1 1																									
MARR	1.22	63.6	Pg	15:35:01.404	-0.2					T__				---		15123070	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.22	63.6	Pg	15:35:01.404	-0.2					T__				---		15123071	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.22	63.6	Sn	15:35:16.969	0.4					T__				---		15123072	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.41	153.4	Pg	15:35:04.500	0.2					T__				---		15123073	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.41	153.4	Pg	15:35:04.500	0.2					T__				---		15123074	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.41	153.4	Lg	15:35:23.119	-0.5					T__				---		15123075	FDSN	IR	--	ISC	iLoc	???	???	_	

Date 2018/06/11 Time 07:57:46.34 Err 1.20 RMS 0.46 Latitude 48.6085 Longitude 20.7247 Smaj 8.2 Smin 5.2 Az 168 Depth 0.0S Err Ndef 11 Nsta 7 Gap 86 mdist 0.20 Mdist 1.26 m Qual kx Author BUD OrigID 15123013 Rep iLoc DPdep Err Sgp 160
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.5 6 BUD 15123013

Sta	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	231.8	Pg	07:57:50.861	0.3					T__				---		15123015	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	231.8	Lg	07:57:53.612	-0.3					T__				---		15123016	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	231.8	Lg	07:57:54.400	0.5					T__		0.7		---		15123017	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.46	132.2	Pg	07:57:56.329	0.6					T__				---		15123018	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.46	132.2	Lg	07:58:03.303	-0.4					T__				---		15123019	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	58.6	Pg	07:57:57.744	0.5					T__				---		15123020	FDSN	SK	--	BUD	iLoc	HHZ	???	_
STHS	0.88	22.7	Pn	07:58:04.667	-0.7					T__				---		15123021	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PSZ	0.89	219.1	Pn	07:58:05.093	-0.3					T__				---		15123022	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	219.1	Lg	07:58:18.698	-0.0					T__				---		15123023	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.99	303.6	Pn	07:58:06.594	-0.2					T__				---		15123024	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.26	265.5	Lg	07:58:29.809	-0.1					T__				---		15123025	FDSN	SK	--	BUD	iLoc	HHN	???	_
PABE	7.19	14.9	Pg	08:00:05.320	6.1					---				---		15123026	FDSN	IR	--	ISC	iLoc	???	???	_

VSVD 7.64 13.7 Pn 07:59:44.670 6.4 --- --- 15123027 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
2018/06/11	08:56:43.48	2.38	1.31	46.3634	18.1246	16.0	6.7	168	0.0S	6	4	221	0.28	0.95	m	kx	BUD	15123028	iLoc			292
2018/06/11	08:56:45.56f		2.64	46.1765	18.2926f				0.0S	6		171	0.16	0.80	m	kx	BUD_GT	15137001	BUD			293

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	3 BUD	15123028
ML	1.5	0.1	3 BUD	15137001

Sta	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	08:56:50.598	1.2					T__		29.8		---	MLv	15138012	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:56:53.709	1.2					T__				---		15138013	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	08:56:52.554	1.5					T__		5.6		---	MLv	15138014	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:56:56.659	1.2					T__				---		15138015	FDSN	HU	--	BUD	BUD	BHN	???	_
A264A	0.70	269.0	Lg	08:57:04.982	-5.9					T__				---		15138016	FDSN	Z3	00	BUD	BUD	HHN	???	_
A252A	0.80	202.9	Pn	08:57:02.848	-0.5					T__		2.8		---	MLv	15138017	FDSN	Z3	--	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
2018/06/11	10:12:45.13	1.08	0.91	48.7854	21.2339	6.1	3.9	145	0.0S	16	7	100	0.19	1.62	m	kx	BUD	15123089	iLoc			151

(locality : Trebejov Slovakia)
(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.6		6 BUD	15123089

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.19	52.0	Lg	10:12:52.600	0.1					T__		0.1		---		15123091	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.19	52.0	Pg	10:12:49.243	0.2					T__				---		15123092	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.19	52.0	Lg	10:12:51.978	-0.5					T__				---		15123093	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	0.58	238.9	Pg	10:12:57.061	0.3					T__				---		15123094	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.58	238.9	Lg	10:13:05.263	-0.2					T__				---		15123095	FDSN	SK	--	BUD	iLoc	EHE	???	_
STHS	0.63	0.6	Pg	10:12:56.513	-0.3					T__				---		15123096	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.63	0.6	Lg	10:13:05.618	-0.8					T__				---		15123097	FDSN	SK	--	BUD	iLoc	EHN	???	_
HOLU	0.81	108.3	x	10:13:02.519	-99.0					---				---		15123098	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MUKU	1.02	108.5	Pn	10:13:06.797	0.5					T__				---		15123099	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	1.09	126.5	Pn	10:13:07.600	0.4					T__		0.0		---		15123100	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.09	126.5	Lg	10:13:22.500	-1.9					T__		0.0		---		15123101	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.09	126.5	Pn	10:13:08.698	1.5					T__				---		15123102	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.09	126.5	Lg	10:13:23.703	-0.7					T__				---		15123103	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.25	226.3	Pg	10:13:10.801	-0.2					T__				---		15123104	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.25	226.3	Lg	10:13:29.279	-0.3					T__				---		15123105	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.62	260.5	Pg	10:13:17.476	0.2					T__				---		15123106	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.62	260.5	Lg	10:13:38.871	-1.6					T__				---		15123107	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
2018/06/11	10:20:44.18	1.16	1.34	48.3891	18.4600	10.8	3.9	19	0.0S		11	6	153	0.10	1.07	m	kx BUD	15123108	iLoc			189
(locality : Hostie Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.3	4	BUD	15123108

Sta	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	0.10	305.0	Pg	10:20:47.026	0.5					T__						15123110	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.10	305.0	Lg	10:20:49.198	0.8					T__						15123111	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.27	67.1	Pg	10:20:50.474	0.7					T__						15123112	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.27	67.1	Lg	10:20:54.871	0.8					T__						15123113	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.39	113.2	Lg	10:20:58.096	-0.0					T__						15123114	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.70	312.2	Pg	10:20:58.818	0.3					T__						15123115	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.70	312.2	Lg	10:21:05.800	-3.2					T__						15123116	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	0.79	269.3	Pn	10:21:01.553	-0.2					T__						15123117	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.79	269.3	Lg	10:21:13.116	1.2					T__						15123118	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.07	115.6	Pg	10:21:06.296	-0.3					T__						15123119	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.07	115.6	Lg	10:21:21.608	-0.8					T__						15123120	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
2018/06/12	06:12:58.71	1.92	0.89	46.9816	22.8175	14.1	6.4	151	0.0S		10	6	198	0.20	1.75	m	sx BUD	15123121	iLoc			287
(description : suspected quarry blast)																						
(locality : Poieni Romania)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15123121

Sta	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	0.20	201.0	Pg	06:13:03.918	0.7					T__						15123123	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.20	201.0	Lg	06:13:06.055	-0.9					T__						15123124	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.07	228.4	Pg	06:13:20.916	0.5					T__						15123125	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.07	228.4	Lg	06:13:35.368	-1.4					T__						15123126	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.59	211.3	Sn	06:13:50.534	0.7					T__						15123127	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.59	181.0	Pg	06:13:29.872	0.8					T__						15123128	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.59	181.0	Sn	06:13:50.432	0.2					T__						15123129	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	1.67	156.4	Pg	06:13:31.094	0.4					T__						15123130	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	1.67	156.4	Sn	06:13:52.366	-0.5					T__						15123131	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	1.75	66.9	Lg	06:13:57.036	-0.7					T__						15123132	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
2018/06/12	06:45:21.20			48.5600	17.8200				7.0A		9					a	kx PRU	15106669	ISC			360
2018/06/12	06:45:20.52	0.26	1.61	48.6344	18.0540	3.3	1.6	37	0.0F	0.0	14		3	1.50	1.62	a	sx VIE	15106665	ISC			360
2018/06/12	06:45:19.47	0.92	0.73	48.6519	18.0928	4.1	2.8	41	0.0S		37	20	97	0.26	2.05	m	kx BUD	15123160	iLoc			111
(locality : Závada Slovakia)																						

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	1.6		VIE	15106665
m1	2.0		VIE	15106665
M	1.9	8	BUD	15123160

Sta	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	0.26	141.7	Pg	06:45:25.468	0.5					T__						15123162	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.26	141.7	Lg	06:45:29.613	0.6					T__						15123163	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A334A	0.28	260.4	Pg	06:45:25.369	-0.1					T__						15123164	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A334A	0.28	260.4	Lg	06:45:29.800	-0.0					T__						15123165	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.35	306.7	Pg	06:45:27.463	0.6					T__						15123166	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.35	306.7	Lg	06:45:32.246	-0.1					T__						15123167	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.35	306.7	Pg	06:45:27.200	0.3					T__						15123168	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.35	306.7	Lg	06:45:32.000	-0.4					T__						15123169	FDSN	IR	--	ISC	iLoc	???	???	_
A331A	0.51	9.6	Lg	06:45:34.558	-2.2					T__						15123170	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	0.52	107.5	Pg	06:45:30.160	0.2					T__						15123171	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.52	107.5	Lg	06:45:38.506	0.8					T__						15123172	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.61	243.1	Pg	06:45:31.432	-0.6					T__						15123173	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A338A	0.66	164.7	Pg	06:45:33.260	0.4					T__						15123174	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.66	164.7	Lg	06:45:43.451	0.9					T__						15123175	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A336A	0.73	124.4	Lg	06:45:44.687	-0.3					T__						15123176	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MAUC	0.74	346.4	Pn	06:45:36.100	-0.2					T__						15123177	FDSN	IR	--	ISC	iLoc	???	???	_
MAUC	0.74	346.4	Sn	06:45:48.100	-1.1					T__		13.3	0.60			15123178	FDSN	IR	--	ISC	iLoc	???	???	_
ZST	0.80	235.7	Pn	06:45:36.826	-0.3					T__						15123179	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.80	235.7	Lg	06:45:48.277	0.8					T__						15123180	FDSN	SK	--	BUD	iLoc	HHE	???	_
A001A	1.00	275.0	Pn	06:45:40.572	0.7					T__						15123181	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	1.00	275.0	Sn	06:45:54.789	-0.7					T__						15123182	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORC	1.18	342.4	Pn	06:45:42.679	0.2					T__						15123183	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.18	342.4	Lg	06:45:59.167	1.3					T__						15123184	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.18	342.4	Lg	06:45:58.100	0.3					T__						15123185	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.19	304.2	Lg	06:45:58.400	0.3					T__						15123186	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.19	304.2	Pn	06:45:43.290	0.9					T__						15123187	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.19	304.2	Lg	06:45:58.557	0.4					T__						15123188	FDSN	CZ	--	BUD	iLoc	BHE	???	_
OKC	1.19	1.7	Sn	06:46:00.134	-0.1					T__						15123189	FDSN	CZ	--	BUD	iLoc	BHE	???	_
KRUC	1.19	290.7	Lg	06:45:58.557	-1.0					T__						15123190	FDSN	CZ	--	BUD	iLoc	BHN	???	_
PSZ	1.41	120.7	Pg	06:45:48.073	-0.7					T__						15123191	FDSN	GE	--	BUD	iLoc	BHZ	???	_
RONA	1.53	232.3	Pn	06:45:47.450	0.0					T__		0.7	0.12			15123192	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.53	232.3	Sn	06:46:08.595	-0.1					T__		2.9	0.18			15123193	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.66	244.9	Pn	06:45:48.939	-0.2					T__		1.4	0.26			15123194	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.66	244.9	Sn	06:46:11.128	-0.7					T__		3.5	0.30			15123195	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	1.66	329.5	Pg	06:45:50.800	0.2					T__						15123196	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	1.66	329.5	Lg	06:46:13.700	0.2					T__		6.2	0.40			15123197	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.05	326.5	Lg	06:46:26.800	1.3					T__		4.4	0.50			15123198	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
2018/06/12	08:14:52.86	1.11	0.60	48.5706	20.7765	8.5	4.5	158	0.0S		11	6	146	0.21	1.29	m	kx BUD	15123147	iLoc			224
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude Err Nsta Author OrigID
M 1.2 5 BUD 15123147

Sta	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	245.8	Pg	08:14:57.493	0.2					T__						15123149	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	245.8	Lg	08:14:59.732	-1.0					T__						15123150	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.41	131.5	Pg	08:15:01.641	0.3					T__						15123151	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	131.5	Lg	08:15:07.722	-0.7					T__						15123152	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.56	53.5	Pg	08:15:04.083	0.4					T__						15123153	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	53.5	Lg	08:15:12.099	-0.9					T__						15123154	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	222.4	Pg	08:15:11.768	0.4					T__						15123155	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	222.4	Lg	08:15:24.796	-0.2					T__						15123156	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.23	254.8	Sn	08:15:35.137	0.1					T__						15123157	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.29	267.3	Pn	08:15:17.697	0.3					T__						15123158	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	267.3	Sn	08:15:36.577	-0.2					T__						15123159	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
2018/06/12 12:41:22.84 1.59 1.23 48.8681 20.6103 10.6 6.7 71 0.0S 7 5 163 0.39 1.23 m kx BUD 15123199 iLoc 250
(description : known quarry blast)
(locality : Gretla Slovakia)

Magnitude Err Nsta Author OrigID
M 1.7 2 BUD 15123199

Sta	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	192.2	Pg	12:41:31.022	0.2					T__						15123201	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.39	192.2	Lg	12:41:37.765	0.9					T__						15123202	FDSN	SK	--	BUD	iLoc	EHN	???	_
NIE	0.58	340.6	Lg	12:41:42.371	-0.0					T__						15123203	FDSN	PL	--	BUD	iLoc	BHE	???	_
ABAH	0.71	143.6	Lg	12:41:47.129	-1.5					T__						15123204	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	1.06	206.9	Pn	12:41:44.788	0.4					T__						15123205	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.06	206.9	Lg	12:42:00.183	-0.5					T__						15123206	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.23	253.0	Lg	12:42:03.592	-1.6					T__						15123207	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
2018/06/13 08:21:17.51 1.01 0.89 48.5873 20.7648 6.8 3.6 168 0.0S 17 9 111 0.21 1.62 m kx BUD 15123208 iLoc 166
(description : known quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
M 1.6 6 BUD 15123208

Sta	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	240.8	Pg	08:21:22.472	0.5					T__						15123210	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	240.8	Lg	08:21:24.777	-0.6					T__						15123211	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	240.8	Lg	08:21:26.500	1.1					T__		1.0				15123212	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.43	132.5	Pg	08:21:27.525	1.2					T__						15123213	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	132.5	Lg	08:21:32.644	-1.0					T__						15123214	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.56	55.4	Pg	08:21:29.200	1.0					T__		0.0				15123215	FDSN	IR	--	ISC	iLoc	???	???	_

CRVS	0.56	55.4	Lg	08:21:37.300	-0.2	T__	0.0	---	15123216	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.89	221.3	Pn	08:21:37.000	0.4	T__	0.1	---	15123217	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.89	221.3	Pg	08:21:36.389	0.2	T__		---	15123218	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	221.3	Lg	08:21:49.839	-0.1	T__		---	15123219	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.03	303.8	Pn	08:21:38.260	-0.2	T__		---	15123220	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.23	253.9	Lg	08:22:00.076	0.0	T__		---	15123221	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.27	110.5	Pn	08:21:42.381	0.4	T__		---	15123222	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.27	110.5	Sn	08:21:59.185	-2.2	T__		---	15123223	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.29	266.6	Pg	08:21:43.012	-0.1	T__		---	15123224	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	266.6	Sn	08:22:00.921	-0.3	T__		---	15123225	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	1.62	265.9	Sn	08:22:09.271	-0.3	T__		---	15123226	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
2018/06/13	10:00:55.34	1.19	0.72	48.1393	16.9408	5.0	4.4	125	0.0S		15	11	84	0.12	1.31	m	sx BUD	15123227	iLoc			111
(description : suspected quarry blast)																						
(locality : Hainburg Austria)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15123227

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.12	62.2	Pg	10:00:57.834	-0.6					T__						15123229	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.12	62.2	Lg	10:00:59.669	-1.1					T__						15123230	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.32	43.7	Pg	10:01:03.339	1.0					T__						15123231	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	43.7	Lg	10:01:07.909	0.2					T__						15123232	FDSN	SK	--	BUD	iLoc	HHN	???	_
A003A	0.39	168.8	Lg	10:01:09.827	0.2					T__						15123233	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A339A	0.57	122.6	Lg	10:01:14.740	-1.1					T__						15123234	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CONA	0.75	254.1	Pg	10:01:10.333	-0.1					T__						15123235	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.75	254.1	Lg	10:01:21.308	-0.3					T__						15123236	FDSN	OE	--	BUD	iLoc	BHN	???	_
EGYH	0.77	159.8	Lg	10:01:23.801	1.3					T__						15123237	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	0.87	33.7	Pg	10:01:13.345	0.5					T__						15123238	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.99	338.8	Pg	10:01:13.795	-0.4					T__						15123239	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.99	338.8	Lg	10:01:28.440	0.1					T__						15123240	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MPLH	1.05	157.1	Sn	10:01:32.664	-0.2					T__						15123241	FDSN	HU	--	BUD	iLoc	BHE	???	_
VRAC	1.19	349.0	Lg	10:01:34.638	0.3					T__						15123242	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.31	227.6	Lg	10:01:39.519	0.1					T__						15123243	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
2018/06/14	09:03:49.56	1.05	1.11	48.8668	20.4412	4.8	4.2	123	0.0S		15	9	91	0.56	1.42	m	kx BUD	15123244	iLoc			114
(locality : Gretla Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	6	BUD	15123244

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
NIE	0.56	351.4	Lg	09:04:09.095	0.8					T__						15123246	FDSN	PL	--	BUD	iLoc	BHE	???	_
CRVS	0.67	86.6	Lg	09:04:13.004	-0.4					T__						15123247	FDSN	SK	--	BUD	iLoc	HHE	???	_

STHS	0.76	43.5	Pg	09:04:03.526	-0.1	T__	---	15123248	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.76	43.5	Lg	09:04:13.810	-1.3	T__	---	15123249	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.78	136.8	Pg	09:04:05.590	0.6	T__	---	15123250	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.78	136.8	Lg	09:04:18.792	1.0	T__	---	15123251	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	1.02	201.2	Pg	09:04:10.653	-0.2	T__	---	15123252	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.02	201.2	Lg	09:04:25.363	-0.4	T__	---	15123253	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.13	251.3	Pg	09:04:12.759	0.7	T__	---	15123254	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.13	251.3	Sn	09:04:28.292	-0.9	T__	---	15123255	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.15	237.1	Lg	09:04:27.489	-1.5	T__	---	15123256	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KOLS	1.21	86.2	Pn	09:04:14.165	0.8	T__	---	15123257	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.21	86.2	Lg	09:04:29.729	-2.1	T__	---	15123258	FDSN	SK	--	BUD	iLoc	HHE	???	_
OJC	1.42	343.1	Pg	09:04:18.289	0.7	T__	---	15123259	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.42	343.1	Lg	09:04:36.477	-1.0	T__	---	15123260	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
2018/06/14	09:27:23.82	1.42	0.78	47.8311	19.1713	7.4	4.9	176	0.0S		11	7	160	0.10	1.44	m	kx BUD	15123261	iLoc			255
2018/06/14	09:27:24.20f		0.89	47.8355	19.1270f				0.0S		11		158	0.07	1.41	m	kx BUD_GT	15137004	BUD			250
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Sejce-Vác Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4	4	BUD	15137004

Sta	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	09:27:26.297	0.1					T__						15138018	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.07	277.6	Lg	09:27:28.770	1.0					T__						15138019	FDSN	Z3	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Pg	09:27:32.965	0.4					T__						15138020	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.41	347.9	Lg	09:27:38.230	-0.6					T__						15138021	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	09:27:34.770	-0.8					T__						15138022	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.52	80.6	Lg	09:27:42.302	-1.8					T__						15138023	FDSN	GE	--	BUD	BUD	BHN	???	_
A338A	0.55	289.3	Lg	09:27:43.847	0.0					T__						15138024	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	0.69	343.6	Pg	09:27:38.129	0.0					T__						15138025	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.69	343.6	Lg	09:27:47.035	-1.3					T__						15138026	FDSN	SK	--	BUD	BUD	HHN	???	_
MPLH	1.27	238.8	Lg	09:28:07.646	-0.4					T__						15138027	FDSN	HU	--	BUD	BUD	BHE	???	_
JAVC	1.41	317.1	Lg	09:28:11.810	-1.1					T__						15138028	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
2018/06/14	11:01:44.08	1.34	0.65	48.1840	19.7841	9.6	7.9	53	0.0S		5	3	132	0.28	0.70	m	kx BUD	15123274	iLoc			252
(locality : Siatorska-Bukovinka Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.1	0.4	2 BUD	15123274

Sta	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	0.28	164.4	Pg	11:01:50.885	0.5					T__	10.7	21.1			MLv	1.4	15123276	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.28	164.4	Lg	11:01:55.160	-0.1					T__							15123277	FDSN	GE	--	BUD	iLoc	BHN	???	_

KECS	0.56	57.1	Lg	11:02:04.015	0.3	T__									15123278	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	0.70	296.5	Pn	11:01:59.587	-0.7	T__	1.6	0.8	---	MLv	0.8	15123279	FDSN	SK				--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.70	296.5	Lg	11:02:09.053	0.3	T__			---			15123280	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
2018/06/14	11:09:34.20	0.17	0.26	46.8829	22.8372	1.8	1.2	121	6.8F	1.6	12	142	0.13	1.51	a	ke	BUC	15106716	ISC			360
2018/06/14	11:09:33.49	1.09	0.71	46.8852	22.8215	6.1	3.8	127	0.0S		22	6	145	0.12	1.51	m	sx	BUD	15123289	iLoc		262

(locality : Poieni Romania)

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ml	0.6		BUC	15106716

Sta	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	219.1	Pg	11:09:36.946	0.6					T__						15123291	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.12	219.1	Lg	11:09:39.287	0.4					T__						15123292	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.12	219.0	Pg	11:09:37.051	0.7					T__						15123293	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.12	219.0	Pg	11:09:37.051	0.7					T__						15123294	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.28	18.2	Pg	11:09:39.979	0.6					T__						15123295	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.28	18.2	Pg	11:09:39.979	0.6					T__						15123296	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.28	18.2	Lg	11:09:43.385	-1.0					T__						15123297	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	135.6	Pg	11:09:39.783	0.1					T__						15123298	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	135.6	Pg	11:09:39.783	0.1					T__						15123299	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	135.6	Lg	11:09:44.058	-0.7					T__						15123300	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.01	232.6	Pn	11:09:54.249	0.1					T__						15123301	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.01	232.6	Lg	11:10:08.804	-0.7					T__						15123302	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.01	232.8	Pg	11:09:53.866	-0.2					T__						15123303	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.01	232.8	Pg	11:09:53.866	-0.2					T__						15123304	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.01	232.8	Lg	11:10:07.768	-1.7					T__						15123305	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	203.4	Pg	11:09:58.073	0.7					T__						15123306	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	203.4	Pg	11:09:58.073	0.7					T__						15123307	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.23	203.4	Lg	11:10:14.428	-0.6					T__						15123308	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.51	213.3	Pg	11:10:02.086	-0.7					T__						15123309	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.51	213.3	Sn	11:10:22.951	0.4					T__						15123310	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.52	213.8	Pn	11:10:01.446	0.3					T__						15123311	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.52	213.8	Pn	11:10:01.446	0.3					T__						15123312	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
2018/06/15	06:05:22.68	0.99	0.93	48.6733	18.6619	5.5	3.6	51	0.0S		18	12	70	0.19	1.33	m	kx	BUD	15123313	iLoc		114

(locality : Mala-Lehota Slovakia)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15123313

Sta	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	315.2	Pg	06:05:26.545	0.0					T__						15123315	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.19	315.2	Lg	06:05:29.650	0.3					T__						15123316	FDSN	Z3	00	BUD	iLoc	HHE	???	_

VYHS	0.21	147.1	Pg	06:05:27.681	0.5	T__	---	15123317	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.21	147.1	Lg	06:05:31.040	0.6	T__	---	15123318	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.31	223.8	Pg	06:05:29.133	-0.0	T__	---	15123319	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.31	223.8	Lg	06:05:34.475	0.5	T__	---	15123320	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.49	152.9	Lg	06:05:41.027	1.0	T__	---	15123321	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A331A	0.56	328.8	Lg	06:05:44.269	2.5	T__	---	15123322	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.68	286.2	Pg	06:05:36.541	0.0	T__	---	15123323	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.68	286.2	Lg	06:05:46.358	-0.3	T__	---	15123324	FDSN	CZ	--	BUD	iLoc	BHN	???	_
LANS	0.71	47.8	Lg	06:05:46.969	-0.3	T__	---	15123325	FDSN	SK	--	BUD	iLoc	EHN	???	_
MODS	0.97	252.4	Lg	06:05:56.486	0.2	T__	---	15123326	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.12	132.1	Pn	06:05:45.035	0.2	T__	---	15123327	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.12	132.1	Sn	06:06:00.353	-1.8	T__	---	15123328	FDSN	GE	--	BUD	iLoc	BHE	???	_
OKC	1.21	344.1	Sn	06:06:03.716	-0.4	T__	---	15123329	FDSN	CZ	--	BUD	iLoc	BHN	???	_
KECS	1.23	98.2	Sn	06:06:03.916	-0.7	T__	---	15123330	FDSN	SK	--	BUD	iLoc	EHE	???	_
MORC	1.33	326.8	Pg	06:05:47.732	-0.2	T__	---	15123331	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.33	326.8	Sn	06:06:06.358	-0.7	T__	---	15123332	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
2018/06/15	08:46:36.92	1.46	0.36	46.2328	18.2369	7.8	5.2	122	0.0S		6	3	150	0.17	0.29	m	kx BUD	15123333	iLoc			270
2018/06/15	08:46:36.84f		1.02	46.1765	18.2926f				0.0S		6		155	0.16	0.35	m	kx BUD_GT	15137007	BUD			276

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.6	3 BUD	15123333
ML	1.3	0.6	3 BUD	15137007

Sta	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	08:46:41.234	0.6					T__		30.9		---	MLv	15138029	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	08:46:43.925	0.1					T__				---		15138030	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.25	80.7	Pg	08:46:43.355	1.0					T__		3.8		---	MLv	15138031	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:46:47.631	0.9					T__				---		15138032	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Pg	08:46:43.341	-1.1					T__		36.9		---	MLv	15138033	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.35	356.8	Lg	08:46:48.602	-1.7					T__				---		15138034	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	
2018/06/15	08:59:01.75	1.19	0.68	48.3690	17.3869	6.7	4.4	116	0.0S		14	9	100	0.07	1.11	m	kx BUD	15123354	iLoc				161

(locality : Rohoznik Slovakia)
(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.9		6 BUD	15123354

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.07	273.2	Pg	08:59:03.368	-0.5					T__				---		15123356	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.07	273.2	Lg	08:59:05.064	-0.6					T__				---		15123357	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.26	227.8	Pg	08:59:07.218	-0.2					T__				---		15123358	FDSN	SK	--	BUD	iLoc	HHZ	???	_

ZST	0.26	227.8	Lg	08:59:10.723	-0.9	T__	---	15123359	FDSN	SK	--	BUD	iLoc	HHE	???	_
A333A	0.39	331.7	Pg	08:59:10.031	0.2	T__	---	15123360	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.53	20.9	Pg	08:59:11.579	-1.0	T__	---	15123361	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.53	20.9	Lg	08:59:19.643	-1.0	T__	---	15123362	FDSN	CZ	--	BUD	iLoc	BHN	???	_
EGYH	0.95	182.3	Pg	08:59:20.725	-0.2	T__	---	15123363	FDSN	HU	--	BUD	iLoc	HHZ	???	_
KRUC	0.96	316.9	Pg	08:59:19.763	-0.1	T__	---	15123364	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.96	316.9	Lg	08:59:33.505	0.1	T__	---	15123365	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VVHS	0.97	82.1	Pn	08:59:22.953	1.1	T__	---	15123366	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VRAC	1.08	331.2	Pg	08:59:21.898	-0.1	T__	---	15123367	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CONA	1.11	247.2	Pg	08:59:23.574	-0.2	T__	---	15123368	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.11	247.2	Lg	08:59:39.823	-0.3	T__	---	15123369	FDSN	OE	--	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
2018/06/15	11:05:17.84	1.07	0.90	48.5397	19.3316	8.0	3.6	5	0.0S		16	8	166	0.33	1.29	m	kx	BUD	15123370	iLoc		191
(description : known quarry blast)																						
(locality : Viglas Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	7	BUD	15123370

Sta	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	0.33	262.3	Pg	11:05:25.054	0.4					T__						15123372	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VVHS	0.33	262.3	Lg	11:05:29.347	-0.4					T__						15123373	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.38	216.0	Lg	11:05:31.693	0.4					T__						15123374	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.67	262.4	Pg	11:05:31.500	0.2					T__						15123375	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.67	262.4	Lg	11:05:40.115	-1.1					T__						15123376	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.73	148.6	Pn	11:05:34.264	-0.3					T__						15123377	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.73	148.6	Lg	11:05:43.508	-1.2					T__						15123378	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.77	93.8	Pg	11:05:33.640	0.5					T__						15123379	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.77	93.8	Lg	11:05:44.512	-0.2					T__						15123380	FDSN	SK	--	BUD	iLoc	EHN	???	_
A269A	1.10	215.6	Pg	11:05:40.832	1.0					T__						15123381	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	1.15	286.8	Pg	11:05:41.465	0.8					T__						15123382	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.15	286.8	Sn	11:05:57.322	-0.4					T__						15123383	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.15	286.8	Pg	11:05:42.100	1.5					T__						15123384	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.15	286.8	Lg	11:05:56.600	-0.6					T__						15123385	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.29	100.1	Pg	11:05:44.304	1.2					T__						15123386	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.29	100.1	Lg	11:06:02.896	-1.1					T__						15123387	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/06/15	13:08:59.69	0.16	0.45	48.5502	17.4012	1.4	1.0	145	0.0F	0.0	13	3		1.13	1.20	a	sx	VIE	15106755	ISC		360
2018/06/15	13:08:59.37	0.95	0.95	48.5655	17.4318	5.2	3.4	135	0.0S		22	10	107	0.17	1.23	m	kx	BUD	15123388	iLoc		120
(locality : Jablonica Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15106755
ml	1.5		VIE	15106755
M	1.6	7	BUD	15123388

Sta	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	0.17	76.3	Pg	13:09:03.215	0.1					T__						15123390	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.22	208.2	Pg	13:09:04.992	0.7					T__						15123391	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.22	208.2	Lg	13:09:09.695	1.6					T__						15123392	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.33	28.2	Pg	13:09:06.354	-0.1					T__						15123393	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.33	28.2	Lg	13:09:11.864	0.0					T__						15123394	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.33	28.2	Pg	13:09:05.900	-0.6					T__						15123395	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.33	28.2	Lg	13:09:11.700	-0.1					T__						15123396	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.61	100.8	Pg	13:09:11.936	0.2					T__						15123397	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.61	100.8	Lg	13:09:21.051	0.2					T__						15123398	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	0.85	306.3	Sn	13:09:31.163	-0.5					T__						15123399	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	0.93	323.7	Pn	13:09:19.288	0.5					T__						15123400	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	0.93	323.7	Lg	13:09:29.349	-0.3					T__						15123401	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	0.94	93.9	Pg	13:09:18.645	0.5					T__						15123402	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.94	93.9	Lg	13:09:31.767	-0.1					T__						15123403	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	1.15	221.7	Pn	13:09:20.962	-1.1					T__		0.8	0.16			15123404	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.15	221.7	Lg	13:09:37.664	-1.3					T__		4.0	0.40			15123405	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.21	3.4	Pn	13:09:24.025	1.1					T__						15123406	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.21	3.4	Sn	13:09:41.580	0.6					T__						15123407	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CONA	1.23	239.3	Pg	13:09:24.531	0.8					T__						15123408	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.23	239.3	Lg	13:09:42.503	1.2					T__						15123409	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.23	239.3	Pn	13:09:22.566	-0.6					T__		0.6	0.14			15123410	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.23	239.3	Sn	13:09:39.068	-2.4					T__		5.4	0.36			15123411	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
2018/06/15	17:30:44.40	0.06	0.14	47.9447	16.4247	0.5	0.3	274	11.2F	0.8	18		157	0.28	1.37	a	ke IPEC	15106781	ISC			360
2018/06/15	17:30:45.60			48.0100	16.3100				1.0A		12					a	ke PRU	15106779	ISC			360
2018/06/15	17:30:44.32	0.33	1.39	47.9463	16.4023	1.3	1.1	83	11.3F	3.5	28		3	0.26	1.87	a	ke VIE	15106775	ISC			360
2018/06/15	17:30:44.09	1.05	0.91	47.9480	16.4050	3.3	2.8	125	8.2F	6.2	49	25	51	0.26	2.41	m	ke BUD	15123412	iLoc			68

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		IPEC	15106781
mb	0.8		VIE	15106775
ml	1.8		VIE	15106775
M	1.9	9	BUD	15123412

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.26	196.5	Pg	17:30:49.552	-0.1					T__		12.8	0.08			15123414	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.26	196.5	Lg	17:30:53.127	-0.8					T__		15.1	0.08			15123415	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.28	158.6	Pg	17:30:50.155	0.1					T__						15123416	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.28	158.6	Lg	17:30:53.899	-0.6					T__						15123417	FDSN	HU	--	BUD	iLoc	BHN	???	_
CONA	0.37	267.1	Pg	17:30:51.920	0.2					T__						15123418	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.37	267.1	Lg	17:30:57.763	0.3					T__						15123419	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.37	267.1	Lg	17:30:57.645	0.2					T__		2.5	0.06			15123420	FDSN	IR	--	ISC	iLoc	???	???	_
A005B	0.44	342.6	Lg	17:31:00.600	1.2					T__						15123421	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A003A	0.48	113.2	Pg	17:30:54.334	0.5					T__						15123422	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
ZST	0.53	61.8	Pg	17:30:54.586	-0.3					T__						15123423	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A011B	0.62	209.4	Pg	17:30:56.822	0.4					T__						15123424	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.62	209.4	Lg	17:31:04.909	-0.6					T__						15123425	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A012A	0.65	238.4	Pg	17:30:57.095	-0.1					T__						15123426	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A012A	0.65	238.4	Lg	17:31:05.771	-1.2	T__									15123427	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A013A	0.68	280.2	Pg	17:30:57.525	0.1	T__									15123428	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.68	280.2	Lg	17:31:06.942	-0.3	T__									15123429	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MODS	0.72	53.6	Pg	17:30:58.088	-0.5	T__									15123430	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.72	53.6	Lg	17:31:09.084	0.1	T__									15123431	FDSN	SK	--	BUD	iLoc	HHE	???	_
A001A	0.79	8.9	Pn	17:31:00.604	0.1	T__									15123432	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.79	8.9	Lg	17:31:11.460	0.8	T__									15123433	FDSN	Z3	00	BUD	iLoc	HH3	???	_
EGYH	0.82	130.0	Lg	17:31:11.697	-0.4	T__									15123434	FDSN	HU	--	BUD	iLoc	HHE	???	_
A018A	0.92	257.6	Lg	17:31:14.249	-0.7	T__									15123435	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ARSA	0.92	220.9	Pn	17:31:01.913	-0.3	T__			0.7	0.14	---				15123436	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.92	220.9	Lg	17:31:14.689	-0.1	T__			1.0	0.12	---				15123437	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.92	220.9	Pn	17:31:02.038	-0.1	T__					---				15123438	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.92	220.9	Lg	17:31:14.333	-0.4	T__					---				15123439	FDSN	OE	--	BUD	iLoc	BHE	???	_
MPLH	1.09	134.9	Sn	17:31:19.795	-0.9	T__					---				15123440	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	1.11	359.7	Pn	17:31:04.800	-0.1	T__					---				15123441	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.11	359.7	Pg	17:31:04.900	-0.5	T__					---				15123442	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.11	359.7	Lg	17:31:19.500	-0.9	T__			5.0	0.15	---				15123443	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.11	359.7	Pn	17:31:05.173	0.3	T__					---				15123444	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.11	359.7	Lg	17:31:19.677	-0.7	T__					---				15123445	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.37	5.2	Pn	17:31:08.700	0.2	T__					---				15123446	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.37	5.2	Sn	17:31:26.200	-0.9	T__			4.0	0.24	---				15123447	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.37	5.2	Pn	17:31:08.863	0.4	T__					---				15123448	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.37	5.2	Sn	17:31:26.612	-0.5	T__					---				15123449	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MOA	1.44	266.9	Pn	17:31:10.723	1.2	T__			1.0	0.16	---				15123450	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.44	266.9	Lg	17:31:31.115	-0.5	T__			0.7	0.10	---				15123451	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.48	336.0	Lg	17:31:30.993	-0.8	T__					---				15123452	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.65	302.8	Pg	17:31:14.428	-0.8	T__					---				15123453	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.65	302.8	Sn	17:31:35.598	1.2	T__					---				15123454	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CKRC	1.65	302.8	Pg	17:31:14.300	-1.0	T__					---				15123455	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	1.65	302.8	Sn	17:31:35.300	0.9	T__			3.1	0.20	---				15123456	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.88	263.2	Pg	17:31:19.007	-1.7	T__			0.3	0.10	---				15123457	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.88	263.2	Sn	17:31:42.652	2.2	T__			1.6	0.20	---				15123458	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.98	21.9	Sn	17:31:41.809	-0.6	T__					---				15123459	FDSN	CZ	--	BUD	iLoc	BHE	???	_
KHC	2.22	303.3	Lg	17:31:52.000	-3.1	T__					---				15123460	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.38	329.7	Lg	17:31:58.000	-1.5	T__					---				15123461	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.41	358.7	Lg	17:31:59.800	0.6	T__					---				15123462	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
 2018/06/15 19:17:18.59 0.96 0.90 46.4708 17.0835 4.5 3.4 165 12.0A 26 14 95 0.21 1.16 m ke BUD 15123623 iLoc 113

Magnitude Err Nsta Author OrigID
 M 1.6 7 BUD 15123623

Sta	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	0.21	270.0	Lg	19:17:27.673	0.2					T__						15123625	FDSN	HU	--	BUD	iLoc	BHN	???	_
A263A	0.23	43.1	Pg	19:17:24.334	0.4					T__						15123626	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.23	43.1	Lg	19:17:28.530	0.6					T__						15123627	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A264A	0.34	155.3	Pg	19:17:26.459	0.5					T__						15123628	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.34	155.3	Lg	19:17:32.436	1.0					T__						15123629	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A261A	0.48	5.3	Pg	19:17:28.418	-0.2					T__						15123630	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.49	95.1	Pg	19:17:29.477	0.6					T__						15123631	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A265A	0.49	95.1	Lg	19:17:37.693	1.4	T__	---	15123632	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KALN	0.55	232.3	Pg	19:17:30.690	0.6	T__	---	15123633	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.55	232.3	Lg	19:17:37.750	-0.7	T__	---	15123634	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.58	268.0	Pg	19:17:31.683	1.5	T__	---	15123635	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.58	268.0	Lg	19:17:40.914	2.3	T__	---	15123636	FDSN	SL	--	BUD	iLoc	BHN	???	_
MPLH	0.77	23.9	Pg	19:17:32.728	-1.2	T__	---	15123637	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.77	23.9	Sn	19:17:46.472	-0.1	T__	---	15123638	FDSN	HU	--	BUD	iLoc	BHE	???	_
LOBO	0.77	246.2	Pg	19:17:33.320	-0.6	T__	---	15123639	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.77	246.2	Lg	19:17:44.800	-0.2	T__	---	15123640	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.80	118.1	Pg	19:17:34.280	-0.5	T__	---	15123641	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.80	118.1	Lg	19:17:46.155	-0.1	T__	---	15123642	FDSN	HU	--	BUD	iLoc	BHN	???	_
MOSL	0.89	195.1	Pn	19:17:36.290	-0.1	T__	---	15123643	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.89	195.1	Lg	19:17:48.210	-0.7	T__	---	15123644	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.96	234.4	Pn	19:17:37.190	-0.3	T__	---	15123645	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.96	234.4	Lg	19:17:49.890	-1.7	T__	---	15123646	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.11	102.7	Pn	19:17:38.840	-0.1	T__	---	15123647	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.11	102.7	Sn	19:17:54.088	-0.8	T__	---	15123648	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	1.16	152.5	Pn	19:17:40.347	0.3	T__	---	15123649	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.16	152.5	Sn	19:17:56.405	-0.2	T__	---	15123650	FDSN	Z3	--	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
2018/06/16	07:35:32.80		0.40	45.9350	16.1040				10.0A							a	ke LJU	15106856	ISC			360
2018/06/16	07:35:33.60	0.35	0.64	45.9508	16.0794	2.4	1.4	124	3.0F	0.0	34		3	1.03	2.27	a	ke VIE	15106852	ISC			360
2018/06/16	07:35:32.93	0.86	0.88	45.9067	16.1198	2.6	2.2	139	5.2F	0.6	92	55	29	0.11	3.19	m	ke BUD	15123463	iLoc			39

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		LJU	15106856
mb	1.9		VIE	15106852
m1	2.0		VIE	15106852
M	2.3	14	BUD	15123463

Sta	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	270.4	Pg	07:35:34.984	-0.4					T__						15123465	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.11	270.4	Lg	07:35:36.689	-0.6					T__						15123466	FDSN	CR	--	BUD	iLoc	BHE	???	_
ZAG	0.12	229.4	Lg	07:35:38.700	0.8					T__						15123467	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.12	229.4	Pg	07:35:36.104	0.4					T__						15123468	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.12	229.4	Lg	07:35:38.826	1.0					T__						15123469	FDSN	CR	--	BUD	iLoc	BHE	???	_
LOBO	0.25	351.9	Pg	07:35:37.480	-0.7					T__						15123470	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.25	351.9	Lg	07:35:41.300	-0.9					T__						15123471	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.32	46.1	Pg	07:35:38.920	-0.9					T__						15123472	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.32	46.1	Lg	07:35:43.640	-1.5					T__						15123473	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.35	263.6	Pg	07:35:39.760	-0.1					T__						15123474	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.35	263.6	Lg	07:35:44.480	-0.7					T__						15123475	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.35	263.6	IAML	07:35:45.440	-99.0					---		53.5	0.10			15123476	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.36	286.9	Pg	07:35:39.990	-0.2					T__						15123477	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.36	286.9	Lg	07:35:45.120	-0.7					T__						15123478	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.36	286.9	IAML	07:35:48.090	-99.0					---		29.9	0.10			15123479	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.46	278.5	Pg	07:35:42.350	0.3					T__						15123480	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.46	278.5	Lg	07:35:48.510	-0.6					T__						15123481	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.46	278.5	IAML	07:35:50.410	-99.0					---		67.7	0.14			15123482	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.47	260.4	Pg	07:35:41.930	-0.2					T__						15123483	FDSN	IR	--	ISC	iLoc	???	???	_

CRES	0.47	260.4	Lg	07:35:49.000	-0.4	T__				15123484	FDSN	IR	--	ISC	iLoc	???	???	_		
CRES	0.47	260.4	IAML	07:35:51.040	-99.0	---			80.8	0.18	---	15123485	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.51	298.4	Pg	07:35:42.950	-0.0	T__					---	15123486	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.53	123.2	Pg	07:35:43.540	-0.2	T__					---	15123487	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.54	237.7	Pg	07:35:43.490	0.1	T__					---	15123488	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.54	237.7	Lg	07:35:51.330	-0.2	T__					---	15123489	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.55	9.5	Pg	07:35:43.530	-0.4	T__					---	15123490	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.55	9.5	Lg	07:35:51.120	-0.9	T__					---	15123491	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.55	9.5	IAML	07:35:51.790	-99.0	---			63.2	0.13	---	15123492	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.55	9.5	Pg	07:35:44.153	0.2	T__					---	15123493	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.55	9.5	Lg	07:35:50.888	-1.1	T__					---	15123494	FDSN	SL	--	BUD	iLoc	BHE	???	_
LEGS	0.56	274.6	Pg	07:35:43.760	-0.1	T__					---	15123495	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.56	274.6	Lg	07:35:51.200	-1.2	T__					---	15123496	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.70	322.5	Pg	07:35:46.200	-0.5	T__					---	15123497	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.72	38.7	Pg	07:35:48.623	1.1	T__					---	15123498	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.72	38.7	Lg	07:35:58.267	-0.1	T__					---	15123499	FDSN	HU	--	BUD	iLoc	BHN	???	_
BOJS	0.73	236.8	Pg	07:35:46.980	-0.1	T__					---	15123500	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.73	236.8	IAML	07:36:01.730	-99.0	---			14.1	0.12	---	15123501	FDSN	IR	--	ISC	iLoc	???	???	_
PDKS	0.80	281.6	Pg	07:35:48.120	-0.2	T__					---	15123502	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	0.85	72.3	Pg	07:35:50.358	0.3	T__					---	15123503	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.85	72.3	Lg	07:36:02.675	-0.1	T__					---	15123504	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A021A	0.87	346.6	Pg	07:35:49.669	-0.2	T__					---	15123505	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.87	346.6	Lg	07:36:01.012	-1.0	T__					---	15123506	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VISS	0.90	263.9	Pg	07:35:49.810	-0.4	T__					---	15123507	FDSN	IR	--	ISC	iLoc	???	???	_
VISS	0.90	263.9	IAML	07:36:07.790	-99.0	---			14.2	0.16	---	15123508	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.93	305.1	Pg	07:35:50.550	-0.1	T__					---	15123509	FDSN	IR	--	ISC	iLoc	???	???	_
GBRS	0.99	248.2	Pg	07:35:51.780	-0.2	T__					---	15123510	FDSN	IR	--	ISC	iLoc	???	???	_
GBRS	0.99	248.2	IAML	07:36:10.940	-99.0	---			12.0	0.15	---	15123511	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.08	316.1	Pg	07:35:52.992	-0.6	T__			6.0	0.24	---	15123512	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.08	316.1	Lg	07:36:07.414	-1.4	T__			1.5	0.12	---	15123513	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.09	199.0	Pg	07:35:53.470	-0.7	T__					---	15123514	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.09	199.0	Lg	07:36:07.750	-1.8	T__					---	15123515	FDSN	IR	--	ISC	iLoc	???	???	_
A010A	1.17	358.6	Pg	07:35:55.792	0.1	T__					---	15123516	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	1.17	358.6	Lg	07:36:11.943	-0.2	T__					---	15123517	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A273A	1.18	88.9	Pn	07:35:55.435	-0.0	T__					---	15123518	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	1.18	88.9	Sn	07:36:13.615	0.7	T__					---	15123519	FDSN	Z3	--	BUD	iLoc	HHE	???	_
OBKA	1.25	299.5	Lg	07:36:13.422	-0.9	T__			26.6	0.42	---	15123520	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.25	299.5	Pg	07:35:57.071	0.4	T__					---	15123521	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.25	299.5	Lg	07:36:14.094	-0.2	T__					---	15123522	FDSN	OE	--	BUD	iLoc	BHN	???	_
RIY	1.29	243.7	Pg	07:35:57.330	-0.1	T__					---	15123523	FDSN	IR	--	ISC	iLoc	???	???	_
RIY	1.29	243.7	Lg	07:36:14.870	-0.7	T__					---	15123524	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	1.30	110.6	Pg	07:35:58.441	-0.5	T__					---	15123525	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.30	110.6	Lg	07:36:16.916	0.1	T__					---	15123526	FDSN	Z3	--	BUD	iLoc	BHN	???	_
BLY	1.35	145.8	Pg	07:35:58.987	-0.2	T__					---	15123527	FDSN	MN	--	BUD	iLoc	BHZ	???	_
KOVH	1.39	81.8	Pg	07:35:59.793	-0.7	T__					---	15123528	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.39	81.8	Sn	07:36:18.478	0.5	T__					---	15123529	FDSN	HU	--	BUD	iLoc	BHZ	???	_
UDBI	1.40	190.5	Pg	07:36:00.190	-0.4	T__					---	15123530	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.41	343.2	Pg	07:35:59.572	-0.7	T__					---	15123531	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.41	343.2	Pn	07:35:59.336	0.9	T__			3.4	0.22	---	15123532	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.41	343.2	Sn	07:36:17.984	-0.1	T__			3.7	0.18	---	15123533	FDSN	IR	--	ISC	iLoc	???	???	_
RABC	1.49	219.7	Pn	07:35:59.460	-0.6	T__					---	15123534	FDSN	IR	--	ISC	iLoc	???	???	_
A011B	1.51	355.8	Pg	07:36:01.464	-1.1	T__					---	15123535	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	1.51	355.8	Sn	07:36:20.851	0.0	T__					---	15123536	FDSN	Z3	00	BUD	iLoc	HH2	???	_

NVLJ	1.61	213.7	Pg	07:36:02.980	-1.7	T__								15123537	FDSN	IR	--	ISC	iLoc	???	???	_
SMRN	1.63	238.5	Pg	07:36:03.520	-0.6	T__								15123538	FDSN	IR	--	ISC	iLoc	???	???	_
A019A	1.70	335.6	Pg	07:36:05.290	-0.6	T__								15123539	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	1.70	335.6	Sn	07:36:27.309	1.6	T__								15123540	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A012A	1.74	348.0	Pg	07:36:05.978	-0.9	T__								15123541	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	1.74	348.0	Sn	07:36:28.142	1.2	T__								15123542	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VIRC	1.78	205.4	Pn	07:36:05.300	0.9	T__								15123543	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.78	79.1	Pg	07:36:07.079	-0.8	T__								15123544	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.78	79.1	Sn	07:36:29.980	2.6	T__								15123545	FDSN	HU	--	BUD	iLoc	BHN	???	_
RONA	1.80	3.8	Pn	07:36:05.097	1.0	T__		2.4	0.14					15123546	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.80	3.8	Lg	07:36:31.030	-1.8	T__		6.0	0.36					15123547	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	1.87	293.7	Pg	07:36:06.271	-2.1	T__		0.8	0.18					15123548	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	1.87	293.7	Lg	07:36:34.579	1.1	T__		0.9	0.18					15123549	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	1.91	173.8	Pn	07:36:06.700	0.4	T__								15123550	FDSN	IR	--	ISC	iLoc	???	???	_
BRJN	1.95	239.9	Pg	07:36:08.430	-2.0	T__								15123551	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.03	355.1	Pn	07:36:08.038	0.7	T__								15123552	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	2.03	355.1	Sn	07:36:34.967	0.9	T__								15123553	FDSN	OE	--	BUD	iLoc	BHN	???	_
DUGI	2.06	201.9	Pn	07:36:08.960	0.4	T__								15123554	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.06	188.3	Pn	07:36:09.290	0.8	T__								15123555	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.25	302.4	Pn	07:36:11.884	1.2	T__		0.2	0.08					15123556	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.25	302.4	Lg	07:36:44.741	-1.7	T__		1.2	0.30					15123557	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.28	188.7	Pn	07:36:11.880	0.2	T__								15123558	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.32	327.5	Pn	07:36:12.898	1.6	T__		0.7	0.14					15123559	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.32	327.5	Sn	07:36:41.338	0.4	T__		1.1	0.24					15123560	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	2.52	163.0	Pn	07:36:15.140	0.2	T__								15123561	FDSN	IR	--	ISC	iLoc	???	???	_
MAKA	2.70	165.9	Pn	07:36:18.060	0.5	T__								15123562	FDSN	IR	--	ISC	iLoc	???	???	_
HVAR	2.74	175.0	Pn	07:36:17.890	-0.5	T__								15123563	FDSN	IR	--	ISC	iLoc	???	???	_
LSTV	3.19	169.7	Pn	07:36:24.240	-0.6	T__								15123564	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
 2018/06/18 08:45:09.24 1.07 0.78 48.5681 20.7480 6.5 3.9 150 0.0S 13 7 113 0.19 1.27 m kx BUD 15123565 iLoc 152
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.8 5 BUD 15123565

Sta	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	244.1	Pg	08:45:13.805	0.5					T__						15123567	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	244.1	Lg	08:45:17.815	1.3					T__						15123568	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.43	129.6	Pg	08:45:18.862	0.9					T__						15123569	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	129.6	Lg	08:45:24.316	-0.9					T__						15123570	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.58	54.4	Pg	08:45:20.900	0.6					T__		0.0				15123571	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	54.4	Lg	08:45:29.200	-0.7					T__		0.0				15123572	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.87	221.6	Pn	08:45:27.833	-0.1					T__						15123573	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	221.6	Lg	08:45:40.420	-0.5					T__						15123574	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.91	20.8	Pg	08:45:26.885	0.8					T__						15123575	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.91	20.8	Lg	08:45:39.577	-0.2					T__						15123576	FDSN	SK	--	BUD	iLoc	EHN	???	_
KOLS	1.07	69.5	Lg	08:45:46.836	-0.1					T__						15123577	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.27	267.4	Pg	08:45:34.466	-0.1					T__						15123578	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	267.4	Sn	08:45:51.881	-0.8					T__						15123579	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
2018/06/18	10:01:12.82	0.36	0.84	48.1270	16.8622	3.0	2.2	117	0.0F	0.0	18	2		0.57	1.26	a	kx VIE	15107018	ISC			360
2018/06/18	10:01:12.46	0.94	0.94	48.1527	16.8814	6.0	3.2	137	0.0S		23	11	88	0.15	1.68	m	kx BUD	15123580	iLoc			146

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15107018
ml	1.6		VIE	15107018

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZST	0.15	73.5	Pg	10:01:16.051	-0.1					T__						15123582	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.15	73.5	Lg	10:01:18.042	-1.0					T__						15123583	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.34	50.0	Pg	10:01:19.686	-0.2					T__						15123584	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.34	50.0	Lg	10:01:24.430	-1.0					T__						15123585	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.60	221.2	Pg	10:01:23.565	-1.0					T__		0.7	0.10			15123586	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.60	221.2	Lg	10:01:33.096	-0.5					T__		7.6	0.36			15123587	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.72	252.2	Lg	10:01:38.642	1.1					T__						15123588	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.72	252.2	Lg	10:01:34.841	-2.7					T__		7.5	0.56			15123589	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.88	36.3	Pn	10:01:32.900	1.4					T__						15123590	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.97	340.7	Pn	10:01:32.300	-0.0					T__						15123591	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.97	340.7	Pn	10:01:33.085	0.7					T__						15123592	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.97	340.7	Sn	10:01:47.038	-0.7					T__						15123593	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MPLH	1.08	155.4	Lg	10:01:49.565	-0.3					T__						15123594	FDSN	HU	--	BUD	iLoc	BHN	???	_
VRAC	1.17	350.7	Pn	10:01:35.600	0.4					T__						15123595	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.17	350.7	Lg	10:01:50.900	0.1					T__						15123596	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.17	350.7	Sn	10:01:52.612	-0.1					T__						15123597	FDSN	CZ	--	BUD	iLoc	BHN	???	_
ARSA	1.29	226.0	Pn	10:01:37.208	0.4					T__		1.3	0.38			15123598	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.29	226.0	Sn	10:01:55.023	-0.6					T__		3.3	0.50			15123599	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.29	226.0	Pg	10:01:38.694	1.2					T__						15123600	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.29	226.0	Lg	10:01:56.628	0.7					T__						15123601	FDSN	OE	--	BUD	iLoc	BHN	???	_
VYHS	1.35	74.6	Pg	10:01:39.144	-0.2					T__						15123602	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.35	74.6	Sn	10:01:57.217	0.1					T__						15123603	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORC	1.68	14.8	Lg	10:02:07.915	0.1					T__						15123604	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	
2018/06/18	10:03:29.54	1.21	0.44	47.5415	18.4894	8.9	5.3	98	0.0S		8	5	107	0.12	1.33	m	kx BUD	15123605	iLoc				161
2018/06/18	10:03:30.07f		0.62	47.5600	18.4573f				0.0S		8		113	0.09	1.35	m	kx BUD_GT	15137010	BUD				160

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

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15137010

Sta	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	10:03:32.542	0.1					T__						15138035	FDSN	Z3	00	BUD	BUD	HHZ	???	_

A269A	0.09	327.2	Lg	10:03:34.170	-0.3	T__	---	15138036	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Pg	10:03:35.089	-0.3	T__	---	15138037	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	10:03:38.759	-0.7	T__	---	15138038	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	0.97	15.1	Pn	10:03:49.769	-0.2	T__	---	15138039	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Lg	10:04:04.171	0.2	T__	---	15138040	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Lg	10:04:05.972	-1.4	T__	---	15138041	FDSN	GE	--	BUD	BUD	BHE	???	_
MORH	1.35	174.5	Pn	10:03:55.793	0.6	T__	---	15138042	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
 2018/06/19 09:35:56.50 2.01 0.87 46.9641 22.8128 16.5 9.3 142 0.0S 6 4 197 0.19 1.76 m sx BUD 15123615 iLoc 287
 (locality : Poieni Romania)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID

Sta	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	0.19	202.1	Pg	09:36:01.305	0.7					T__						15123617	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.19	202.1	Lg	09:36:03.721	-0.4					T__						15123618	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.06	229.0	Pg	09:36:18.607	0.6					T__						15123619	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.06	229.0	Sn	09:36:33.773	-1.0					T__						15123620	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.66	156.0	Sn	09:36:49.956	-0.3					T__						15123621	FDSN	RO	--	BUD	iLoc	BHE	???	_
BURAR	1.76	66.4	Sn	09:36:52.809	-0.5					T__						15123622	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
 2018/06/20 06:45:40.29 1.20 0.72 48.4018 17.3020 8.2 4.2 128 0.0S 9 7 125 0.03 1.07 m kx BUD 15123651 iLoc 160
 (description : known quarry blast)
 (locality : Rohoznik Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.0 3 BUD 15123651

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
MODS	0.03	210.0	Pg	06:45:42.281	0.7					T__						15123653	FDSN	SK	--	BUD	iLoc	HHZ	???	_			
MODS	0.03	210.0	Lg	06:45:42.593	-0.3					T__						15123654	FDSN	SK	--	BUD	iLoc	HHN	???	_			
A334A	0.32	50.6	Pg	06:45:47.700	0.7					T__	2.0	17.9			MLv 1.4	15123655	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
				(Station ML : 1.4 1																							
JAVC	0.52	28.0	Pg	06:45:51.178	0.2					T__	1.8	6.8			MLv 1.6	15123656	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_			
JAVC	0.52	28.0	Lg	06:45:58.380	-0.6					T__						15123657	FDSN	CZ	--	BUD	iLoc	BHN	???	_			
				(Station ML : 1.6 1																							
KRUC	0.89	318.1	Lg	06:46:10.463	0.5					T__						15123658	FDSN	CZ	--	BUD	iLoc	BHN	???	_			
VRAC	1.02	333.0	Pn	06:46:00.752	-0.2					T__	1.9	3.4			MLv 1.6	15123659	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_			
				(Station ML : 1.6 1																							
VYHS	1.03	84.3	Lg	06:46:15.483	-0.4					T__						15123660	FDSN	SK	--	BUD	iLoc	HHN	???	_			
CONA	1.07	244.4	Lg	06:46:16.280	-1.2					T__						15123661	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

2018/06/20 08:05:15.87 1.04 0.79 48.5971 20.7634 6.9 3.8 163 0.0S 15 8 114 0.22 1.28 m kx BUD 15123675 iLoc 150
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 5 BUD 15123675

Sta	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	238.4	Pg	08:05:20.992	0.6					T__						15123677	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	238.4	Lg	08:05:24.001	0.1					T__						15123678	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.22	238.4	Lg	08:05:25.500	1.6					T__		0.6				15123679	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.44	133.3	Pg	08:05:25.183	0.4					T__						15123680	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.44	133.3	Lg	08:05:32.340	0.1					T__						15123681	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.55	56.3	Pg	08:05:27.500	1.0					T__		0.0				15123682	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.55	56.3	Lg	08:05:35.700	0.0					T__		0.0				15123683	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.88	20.9	Pn	08:05:34.400	-0.5					T__		0.1				15123684	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.89	220.9	Pn	08:05:34.533	-0.5					T__						15123685	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	220.9	Lg	08:05:48.135	-0.4					T__						15123686	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.23	253.5	Lg	08:05:58.843	0.4					T__						15123687	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.27	110.9	Pn	08:05:40.740	0.3					T__						15123688	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.27	110.9	Sn	08:05:58.553	-1.3					T__						15123689	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.28	266.1	Pg	08:05:41.804	0.3					T__						15123690	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.1	Lg	08:05:59.570	-0.7					T__						15123691	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
 2018/06/20 08:24:28.25 2.12 0.75 45.6160 17.4653 14.5 7.4 96 6.6F 15.0 9 5 123 0.32 1.42 m ke BUD 15123692 iLoc 209

Magnitude Err Nsta Author OrigID
 M 1.3 4 BUD 15123692

Sta	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	0.32	123.7	Pg	08:24:35.041	-0.0					T__						15123694	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.32	123.7	Lg	08:24:39.536	-0.7					T__						15123695	FDSN	Z3	--	BUD	iLoc	BHE	???	_
KOVH	0.65	43.0	Pg	08:24:41.783	0.4					T__						15123696	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.65	43.0	Sn	08:24:53.872	-0.7					T__						15123697	FDSN	HU	--	BUD	iLoc	BHN	???	_
BLY	0.85	193.7	Pn	08:24:46.723	0.8					T__						15123698	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.85	193.7	Sn	08:24:59.651	0.0					T__						15123699	FDSN	MN	--	BUD	iLoc	BHN	???	_
MORH	1.02	53.5	Pg	08:24:48.417	-0.0					T__						15123700	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.02	53.5	Lg	08:25:03.063	-0.0					T__						15123701	FDSN	HU	--	BUD	iLoc	BHN	???	_
CRES	1.42	279.2	Sn	08:25:12.946	-1.0					T__						15123702	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
 2018/06/20 10:45:24.75 0.28 0.47 46.1035 21.6943 3.2 1.7 103 9.3F 2.6 14 167 0.16 1.32 a ke BUC 15107057 ISC 360
 2018/06/20 10:45:24.40 1.10 0.85 46.1184 21.6714 9.7 3.6 100 9.4F 7.6 25 7 175 0.15 1.34 m ke BUD 15123703 iLoc 223

Magnitude Err Nsta Author OrigID
 ml 1.6 BUC 15107057
 ML 1.4 0.2 3 BUD 15123703

Sta	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	357.7	Pg	10:45:28.026	-0.1					T__	34.0	39.3		---	MLv	1.3	15123705	FDSN	RO	--	BUD	iLoc	BHN	BHZ	_
SIRR	0.15	357.7	Lg	10:45:30.496	-0.5					T__				---			15123706	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.15	356.9	Lg	10:45:31.310	0.3					T__		0.5		---			15123707	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1																									
SURR	0.48	138.9	Pg	10:45:33.805	-0.2					T__				---			15123708	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.48	138.9	Pg	10:45:33.805	-0.2					T__				---			15123709	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.48	138.9	Lg	10:45:40.874	-0.2					T__				---			15123710	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.50	182.5	Pg	10:45:34.416	0.0					T__	3.2	5.4		---	MLv	1.4	15123711	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.50	182.5	Lg	10:45:41.287	-0.5					T__				---			15123712	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.50	184.4	Pg	10:45:34.176	-0.3					T__				---			15123713	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.50	184.4	Pg	10:45:34.176	-0.3					T__				---			15123714	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.50	184.4	Lg	10:45:40.465	-1.5					T__				---			15123715	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.4 1																									
DRGR	0.98	46.5	Pg	10:45:44.398	0.3					T__				---			15123717	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	46.5	Pg	10:45:44.398	0.3					T__				---			15123716	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.98	46.5	Sn	10:45:57.132	-1.5					T__				---			15123718	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.99	46.5	Pn	10:45:44.287	0.8					T__	2.9	8.0		---	MLv	1.9	15123719	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.99	46.5	Sn	10:45:56.653	-2.0					T__				---			15123720	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 1.9 1																									
MARR	1.15	60.4	Pn	10:45:46.751	0.8					T__				---			15123721	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.15	60.4	Pn	10:45:46.751	0.8					T__				---			15123722	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.15	60.4	Sn	10:46:02.030	-0.9					T__				---			15123723	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	178.7	Pg	10:45:50.285	-0.2					T__				---			15123724	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	178.7	Pg	10:45:50.285	-0.2					T__				---			15123725	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	178.7	Sn	10:46:07.748	0.7					T__				---			15123726	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.34	156.8	Pn	10:45:48.833	0.7					T__				---			15123727	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.34	156.8	Pn	10:45:48.833	0.7					T__				---			15123728	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.34	156.8	Sn	10:46:08.184	1.3					T__				---			15123729	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
2018/06/21	07:36:26.06	0.11	0.30	46.0346	22.8381	1.0	0.8	111	9.6F	1.2	25	72	0.15	1.66	a	ke	BUC	15107101	ISC			360
2018/06/21	07:36:25.36	1.01	0.74	46.0522	22.8570	3.3	3.1	99	11.9F	8.9	42	12	73	0.17	1.65	m	ke	BUD	15123744	iLoc		108

Magnitude	Err	Nsta	Author	OrigID
ml	1.4		BUC	15107101
M	1.6	5	BUD	15123744

Sta	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	170.2	Pg	07:36:28.871	-0.3					T__				---			15123746	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.17	170.2	Lg	07:36:31.848	-0.2					T__				---			15123747	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.17	169.2	Lg	07:36:32.042	-0.2					T__		0.4		---			15123748	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	240.0	Pg	07:36:37.393	0.3					T__				---			15123749	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	240.0	Pg	07:36:37.393	0.3					T__				---			15123750	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	240.0	Lg	07:36:44.927	-0.7					T__				---			15123751	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	16.1	Pg	07:36:39.063	0.5					T__				---			15123752	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	16.1	Pg	07:36:39.063	0.5					T__				---			15123753	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	16.1	Lg	07:36:48.438	-0.6					T__				---			15123754	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.9	Pg	07:36:38.384	0.1					T__				---			15123755	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.66	184.9	Pg	07:36:44.100	5.8					T__				---			15123756	FDSN	IR	--	ISC	iLoc	???	???	_

GZR	0.66	184.9	Lg	07:36:47.578	-0.3	T__	0.1	---	15123757	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	0.66	184.9	Lg	07:36:47.773	-0.1	T__		---	15123758	FDSN	RO	--	BUD	iLoc	BHE	???	-
DRGR	0.75	352.3	Pn	07:36:51.300	10.2	---	5.2	0.41	15123759	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	0.75	352.3	Lg	07:36:51.602	-0.8	T__		---	15123760	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	0.75	352.3	Pg	07:36:40.873	0.5	T__		---	15123761	FDSN	RO	--	BUD	iLoc	BHZ	???	-
DRGR	0.75	352.3	Lg	07:36:51.177	-1.2	T__		---	15123762	FDSN	RO	--	BUD	iLoc	BHE	???	-
CJR	0.84	37.5	Lg	07:36:54.970	0.2	T__		---	15123763	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	0.84	37.5	Lg	07:36:54.970	0.2	T__	0.1	---	15123764	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	0.86	284.8	Pn	07:36:41.974	-0.3	T__		---	15123765	FDSN	RO	--	BUD	iLoc	BHZ	???	-
SIRR	0.86	284.8	Lg	07:36:54.530	-1.0	T__		---	15123766	FDSN	RO	--	BUD	iLoc	BHN	???	-
SIRR	0.86	284.9	Pn	07:36:42.190	-0.1	T__		---	15123767	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	0.86	284.9	Pn	07:36:42.190	-0.1	T__		---	15123768	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	0.86	284.9	Lg	07:36:54.377	-1.2	T__		---	15123769	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	0.88	133.1	Pn	07:36:43.620	0.8	T__		---	15123771	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	0.88	133.1	Pn	07:36:43.620	0.8	T__		---	15123770	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	0.88	133.1	Lg	07:36:55.599	0.5	T__		---	15123772	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	0.88	133.2	Pg	07:36:42.128	-0.3	T__		---	15123773	FDSN	RO	--	BUD	iLoc	BHN	???	-
LOT	0.88	133.2	Lg	07:36:53.537	-1.7	T__		---	15123774	FDSN	RO	--	BUD	iLoc	BHN	???	-
BZS	0.97	243.8	Pn	07:36:43.956	0.3	T__		---	15123775	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	0.97	243.8	Pn	07:36:43.956	0.3	T__		---	15123776	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	0.97	243.8	Lg	07:36:57.621	-0.5	T__		---	15123777	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	1.21	195.0	Pg	07:36:48.476	-0.0	T__		---	15123778	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	1.21	195.0	Pg	07:36:48.476	-0.0	T__		---	15123779	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	1.21	195.0	Lg	07:37:05.771	0.6	T__		---	15123780	FDSN	IR	--	ISC	iLoc	???	???	-
ARR	1.42	118.2	Pg	07:36:51.877	-0.8	T__		---	15123781	FDSN	IR	--	ISC	iLoc	???	???	-
ARR	1.42	118.2	Pg	07:36:51.877	-0.8	T__		---	15123782	FDSN	IR	--	ISC	iLoc	???	???	-
ARR	1.42	118.2	Lg	07:37:11.863	-0.9	T__		---	15123783	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	1.50	212.8	Pg	07:36:53.217	-1.3	T__		---	15123784	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	1.50	212.8	Pg	07:36:53.217	-1.3	T__		---	15123785	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	1.50	212.8	Sn	07:37:12.899	0.7	T__		---	15123786	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	1.65	111.1	Pg	07:36:55.882	-1.2	T__		---	15123787	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	1.65	111.1	Pg	07:36:55.882	-1.2	T__		---	15123788	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	1.65	111.1	Sn	07:37:17.271	0.6	T__		---	15123789	FDSN	IR	--	ISC	iLoc	???	???	-
TIRR	4.23	110.1	Pn	07:37:22.600	-7.8	---	257898.0	---	15123790	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
2018/06/21	07:47:07.74	0.13	0.37	46.0289	22.8548	1.2	1.0	106	6.6F	1.6	25	73		0.15	1.64	a	ke BUC	15107183	ISC			360
2018/06/21	07:47:07.12	0.99	0.80	46.0394	22.8543	3.2	2.9	88	10.9F	8.6	45	15	73	0.16	4.51	m	ke BUD	15123791	iLoc			94

Magnitude	Err	Nsta	Author	OrigID
m1	1.6		BUC	15107183
M	1.7	4	BUD	15123791

Sta	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	168.7	Pg	07:47:10.723	0.1					T__						15123793	FDSN	RO	--	BUD	iLoc	BHZ	???	-
DEV	0.16	168.7	Lg	07:47:13.534	0.2					T__						15123794	FDSN	RO	--	BUD	iLoc	BHE	???	-
DEV	0.16	167.6	Lg	07:47:13.020	-0.5					T__			0.4			15123795	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	0.58	241.0	Pg	07:47:18.856	0.2					T__						15123796	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	0.58	241.0	Pg	07:47:18.856	0.2					T__						15123797	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	0.58	241.0	Lg	07:47:27.019	-0.1					T__						15123798	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	0.65	184.8	Pg	07:47:20.041	0.3					T__						15123799	FDSN	RO	--	BUD	iLoc	BHZ	???	-

GZR	0.65	184.8	Lg	07:47:29.447	0.2	T__									15123800	FDSN	RO	--	BUD	iLoc	BHN	???	???	
MARR	0.66	16.0	Pg	07:47:21.211	0.7	T__									15123801	FDSN	IR	--	ISC	iLoc	???	???	???	???
MARR	0.66	16.0	Pg	07:47:21.211	0.7	T__									15123802	FDSN	IR	--	ISC	iLoc	???	???	???	???
MARR	0.66	16.0	Lg	07:47:29.619	-1.5	T__									15123803	FDSN	IR	--	ISC	iLoc	???	???	???	???
DRGR	0.76	352.5	Pg	07:47:22.321	-0.0	T__									15123804	FDSN	IR	--	ISC	iLoc	???	???	???	???
DRGR	0.76	352.5	Pg	07:47:22.321	-0.0	T__									15123805	FDSN	IR	--	ISC	iLoc	???	???	???	???
DRGR	0.76	352.5	Lg	07:47:33.573	-0.8	T__									15123806	FDSN	IR	--	ISC	iLoc	???	???	???	???
DRGR	0.76	352.5	Pg	07:47:22.642	0.3	T__									15123807	FDSN	RO	--	BUD	iLoc	BHN	???	???	???
DRGR	0.76	352.5	Lg	07:47:32.823	-1.6	T__									15123808	FDSN	RO	--	BUD	iLoc	BHE	???	???	???
CJR	0.85	37.1	Lg	07:47:36.855	-0.1	T__									15123809	FDSN	IR	--	ISC	iLoc	???	???	???	???
CJR	0.85	37.1	Lg	07:47:36.855	-0.1	T__								0.1	15123810	FDSN	IR	--	ISC	iLoc	???	???	???	???
SIRR	0.86	285.7	Pn	07:47:23.814	-0.4	T__									15123811	FDSN	RO	--	BUD	iLoc	BHZ	???	???	???
SIRR	0.86	285.7	Lg	07:47:35.990	-1.3	T__									15123812	FDSN	RO	--	BUD	iLoc	BHN	???	???	???
SIRR	0.86	285.8	Pn	07:47:23.963	-0.3	T__								0.1	15123814	FDSN	IR	--	ISC	iLoc	???	???	???	???
SIRR	0.86	285.8	Pn	07:47:23.963	-0.3	T__									15123813	FDSN	IR	--	ISC	iLoc	???	???	???	???
SIRR	0.86	285.8	Lg	07:47:36.230	-1.1	T__								0.1	15123815	FDSN	IR	--	ISC	iLoc	???	???	???	???
LOT	0.87	132.4	Pn	07:47:24.867	0.3	T__									15123816	FDSN	IR	--	ISC	iLoc	???	???	???	???
LOT	0.87	132.4	Pn	07:47:24.867	0.3	T__									15123817	FDSN	IR	--	ISC	iLoc	???	???	???	???
LOT	0.87	132.4	Lg	07:47:36.097	-0.5	T__									15123818	FDSN	IR	--	ISC	iLoc	???	???	???	???
LOT	0.87	132.5	Lg	07:47:35.816	-1.0	T__									15123819	FDSN	RO	--	BUD	iLoc	BHN	???	???	???
BZS	0.95	244.1	Sn	07:47:39.878	0.3	T__									15123820	FDSN	RO	--	BUD	iLoc	BHE	???	???	???
BZS	0.96	244.4	Pg	07:47:26.284	0.4	T__									15123821	FDSN	IR	--	ISC	iLoc	???	???	???	???
BZS	0.96	244.4	Pg	07:47:26.284	0.4	T__									15123822	FDSN	IR	--	ISC	iLoc	???	???	???	???
BZS	0.96	244.4	Lg	07:47:38.806	-0.8	T__									15123823	FDSN	IR	--	ISC	iLoc	???	???	???	???
HERR	1.20	195.1	Pg	07:47:30.503	0.5	T__									15123824	FDSN	IR	--	ISC	iLoc	???	???	???	???
HERR	1.20	195.1	Pg	07:47:30.503	0.5	T__								0.1	15123825	FDSN	IR	--	ISC	iLoc	???	???	???	???
HERR	1.20	195.1	Lg	07:47:46.963	0.4	T__								0.1	15123826	FDSN	IR	--	ISC	iLoc	???	???	???	???
ARR	1.42	117.7	Pg	07:47:34.103	-0.2	T__									15123827	FDSN	IR	--	ISC	iLoc	???	???	???	???
ARR	1.42	117.7	Pg	07:47:34.103	-0.2	T__									15123828	FDSN	IR	--	ISC	iLoc	???	???	???	???
ARR	1.42	117.7	Sn	07:47:52.933	0.5	T__									15123829	FDSN	IR	--	ISC	iLoc	???	???	???	???
MDVR	1.49	213.0	Pg	07:47:34.653	-1.3	T__									15123830	FDSN	IR	--	ISC	iLoc	???	???	???	???
MDVR	1.49	213.0	Pg	07:47:34.653	-1.3	T__									15123831	FDSN	IR	--	ISC	iLoc	???	???	???	???
MDVR	1.49	213.0	Lg	07:47:55.939	-0.7	T__									15123832	FDSN	IR	--	ISC	iLoc	???	???	???	???
VOIR	1.65	110.6	Pg	07:47:37.803	-1.0	T__									15123833	FDSN	IR	--	ISC	iLoc	???	???	???	???
VOIR	1.65	110.6	Pg	07:47:37.803	-1.0	T__									15123834	FDSN	IR	--	ISC	iLoc	???	???	???	???
VOIR	1.65	110.6	Sn	07:47:59.838	1.3	T__									15123835	FDSN	IR	--	ISC	iLoc	???	???	???	???
MODS	4.46	303.6	Pg	07:48:35.000	-0.0	T__									15123836	FDSN	IR	--	ISC	iLoc	???	???	???	???
MODS	4.46	303.6	Sn	07:48:39.100	-26.9	---									15123837	FDSN	IR	--	ISC	iLoc	???	???	???	???
JAVC	4.51	310.6	Pg	07:48:37.900	2.2	T__									15123838	FDSN	IR	--	ISC	iLoc	???	???	???	???
JAVC	4.51	310.6	Sn	07:48:43.600	-24.2	---									15123839	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
 2018/06/21 07:48:30.28 1.12 0.57 48.5492 17.4177 9.4 4.9 131 0.0S 8 5 115 0.20 1.21 m kx BUD 15123840 iLoc 179
 (locality : Bukova Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 MLv 1.1 0.3 2 BUD 15123840

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
 MODS 0.20 208.0 Pg 07:48:35.051 0.2 T__ --- 15123842 FDSN SK -- BUD iLoc HHZ ??? _

MODS	0.20	208.0	Lg	07:48:39.152	0.8				T__						15123843	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.35	28.3	Pg	07:48:37.996	0.2				T__	2.0	9.9		MLv	1.3	15123844	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.35	28.3	Lg	07:48:43.680	0.3				T__						15123845	FDSN	CZ	--	BUD	iLoc	BHE	???	_
KRUC	0.85	307.6	Sn	07:49:02.773	0.2				T__						15123846	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VYHS	0.94	92.8	Pn	07:48:49.478	-0.5				T__	2.1	0.8		MLv	0.9	15123847	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.94	92.8	Lg	07:49:03.032	0.0				T__						15123848	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	1.21	239.7	Lg	07:49:10.994	-0.7				T__						15123849	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
2018/06/21	09:29:26.14	1.52	1.30	46.8844	17.2809	10.5	6.7	93	0.0S		7	4	152	0.34	0.98	m	sx	BUD	15123858	iLoc		247
(locality : Lesencetomaj Hungary)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	15123858

Sta	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	0.34	31.7	Pg	09:29:32.021	-1.4				T__		17.5	39.8		MLv	1.8	15123860	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.34	31.7	Lg	09:29:40.603	1.6				T__						15123861	FDSN	HU	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.8 1																								
TIH	0.42	87.6	Pg	09:29:34.452	-0.5				T__	4.4	81.8			MLv	2.4	15123862	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
TIH	0.42	87.6	Lg	09:29:42.550	0.9				T__						15123863	FDSN	HU	--	BUD	iLoc	HHE	???	_	
(Station ML : 2.4 1																								
KOGS	0.83	238.8	Sn	09:29:59.524	0.6				T__						15123864	FDSN	SL	--	BUD	iLoc	BHE	???	_	
KOVH	0.98	144.3	Pg	09:29:45.939	-0.0				T__	2.1	4.4			MLv	1.7	15123865	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.98	144.3	Lg	09:29:59.968	-0.9				T__						15123866	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
2018/06/22	08:18:52.05	1.18	1.01	48.5196	18.7749	6.5	3.5	39	0.0S		17	10	154	0.05	1.50	m	kx	BUD	15123880	iLoc		160

Magnitude	Err	Nsta	Author	OrigID
M	1.5		6 BUD	15123880

Sta	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	0.05	122.2	Pg	08:18:53.642	0.4				T__						15123882	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
A335A	0.30	256.2	Pg	08:18:57.767	-0.5				T__						15123883	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A335A	0.30	256.2	Lg	08:19:01.546	-1.4				T__						15123884	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A336A	0.32	152.4	Pg	08:19:00.134	1.4				T__						15123885	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A336A	0.32	152.4	Lg	08:19:03.948	0.4				T__						15123886	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
A332A	0.35	324.3	Pg	08:18:59.411	0.3				T__						15123887	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A332A	0.35	324.3	Lg	08:19:04.176	-0.2				T__						15123888	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A338A	0.58	209.4	Lg	08:19:11.927	-0.5				T__						15123889	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
A337A	0.71	247.6	Lg	08:19:16.916	-0.0				T__						15123890	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
JAVC	0.81	295.3	Pg	08:19:08.531	0.2				T__						15123891	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
JAVC	0.81	295.3	Lg	08:19:20.763	0.6				T__						15123892	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
JAVC	0.81	295.3	Pg	08:19:08.200	-0.1				T__						15123893	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	0.96	128.4	Pg	08:19:11.461	-0.8				T__						15123894	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.96	128.4	Lg	08:19:24.690	-2.4				T__						15123895	FDSN	GE	--	BUD	iLoc	BHN	???	_	

MODS	1.01	262.2	Pn	08:19:13.410	0.8	T__	---	15123896	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.01	262.2	Lg	08:19:25.994	-1.0	T__	---	15123897	FDSN	SK	--	BUD	iLoc	HHE	???	_
MORC	1.50	327.7	Lg	08:19:39.534	-0.9	T__	---	15123898	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.50	327.7	Pg	08:19:28.500	7.9	---	---	15123899	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
2018/06/22	11:57:15.66	0.27	0.35	46.1088	21.6320	2.8	1.4	89	7.6F	2.8	12	188		0.16	1.33	a	ke BUC	15107278	ISC			360
2018/06/22	11:57:14.88	1.24	0.79	46.1268	21.5832	10.4	4.3	96	8.9F	7.5	20	6	205	0.15	1.35	m	ke BUD	15123900	iLoc			233

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15107278
ML	1.3	0.3	3 BUD	15123900

Sta	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	21.8	Pg	11:57:18.680	0.1					T__	32.3	25.1		---	MLv	1.1	15123902	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.15	21.8	Lg	11:57:21.007	-0.5					T__				---			15123903	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.15	20.7	Pg	11:57:18.790	0.2					T__				---			15123904	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.15	20.7	Pg	11:57:18.790	0.2					T__		0.4		---			15123905	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.15	20.7	Lg	11:57:21.384	-0.1					T__		0.4		---			15123906	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.1 1																									
BZS	0.51	175.5	Pg	11:57:25.243	0.2					T__	3.0	3.7		---	MLv	1.3	15123907	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	175.5	Lg	11:57:31.822	-0.8					T__				---			15123908	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.51	177.4	Lg	11:57:32.017	-0.6					T__				---			15123909	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.3 1																									
SURR	0.53	134.4	Pg	11:57:25.917	0.5					T__				---			15123910	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.53	134.4	Pg	11:57:25.917	0.5					T__				---			15123911	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.53	134.4	Lg	11:57:31.704	-1.4					T__				---			15123912	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.02	49.1	Sn	11:57:49.164	-1.0					T__				---			15123913	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.02	49.1	Pn	11:57:35.487	0.9					T__	1.8	4.7		---	MLv	1.7	15123914	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.02	49.1	Sn	11:57:48.978	-1.2					T__				---			15123915	FDSN	RO	--	BUD	iLoc	BHE	???	_
(Station ML : 1.7 1																									
GZR	1.11	130.9	Pg	11:57:36.878	0.6					T__				---			15123917	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.11	130.9	Pg	11:57:36.878	0.6					T__				---			15123916	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.11	130.9	Lg	11:57:51.252	-0.9					T__				---			15123918	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	176.1	Pg	11:57:40.886	-0.3					T__				---			15123919	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	176.1	Pg	11:57:40.886	-0.3					T__				---			15123920	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	176.1	Sn	11:57:58.885	1.0					T__				---			15123921	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	
2018/06/23	09:21:43.68	2.10	0.39	46.1833	18.2797	21.7	5.0	151	0.0S		6	3	209	0.16	0.81	m	kx BUD	15123937	iLoc				329
2018/06/23	09:21:43.75f	0.29	0.29	46.1765	18.2926f				0.0S		6		204	0.16	0.80	m	kx BUD_GT	15137016	BUD				326

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.9	3 BUD	15123937
ML	1.1	0.9	3 BUD	15137016

Sta	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	09:21:47.511	-0.1					T__		20.7		---	MLv	15138043	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:21:50.436	-0.3					T__				---		15138044	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	09:21:49.553	0.3					T__		1.6		---	MLv	15138045	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:21:53.466	-0.1					T__				---		15138046	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pg	09:21:59.745	-0.3					T__		5.3		---	MLv	15138047	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	09:22:12.813	0.5					T__				---		15138048	FDSN	Z3	--	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
2018/06/23	18:32:09.10		0.50	46.1730	16.0430				8.9A							a	ke LJU	15107317	ISC			360
2018/06/23	18:32:08.65	0.51	0.59	46.1987	16.0448	3.8	1.8	107	14.9F	0.0	19		2	0.85	1.11	a	ke VIE	15107313	ISC			360
2018/06/23	18:32:08.87	0.94	0.76	46.1627	16.0491	2.9	2.7	168	8.7F	4.7	58	34	49	0.02	1.77	m	ke BUD	15123958	iLoc			68

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.4		LJU	15107317
mb	1.4		VIE	15107313
m1	1.8		VIE	15107313
M	1.9	11	BUD	15123958

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
LOBO	0.02	119.1	Pg	18:32:10.320	-0.4					T__				---		15123960	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.02	119.1	Lg	18:32:11.180	-1.0					T__				---		15123961	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.26	192.5	Pg	18:32:14.779	0.4					T__				---		15123962	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.26	192.5	Lg	18:32:18.430	-0.9					T__				---		15123963	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.28	96.2	Pg	18:32:14.520	-0.6					T__				---		15123964	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.28	96.2	Lg	18:32:18.720	-1.2					T__				---		15123965	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.32	26.0	Pg	18:32:15.900	0.4					T__				---		15123966	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.32	26.0	Lg	18:32:20.670	0.3					T__				---		15123967	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.32	26.0	IAML	18:32:20.980	-99.0					---		53.3	0.06	---		15123968	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.33	242.9	Pg	18:32:15.990	0.3					T__				---		15123969	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.33	242.9	IAML	18:32:21.970	-99.0					---		15.4	0.10	---		15123970	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.34	187.4	Pg	18:32:16.303	0.5					T__				---		15123971	FDSN	CR	--	BUD	iLoc	BHZ	???	_
DOBS	0.40	268.3	Pg	18:32:17.070	0.2					T__				---		15123972	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.40	268.3	Lg	18:32:23.140	0.1					T__				---		15123973	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.40	268.3	IAML	18:32:24.950	-99.0					---		30.6	0.13	---		15123974	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.42	225.0	Pg	18:32:17.450	0.2					T__				---		15123975	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.42	225.0	IAML	18:32:24.760	-99.0					---		6.1	0.09	---		15123976	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.45	245.3	Pg	18:32:18.250	0.5					T__				---		15123977	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.45	245.3	IAML	18:32:27.040	-99.0					---		13.1	0.11	---		15123978	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.48	308.4	Pg	18:32:18.480	-0.0					T__				---		15123979	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.53	231.0	Pg	18:32:19.626	0.2					T__				---		15123980	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.53	231.0	Lg	18:32:27.557	-0.1					T__				---		15123981	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.53	231.0	IAML	18:32:28.650	-99.0					---		6.2	0.18	---		15123982	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.55	247.5	Pg	18:32:20.050	0.4					T__				---		15123983	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.59	58.3	Pg	18:32:22.361	1.4					T__				---		15123984	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.59	58.3	Lg	18:32:29.842	-0.0					T__				---		15123985	FDSN	HU	--	BUD	iLoc	BHN	???	_
A021A	0.61	345.5	Pg	18:32:21.132	0.3					T__				---		15123986	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.61	345.5	Lg	18:32:29.533	0.0					T__				---		15123987	FDSN	Z3	00	BUD	iLoc	HHE	???	_
OZLJ	0.68	216.8	Pg	18:32:22.350	0.3					T__				---		15123988	FDSN	IR	--	ISC	iLoc	???	???	_

MOSL	0.74	137.9	Pg	18:32:23.180	-0.5	T__									15123989	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.74	137.9	Lg	18:32:32.720	-2.0	T__									15123990	FDSN	IR	--	ISC	iLoc	???	???	_
PDKS	0.74	262.5	Pg	18:32:23.410	0.3	T__									15123991	FDSN	IR	--	ISC	iLoc	???	???	_
PDKS	0.74	262.5	IAML	18:32:37.950	-99.0	---				5.4	0.19	---			15123992	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.76	291.3	Pg	18:32:23.530	0.0	T__									15123993	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.76	291.3	Lg	18:32:33.780	-0.7	T__									15123994	FDSN	IR	--	ISC	iLoc	???	???	_
ZAVS	0.76	291.3	IAML	18:32:36.270	-99.0	---				5.4	0.09	---			15123995	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	0.80	306.6	Pg	18:32:24.050	-0.2	T__									15123996	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	0.80	306.6	IAML	18:32:39.000	-99.0	---				36.5	0.24	---			15123997	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	0.86	89.8	Pn	18:32:27.258	0.7	T__									15123998	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.86	89.8	Sn	18:32:40.352	-0.1	T__									15123999	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOKA	0.87	306.6	Pg	18:32:25.229	-0.4	T__				0.9	0.06	---			15124000	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.87	306.6	Lg	18:32:37.688	-0.4	T__				1.6	0.10	---			15124001	FDSN	IR	--	ISC	iLoc	???	???	_
A010A	0.91	1.3	Pn	18:32:27.613	0.6	T__									15124002	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.91	1.3	Lg	18:32:39.532	-0.0	T__									15124003	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VISS	0.92	247.4	Pg	18:32:26.450	-0.0	T__									15124004	FDSN	IR	--	ISC	iLoc	???	???	_
VISS	0.92	247.4	IAML	18:32:43.210	-99.0	---				3.0	0.25	---			15124005	FDSN	IR	--	ISC	iLoc	???	???	_
VNDS	0.94	266.8	Pg	18:32:26.940	0.1	T__									15124006	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	1.00	60.9	Pn	18:32:28.461	0.1	T__									15124007	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	1.00	60.9	Lg	18:32:42.594	-0.4	T__									15124008	FDSN	Z3	00	BUD	iLoc	HHN	???	_
OBKA	1.10	289.0	Pg	18:32:29.885	0.1	T__				0.7	0.14	---			15124009	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.10	289.0	Lg	18:32:43.982	-1.2	T__				2.8	0.24	---			15124010	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.10	289.0	Pg	18:32:30.812	1.0	T__									15124011	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.10	289.0	Sn	18:32:45.976	-0.2	T__									15124012	FDSN	OE	--	BUD	iLoc	BHN	???	_
MOZS	1.12	277.3	Pn	18:32:30.160	0.1	T__									15124013	FDSN	IR	--	ISC	iLoc	???	???	_
MOZS	1.12	277.3	IAML	18:32:49.190	-99.0	---				1.0	0.10	---			15124014	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.15	341.8	Pg	18:32:31.400	0.2	T__									15124015	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.15	341.8	Lg	18:32:46.323	-0.6	T__									15124016	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.15	341.8	Pn	18:32:30.248	-0.0	T__				0.9	0.16	---			15124017	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.15	341.8	Lg	18:32:44.747	-2.2	T__				3.0	0.20	---			15124018	FDSN	IR	--	ISC	iLoc	???	???	_
A011B	1.25	357.2	Pn	18:32:32.513	0.7	T__									15124019	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	1.25	357.2	Sn	18:32:48.534	-1.1	T__									15124020	FDSN	Z3	00	BUD	iLoc	HH3	???	_
PLIT	1.32	193.3	Pn	18:32:34.120	0.9	T__									15124021	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.32	193.3	Sn	18:32:51.180	-0.6	T__									15124022	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.43	92.2	Sn	18:32:54.943	1.0	T__									15124023	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	1.45	119.4	Pn	18:32:35.169	0.3	T__									15124024	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.45	119.4	Sn	18:32:56.397	1.6	T__									15124025	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A012A	1.48	347.7	Pg	18:32:37.520	-0.3	T__									15124026	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	1.48	347.7	Sn	18:32:56.091	0.4	T__									15124027	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CONA	1.77	355.9	Lg	18:33:05.642	-1.9	T__									15124028	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
 2018/06/25 08:08:20.74 1.01 0.77 48.5555 20.7738 5.5 3.6 158 0.0S 17 9 93 0.20 1.29 m kx BUD 15124029 iLoc 119
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.6 6 BUD 15124029

Sta 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 0.20 249.4 Pg 08:08:25.197 0.2 T__ --- 15124031 FDSN SK -- BUD iLoc EHE ??? _

KECS	0.20	249.4	Lg	08:08:27.964	-0.4	T__									15124032	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	249.4	Lg	08:08:29.200	0.8	T__					1.5				15124033	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.40	129.7	Pg	08:08:29.370	0.3	T__									15124034	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	129.7	Lg	08:08:35.585	-0.4	T__									15124035	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	52.4	Pg	08:08:32.000	0.3	T__					0.0				15124036	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.57	52.4	Lg	08:08:40.100	-1.1	T__					0.0				15124037	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.87	223.0	Pg	08:08:38.958	-0.0	T__									15124038	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	223.0	Lg	08:08:51.724	-0.8	T__									15124039	FDSN	GE	--	BUD	iLoc	BHE	???	_
STHS	0.92	19.6	Pg	08:08:38.100	0.5	T__					0.1				15124040	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.92	19.6	Lg	08:08:51.300	-0.2	T__					0.1				15124041	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.05	305.1	Pg	08:08:40.989	-0.3	T__									15124042	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.23	255.4	Sn	08:09:02.883	0.2	T__									15124043	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.25	109.2	Pn	08:08:46.119	1.1	T__									15124044	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.25	109.2	Sn	08:09:02.459	-1.8	T__									15124045	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.29	268.0	Pg	08:08:45.814	-0.6	T__									15124046	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	268.0	Sn	08:09:04.276	-0.3	T__									15124047	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
2018/06/25	09:33:20.15	2.08	0.65	45.9787	18.6405	13.9	6.5	113	8.6F	15.7	8	5	225	0.24	0.78	m	ke BUD	15124058	iLoc			263

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MORH	0.24	0.6	Pg	09:33:25.156	-0.2					T__						15124060	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.24	0.6	Lg	09:33:29.699	0.4					T__						15124061	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.39	286.4	Pg	09:33:28.650	0.3					T__						15124062	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.39	286.4	Lg	09:33:33.851	-0.8					T__						15124063	FDSN	HU	--	BUD	iLoc	BHN	???	_
A273A	0.58	264.1	Lg	09:33:41.187	0.5					T__						15124064	FDSN	Z3	--	BUD	iLoc	HHN	???	_
A266A	0.61	334.7	Lg	09:33:41.384	-0.2					T__						15124065	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A252A	0.78	225.9	Pg	09:33:36.132	0.3					T__						15124066	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.78	225.9	Lg	09:33:46.382	-0.7					T__						15124067	FDSN	Z3	--	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	
2018/06/25	09:46:31.25	2.51	0.38	46.8834	22.2979	18.8	6.3	160	0.0S		8	4	252	0.30	1.53	m	kx BUD	15124048	iLoc				311

(locality : Tetchea Romania)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15124048

Sta	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	107.8	Pg	09:46:37.430	-0.2					T__						15124050	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.30	107.8	Lg	09:46:42.722	-0.1					T__						15124051	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.76	215.5	Pg	09:46:46.590	-0.2					T__						15124052	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.76	215.5	Lg	09:46:58.295	-0.3					T__						15124053	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.34	200.1	Pn	09:46:56.564	0.2					T__						15124054	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.34	200.1	Lg	09:47:18.040	0.1					T__						15124055	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.53	167.2	Pg	09:47:00.788	0.4					T__						15124056	FDSN	RO	--	BUD	iLoc	BHZ	???	_

GZR 1.53 167.2 Lg 09:47:23.180 -0.6 T__ --- 15124057 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
2018/06/25	10:00:44.83	0.20	0.34	48.1171	16.9481	2.4	1.0	128	0.0F	0.0	14	2	0.60	1.29	a	sx VIE	15107438	ISC				360
2018/06/25	10:00:44.11	1.03	0.75	48.1470	16.9340	6.6	3.4	136	0.0S		23	8	157	0.12	1.31	m	sx BUD	15124068	iLoc			178

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15107438
m1	1.6		VIE	15107438
M	1.6	6	BUD	15124068

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.12	66.4	Pg	10:00:47.137	-0.0					T__						15124070	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.12	66.4	Lg	10:00:49.069	-0.5					T__						15124071	FDSN	SK	--	BUD	iLoc	HHE	???	_
MODS	0.32	45.3	Pg	10:00:50.943	-0.2					T__						15124072	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	45.3	Lg	10:00:55.481	-0.9					T__						15124073	FDSN	SK	--	BUD	iLoc	HHE	???	_
RONA	0.62	224.0	Pg	10:00:56.285	-0.3					T__		0.9	0.12			15124074	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.62	224.0	Lg	10:01:04.951	-0.9					T__		15.7	0.48			15124075	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	253.5	x	10:01:00.659	-99.0					---						15124076	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.75	253.5	Lg	10:01:09.653	-0.7					T__						15124077	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.75	253.5	Pg	10:00:59.463	0.3					T__		0.3	0.14			15124078	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	253.5	Lg	10:01:10.170	-0.2					T__		4.9	0.32			15124079	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.86	34.2	Pn	10:01:04.364	1.5					T__						15124080	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.86	34.2	Pn	10:01:04.100	1.2					T__						15124081	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	338.9	Pg	10:01:03.500	0.7					T__						15124082	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	338.9	Lg	10:01:16.900	0.1					T__						15124083	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.98	338.9	Pn	10:01:04.571	0.3					T__						15124084	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.98	338.9	Sn	10:01:18.533	-1.3					T__						15124085	FDSN	CZ	--	BUD	iLoc	BHN	???	_
AO13A	1.03	265.9	Lg	10:01:18.006	-0.9					T__						15124086	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VRAC	1.18	349.1	Pg	10:01:06.600	0.2					T__						15124087	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.18	349.1	Pn	10:01:06.930	-0.1					T__						15124088	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.18	349.1	Sn	10:01:24.220	-0.4					T__						15124089	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.31	227.3	Pg	10:01:10.191	0.7					T__		0.3	0.08			15124090	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	227.3	Sn	10:01:27.196	-0.6					T__		2.2	0.36			15124091	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	227.3	Pg	10:01:10.383	0.9					T__						15124092	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	227.3	Lg	10:01:28.268	-0.0					T__						15124093	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
2018/06/26	07:35:19.04	2.07	0.48	47.3794	18.4552	14.5	9.8	103	0.0S		4	3	184	0.13	1.17	m	sx BUD	15124094	iLoc			273

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

Magnitude	Err	Nsta	Author	OrigID

Sta	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	263.1	Pg	07:35:22.600	0.3					T__						15124096	FDSN	HU	--	BUD	iLoc	HHZ	???	_

CSKK	0.13	263.1	Lg	07:35:24.677	-0.3	T__	---	15124097	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.26	349.2	Lg	07:35:29.055	-0.2	T__	---	15124098	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.17	173.6	Sn	07:35:59.230	-0.1	T__	---	15124099	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
2018/06/26	08:02:23.69	1.85	0.28	48.5195	20.7555	17.6	7.3	11	0.0S	7	4	214	0.18	1.28	m	kx	BUD	15124100	iLoc			314
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	15124100

Sta	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	258.7	Pg	08:02:27.351	-0.2					T__	13.3	98.8		---	MLv	1.8	15124102	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.18	258.7	Lg	08:02:31.042	0.5					T__				---		15124103	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.8 1)																									
ABAH	0.39	124.5	Lg	08:02:38.761	0.2					T__				---		15124104	FDSN	HU	--	BUD	iLoc	HHE	???	_	
PSZ	0.83	224.1	Pn	08:02:41.982	0.0					T__	1.9	5.0		---	MLv	1.7	15124105	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.83	224.1	Lg	08:02:54.289	0.0					T__				---		15124106	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1)																									
VYHS	1.28	269.6	Pn	08:02:48.063	0.1					T__	1.4	0.6		---	MLv	1.0	15124107	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.28	269.6	Sn	08:03:07.056	-0.1					T__				---		15124108	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	
2018/06/26	09:08:56.90	0.30	0.30	46.8435	22.8909	2.7	1.5	167	6.5F	1.7	10	174	0.13	1.76	a	ke	BUC	15107468	ISC				360
2018/06/26	09:08:55.46	1.36	0.41	46.8711	22.8815	9.5	4.8	170	0.0S	19	7	188	0.14	1.76	m	sx	BUD	15124122	iLoc				264
(locality : Poieni Romania)																							
(description : suspected quarry blast)																							

Magnitude	Err	Nsta	Author	OrigID
ml	0.9		BUC	15107468
ML	1.4	0.2	3 BUD	15124122

Sta	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	235.9	Pg	09:08:59.524	0.8					T__	16.0	37.4		---	MLv	1.3	15124124	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.14	235.9	Lg	09:09:01.865	0.3					T__				---		15124125	FDSN	RO	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.3 1)																									
MARR	0.25	140.0	Pg	09:09:01.314	0.4					T__				---		15124126	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.25	140.0	Pg	09:09:01.314	0.4					T__				---		15124127	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	0.25	140.0	Lg	09:09:05.241	-0.2					T__				---		15124128	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	1.04	234.7	Pn	09:09:16.471	-0.0					T__	2.4	2.3		---	MLv	1.4	15124129	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.04	234.7	Lg	09:09:31.636	-0.7					T__				---		15124130	FDSN	RO	--	BUD	iLoc	BHN	???	_	
SIRR	1.04	234.8	Pg	09:09:16.575	0.0					T__				---		15124131	FDSN	IR	--	ISC	iLoc	???	???	_	
SIRR	1.04	234.8	Pg	09:09:16.575	0.0					T__				---		15124132	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.4 1)																									
SURR	1.23	205.4	Pg	09:09:19.842	0.4					T__				---		15124133	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	1.23	205.4	Pg	09:09:19.842	0.4					T__				---		15124134	FDSN	IR	--	ISC	iLoc	???	???	_	
SURR	1.23	205.4	Lg	09:09:36.794	-0.3					T__				---		15124135	FDSN	IR	--	ISC	iLoc	???	???	_	

GZR	1.48	182.9	Pg	09:09:23.697	-0.0	T__	2.2	3.4	___	MLv	1.9	15124136	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.48	182.9	Sn	09:09:44.562	0.3	T__			---			15124137	FDSN	RO	--	BUD	iLoc	BHZ	???	_
(Station ML : 1.9 1																				
BZS	1.52	215.0	Lg	09:09:47.242	-0.6	T__			---			15124138	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.53	215.4	Sn	09:09:44.937	-0.2	T__			---			15124139	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.53	215.4	Sn	09:09:44.937	-0.2	T__			---			15124140	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	64.1	Sn	09:09:51.919	-0.1	T__			---			15124141	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.76	64.1	Sn	09:09:51.919	-0.1	T__			---			15124142	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
2018/06/26	10:11:14.61	0.42	0.38	46.2529	21.7212	3.4	1.3	117	3.5F	1.9	16	226	0.57	1.64	a	ke	BUC	15107495	ISC			360
2018/06/26	10:11:13.38	1.53	0.85	46.2910	21.6764	11.4	3.7	120	0.0S		29	10	214	0.03	1.69	m	sx	BUD	15124156	iLoc		231
(description : suspected quarry blast)																						
(locality : Sárospatak Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.5		BUC	15107495
MLv	1.9	0.1	2 BUD	15124156

Sta	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	0.03	199.9	Pg	10:11:14.326	-0.2					T__						15124158	FDSN	RO	--	BUD	iLoc	BHZ	???	_		
SURR	0.62	149.7	Pg	10:11:26.169	0.7					T__						15124159	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.62	149.7	Pg	10:11:26.169	0.7					T__						15124160	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.62	149.7	Lg	10:11:33.912	-0.6					T__						15124161	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.68	183.6	Pg	10:11:26.326	-0.4					T__						15124162	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.68	183.6	Pg	10:11:26.326	-0.4					T__						15124163	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.68	183.6	Lg	10:11:36.069	-0.6					T__						15124164	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.87	54.6	Pg	10:11:31.609	0.7					T__						15124165	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.87	54.6	Pg	10:11:31.609	0.7					T__						15124166	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.87	54.6	Pg	10:11:31.490	0.5					T__	2.4	5.8			___	MLv	1.8	15124167	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	0.87	54.6	Lg	10:11:43.916	-1.3					T__						15124168	FDSN	RO	--	BUD	iLoc	BHN	???	_		
MARR	1.07	68.4	Pg	10:11:35.066	0.4					T__						15124170	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.07	68.4	Pg	10:11:35.066	0.4					T__						15124169	FDSN	IR	--	ISC	iLoc	???	???	_		
MARR	1.07	68.4	Lg	10:11:48.922	-2.8					T__						15124171	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.18	139.0	Pn	10:11:36.469	0.2					T__						15124172	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.18	139.0	Pn	10:11:36.469	0.2					T__						15124173	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.18	139.0	Pn	10:11:37.834	1.6					T__	2.2	6.4			___	MLv	2.0	15124174	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.18	139.0	Lg	10:11:51.654	-1.2					T__						15124175	FDSN	IR	--	ISC	iLoc	???	???	_		
GZR	1.18	139.0	Lg	10:11:52.414	-0.4					T__						15124176	FDSN	RO	--	BUD	iLoc	BHE	???	_		
CJR	1.39	71.7	Sn	10:12:00.188	-0.1					T__						15124177	FDSN	IR	--	ISC	iLoc	???	???	_		
CJR	1.39	71.7	Sn	10:12:00.188	-0.1					T__						15124178	FDSN	IR	--	ISC	iLoc	???	???	_		
HERR	1.50	159.5	Sn	10:12:02.547	0.3					T__						15124179	FDSN	IR	--	ISC	iLoc	???	???	_		
HERR	1.50	159.5	Sn	10:12:02.547	0.3					T__						15124180	FDSN	IR	--	ISC	iLoc	???	???	_		
MDVR	1.51	179.0	Pn	10:11:41.752	0.8					T__						15124181	FDSN	IR	--	ISC	iLoc	???	???	_		
MDVR	1.51	179.0	Pn	10:11:41.752	0.8					T__						15124182	FDSN	IR	--	ISC	iLoc	???	???	_		
MDVR	1.51	179.0	Sn	10:12:02.612	-0.0					T__						15124183	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.69	119.2	Pn	10:11:44.048	0.4					T__						15124184	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.69	119.2	Pn	10:11:44.048	0.4					T__						15124185	FDSN	IR	--	ISC	iLoc	???	???	_		
LOT	1.69	119.2	Sn	10:12:07.399	-0.1					T__						15124186	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
2018/06/26	10:51:17.33	1.13	1.04	48.1119	21.2334	7.3	5.2	173	0.0S	12	8	125	0.18	5.43	m	kx	BUD	15124195	iLoc			170
2018/06/26	10:51:17.87f		1.89	48.2470	21.2460f				0.0S	12		115	0.05	5.55	m	kx	BUD_GT	15137019	BUD			153

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15137019

Sta	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	10:51:20.654	1.2					T__						15138049	FDSN	HU	--	BUD	BUD	HHZ	???	_
KECS	0.56	295.3	Pg	10:51:30.517	1.4					T__						15138050	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	10:51:39.217	1.6					T__						15138051	FDSN	SK	--	BUD	BUD	EHE	???	_
CRVS	0.67	12.2	Pg	10:51:33.355	2.6					T__						15138052	FDSN	SK	--	BUD	BUD	HHZ	???	_
CRVS	0.67	12.2	Lg	10:51:45.348	3.6					T__						15138053	FDSN	SK	--	BUD	BUD	HHE	???	_
HOLU	0.81	69.3	Pn	10:51:34.952	-1.1					T__						15138054	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:51:47.652	0.5					T__						15138055	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	10:51:36.935	0.0					T__						15138056	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	10:51:49.859	0.1					T__						15138057	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Lg	10:51:53.025	-0.1					T__						15138058	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Lg	10:51:53.315	1.3					T__						15138059	FDSN	SK	--	BUD	BUD	HHE	???	_
RICI	5.55	212.7	Pg	10:53:01.900	-3.8					T__						15138060	FDSN	IR	--	ISC	BUD	???	???	_
RICI	5.55	212.7	Sn	10:53:06.740	-40.3					T__						15138061	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
2018/06/26	12:01:21.94	0.47	0.78	48.4764	17.2587	5.0	2.4	107	0.0F	0.0	20	1	1.01	1.08	a	sx	VIE	15107550	ISC			360
2018/06/26	12:01:21.45	0.96	0.72	48.4134	17.2509	4.6	3.2	99	0.0S		28	15	71	0.04	1.38	m	kx	BUD	15124210	iLoc		100

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.6		VIE	15107550
ml	1.7		VIE	15107550
M	1.8	8	BUD	15124210

Sta	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	156.7	Pg	12:01:23.675	0.7					T__						15124212	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.04	156.7	Lg	12:01:25.337	1.0					T__						15124213	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	0.24	204.6	Pg	12:01:26.952	0.2					T__						15124214	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	0.24	204.6	Lg	12:01:30.755	0.0					T__						15124215	FDSN	SK	--	BUD	iLoc	HHE	???	_
A333A	0.32	342.2	Lg	12:01:32.703	-0.2					T__						15124216	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A334A	0.34	55.7	Pg	12:01:29.295	0.7					T__						15124217	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.53	31.8	Pg	12:01:32.994	0.7					T__						15124218	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.53	31.8	Lg	12:01:40.028	-0.3					T__						15124219	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.53	31.8	Pg	12:01:33.300	1.0					T__						15124220	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.53	31.8	Lg	12:01:40.600	0.3					T__						15124221	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.54	306.0	Pg	12:01:34.081	1.9					T__						15124222	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A001A	0.54	306.0	Lg	12:01:40.333	0.2	T__									15124223	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KRUC	0.86	319.2	Pn	12:01:38.900	-1.0	T__									15124224	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.86	319.2	Lg	12:01:50.100	0.0	T__									15124225	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.86	319.2	Pn	12:01:39.168	-0.7	T__									15124226	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.86	319.2	Sn	12:01:52.611	-1.5	T__									15124227	FDSN	CZ	--	BUD	iLoc	BHE	???	_
SOP	0.87	212.7	Pn	12:01:40.054	0.0	T__									15124228	FDSN	HU	--	BUD	iLoc	BHZ	???	_
RONA	0.96	222.2	Pn	12:01:40.766	-0.7	T__					0.3	0.08			15124229	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.96	222.2	Lg	12:01:54.636	-0.0	T__					6.1	0.40			15124230	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.00	334.4	Pn	12:01:41.600	-0.2	T__									15124231	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.00	334.4	Pn	12:01:41.807	0.0	T__									15124232	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.00	334.4	Sn	12:01:57.099	-0.3	T__									15124233	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CONA	1.05	242.9	Pn	12:01:42.096	-0.6	T__									15124234	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.05	243.0	Sn	12:01:58.857	-0.4	T__					6.1	0.38			15124235	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.06	85.0	Pn	12:01:42.079	-0.6	T__									15124236	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MPLH	1.26	171.0	Lg	12:02:04.720	0.4	T__									15124237	FDSN	HU	--	BUD	iLoc	BHE	???	_
A013A	1.28	254.8	Lg	12:02:04.751	0.2	T__									15124238	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORC	1.38	7.9	Pg	12:01:48.186	0.4	T__									15124239	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
 2018/06/26 13:17:07.59 1.07 1.04 48.2948 18.5543 4.2 3.9 42 0.0S 18 12 79 0.21 1.63 m kx BUD 15124240 iLoc 93
 (locality : Rybnik Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 6 BUD 15124240

Sta	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	316.3	Pg	13:17:12.621	0.5					T__						15124242	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.21	316.3	Lg	13:17:15.947	0.4					T__						15124243	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	0.27	43.2	Pg	13:17:13.881	0.6					T__				_c_		15124244	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.27	43.2	Lg	13:17:17.655	0.1					T__						15124245	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A336A	0.30	101.5	Pg	13:17:14.941	1.1					T__						15124246	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.30	101.5	Lg	13:17:19.196	0.7					T__						15124247	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A338A	0.31	205.9	Pg	13:17:13.775	-0.3					T__						15124248	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.31	205.9	Lg	13:17:19.898	0.9					T__						15124249	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.51	353.4	Pg	13:17:18.423	0.5					T__						15124250	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.51	353.4	Lg	13:17:25.573	0.1					T__						15124251	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.81	314.2	Lg	13:17:36.039	-0.0					T__						15124252	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MODS	0.86	275.7	Lg	13:17:38.809	1.2					T__						15124253	FDSN	SK	--	BUD	iLoc	HHN	???	_
CSKK	0.95	192.1	Lg	13:17:41.579	0.8					T__						15124254	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.97	112.3	Lg	13:17:41.302	-1.9					T__						15124255	FDSN	GE	--	BUD	iLoc	BHE	???	_
ZST	0.98	264.7	Lg	13:17:41.025	-0.4					T__						15124256	FDSN	SK	--	BUD	iLoc	HHE	???	_
LANS	1.05	34.9	Pg	13:17:28.665	0.5					T__						15124257	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MORC	1.63	336.2	Pn	13:17:37.100	0.4					T__						15124258	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.63	336.2	Sn	13:17:56.800	-2.5					T__						15124259	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
 2018/06/27 08:31:58.37 1.05 0.61 48.6272 18.0833 6.5 3.8 25 0.0A 14 8 121 0.25 1.64 m ke BUD 15124299 iLoc 154

Magnitude Err Nsta Author OrigID
M 1.6 5 BUD 15124299

Sta	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	0.25	137.0	Pg	08:32:03.901	0.3					T__						15124301	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.25	137.0	Lg	08:32:07.728	0.3					T__						15124302	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.36	310.5	Pg	08:32:05.954	-0.0					T__						15124303	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.36	310.5	Lg	08:32:10.890	-0.7					T__						15124304	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	0.52	104.6	Pg	08:32:08.963	0.1					T__						15124305	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.52	104.6	Lg	08:32:15.289	-1.3					T__						15124306	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.59	244.9	Pg	08:32:09.949	-0.6					T__						15124307	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.59	244.9	Lg	08:32:19.508	-0.0					T__						15124308	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	0.73	122.5	Lg	08:32:23.021	-0.6					T__						15124309	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A001A	0.99	276.4	Lg	08:32:32.547	0.4					T__						15124310	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MORC	1.20	343.1	Pn	08:32:21.965	0.3					T__						15124311	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.20	343.1	Lg	08:32:37.690	0.3					T__						15124312	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CONA	1.64	245.6	Pn	08:32:28.484	0.6					T__						15124313	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.64	245.6	Sn	08:32:49.879	-0.4					T__						15124314	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
2018/06/27	09:11:08.40	1.23	0.82	48.4749	20.8038	16.2	5.9	168	0.0S		8	5	132	0.21	1.31	m	kx BUD	15124260	iLoc			193

Magnitude Err Nsta Author OrigID
M 1.5 4 BUD 15124260

Sta	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	272.4	Pg	09:11:13.187	0.3					T__						15124262	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	272.4	Lg	09:11:17.197	0.9					T__						15124263	FDSN	SK	--	BUD	iLoc	EHE	???	_
CRVS	0.61	45.3	Pg	09:11:20.026	-0.1					T__						15124264	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.82	227.9	Pn	09:11:26.947	0.4					T__						15124265	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.82	227.9	Sn	09:11:40.121	-0.8					T__						15124266	FDSN	GE	--	BUD	iLoc	BHN	???	_
TRPA	1.21	105.9	Sn	09:11:50.534	-0.3					T__						15124267	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.31	271.6	Pg	09:11:34.091	-0.4					T__						15124268	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.31	271.6	Sn	09:11:51.556	-1.2					T__						15124269	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
2018/06/28	09:49:25.23	1.55	0.34	47.2278	18.3453	8.1	6.7	107	0.0S		6	4	112	0.15	1.26	m	kx BUD	15124270	iLoc			208
2018/06/28	09:49:25.55f		0.76	47.2302	18.2835f				0.0S		6		108	0.13	1.29	m	kx BUD_GT	15135585	BUD			206

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

Magnitude Err Nsta Author OrigID

Sta	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	09:49:28.869	0.0					T__						15138062	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	09:49:31.292	-0.3					T__						15138063	FDSN	HU	--	BUD	BUD	HHN	???	_

MPLH	0.51	263.5	Pg	09:49:36.693	0.5	T__	---	15138064	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	09:49:45.487	1.3	T__	---	15138065	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.04	166.1	Lg	09:50:01.137	-1.0	T__	---	15138066	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	1.29	57.1	Sn	09:50:09.896	0.6	T__	---	15138067	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
 2018/06/28 11:39:51.55 0.99 0.77 48.6304 20.2356 4.4 3.9 17 0.0S 19 11 66 0.22 1.71 m kx BUD 15124278 iLoc 113
 (locality : Lubenik Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.9 7 BUD 15124278

Sta	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	131.5	Pg	11:39:56.721	0.5					T__						15124280	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	131.5	Lg	11:40:00.056	0.3					T__						15124281	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	0.73	316.1	Pg	11:40:06.094	0.3					T__						15124282	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.73	316.1	Lg	11:40:15.434	-1.1					T__						15124283	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.75	116.2	Pg	11:40:06.978	0.6					T__						15124284	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.75	116.2	Lg	11:40:18.037	-0.7					T__						15124285	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.75	197.9	Pg	11:40:07.331	-0.1					T__						15124286	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.75	197.9	Lg	11:40:18.855	-0.3					T__						15124287	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.79	3.7	Pg	11:40:07.519	1.1					T__						15124288	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.79	3.7	Lg	11:40:17.349	-0.5					T__						15124289	FDSN	PL	--	BUD	iLoc	BHE	???	_
CRVS	0.86	71.0	Pn	11:40:09.800	-0.4					T__		0.0				15124290	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.86	71.0	Lg	11:40:21.300	-0.3					T__		0.0				15124291	FDSN	IR	--	ISC	iLoc	???	???	_
A336A	0.91	244.7	Pg	11:40:10.360	0.5					T__						15124292	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.91	244.7	Lg	11:40:22.936	-0.3					T__						15124293	FDSN	Z3	00	BUD	iLoc	HH3	???	_
STHS	1.03	39.8	Pn	11:40:12.500	-0.1					T__		0.1				15124294	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	1.28	262.4	Pn	11:40:16.364	0.6					T__						15124295	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.28	262.4	Sn	11:40:32.985	-1.6					T__						15124296	FDSN	Z3	00	BUD	iLoc	HHN	???	_
OJC	1.62	350.0	Pn	11:40:21.342	0.3					T__						15124297	FDSN	PL	--	BUD	iLoc	BHZ	???	_
JAVC	1.71	278.6	Pn	11:40:23.539	1.4					T__						15124298	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
 2018/06/29 06:27:07.51 1.06 0.79 47.3651 18.4211 7.9 4.1 141 0.0S 14 10 111 0.11 1.30 m kx BUD 15124315 iLoc 132
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15124315

Sta	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	269.1	Pg	06:27:09.579	-0.7					T__						15124317	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.11	269.1	Lg	06:27:11.680	-1.0					T__						15124318	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.27	354.5	Lg	06:27:19.339	1.3					T__						15124319	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.34	281.3	Lg	06:27:20.870	0.3					T__						15124320	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A270A	0.63	39.9	Pg	06:27:21.045	0.4					T__						15124321	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

MPLH	0.63	252.3	Pg	06:27:21.609	1.2	T__	---	15124322	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.63	252.3	Lg	06:27:30.987	0.9	T__	---	15124323	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	0.95	23.9	Sn	06:27:41.957	-0.3	T__	---	15124324	FDSN	Z3	00	BUD	iLoc	HH3	???	_
PSZ	1.14	60.4	Pn	06:27:29.632	-0.3	T__	---	15124325	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.14	60.4	Lg	06:27:48.307	0.1	T__	---	15124326	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORH	1.16	172.3	Sn	06:27:46.659	-0.9	T__	---	15124327	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.16	13.7	Pg	06:27:30.498	-0.4	T__	---	15124328	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.16	13.7	Sn	06:27:47.534	-0.1	T__	---	15124329	FDSN	SK	--	BUD	iLoc	HHN	???	_
KOVH	1.30	189.9	Sn	06:27:51.666	0.5	T__	---	15124330	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
2018/06/29	08:26:25.36	0.98	0.84	48.5679	20.7656	5.8	3.6	171	0.0S		18	11	109	0.20	3.46	m	kx	BUD	15124331	iLoc		146
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	7	BUD	15124331

Sta	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	245.6	Pg	08:26:30.220	0.6					T__	---					15124333	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	245.6	Lg	08:26:33.985	1.0					T__	---					15124334	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	130.6	Pg	08:26:34.291	0.4					T__	---					15124335	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.42	130.6	Lg	08:26:40.592	-0.5					T__	---					15124336	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	53.7	Pg	08:26:37.099	0.8					T__	---					15124337	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	53.7	Lg	08:26:44.959	-0.8					T__	---					15124338	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.87	222.2	Pg	08:26:43.573	-0.2					T__	---					15124339	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.2	Lg	08:26:56.745	-0.6					T__	---					15124340	FDSN	GE	--	BUD	iLoc	BHZ	???	_
LANS	1.04	304.7	Pg	08:26:45.989	0.3					T__	---					15124341	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.04	304.7	Lg	08:27:00.176	-0.7					T__	---					15124342	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	1.06	69.3	Lg	08:27:02.872	0.2					T__	---					15124343	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.22	254.8	Sn	08:27:06.320	-1.0					T__	---					15124344	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.26	109.6	Pn	08:26:50.031	0.2					T__	---					15124345	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.26	109.6	Sn	08:27:07.218	-1.9					T__	---					15124346	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.28	267.4	Pg	08:26:50.851	-0.1					T__	---					15124347	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	267.4	Sn	08:27:08.469	-0.6					T__	---					15124348	FDSN	SK	--	BUD	iLoc	HHN	???	_
CJR	2.67	133.0	Pn	08:27:10.467	0.7					T__	---					15124349	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	2.67	133.0	Sn	08:27:16.432	-27.3					---	---					15124350	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	3.46	155.8	Pn	08:27:21.586	1.0					T__	---					15124351	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	3.46	155.8	Sn	08:27:36.056	-26.8					---	---					15124352	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
2018/06/29	09:54:10.52	1.07	0.74	48.4559	17.5281	7.0	4.3	158	0.0S		12	8	153	0.18	1.23	m	kx	BUD	15124353	iLoc		156
(locality : Bukova Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.3	4	BUD	15124353

Sta	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	33.2	Pg	09:54:15.363	0.9					T__						15124355	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.19	243.7	Pg	09:54:14.730	-0.1					T__						15124356	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.19	243.7	Lg	09:54:17.714	-0.5					T__						15124357	FDSN	SK	--	BUD	iLoc	HHE	???	_
JAVC	0.41	13.1	Pg	09:54:18.262	-0.9					T__						15124358	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.41	13.1	Lg	09:54:24.456	-1.2					T__						15124359	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.54	90.7	Lg	09:54:29.357	-0.1					T__						15124360	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.87	87.0	Pn	09:54:29.326	0.2					T__						15124361	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.87	87.0	Lg	09:54:40.970	0.2					T__						15124362	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	0.96	309.4	Lg	09:54:43.200	0.7					T__						15124363	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	1.05	324.5	Lg	09:54:45.883	1.0					T__						15124364	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CONA	1.23	245.3	Pn	09:54:34.535	0.2					T__						15124365	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.23	245.3	Sn	09:54:52.486	-0.2					T__						15124366	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
2018/07/01	06:08:16.87	1.19	0.29	45.8846	18.7710	8.8	6.1	56	10.0A		8	4	149	0.34	1.06	m	ke BUD	15124385	iLoc			250

Magnitude	Err	Nsta	Author	OrigID
M	1.1	4	BUD	15124385

Sta	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	0.34	345.1	Pg	06:08:24.328	0.2					T__						15124387	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.34	345.1	Lg	06:08:29.417	-0.1					T__						15124388	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.51	293.8	Pg	06:08:27.534	0.1					T__						15124389	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.51	293.8	Lg	06:08:34.760	-0.4					T__						15124390	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.79	235.6	Pn	06:08:33.104	0.1					T__						15124391	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.79	235.6	Lg	06:08:44.052	0.1					T__						15124392	FDSN	Z3	--	BUD	iLoc	BHE	???	_
FRGS	1.06	134.7	Pg	06:08:37.292	0.1					T__						15124393	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
FRGS	1.06	134.7	Sn	06:08:51.902	-0.3					T__						15124394	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	
2018/07/03	08:30:11.91	0.96	1.15	48.5539	20.7646	5.0	3.4	165	0.0S		19	10	93	0.20	1.54	m	kx BUD	15124395	iLoc			120	
(locality : Dvorniky-Vcelare Slovakia)																							
(description : known quarry blast)																							

Magnitude	Err	Nsta	Author	OrigID
M	1.7	7	BUD	15124395

Sta	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	249.2	Pg	08:30:16.509	0.4					T__						15124397	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	249.2	Lg	08:30:20.584	1.3					T__						15124398	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.41	129.0	Pg	08:30:20.631	0.4					T__						15124399	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	129.0	Lg	08:30:26.817	-0.5					T__						15124400	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.58	52.7	Pg	08:30:23.200	0.2					T__		0.0				15124401	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	52.7	Lg	08:30:31.400	-1.2					T__		0.0				15124402	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.86	222.8	Pg	08:30:29.021	-1.0					T__						15124403	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	222.8	Lg	08:30:42.775	-0.7					T__						15124404	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.92	19.9	Pg	08:30:29.436	0.6					T__						15124405	FDSN	SK	--	BUD	iLoc	EHZ	???	_

STHS	0.92	19.9	Lg	08:30:42.878	0.1	T__	---	15124406	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	1.04	305.4	Pg	08:30:32.341	-0.0	T__	---	15124407	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.04	305.4	Lg	08:30:46.135	-1.6	T__	---	15124408	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	1.07	68.6	Pn	08:30:34.135	0.4	T__	---	15124409	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	1.07	68.6	Lg	08:30:48.642	-0.8	T__	---	15124410	FDSN	SK	--	BUD	iLoc	HHE	???	_
TRPA	1.26	109.0	Pn	08:30:38.530	2.3	T__	---	15124411	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.26	109.0	Sn	08:30:53.516	-2.0	T__	---	15124412	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.28	268.0	Pn	08:30:37.272	0.9	T__	---	15124413	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	268.0	Sn	08:30:54.541	-1.0	T__	---	15124414	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.54	280.2	Pn	08:30:41.166	1.2	T__	---	15124415	FDSN	Z3	00	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
2018/07/03	09:10:47.33	0.24	0.22	47.5726	16.3592	1.8	0.9	140	0.0F	0.0	14	23	0.13	1.44	a	sx	VIE	15107606	ISC			360
2018/07/03	09:10:47.15	1.14	0.55	47.5891	16.3569	4.3	3.6	155	0.0S		26	17	94	0.12	1.89	m	sx	BUD	15124416	iLoc		119

(description : suspected quarry blast)

(locality : Tatabánya Hungary)

Magnitude	Err	Nsta	Author	OrigID
mb	0.7		VIE	15107606
m1	1.8		VIE	15107606
M	1.4	5	BUD	15124416

Sta	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	339.7	Pg	09:10:49.608	-0.3					T__		3.7	0.08	---		15124418	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.12	339.7	Lg	09:10:52.020	-0.0					T__		155.5	0.34	---		15124419	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.17	55.2	Pg	09:10:50.670	-0.2					T__				---		15124420	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.17	55.2	Lg	09:10:53.385	-0.3					T__				---		15124421	FDSN	HU	--	BUD	iLoc	BHN	???	_
A011B	0.32	236.4	Pg	09:10:53.303	-0.4					T__				---		15124422	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.32	236.4	Lg	09:10:58.226	-0.3					T__				---		15124423	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A004A	0.38	4.1	Lg	09:11:01.446	1.0					T__				---		15124424	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A260A	0.39	142.0	Lg	09:11:01.977	0.7					T__				---		15124425	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CONA	0.48	315.6	Pg	09:10:56.997	0.2					T__				---		15124426	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.48	315.6	Lg	09:11:03.415	-0.6					T__				---		15124427	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.48	315.6	Pg	09:10:56.810	0.1					T__		0.6	0.16	---		15124428	FDSN	IR	--	ISC	iLoc	???	???	_
A012A	0.52	271.9	Pg	09:10:57.449	-0.2					T__				---		15124429	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	0.52	271.9	Lg	09:11:05.878	0.3					T__				---		15124430	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ARSA	0.66	239.4	Pg	09:10:59.835	-0.1					T__		1.0	0.20	---		15124431	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.66	239.4	Lg	09:11:09.002	-0.4					T__				---		15124432	FDSN	OE	--	BUD	iLoc	BHE	???	_
EGYH	0.68	104.3	x	09:11:15.093	-99.0					---				---		15124433	FDSN	HU	--	BUD	iLoc	HHE	???	_
A013A	0.80	306.9	Pg	09:11:02.567	-0.1					T__				---		15124434	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.80	306.9	Lg	09:11:14.690	0.5					T__				---		15124435	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.91	117.1	Lg	09:11:19.711	0.8					T__				---		15124436	FDSN	HU	--	BUD	iLoc	BHN	???	_
MODS	1.00	37.9	Lg	09:11:21.969	-0.1					T__				---		15124437	FDSN	SK	--	BUD	iLoc	HHN	???	_
A001A	1.15	7.7	Sn	09:11:27.196	0.2					T__				---		15124438	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MOA	1.44	281.2	Pg	09:11:15.034	0.1					T__		2.3	0.48	---		15124439	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.44	281.2	Lg	09:11:35.295	-0.3					T__		6.5	0.46	---		15124440	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.47	1.0	Sn	09:11:33.743	-1.0					T__				---		15124441	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.73	5.1	Sn	09:11:41.412	0.5					T__				---		15124442	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.84	312.7	Sn	09:11:44.934	0.8					T__				---		15124443	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VYHS	1.89	60.5	Lg	09:11:48.905	-1.2					T__				---		15124444	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
2018/07/03	10:43:29.99	1.35	0.92	48.3217	21.3556	17.1	6.3	4	0.0S	6	3	177	0.08	0.81	m	kx	BUD	15124445	iLoc			325
2018/07/03	10:43:30.42f		1.44	48.2470	21.2460f				0.0S	6		198	0.05	0.87	m	kx	BUD_GT	15137025	BUD			300

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

Magnitude	Err	Nsta	Author	OrigID
M	1.6	3	BUD	15137025

Sta	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	10:43:32.195	0.2					T__				---	15138068	FDSN	HU	--	BUD	BUD	HHZ	???	_	
ABAH	0.05	355.1	Lg	10:43:33.671	0.2					T__				---	15138069	FDSN	HU	--	BUD	BUD	HHZ	???	_	
KECS	0.56	295.3	Pg	10:43:42.170	0.5					T__				---	15138070	FDSN	SK	--	BUD	BUD	EHN	???	_	
KECS	0.56	295.3	Lg	10:43:50.185	-0.0					T__				---	15138071	FDSN	SK	--	BUD	BUD	EHN	???	_	
TRPA	0.87	97.2	Pn	10:43:48.938	-0.5					T__				---	15138072	FDSN	HU	--	BUD	BUD	BHZ	???	_	
TRPA	0.87	97.2	Lg	10:43:58.880	-3.4					T__				---	15138073	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
2018/07/03	13:37:03.32	2.26	0.98	47.4501	18.6358	22.2	8.3	137	0.0S	4	3	190	0.27	1.05	m	sx	BUD	15124453	iLoc			306

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

Magnitude	Err	Nsta	Author	OrigID
M	0.7	1	BUD	15124453

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.27	251.3	Lg	13:37:13.461	-0.4					T__				---	15124455	FDSN	HU	--	BUD	iLoc	HHE	???	_	
PSZ	0.97	60.7	Sn	13:37:38.925	-0.3					T__				---	15124456	FDSN	GE	--	BUD	iLoc	BHE	???	_	
VYHS	1.05	7.3	Pg	13:37:25.076	0.6					T__				---	15124457	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
VYHS	1.05	7.3	Lg	13:37:39.444	-0.6					T__				---	15124458	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
2018/07/05	08:18:50.43	1.23	0.64	48.6423	18.5893	6.5	3.8	54	0.0S	13	8	156	0.18	1.33	m	kx	BUD	15124471	iLoc			159

Magnitude	Err	Nsta	Author	OrigID
M	1.3	6	BUD	15124471

Sta	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	333.1	Pg	08:18:54.770	0.6					T__				---	15124473	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A332A	0.18	333.1	Lg	08:18:57.396	0.4					T__				---	15124474	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
VYHS	0.22	132.1	Pg	08:18:55.539	0.5					T__				---	15124475	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
VYHS	0.22	132.1	Lg	08:18:58.932	0.4					T__				---	15124476	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A335A	0.26	220.8	Pg	08:18:56.230	0.4					T__				---	15124477	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A335A	0.26	220.8	Lg	08:19:00.344	0.5					T__				---	15124478	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A336A	0.49	146.2	Pg	08:19:00.644	0.2					T__				---	15124479	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	

A336A	0.49	146.2	Lg	08:19:08.102	0.4	T__	---	15124480	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.65	290.0	Pg	08:19:03.640	0.1	T__	---	15124481	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MODS	0.91	253.3	Pg	08:19:08.887	0.0	T__	---	15124482	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	1.13	129.2	Sn	08:19:28.707	-1.6	T__	---	15124483	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORC	1.33	329.2	Pg	08:19:15.897	0.2	T__	---	15124484	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.33	329.2	Lg	08:19:33.346	-0.1	T__	---	15124485	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
2018/07/05	09:20:17.58	0.99	0.84	47.7242	18.5130	4.6	3.7	143	0.0S	18	11	80	0.12	1.95	m	kx	BUD	15124486	iLoc			127
(locality : Lábatlan Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.9	6	BUD	15124486

Sta	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	225.9	Pg	09:20:20.727	0.2					T__					---	15124488	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.12	225.9	Lg	09:20:22.898	-0.0					T__					---	15124489	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SRO	0.16	303.6	Pg	09:20:22.041	0.8					T__					---	15124490	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A270A	0.36	70.3	Pg	09:20:25.914	0.6					T__					---	15124491	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.36	70.3	Lg	09:20:32.315	1.2					T__					---	15124492	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.40	205.4	Pg	09:20:26.592	0.6					T__					---	15124493	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.40	205.4	Lg	09:20:32.915	0.5					T__					---	15124494	FDSN	HU	--	BUD	iLoc	HHE	???	_
BUD	0.42	124.7	Lg	09:20:32.850	-0.8					T__					---	15124495	FDSN	HU	--	BUD	iLoc	BHN	???	_
A336A	0.61	32.5	Lg	09:20:39.188	0.2					T__					---	15124496	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.80	15.6	Lg	09:20:46.085	0.4					T__					---	15124497	FDSN	SK	--	BUD	iLoc	HHN	???	_
MPLH	0.86	230.4	Pn	09:20:36.412	0.5					T__					---	15124498	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.86	230.4	Sn	09:20:49.634	-0.8					T__					---	15124499	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	0.95	77.7	Pn	09:20:37.178	-0.2					T__					---	15124500	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.95	77.7	Lg	09:20:51.991	-0.5					T__					---	15124501	FDSN	GE	--	BUD	iLoc	BHN	???	_
MODS	1.05	308.5	Pn	09:20:39.433	0.6					T__					---	15124502	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.05	308.5	Lg	09:20:53.941	-0.3					T__					---	15124503	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	1.27	334.0	Sn	09:20:58.298	-2.2					T__					---	15124504	FDSN	CZ	--	BUD	iLoc	BHN	???	_
KRUC	1.95	314.3	Pg	09:21:04.700	9.4					---					---	15124505	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.95	314.3	Lg	09:21:21.200	-0.5					T__					---	15124506	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
2018/07/05	09:25:45.60	1.29	0.93	47.8663	19.4073	7.0	4.5	175	0.0S	12	8	184	0.26	1.67	m	kx	BUD	15124507	iLoc			216
2018/07/05	09:25:46.56f		0.85	47.9151	19.4088f				0.0S	12		165	0.27	1.62	m	kx	BUD_GT	15135610	BUD			203
(description : known quarry blast)																						
(locality : Bercel Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.3	4	BUD	15135610

Sta	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	Lg	09:25:56.354	-0.6					T__					---	15138074	FDSN	Z3	00	BUD	BUD	HHN	???	_

PSZ	0.33	89.2	Pg	09:25:53.231	-0.7	T__	---	15138075	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.33	89.2	Lg	09:25:58.585	-1.0	T__	---	15138076	FDSN	GE	--	BUD	BUD	BHZ	???	_
A336A	0.42	319.4	Pg	09:25:55.918	0.7	T__	---	15138077	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.42	319.4	Lg	09:26:01.423	-0.2	T__	---	15138078	FDSN	Z3	00	BUD	BUD	HH2	???	_
VYHS	0.69	326.7	Pn	09:26:02.146	-0.5	T__	---	15138079	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.69	326.7	Lg	09:26:11.548	0.6	T__	---	15138080	FDSN	SK	--	BUD	BUD	HHZ	???	_
A335A	0.89	306.9	Lg	09:26:16.094	-1.6	T__	---	15138081	FDSN	Z3	00	BUD	BUD	HHN	???	_
KECS	0.92	51.3	Lg	09:26:18.327	-0.3	T__	---	15138082	FDSN	SK	--	BUD	BUD	EHE	???	_
MODS	1.50	288.6	Sn	09:26:35.944	1.0	T__	---	15138083	FDSN	SK	--	BUD	BUD	HHN	???	_
NIE	1.62	21.4	Pg	09:26:17.536	0.6	T__	---	15138084	FDSN	PL	--	BUD	BUD	BHZ	???	_
NIE	1.62	21.4	Lg	09:26:41.771	1.3	T__	---	15138085	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
2018/07/05	09:45:58.00	3.38	0.74	47.2636	18.4296	43.4	5.6	59	0.0S	5	3	222	0.15	0.38	m	kx	BUD	15124528	iLoc			345
2018/07/05	09:45:58.56f		0.90	47.2302	18.2835f				0.0S	5		161	0.13	0.32	m	kx	BUD_GT	15135615	BUD			316

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

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CSKK	0.13	353.4	Pg	09:46:02.115	0.2					T__						15138086	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	09:46:03.743	-0.8					T__						15138087	FDSN	HU	--	BUD	BUD	HHN	???	_
A267A	0.31	154.4	Pg	09:46:04.684	-0.6					T__						15138088	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A267A	0.31	154.4	Lg	09:46:10.399	-0.1					T__						15138089	FDSN	Z3	00	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	09:46:12.380	1.7					T__						15138090	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	
2018/07/05	11:34:16.95	1.27	0.46	47.8921	19.4805	7.8	4.2	0	0.0S	15	10	157	0.28	1.55	m	kx	BUD	15124535	iLoc				193
2018/07/05	11:34:17.53f		1.14	47.8920	19.4049f				0.0S	15		155	0.26	1.51	m	kx	BUD_GT	15135620	BUD				190

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

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15135620

Sta	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	11:34:23.592	0.3					T__						15138093	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.26	259.9	Lg	11:34:28.515	0.8					T__						15138094	FDSN	Z3	00	BUD	BUD	HHN	???	_
PSZ	0.33	85.2	Pg	11:34:23.093	-1.9					T__						15138091	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.33	85.2	Lg	11:34:28.425	-2.3					T__						15138092	FDSN	GE	--	BUD	BUD	BHN	???	_
A336A	0.44	321.6	Pg	11:34:26.604	0.1					T__						15138095	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.44	321.6	Lg	11:34:32.889	-0.2					T__						15138096	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	0.71	327.9	Pg	11:34:31.471	-0.5					T__						15138097	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.71	327.9	Lg	11:34:42.689	0.1					T__						15138098	FDSN	SK	--	BUD	BUD	HHN	???	_
A338A	0.72	280.3	Lg	11:34:43.786	1.0					T__						15138099	FDSN	Z3	00	BUD	BUD	HH3	???	_

A335A	0.91	308.2	Sn	11:34:50.186	-1.1	T__	---	15138101	FDSN	Z3	00	BUD	BUD	HHN	???	_
KECS	0.93	50.3	Lg	11:34:48.228	-1.9	T__	---	15138100	FDSN	SK	--	BUD	BUD	EHE	???	_
MPLH	1.46	240.9	Sn	11:35:05.609	0.8	T__	---	15138102	FDSN	HU	--	BUD	BUD	BHE	???	_
MODS	1.50	289.4	Sn	11:35:06.786	0.7	T__	---	15138106	FDSN	SK	--	BUD	BUD	HHE	???	_
JAVC	1.51	310.6	Pg	11:34:53.000	5.6	---	---	15138104	FDSN	IR	--	ISC	BUD	???	???	_
JAVC	1.51	310.6	Sn	11:35:07.478	1.1	T__	---	15138103	FDSN	CZ	--	BUD	BUD	BHE	???	_
JAVC	1.51	310.6	Sn	11:35:07.600	1.2	T__	---	15138105	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
2018/07/06	06:28:05.81	1.95	0.18	47.3727	18.4099	13.8	9.6	111	0.0S	4	3	175	0.10	1.17	m	kx	BUD	15124553	iLoc		268	

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	264.7	Pg	06:28:08.592	0.1	T__	---								_c_	15124555	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.10	264.7	Lg	06:28:10.600	-0.1	T__	---								---	15124556	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.27	356.0	Lg	06:28:16.039	-0.1	T__	---								---	15124557	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.17	172.0	Sn	06:28:46.018	-0.0	T__	---								---	15124558	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
2018/07/06	08:28:10.89	1.09	0.86	47.5521	18.4542	7.3	3.8	106	0.0S	18	12	122	0.10	1.79	m	kx	BUD	15124559	iLoc		162	
2018/07/06	08:28:11.06f		0.81	47.5600	18.4573f				0.0S	18	121	0.09	1.79	m	kx	BUD_GT	15137031	BUD			161	

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

Magnitude	Err	Nsta	Author	OrigID
M	2.2	6	BUD	15137031

Sta	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	08:28:13.878	0.4	T__	---								---	15138107	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.09	327.2	Lg	08:28:15.820	0.4	T__	---								---	15138108	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Pg	08:28:16.136	-0.2	T__	---								---	15138109	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	08:28:19.612	-0.9	T__	---								---	15138110	FDSN	HU	--	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Lg	08:28:21.700	1.2	T__	---					3.3			---	15138111	FDSN	IR	--	ISC	BUD	???	???	_
SRO	0.27	339.1	Pg	08:28:17.796	0.9	T__	---								---	15138112	FDSN	SK	--	BUD	BUD	EZH	???	_
A270A	0.47	52.8	Lg	08:28:27.960	-0.6	T__	---								---	15138113	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.74	238.3	Sn	08:28:39.975	-0.9	T__	---								---	15138114	FDSN	HU	--	BUD	BUD	BHE	???	_
EGYH	0.78	259.7	Pn	08:28:27.694	-0.6	T__	---								---	15138115	FDSN	HU	--	BUD	BUD	HHZ	???	_
EGYH	0.78	259.7	Sn	08:28:42.147	0.3	T__	---								---	15138116	FDSN	HU	--	BUD	BUD	HHN	???	_
A335A	0.89	354.8	Pn	08:28:29.877	0.1	T__	---								---	15138117	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A335A	0.89	354.8	Lg	08:28:41.689	-0.5	T__	---								---	15138118	FDSN	Z3	00	BUD	BUD	HHN	???	_
VYHS	0.97	15.1	Pn	08:28:31.068	0.1	T__	---								---	15138119	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Sn	08:28:46.168	-0.2	T__	---								---	15138120	FDSN	SK	--	BUD	BUD	HHN	???	_
MODS	1.14	316.2	Lg	08:28:48.721	-1.8	T__	---								---	15138121	FDSN	SK	--	BUD	BUD	HHN	???	_
MORH	1.35	174.5	Sn	08:28:54.919	-0.9	T__	---								---	15138122	FDSN	HU	--	BUD	BUD	BHE	???	_
JAVC	1.40	338.3	Lg	08:29:00.120	0.9	T__	---								---	15138123	FDSN	CZ	--	BUD	BUD	BHN	???	_
CONA	1.79	282.8	Sn	08:29:05.400	-1.4	T__	---								---	15138124	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
2018/07/06	10:15:10.40	2.55	0.76	48.0905	19.6977	46.1	5.2	37	0.0S		5	3	197	0.22	0.70	m	kx BUD	15124579	iLoc			341
2018/07/06	10:15:10.60f		0.57	48.0061	19.6278f				0.0S		5		182	0.20	0.72	m	kx BUD_GT	15135634	BUD			345

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.8	0.0	2 BUD	15135634

Sta	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	10:15:15.842	0.5					T__		50.1		---	MLv	15138125	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.20	116.0	Lg	10:15:18.993	-0.2					T__				---		15138126	FDSN	GE	--	BUD	BUD	BHN	???	_
A336A	0.48	298.6	Pg	10:15:19.934	-0.5					T__		11.1		---	MLv	15138127	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.48	298.6	Lg	10:15:28.445	0.9					T__				---		15138128	FDSN	Z3	00	BUD	BUD	HH2	???	_
VYHS	0.72	313.0	Lg	10:15:35.162	-0.7					T__				---		15138129	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
2018/07/07	02:53:53.10	1.27	1.24	47.2696	18.0589	7.5	5.5	146	6.3F	9.6	11	7	103	0.17	1.33	m	ke BUD	15124594	iLoc			198

Magnitude	Err	Nsta	Author	OrigID
M	1.4		5 BUD	15124594

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.17	55.6	Pg	02:53:56.934	0.1					T__				---		15124596	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.17	55.6	Lg	02:53:59.832	0.1					T__				---		15124597	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.19	330.5	Pg	02:53:57.312	0.1					T__				---		15124598	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.19	330.5	Lg	02:53:59.200	-1.1					T__				---		15124599	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.37	254.5	Pg	02:54:00.914	0.2					T__				---		15124600	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.37	254.5	Lg	02:54:06.553	0.2					T__				---		15124601	FDSN	HU	--	BUD	iLoc	BHN	???	_
SRO	0.57	17.5	Pg	02:54:03.689	-0.9					T__				---		15124602	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MORH	1.13	158.9	Sn	02:54:28.916	-1.7					T__				---		15124603	FDSN	HU	--	BUD	iLoc	BHE	???	_
MODS	1.22	334.8	Sn	02:54:31.671	-1.5					T__				---		15124604	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.33	22.8	Pn	02:54:18.248	1.1					T__				---		15124605	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.33	22.8	Sn	02:54:37.037	1.4					T__				---		15124606	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
2018/07/09	08:29:51.85	1.68	0.71	45.8447	18.4028	11.6	5.5	118	0.0S		6	3	199	0.32	0.56	m	sx BUD	15124614	iLoc			294

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.5	3 BUD	15124614

Sta	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	0.32	319.2	Pg	08:29:59.257	0.3	T__	4.8	6.4	___	MLv	1.0	15124616	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.32	319.2	Lg	08:30:04.153	-0.3	T__			---			15124617	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 1.0 1																				
MORH	0.41	24.3	Pg	08:30:00.807	0.3	T__	4.6	1.8	___	MLv	0.7	15124618	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.41	24.3	Lg	08:30:06.754	-0.5	T__			---			15124619	FDSN	HU	--	BUD	iLoc	BHE	???	_
(Station ML : 0.7 1																				
A252A	0.56	223.8	Pg	08:30:03.999	0.5	T__	2.4	5.1	___	MLv	1.5	15124620	FDSN	Z3	--	BUD	iLoc	BHZ	BHZ	_
A252A	0.56	223.8	Lg	08:30:11.429	-0.9	T__			---			15124621	FDSN	Z3	--	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
 2018/07/09 11:52:53.97 0.99 1.03 47.3401 17.6066 6.9 4.9 113 0.0S 15 11 71 0.18 6.58 m sx BUD 15124635 iLoc 100
 (description : suspected quarry blast)
 (locality : Podgorje Croatia)

Magnitude Err Nsta Author OrigID
 M 1.8 5 BUD 15124635

Sta	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	195.1	Pg	11:52:57.419	-0.7					T__						15124637	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.18	195.1	Lg	11:52:59.908	-1.4					T__						15124638	FDSN	HU	--	BUD	iLoc	BHN	???	_
A268A	0.23	66.9	Lg	11:53:02.803	-0.5					T__						15124639	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.45	86.8	Lg	11:53:10.347	-0.1					T__						15124640	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.60	60.1	Lg	11:53:15.925	0.2					T__						15124641	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOP	0.79	296.2	Pn	11:53:11.850	0.4					T__						15124642	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.79	296.2	Sn	11:53:24.597	-0.6					T__						15124643	FDSN	HU	--	BUD	iLoc	BHE	???	_
A337A	0.91	7.7	Pn	11:53:13.502	0.4					T__						15124644	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.91	7.7	Lg	11:53:26.471	0.5					T__						15124645	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	1.30	164.7	Pg	11:53:19.794	-0.2					T__						15124646	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.30	164.7	Sn	11:53:37.171	-0.6					T__						15124647	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.33	147.2	Sn	11:53:38.151	-0.2					T__						15124648	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.42	35.2	Sn	11:53:39.109	-1.4					T__						15124649	FDSN	SK	--	BUD	iLoc	HHN	???	_
ARSA	1.42	267.1	Pn	11:53:20.670	0.5					T__						15124650	FDSN	OE	--	BUD	iLoc	BHZ	???	_
TIR	6.21	164.1	Pg	11:54:45.660	-6.4					---						15124651	FDSN	IR	--	ISC	iLoc	???	???	_
RDP	6.58	213.8	Pn	11:54:34.860	2.6					T__						15124652	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
 2018/07/10 09:32:40.17 1.42 0.89 48.1445 19.7719 8.7 5.9 22 0.0S 7 6 114 0.24 1.01 m kx BUD 15124653 iLoc 220

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.24	160.0	Pg	09:32:46.085	0.3					T__						15124655	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.24	160.0	Lg	09:32:50.239	0.1					T__						15124656	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	0.52	280.0	Lg	09:32:59.490	0.8					T__						15124657	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KECS	0.58	54.3	Lg	09:33:00.487	-0.4					T__						15124658	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	0.72	299.6	Lg	09:33:05.888	0.7					T__						15124659	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.96	262.8	Lg	09:33:12.322	-1.3					T__						15124660	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A335A	1.01	288.0	Sn	09:33:15.701	-0.5					T__						15124661	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
 2018/07/11 08:01:28.42 1.21 0.63 48.5851 20.7540 8.1 4.0 158 0.0S 12 7 148 0.21 1.28 m kx BUD 15124662 iLoc 163
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.6 4 BUD 15124662

Sta	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	240.3	Pg	08:01:33.112	0.4					T__						15124664	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	240.3	Lg	08:01:36.999	0.9					T__						15124665	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.43	131.6	Pg	08:01:37.705	0.4					T__						15124666	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	131.6	Lg	08:01:44.310	-0.4					T__						15124667	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.57	55.6	Pg	08:01:40.200	0.9					T__		0.0				15124668	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.57	55.6	Lg	08:01:48.500	-0.1					T__		0.0				15124669	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.88	221.1	Pg	08:01:47.012	0.1					T__						15124670	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	221.1	Lg	08:02:00.740	0.1					T__						15124671	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOLS	1.06	70.3	Lg	08:02:04.918	-0.9					T__						15124672	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.22	253.9	Sn	08:02:09.692	-0.6					T__						15124673	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.28	266.6	Pg	08:01:53.701	-0.2					T__						15124674	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.6	Sn	08:02:11.562	-0.4					T__						15124675	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
 2018/07/11 10:01:19.42 0.32 0.60 48.1469 16.9013 3.0 1.9 117 0.0F 0.0 19 6 0.60 1.29 a kx VIE 15107653 ISC 360
 2018/07/11 10:01:19.15 0.93 0.79 48.1612 16.9161 4.7 3.3 142 0.0S 25 14 84 0.13 1.32 m kx BUD 15124676 iLoc 92
 (description : known quarry blast)
 (locality : Hainburg Austria)

Magnitude Err Nsta Author OrigID
 mb 1.3 VIE 15107653
 ml 1.6 VIE 15107653
 M 1.7 5 BUD 15124676

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.13	74.3	Pg	10:01:22.145	-0.2					T__						15124678	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	48.5	Pg	10:01:25.559	-0.6					T__						15124679	FDSN	SK	--	BUD	iLoc	HHE	???	_
MODS	0.32	48.5	Lg	10:01:30.729	-0.6					T__						15124680	FDSN	SK	--	BUD	iLoc	HHN	???	_
A003A	0.41	167.1	Pg	10:01:29.493	1.6					T__						15124681	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.41	167.1	Lg	10:01:33.984	-0.3					T__						15124682	FDSN	Z3	00	BUD	iLoc	HH3	???	_
RONA	0.62	222.3	Lg	10:01:39.622	-1.4					T__		6.5	0.40			15124683	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	252.2	Lg	10:01:45.549	0.4					T__						15124684	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.74	252.2	Pg	10:01:33.558	-0.5					T__		0.8	0.26			15124685	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	252.2	Lg	10:01:44.884	-0.2					T__		4.9	0.58			15124686	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.80	159.2	Sn	10:01:48.984	-1.5					T__						15124687	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	0.86	35.4	Pn	10:01:39.270	1.4					T__						15124688	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.86	35.4	Pn	10:01:39.000	1.1					T__						15124689	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.97	339.2	Pn	10:01:38.600	-0.5					T__						15124690	FDSN	IR	--	ISC	iLoc	???	???	_

KRUC	0.97	339.2	Lg	10:01:52.200	0.9	T__	---	15124691	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.99	72.7	Lg	10:01:53.134	-0.3	T__	---	15124692	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A013A	1.02	265.0	Lg	10:01:53.561	-0.1	T__	---	15124693	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A012A	1.05	238.6	Sn	10:01:56.910	-0.3	T__	---	15124694	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VRAC	1.17	349.6	Pg	10:01:41.600	0.5	T__	---	15124695	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.17	349.6	Pn	10:01:42.151	0.3	T__	---	15124696	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.17	349.6	Sn	10:01:58.972	-0.3	T__	---	15124697	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.31	226.4	Pn	10:01:43.772	-0.1	T__	---	15124698	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	226.4	Sn	10:02:02.766	-0.1	T__	6.6 0.60	15124699	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	226.4	Lg	10:02:04.043	0.7	T__	---	15124700	FDSN	OE	--	BUD	iLoc	BHE	???	_
VYHS	1.32	74.7	Pg	10:01:45.238	-0.3	T__	---	15124701	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	74.7	Lg	10:02:04.457	0.2	T__	---	15124702	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
2018/07/11	10:19:35.78	1.50	0.59	47.2249	18.3008	9.8	6.0	84	0.0S		7	5	177	0.14	1.15	m	kx BUD	15124703	iLoc			217
2018/07/11	10:19:35.91f		0.53	47.2302	18.2835f				0.0S		7		172	0.13	1.15	m	kx BUD_GT	15135652	BUD			216

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.5	2 BUD	15135652

Sta	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	10:19:39.644	0.4					T__		232.8			MLv	15138130	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	10:19:41.531	-0.4					T__						15138131	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	10:19:48.589	0.5					T__						15138132	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	10:19:46.690	0.1					T__		3.4			MLv	15138133	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	10:19:55.033	0.5					T__						15138134	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Lg	10:20:12.500	0.0					T__						15138135	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Sn	10:20:14.959	-1.0					T__						15138136	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	
2018/07/11	11:15:13.13	1.20	1.29	48.3341	19.8157	8.6	5.3	178	0.0S		10	7	154	0.42	1.03	m	kx BUD	15124741	iLoc				174

(locality : Husina Slovakia)
(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.9		5 BUD	15124741

Sta	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	172.8	Pg	11:15:23.270	0.9					T__						15124743	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.42	172.8	Lg	11:15:29.502	0.2					T__						15124744	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.47	71.3	Pg	11:15:23.166	0.5					T__						15124745	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	0.55	259.8	Pg	11:15:25.424	1.0					T__						15124746	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.55	259.8	Lg	11:15:32.695	0.1					T__						15124747	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A270A	0.72	227.8	Lg	11:15:36.608	-2.5					T__						15124748	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ABAH	0.95	91.8	Pn	11:15:32.479	-0.4					T__						15124749	FDSN	HU	--	BUD	iLoc	HHZ	???	_

A335A	0.99	277.1	Sn	11:15:48.616	-0.2	T__	---	15124750	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	1.03	252.5	Pg	11:15:35.142	1.3	T__	---	15124751	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.03	252.5	Lg	11:15:47.692	-1.2	T__	---	15124752	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
2018/07/12	09:34:28.51	1.23	0.41	48.4119	19.5291	8.3	4.1	6	5.0A	12	6	162	0.40	0.88	m	ke	BUD	15124781	iLoc		233	

Magnitude	Err	Nsta	Author	OrigID
M	1.6	6	BUD	15124781

Sta	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	0.40	243.4	Pg	09:34:37.046	0.5					T__						15124783	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.40	243.4	Lg	09:34:42.409	-0.1					T__						15124784	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.47	280.4	Pg	09:34:38.209	0.2					T__						15124785	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.47	280.4	Lg	09:34:44.579	-0.4					T__						15124786	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.55	153.5	Pg	09:34:40.286	0.0					T__						15124787	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.55	153.5	Lg	09:34:48.388	-0.6					T__						15124788	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.64	83.2	Pg	09:34:41.532	0.3					T__						15124789	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.64	83.2	Lg	09:34:50.742	-0.1					T__						15124790	FDSN	SK	--	BUD	iLoc	EHN	???	_
A335A	0.80	273.0	Pg	09:34:44.279	-0.1					T__						15124791	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.80	273.0	Lg	09:34:55.253	-0.7					T__						15124792	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.88	243.7	Pn	09:34:46.408	0.0					T__						15124793	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.88	243.7	Lg	09:34:59.394	0.4					T__						15124794	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
2018/07/12	09:44:39.15	1.17	0.55	48.6201	20.7295	8.4	4.2	161	0.0S	12	6	154	0.21	1.26	m	kx	BUD	15124753	iLoc		228	

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15124753

Sta	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	229.9	Pg	09:44:43.789	0.2					T__						15124755	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	229.9	Lg	09:44:46.791	-0.2					T__						15124756	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	229.9	Lg	09:44:47.800	0.8					T__		1.4				15124757	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.47	133.5	Pg	09:44:49.096	0.4					T__						15124758	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.47	133.5	Lg	09:44:55.935	-0.7					T__						15124759	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	59.5	Pg	09:44:50.600	0.7					T__		0.0				15124760	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.56	59.5	Lg	09:44:58.500	-0.7					T__		0.0				15124761	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.90	218.8	Pn	09:44:58.294	-0.0					T__						15124762	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	218.8	Lg	09:45:11.604	-0.3					T__						15124763	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.22	252.1	Lg	09:45:20.829	-0.4					T__						15124764	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.26	265.0	Pg	09:45:04.395	0.1					T__						15124765	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	265.0	Sn	09:45:22.083	-0.2					T__						15124766	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
 2018/07/12 11:59:40.50 1.13 0.57 48.3062 19.9000 5.4 4.8 179 0.0S 12 8 90 0.39 1.58 m kx BUD 15124767 iLoc 164
 (description : known quarry blast)
 (locality : Husina Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.9 5 BUD 15124767

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.39	180.6	Pg	11:59:49.720	0.6					T__						15124769	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.39	180.6	Lg	11:59:55.190	-0.4					T__						15124770	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.43	65.4	Pg	11:59:49.201	0.0					T__						15124771	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	0.61	263.4	Pg	11:59:52.887	0.1					T__						15124772	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.61	263.4	Lg	12:00:00.752	-1.0					T__						15124773	FDSN	Z3	00	BUD	iLoc	HH2	???	_
LANS	0.89	341.5	Pg	11:59:58.722	0.7					T__						15124774	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.89	341.5	Lg	12:00:10.943	-0.2					T__						15124775	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.89	90.1	Lg	12:00:12.294	-0.6					T__						15124776	FDSN	HU	--	BUD	iLoc	HHE	???	_
A338A	1.08	254.9	Pn	12:00:01.701	-0.1					T__						15124777	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.08	254.9	Lg	12:00:17.661	-0.1					T__						15124778	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A337A	1.41	268.3	Sn	12:00:26.599	0.2					T__						15124779	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	1.58	291.3	Lg	12:00:33.794	-0.6					T__						15124780	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
 2018/07/13 08:02:03.40 1.66 0.79 48.6787 20.6592 18.7 4.7 141 0.0S 8 5 212 0.23 1.10 m kx BUD 15124795 iLoc 221
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.1 3 BUD 15124795

Sta	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	210.6	Pg	08:02:08.213	0.1					T__	15.2	55.5		MLv	1.7	15124797	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.23	210.6	Lg	08:02:12.321	0.6					T__						15124798	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.7 1																									
ABAH	0.54	134.5	Pg	08:02:14.823	0.5					T__	2.3	4.6		MLv	1.5	15124799	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.5 1																									
CRVS	0.58	66.8	Pg	08:02:15.200	0.8					T__		0.0				15124800	FDSN	IR	--	ISC	iLoc	???	???	_	
CRVS	0.58	66.8	Lg	08:02:23.300	-0.6					T__		0.0				15124801	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	0.92	214.2	Pn	08:02:22.738	-0.1					T__	2.0	3.1		MLv	1.5	15124802	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.92	214.2	Lg	08:02:35.975	-0.9					T__						15124803	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.5 1																									
KOLS	1.10	76.0	Lg	08:02:40.978	-0.9					T__						15124804	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
 2018/07/13 08:57:57.26 1.26 1.23 47.2170 18.2560 8.2 4.5 87 0.0S 10 7 96 0.15 1.31 m kx BUD 15124820 iLoc 159
 2018/07/13 08:57:57.18f 1.13 47.2302 18.2835f 0.0S 10 97 0.13 1.29 m kx BUD_GT 15135665 BUD 161
 (locality : Iszkaszentgyörgy Hungary)
 (description : known quarry blast)

(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
M 1.7 4 BUD 15135665

Sta	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	08:58:01.406	0.9					T__						15138137	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	08:58:03.345	0.1					T__						15138138	FDSN	HU	--	BUD	BUD	HHE	???	_
A267A	0.31	154.4	Pg	08:58:04.800	0.9					T__						15138139	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A267A	0.31	154.4	Lg	08:58:08.968	-0.2					T__						15138140	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	08:58:08.538	0.7					T__						15138141	FDSN	HU	--	BUD	BUD	BHZ	???	_
A265A	0.87	202.8	Lg	08:58:25.045	-3.1					T__						15138142	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	1.04	166.1	Lg	08:58:33.137	-0.6					T__						15138143	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Pg	08:58:21.071	0.7					T__						15138144	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	1.15	186.4	Sn	08:58:37.119	-0.1					T__						15138145	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	1.29	57.1	Sn	08:58:40.650	-0.3					T__						15138146	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
2018/07/13	09:46:56.91	1.02	1.50	47.8475	19.9840	4.7	4.4	165	0.0S		22	15	51	0.09	1.87	m	kx BUD	15124832	iLoc			100
2018/07/13	09:46:57.66f		1.53	47.8987	20.0893f				0.0S		22		56	0.13	1.95	m	kx BUD_GT	15135670	BUD			106

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

Magnitude Err Nsta Author OrigID
M 2.2 6 BUD 15135670

Sta	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	09:47:00.221	-0.9					T__						15138147	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.13	278.6	Lg	09:47:02.104	-1.8					T__						15138148	FDSN	GE	--	BUD	BUD	BHZ	???	_
BSZH	0.61	168.6	Lg	09:47:20.526	-1.0					T__						15138149	FDSN	HU	--	BUD	BUD	HHN	???	_
A336A	0.80	295.0	Pn	09:47:14.812	-0.3					T__						15138151	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.80	295.0	Lg	09:47:26.213	0.4					T__						15138152	FDSN	Z3	00	BUD	BUD	HH3	???	_
BUD	0.83	240.4	Lg	09:47:25.564	-2.5					T__						15138150	FDSN	HU	--	BUD	BUD	BHN	???	_
ABAH	0.87	62.3	Lg	09:47:27.498	-1.7					T__						15138153	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	1.03	305.9	Pg	09:47:17.218	-1.1					T__						15138154	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Lg	09:47:30.348	-3.1					T__						15138155	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	1.30	295.7	Pg	09:47:23.671	0.2					T__						15138156	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A335A	1.30	295.7	Sn	09:47:40.209	-0.8					T__						15138157	FDSN	Z3	00	BUD	BUD	HHE	???	_
LANS	1.32	342.0	Pg	09:47:23.376	-0.1					T__						15138159	FDSN	SK	--	BUD	BUD	EHZ	???	_
LANS	1.32	342.0	Sn	09:47:40.323	-2.0					T__						15138160	FDSN	SK	--	BUD	BUD	EHZ	???	_
LTVH	1.33	112.1	Sn	09:47:43.071	0.8					T__						15138161	FDSN	HU	--	BUD	BUD	HHN	???	_
CSKK	1.35	247.2	Sn	09:47:42.358	0.0					T__						15138158	FDSN	HU	--	BUD	BUD	HHN	???	_
CRVS	1.36	41.8	Pn	09:47:25.666	2.3					T__						15138163	FDSN	SK	--	BUD	BUD	HHZ	???	_
CRVS	1.36	41.8	Sn	09:47:43.834	0.1					T__						15138164	FDSN	SK	--	BUD	BUD	HHN	???	_
A332A	1.41	310.5	Sn	09:47:42.885	-1.2					T__						15138162	FDSN	Z3	00	BUD	BUD	HHE	???	_
NIE	1.53	5.5	Pg	09:47:28.262	1.9					T__						15138165	FDSN	PL	--	BUD	BUD	BHZ	???	_
NIE	1.53	5.5	Lg	09:47:49.330	0.8					T__						15138166	FDSN	PL	--	BUD	BUD	BHN	???	_
MPLH	1.88	248.1	Pn	09:47:31.519	1.2					T__						15138167	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.95	210.9	Sn	09:47:59.865	2.9					T__						15138168	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
2018/07/13	11:14:21.86	1.21	1.09	47.3421	17.6432	5.1	4.7	42	0.0S	14	10	97	0.19	1.45	m	sx	BUD	15124856	iLoc			150
(description : suspected quarry blast)																						
(locality : Ugod Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	3 BUD	15124856

Sta	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	202.4	Pg	11:14:26.076	-0.1					T__	41.4	75.3		---	MLv	1.7	15124858	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.19	202.4	Lg	11:14:29.098	-0.4					T__				---		15124859	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MPLH	0.19	202.4	Lg	11:14:29.300	-0.4					T__		0.8		---		15124860	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.7 1																									
EGYH	0.22	289.4	Pg	11:14:27.169	0.2					T__	16.3	126.3		---	MLv	2.0	15124861	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
EGYH	0.22	289.4	Lg	11:14:31.711	0.8					T__				---		15124862	FDSN	HU	--	BUD	iLoc	HHN	???	_	
EGYH	0.22	289.6	Lg	11:14:40.800	9.8					---		1.3		---		15124863	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.0 1																									
CSKK	0.42	86.9	Lg	11:14:38.078	0.6					T__				---		15124864	FDSN	HU	--	BUD	iLoc	HHN	???	_	
TIH	0.47	159.2	Lg	11:14:39.027	-0.1					T__				---		15124865	FDSN	HU	--	BUD	iLoc	HHE	???	_	
KOVH	1.29	165.8	Pg	11:14:49.863	2.0					T__	3.7	4.4		---	MLv	1.9	15124866	FDSN	HU	--	BUD	iLoc	BHN	BHZ	_
KOVH	1.29	165.8	Sn	11:15:04.726	-0.9					T__				---		15124867	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.9 1																									
KOGS	1.31	227.4	Lg	11:15:07.306	0.9					T__				---		15124868	FDSN	SL	--	BUD	iLoc	BHE	???	_	
MORH	1.32	148.2	Sn	11:15:03.612	-2.4					T__				---		15124869	FDSN	HU	--	BUD	iLoc	BHE	???	_	
CONA	1.34	296.6	Sn	11:15:06.542	-0.3					T__				---		15124870	FDSN	OE	--	BUD	iLoc	BHE	???	_	
VYHS	1.40	34.4	Lg	11:15:09.356	-0.5					T__				---		15124871	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ARSA	1.45	267.1	Lg	11:15:10.602	-0.1					T__				---		15124872	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			
2018/07/13	20:39:56.60	0.05	0.10	47.8255	16.2472	0.4	0.2	292	7.0F	0.5	21	115	0.25	1.50	a	ke	IPEC	15107701	ISC				360		
2018/07/13	20:39:58.00			47.8800	16.2400				1.0A		14					a	ke	PRU	15107708	ISC				360	
2018/07/13	20:39:56.75	0.13	0.59	47.8172	16.2613	0.8	0.7	136	7.5F	1.2	31	6	0.12	1.77	a	ke	VIE	15107704	ISC					360	
2018/07/13	20:39:56.58	0.99	0.74	47.8188	16.2404	3.1	3.1	24	9.4F	5.1	46	25	44	0.12	2.20	m	ke	BUD	15124888	iLoc					67

Magnitude	Err	Nsta	Author	OrigID
ML	1.4		IPEC	15107701
mb	1.3		VIE	15107704
m1	1.7		VIE	15107704
M	1.5	9	BUD	15124888

Sta	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	162.4	Pg	20:39:59.510	-0.3					T__		10.7	0.26	---		15124890	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.12	162.4	Lg	20:40:01.434	-0.9					T__		64.5	0.14	---		15124891	FDSN	IR	--	ISC	iLoc	???	???	_
A004A	0.18	36.1	Pg	20:40:00.841	0.2					T__				---		15124892	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A004A	0.18	36.1	Lg	20:40:04.565	1.0					T__				---		15124893	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SOP	0.25	122.2	Pg	20:40:01.820	-0.2					T__				---		15124894	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.25	122.2	Lg	20:40:05.144	-1.0					T__				---		15124895	FDSN	HU	--	BUD	iLoc	BHN	???	_
CONA	0.28	293.4	Pg	20:40:02.120	-0.4					T__				---		15124896	FDSN	OE	--	BUD	iLoc	BHZ	???	_

CONA	0.28	293.4	Lg	20:40:06.622	-0.5	T__	---	15124897	FDSN	OE	--	BUD	iLoc	BHN	???	_
AO11B	0.45	205.0	Pg	20:40:05.754	0.0	T__	---	15124898	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO11B	0.45	205.0	Lg	20:40:11.573	-0.9	T__	---	15124899	FDSN	Z3	00	BUD	iLoc	HH2	???	_
AO12A	0.49	244.3	Pg	20:40:06.609	-0.0	T__	---	15124900	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO12A	0.49	244.3	Lg	20:40:14.407	0.2	T__	---	15124901	FDSN	Z3	00	BUD	iLoc	HH2	???	_
AO03A	0.55	95.9	Lg	20:40:15.940	0.0	T__	---	15124902	FDSN	Z3	00	BUD	iLoc	HH2	???	_
AO05B	0.55	357.6	Lg	20:40:15.479	-0.1	T__	---	15124903	FDSN	Z3	00	BUD	iLoc	HHN	???	_
AO13A	0.61	293.9	Pg	20:40:08.864	0.3	T__	---	15124904	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO13A	0.61	293.9	Lg	20:40:17.683	0.2	T__	---	15124905	FDSN	Z3	00	BUD	iLoc	HHE	???	_
AO08A	0.68	324.6	Pg	20:40:09.859	0.1	T__	---	15124906	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO08A	0.68	324.6	Lg	20:40:18.961	-0.3	T__	---	15124907	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ARSA	0.75	220.8	Pg	20:40:11.199	-0.0	T__	---	15124908	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.75	220.8	Lg	20:40:21.700	-0.1	T__	0.4 0.14	15124909	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.75	220.8	Pg	20:40:11.084	-0.1	T__	3.1 0.28	15124910	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	0.75	220.8	Lg	20:40:22.040	0.3	T__	---	15124911	FDSN	OE	--	BUD	iLoc	BHE	???	_
EGYH	0.84	118.2	Sn	20:40:26.185	-0.6	T__	---	15124912	FDSN	HU	--	BUD	iLoc	HHN	???	_
AO19A	0.87	244.9	Lg	20:40:25.677	-0.3	T__	---	15124913	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MODS	0.89	51.0	Lg	20:40:25.739	-0.8	T__	---	15124914	FDSN	SK	--	BUD	iLoc	HHN	???	_
AO01A	0.94	14.3	Pg	20:40:15.208	0.4	T__	---	15124915	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO01A	0.94	14.3	Sn	20:40:28.885	-0.3	T__	---	15124916	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A261A	1.06	144.2	Lg	20:40:33.420	0.9	T__	---	15124917	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.09	125.9	Lg	20:40:33.220	0.0	T__	---	15124918	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	1.25	4.7	Sn	20:40:35.700	-0.9	T__	6.0 0.29	15124919	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.25	4.7	Pn	20:40:19.552	0.4	T__	---	15124920	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.25	4.7	Sn	20:40:36.217	-0.3	T__	---	15124921	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MOA	1.33	272.1	Pg	20:40:21.807	-0.6	T__	0.5 0.26	15124922	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.33	272.1	Lg	20:40:40.489	-0.0	T__	1.1 0.22	15124923	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.51	8.8	Pn	20:40:23.300	0.5	T__	---	15124924	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.51	8.8	Sn	20:40:42.200	-0.6	T__	1.8 0.26	15124925	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.51	8.8	Sn	20:40:42.300	-0.6	T__	---	15124926	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.51	8.8	Pn	20:40:23.408	0.6	T__	---	15124927	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.51	8.8	Sn	20:40:43.181	0.3	T__	---	15124928	FDSN	CZ	--	BUD	iLoc	BHE	???	_
TREC	1.56	341.6	Lg	20:40:45.997	-0.7	T__	---	15124929	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CKRC	1.63	308.6	Lg	20:40:48.230	-0.9	T__	---	15124930	FDSN	CZ	--	BUD	iLoc	BHE	???	_
BIOA	1.76	266.8	Pg	20:40:29.518	-1.3	T__	0.4 0.22	15124931	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.76	266.8	Sn	20:40:51.558	1.9	T__	1.3 0.30	15124932	FDSN	IR	--	ISC	iLoc	???	???	_
ZVC	2.12	320.8	Lg	20:41:02.100	-2.0	T__	---	15124933	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.20	307.5	Sn	20:41:01.900	1.6	T__	---	15124934	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.20	307.5	Lg	20:41:06.800	-0.4	T__	---	15124935	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
 2018/07/16 08:16:10.10 1.55 1.07 48.5174 20.7625 9.9 5.0 172 0.0S 7 4 150 0.19 0.83 m sx BUD 15124936 iLoc 225
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.4 3 BUD 15124936

Sta	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	259.6	Pg	08:16:14.228	0.2					T__						15124938	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	259.6	Lg	08:16:18.177	1.0					T__						15124939	FDSN	SK	--	BUD	iLoc	EHN	???	_

ABAH	0.39	124.7	Pg	08:16:18.798	0.7					T__						15124940	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.39	124.7	Lg	08:16:24.499	-0.3					T__						15124941	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.60	50.0	Pg	08:16:21.400	-0.2				0.0	T__						15124942	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.83	224.4	Pg	08:16:27.920	0.2					T__						15124943	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.83	224.4	Lg	08:16:39.062	-1.7					T__						15124944	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
2018/07/16	08:27:24.23	0.78	0.86	47.6086	16.5084	5.1	2.8	121	0.0F	0.0	20		4	0.17	0.76	a	sx VIE	15107755	ISC			360
2018/07/16	08:27:25.83	1.24	0.88	47.6166	16.3824	8.3	5.3	128	0.0S		12	6	177	0.10	1.45	m	sx BUD	15124945	iLoc			251

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ml	1.6		VIE	15107755
MLv	1.4	0.2	2 BUD	15124945

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
RONA	0.10	325.0	Pg	08:27:28.542	0.3					T__		5.1	0.14	---		15124947	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	0.10	325.0	Lg	08:27:30.747	0.6					T__		83.2	0.26	---		15124948	FDSN	IR	--	ISC	iLoc	???	???	_	
SOP	0.14	60.6	Lg	08:27:31.286	-0.1					T__				---		15124949	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
CONA	0.47	311.8	Pg	08:27:35.960	0.6					T__	4.0	5.0		---	MLv	1.3	15124950	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.47	311.8	Lg	08:27:42.507	0.1					T__				---		15124951	FDSN	OE	--	BUD	iLoc	BHE	???	_	
CONA	0.47	311.8	Pg	08:27:35.309	-0.0					T__		0.5	0.18	---		15124952	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	0.69	238.2	Lg	08:27:48.104	-0.9					T__		3.1	0.24	---		15124953	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	0.69	238.2	Pg	08:27:40.541	1.3					T__	3.7	4.9		---	MLv	1.6	15124954	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	0.69	238.2	Lg	08:27:47.463	-1.6					T__				---		15124955	FDSN	OE	--	BUD	iLoc	BHE	???	_	
MODS	0.97	38.1	Pn	08:27:45.742	-0.1					T__				---		15124956	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.97	38.1	Sn	08:28:01.114	-0.2					T__				---		15124957	FDSN	SK	--	BUD	iLoc	HHE	???	_	
KRUC	1.45	0.3	Lg	08:28:12.822	-0.9					T__				---		15124958	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
2018/07/16	10:28:00.53	0.99	1.09	48.1972	21.2491	5.1	4.5	20	0.0S		16	8	81	0.10	1.95	m	kx BUD	15124971	iLoc			128
2018/07/16	10:28:00.44f		1.07	48.2470	21.2460f				0.0S		16		78	0.05	2.00	m	kx BUD_GT	15137037	BUD			123

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

Magnitude	Err	Nsta	Author	OrigID
M	2.0		6 BUD	15137037

Sta	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	10:28:02.441	0.4					T__				---		15138169	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	10:28:04.120	0.7					T__				---		15138170	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	10:28:12.304	0.6					T__				---		15138171	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	10:28:20.532	0.3					T__				---		15138172	FDSN	SK	--	BUD	BUD	EHN	???	_
CRVS	0.67	12.2	Pg	10:28:15.048	1.8					T__				---		15138173	FDSN	SK	--	BUD	BUD	HHZ	???	_
TRPA	0.87	97.2	Pg	10:28:16.602	-0.8					T__				---		15138174	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	10:28:31.479	-0.8					T__				---		15138175	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Pg	10:28:20.789	0.1					T__				---		15138176	FDSN	GE	--	BUD	BUD	BHZ	???	_

PSZ	0.96	250.6	Lg	10:28:34.712	-1.0	T__	---	15138177	FDSN	GE	--	BUD	BUD	BHE	???	_
KOLS	0.97	44.4	Pn	10:28:20.312	-0.7	T__	---	15138178	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	10:28:35.500	0.9	T__	---	15138179	FDSN	SK	--	BUD	BUD	HHE	???	_
DRGR	1.76	145.2	Pn	10:28:32.985	0.9	T__	---	15138180	FDSN	RO	--	BUD	BUD	BHZ	???	_
DRGR	1.76	145.2	Sn	10:28:54.286	-2.2	T__	---	15138181	FDSN	RO	--	BUD	BUD	BHZ	???	_
SIRR	2.00	171.7	Pn	10:28:33.838	-1.3	T__	---	15138182	FDSN	RO	--	BUD	BUD	BHZ	???	_
SIRR	2.00	171.7	Pg	10:28:39.156	-1.1	T__	---	15138183	FDSN	RO	--	BUD	BUD	BHZ	???	_
SIRR	2.00	171.7	Sn	10:29:03.144	1.3	T__	---	15138184	FDSN	RO	--	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
2018/07/16	10:56:42.00	5.39	0.60	48.2087	21.2472	33.6	11.8	144	0.0S	4	3	284	0.09	1.63	m	kx	BUD	15124989	iLoc			342
2018/07/16	10:56:42.70f		0.55	48.2470	21.2460f				0.0S	4		284	0.05	1.63	m	kx	BUD_GT	15137040	BUD			344

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

Magnitude	Err	Nsta	Author	OrigID
M	2.3	1	BUD	15137040

Sta	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	10:56:44.500	0.2					T__						15138185	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	10:56:46.162	0.5					T__						15138186	FDSN	HU	--	BUD	BUD	HNN	???	_
KECS	0.56	295.3	Lg	10:57:02.711	0.2					T__						15138187	FDSN	SK	--	BUD	BUD	EHN	???	_
VYHS	1.63	279.6	Sn	10:57:34.425	-1.0					T__						15138188	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	
2018/07/16	18:26:27.10	0.05	0.11	47.8219	16.2365	0.4	0.3	288	6.2F	0.7	18		113	0.26	1.51	a	ke	IPEC	15107770	ISC			360
2018/07/16	18:26:29.20			47.9200	16.0400				0.0A		9					a	ke	PRU	15107773	ISC			360
2018/07/16	18:26:27.20	0.14	0.46	47.8344	16.2607	1.0	0.8	140	6.9F	1.5	33		3	0.14	1.77	a	ke	VIE	15107775	ISC			360
2018/07/16	18:26:27.50	0.99	1.02	47.8232	16.2750	3.7	2.9	138	9.2F	5.5	42	22	46	0.12	2.45	m	ke	BUD	15124995	iLoc			70

Magnitude	Err	Nsta	Author	OrigID
ML	1.5		IPEC	15107770
mb	1.4		VIE	15107775
m1	1.8		VIE	15107775
M	1.6	8	BUD	15124995

Sta	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	173.4	Pg	18:26:30.069	-0.7					T__		15.6	0.08	---		15124997	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.12	173.4	Lg	18:26:32.063	-1.2					T__		58.9	0.12	---		15124998	FDSN	IR	--	ISC	iLoc	???	???	_
A004A	0.16	30.3	Pg	18:26:31.539	0.3					T__				---		15124999	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A004A	0.16	30.3	Lg	18:26:35.036	1.1					T__				---		15125000	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SOP	0.24	126.1	Pg	18:26:32.328	-0.3					T__				---		15125001	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.24	126.1	Lg	18:26:35.661	-0.8					T__				---		15125002	FDSN	HU	--	BUD	iLoc	BHN	???	_
A011B	0.47	207.4	Pg	18:26:36.330	-0.6					T__				---		15125003	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.47	207.4	Lg	18:26:42.336	-1.6					T__				---		15125004	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A012A	0.51	245.0	Pg	18:26:37.114	-0.9					T__				---		15125005	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	0.51	245.0	Lg	18:26:45.376	-0.5					T__				---		15125006	FDSN	Z3	00	BUD	iLoc	HH2	???	_

A003A	0.53	96.7	Pg	18:26:38.295	-0.0	T__									15125007	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.53	96.7	Lg	18:26:46.365	0.2	T__									15125008	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A005B	0.55	355.2	Lg	18:26:46.581	0.2	T__									15125009	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A013A	0.63	292.7	Pg	18:26:39.744	-0.1	T__									15125010	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.63	292.7	Lg	18:26:48.271	-0.7	T__									15125011	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ZST	0.67	55.8	Lg	18:26:49.046	-1.4	T__									15125012	FDSN	SK	--	BUD	iLoc	HHN	???	_
A008A	0.69	322.8	Pg	18:26:40.540	-0.3	T__									15125013	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A008A	0.69	322.8	Lg	18:26:49.562	-1.0	T__									15125014	FDSN	Z3	00	BUD	iLoc	HH3	???	_
ARSA	0.77	221.9	Pg	18:26:41.719	-0.8	T__				0.3	0.12				15125015	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.77	221.9	Lg	18:26:52.432	-0.9	T__				1.3	0.12				15125016	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.77	221.9	Pg	18:26:42.125	-0.4	T__									15125017	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.77	221.9	Lg	18:26:52.659	-0.7	T__									15125018	FDSN	OE	--	BUD	iLoc	BHN	???	_
MODS	0.87	50.3	Pg	18:26:44.593	-0.3	T__									15125019	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.87	50.3	Lg	18:26:55.585	-1.3	T__									15125020	FDSN	SK	--	BUD	iLoc	HHE	???	_
A019A	0.89	245.3	Lg	18:26:57.139	-0.5	T__									15125021	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MPLH	1.08	126.8	Sn	18:27:04.516	1.0	T__									15125022	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	1.24	3.6	Sn	18:27:06.400	-1.0	T__				5.9	0.30				15125023	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.24	3.6	Pn	18:26:50.013	0.0	T__									15125024	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.24	3.6	Sn	18:27:06.883	-0.5	T__									15125025	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MOA	1.35	271.9	Sn	18:27:10.950	0.3	T__				0.2	0.08				15125026	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	1.38	180.7	Lg	18:27:14.618	1.3	T__									15125027	FDSN	SL	--	BUD	iLoc	BHN	???	_
VRAC	1.50	8.0	Pn	18:26:53.800	0.2	T__									15125028	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.50	8.0	Pg	18:26:53.900	-2.0	T__									15125029	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.50	8.0	Sn	18:27:13.100	-0.5	T__				2.6	0.28				15125030	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.50	8.0	Pn	18:26:54.015	0.4	T__									15125031	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.50	8.0	Sn	18:27:13.608	-0.0	T__									15125032	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.65	308.0	Sn	18:27:19.089	1.5	T__									15125033	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.65	308.0	Sn	18:27:18.100	0.4	T__				2.6	0.30				15125034	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.78	266.7	Pn	18:26:59.087	1.4	T__				0.6	0.18				15125035	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.78	266.7	Sn	18:27:21.796	0.6	T__									15125036	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.22	307.1	Sn	18:27:32.500	0.8	T__				1.1	0.60				15125037	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.45	332.8	Sn	18:27:40.400	3.3	T__				3.1	0.80				15125038	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
 2018/07/17 08:03:03.03 1.12 0.74 48.4185 19.1660 7.9 4.1 35 0.0S 15 8 135 0.22 1.26 m kx BUD 15125039 iLoc 185

(locality : Hanisberg Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15125039

Sta	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	0.22	211.1	Pg	08:03:07.903	0.3					T__						15125041	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.22	211.1	Lg	08:03:10.945	-0.0					T__						15125042	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.23	289.1	Pg	08:03:07.624	-0.3					T__						15125043	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.23	289.1	Lg	08:03:13.292	1.8					T__						15125044	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.55	273.3	Lg	08:03:21.139	-1.4					T__						15125045	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A332A	0.60	309.9	Lg	08:03:24.373	0.4					T__						15125046	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.70	135.5	Pg	08:03:17.561	-0.3					T__						15125047	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.70	135.5	Lg	08:03:28.542	-0.4					T__						15125048	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.88	85.3	Sn	08:03:36.613	0.4					T__						15125049	FDSN	SK	--	BUD	iLoc	EHE	???	_

JAVC	1.09	294.5	Pn	08:03:25.063	0.3	T__	---	15125050	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.09	294.5	Lg	08:03:40.116	-0.3	T__	---	15125051	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.09	294.5	Pg	08:03:24.300	-0.4	T__	---	15125052	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.09	294.5	Lg	08:03:39.800	-0.6	T__	---	15125053	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	1.26	268.6	Pg	08:03:27.815	-0.4	T__	---	15125054	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.26	268.6	Sn	08:03:45.534	0.0	T__	---	15125055	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
 2018/07/17 12:00:08.85 1.34 0.62 48.3982 17.2495 5.9 4.7 100 0.0S 10 6 112 0.03 1.39 m kx BUD 15125056 iLoc 182
 (description : known quarry blast)
 (locality : Rohoznik Slovakia)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.1 3 BUD 15125056

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.03	144.0	Pg	12:00:09.752	-0.4					T__						15125058	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.03	144.0	Lg	12:00:12.038	0.7					T__						15125059	FDSN	SK	--	BUD	iLoc	HHN	???	_	
JAVC	0.54	31.0	Pg	12:00:19.544	-0.4					T__	8.4	16.5			MLv	2.0	15125060	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.54	31.0	Lg	12:00:28.633	0.5					T__						15125061	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
(Station ML : 2.0 1																									
SOP	0.85	213.2	Lg	12:00:38.145	-0.2					T__						15125062	FDSN	HU	--	BUD	iLoc	BHE	???	_	
KRUC	0.87	319.9	Pg	12:00:25.993	0.6					T__	1.7	3.1			MLv	1.5	15125063	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
KRUC	0.87	319.9	Lg	12:00:36.751	-1.1					T__						15125064	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
(Station ML : 1.5 1																									
CONA	1.04	243.7	Pg	12:00:29.645	0.1					T__	2.1	3.0			MLv	1.6	15125065	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	1.04	243.7	Lg	12:00:44.842	-0.1					T__						15125066	FDSN	OE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1																									
MORC	1.39	7.8	Lg	12:00:54.270	0.3					T__						15125067	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
 2018/07/18 07:40:19.60 1.11 0.89 48.5509 20.7739 7.6 4.4 175 0.0S 12 8 106 0.20 1.25 m kx BUD 15125081 iLoc 156
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.8 7 BUD 15125081

Sta	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	250.6	Pg	07:40:24.130	0.3					T__						15125083	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	250.6	Lg	07:40:28.244	1.1					T__						15125084	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.40	129.2	Pg	07:40:28.499	0.7					T__						15125085	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	129.2	Lg	07:40:34.278	-0.5					T__						15125086	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.58	52.1	Pg	07:40:30.879	0.2					T__						15125087	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.86	223.2	Pg	07:40:37.595	-0.2					T__						15125088	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	223.2	Lg	07:40:51.307	0.1					T__						15125089	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.05	305.3	Pg	07:40:39.867	-0.3					T__						15125090	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KOLS	1.06	68.3	Pn	07:40:42.238	0.9					T__						15125091	FDSN	SK	--	BUD	iLoc	HHZ	???	_

A336A	1.22	255.6	Pg	07:40:44.251	0.1	T__	---	15125092	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.22	255.6	Lg	07:41:01.468	-0.6	T__	---	15125093	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.25	109.0	Sn	07:41:01.113	-2.0	T__	---	15125094	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
2018/07/18	07:53:45.67	1.98	0.51	47.8974	19.4055	22.4	7.7	20	0.0S	5	3	241	0.33	1.29	m	kx	BUD	15125095	iLoc			345
2018/07/18	07:53:45.62f		0.33	47.8920	19.4049f				0.0S	5		242	0.33	1.29	m	kx	BUD_GT	15137043	BUD			345

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

Magnitude	Err	Nsta	Author	OrigID
M	1.1	2	BUD	15137043

Sta	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	85.2	Pg	07:53:53.335	0.3					T__						15138189	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.33	85.2	Lg	07:53:58.182	-0.6					T__						15138190	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	0.71	327.9	Pn	07:54:01.922	-0.0					T__						15138191	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.71	327.9	Lg	07:54:10.335	-0.3					T__						15138192	FDSN	SK	--	BUD	BUD	HHN	???	_
ABAH	1.29	71.1	Lg	07:54:32.181	0.2					T__						15138193	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	
2018/07/18	09:38:36.42	0.47	0.57	46.9814	22.2888	3.7	2.1	138	6.0F	3.3	17		198	0.35	1.62	a	ke	BUC	15107826	ISC			360
2018/07/18	09:38:35.12	0.95	1.12	47.0055	22.2714	5.2	2.9	125	0.0S		42	12	159	0.37	2.09	m	sx	BUD	15125102	iLoc			200

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

Magnitude	Err	Nsta	Author	OrigID
ml	1.6		BUC	15107826
M	1.9	7	BUD	15125102

Sta	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	0.37	125.2	Pg	09:38:43.394	0.6					T__						15125104	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.37	125.2	Lg	09:38:48.584	-0.6					T__						15125105	FDSN	RO	--	BUD	iLoc	BHN	???	_
MESR	0.49	72.4	Pg	09:38:45.135	0.2					T__						15125106	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.49	72.4	Pg	09:38:45.135	0.2					T__		0.2				15125107	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.49	72.4	Lg	09:38:52.475	-0.8					T__		0.2				15125108	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.67	119.2	Pg	09:38:49.008	0.4					T__						15125109	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.67	119.2	Pg	09:38:49.008	0.4					T__						15125110	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.67	119.2	Lg	09:38:56.931	-2.5					T__						15125111	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	209.9	Pg	09:38:52.824	0.3					T__						15125112	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	209.9	Pg	09:38:52.824	0.3					T__						15125113	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	209.9	Lg	09:39:04.200	-1.3					T__						15125114	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	209.7	Pg	09:38:53.165	0.6					T__						15125115	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.85	209.7	Lg	09:39:04.462	-1.1					T__						15125116	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.96	107.3	Pg	09:38:54.600	0.7					T__		0.3				15125117	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	107.3	Pg	09:38:54.705	0.8					T__						15125118	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.96	107.3	Lg	09:39:07.800	-1.1					T__		0.3				15125119	FDSN	IR	--	ISC	iLoc	???	???	_

CJR	0.96	107.3	Sg	09:39:08.638	-0.2	T__	0.1	---	15125120	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	50.9	Pg	09:38:56.206	0.2	T__		---	15125121	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BMR	1.07	50.8	Pn	09:38:57.900	0.9	T__	0.2	---	15125122	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	50.8	Lg	09:39:11.561	-1.8	T__		---	15125123	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	50.8	Lg	09:39:11.561	-1.8	T__	0.1	---	15125124	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	50.8	Sg	09:39:13.300	-0.1	T__	0.2	---	15125125	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	1.14	9.1	Pg	09:38:58.050	0.7	T__		---	15125126	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.14	9.1	Sn	09:39:14.680	-1.2	T__		---	15125127	FDSN	HU	--	BUD	iLoc	BHN	???	_
SURR	1.26	184.7	Pg	09:38:59.902	0.4	T__		---	15125128	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	184.7	Pg	09:38:59.902	0.4	T__		---	15125129	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	184.7	Lg	09:39:16.441	-1.1	T__		---	15125130	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.45	197.7	Pn	09:39:02.746	1.0	T__		---	15125131	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.45	197.7	Sn	09:39:23.000	0.3	T__		---	15125132	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.46	198.3	Pn	09:39:02.900	1.1	T__	0.0	---	15125133	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.46	198.3	Pn	09:39:02.971	1.1	T__		---	15125134	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.46	198.3	Pn	09:39:02.971	1.1	T__		---	15125135	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.46	198.3	Sn	09:39:22.600	-0.3	T__	0.0	---	15125136	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.46	198.3	Lg	09:39:23.191	-2.6	T__		---	15125137	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	167.5	Pg	09:39:06.762	0.1	T__		---	15125138	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	167.5	Pg	09:39:06.762	0.1	T__		---	15125139	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	167.5	Pg	09:39:07.261	0.6	T__		---	15125140	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.65	167.5	Sn	09:39:27.358	-0.7	T__		---	15125141	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	167.5	Lg	09:39:29.300	-2.6	T__	0.0	---	15125142	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	167.5	Sn	09:39:29.871	1.8	T__		---	15125143	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.87	145.8	Sn	09:39:34.603	0.4	T__		---	15125144	FDSN	RO	--	BUD	iLoc	BHE	???	_
BURAR	2.09	71.2	Pn	09:39:13.229	1.4	T__		---	15125145	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
2018/07/18	10:00:08.74	1.31	0.46	48.1758	16.9341	21.6	4.9	149	0.0A		7	3	157	0.30	1.33	m	ke BUD	15125146	iLoc			183

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.5	3 BUD	15125146

Sta	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	49.1	Pg	10:00:15.367	0.0					T__						15125148	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.30	49.1	Lg	10:00:20.634	0.3					T__						15125149	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	0.76	251.4	Pn	10:00:24.956	-1.1					---	3.9	5.0		MLv	1.6	15125150	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.76	251.4	Lg	10:00:34.781	-0.5					T__						15125151	FDSN	OE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.6 1																								
VYHS	1.31	75.2	Pg	10:00:35.039	0.2					T__	3.4	0.9		MLv	1.2	15125152	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.31	75.2	Lg	10:00:52.761	-0.6					T__						15125153	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																								
ARSA	1.33	226.3	Pg	10:00:34.781	0.2					T__	4.1	5.3		MLv	2.0	15125154	FDSN	OE	--	BUD	iLoc	BHN	BHZ	_
ARSA	1.33	226.3	Sn	10:00:53.038	0.1					T__						15125155	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	
2018/07/20	05:41:51.29	3.23	1.31	48.1614	21.5237	24.5	7.4	157	0.0S		6	5	225	0.23	1.12	m	sx BUD	15125169	iLoc				262

(locality : Sárospatak Hungary)

(description : suspected quarry blast)

Magnitude Err Nsta Author OrigID

Sta	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	305.5	Pg	05:41:57.288	0.9					T__						15125171	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.23	305.5	Lg	05:41:59.989	-0.7					T__						15125172	FDSN	HU	--	BUD	iLoc	HHN	???	_
PODL	0.73	25.3	Lg	05:42:18.200	0.7					T__						15125173	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.76	295.3	Lg	05:42:17.473	-0.6					T__						15125174	FDSN	SK	--	BUD	iLoc	EHN	???	_
KOLS	0.92	32.5	Lg	05:42:22.182	-1.6					T__						15125175	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.12	258.1	Sn	05:42:31.149	-0.5					T__						15125176	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
2018/07/20	08:39:47.07	1.25	1.86	48.1146	21.2465	6.7	4.4	173	0.0S		13	8	115	0.18	1.66	m	kx	BUD	15125306	iLoc		169
2018/07/20	08:39:47.59f		1.77	48.2470	21.2460f				0.0S		13		105	0.05	1.76	m	kx	BUD_GT	15137046	BUD		153

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Tallya Hungary)

Magnitude Err Nsta Author OrigID

M 2.1 6 BUD 15137046

Sta	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	08:39:50.357	1.2					T__						15138194	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	08:39:52.510	1.9					T__						15138195	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Pg	08:40:00.041	1.2					T__						15138196	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	08:40:08.285	0.9					T__						15138197	FDSN	SK	--	BUD	BUD	EHN	???	_
CRVS	0.67	12.2	Pg	08:40:03.340	2.9					T__						15138198	FDSN	SK	--	BUD	BUD	HHZ	???	_
TRPA	0.87	97.2	Pg	08:40:02.520	-2.1					T__						15138199	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Pn	08:40:05.307	-2.5					T__						15138200	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	08:40:22.355	-0.5					T__						15138201	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	08:40:09.022	0.9					T__						15138202	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Sn	08:40:24.970	0.5					T__						15138203	FDSN	SK	--	BUD	BUD	HHN	???	_
BRIU	1.19	85.0	Pn	08:40:11.955	0.7					T__						15138204	FDSN	UA	--	BUD	BUD	MHZ	???	_
BRIU	1.19	85.0	Lg	08:40:26.409	-3.3					T__						15138205	FDSN	UA	--	BUD	BUD	MHZ	???	_
DRGR	1.76	145.2	Sn	08:40:42.389	-1.3					T__						15138206	FDSN	RO	--	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
2018/07/20	10:16:43.51	1.25	0.73	48.5791	20.8044	11.0	4.8	153	0.0S		8	5	158	0.23	1.25	m	kx	BUD	15125177	iLoc		239

(locality : Dvorniky-Vcelare Slovakia)

(description : known quarry blast)

Magnitude Err Nsta Author OrigID

M 1.7 4 BUD 15125177

Sta	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	245.8	Pg	10:16:48.448	0.1					T__						15125179	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	245.8	Lg	10:16:52.631	0.6					T__						15125180	FDSN	SK	--	BUD	iLoc	EHN	???	_

ABAH	0.41	134.2	Pg	10:16:52.125	0.3	T__									15125181	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.54	53.1	Pg	10:16:54.600	0.7	T__									15125182	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.54	53.1	Lg	10:17:01.800	-1.1	T__				0.0					15125183	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.90	223.0	Pn	10:17:02.774	0.0	T__									15125184	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	223.0	Lg	10:17:15.614	-0.7	T__									15125185	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.25	254.6	Pg	10:17:08.566	0.0	T__									15125186	FDSN	Z3	00	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
2018/07/22	02:54:59.60		0.40	46.8580	16.3140				6.2A							a	ke LJU	15107910	ISC			360
2018/07/22	02:54:59.44	0.34	0.53	46.8480	16.3513	2.6	1.0	123	13.0F	0.0	30		2	0.69	1.28	a	ke VIE	15107906	ISC			360
2018/07/22	02:54:59.57	0.90	0.58	46.8352	16.3392	2.8	2.5	99	11.6F	2.1	60	31	45	0.13	1.36	m	ke BUD	15125187	iLoc			62

Magnitude	Err	Nsta	Author	OrigID
ML	1.1		LJU	15107910
mb	1.8		VIE	15107906
m1	1.4		VIE	15107906
M	1.6	12	BUD	15125187

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A262A	0.13	77.3	Pg	02:55:03.153	0.1					T__						15125189	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.13	77.3	Lg	02:55:05.668	-0.0					T__						15125190	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A010A	0.30	323.3	Pg	02:55:06.580	0.8					T__						15125191	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.30	323.3	Lg	02:55:11.329	1.0					T__						15125192	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A021A	0.36	257.6	Pg	02:55:07.217	0.3					T__						15125193	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.36	257.6	Lg	02:55:12.488	0.3					T__						15125194	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOGS	0.39	189.0	Pg	02:55:08.031	0.3					T__						15125195	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.39	189.0	Lg	02:55:13.295	-0.4					T__						15125196	FDSN	SL	--	BUD	iLoc	BHN	???	_
KOGS	0.39	189.0	Pg	02:55:07.730	0.0					T__						15125197	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.39	189.0	Lg	02:55:13.680	-0.0					T__						15125198	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.39	189.0	IAML	02:55:18.010	-99.0					---	10.4	0.08				15125199	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.47	140.4	Pg	02:55:09.269	-0.2					T__						15125200	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.47	140.4	Lg	02:55:16.638	-0.0					T__						15125201	FDSN	HU	--	BUD	iLoc	BHN	???	_
A260A	0.51	29.1	Pg	02:55:10.160	0.1					T__						15125202	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	0.51	29.1	Lg	02:55:18.049	0.4					T__						15125203	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A261A	0.57	77.8	Pg	02:55:11.549	0.4					T__						15125204	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.57	77.8	Lg	02:55:20.269	0.7					T__						15125205	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A011B	0.63	335.8	Pg	02:55:11.914	-0.3					T__						15125206	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.63	335.8	Lg	02:55:19.970	-1.2					T__						15125207	FDSN	Z3	00	BUD	iLoc	HH3	???	_
GROS	0.69	237.3	Pg	02:55:12.960	-0.2					T__						15125208	FDSN	IR	--	ISC	iLoc	???	???	_
GROS	0.69	237.3	Lg	02:55:22.730	-0.3					T__						15125209	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.70	307.0	Pg	02:55:14.980	1.8					T__						15125210	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.70	307.0	Lg	02:55:21.889	-1.1					T__						15125211	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	0.70	307.0	Pg	02:55:13.026	-0.2					T__		0.1	0.08			15125212	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.70	307.0	Lg	02:55:22.882	-0.1					T__		5.3	0.22			15125213	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	0.70	105.8	Pg	02:55:14.288	0.6					T__						15125214	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.70	105.8	Lg	02:55:24.437	0.6					T__						15125215	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KALN	0.71	173.4	Pg	02:55:14.120	0.1					T__						15125216	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.71	173.4	Lg	02:55:24.090	-0.4					T__						15125217	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.86	9.9	Pn	02:55:16.400	-0.2					T__						15125218	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.86	9.9	Sn	02:55:29.488	-0.4					T__						15125219	FDSN	HU	--	BUD	iLoc	BHE	???	_
PERS	0.86	257.1	Lg	02:55:27.980	-0.2					T__						15125220	FDSN	IR	--	ISC	iLoc	???	???	_

RONA	0.87	358.1	Pn	02:55:16.363	-0.4	T__	0.6	0.10	---	15125221	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.87	358.1	Lg	02:55:28.099	-0.9	T__	1.1	0.12	---	15125222	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.89	67.4	Lg	02:55:29.489	-0.2	T__			---	15125223	FDSN	HU	--	BUD	iLoc	BHE	???	_
EGYH	0.89	49.0	Pg	02:55:17.985	0.6	T__			---	15125224	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.89	49.0	Sn	02:55:31.051	0.3	T__			---	15125225	FDSN	HU	--	BUD	iLoc	HHN	???	_
SOKA	0.91	260.5	Pn	02:55:17.521	0.1	T__	0.1	0.18	---	15125226	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	0.91	260.5	Lg	02:55:29.808	0.0	T__	0.2	0.06	---	15125227	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.91	221.5	Pg	02:55:16.750	-0.5	T__			---	15125228	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.96	211.2	Pg	02:55:18.410	0.0	T__			---	15125229	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.96	211.2	IAML	02:55:34.800	-99.0	---	4.5	0.19	---	15125230	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.96	195.6	Pg	02:55:19.174	0.7	T__			---	15125231	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.96	195.6	Lg	02:55:32.384	0.4	T__			---	15125232	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.96	195.6	Pn	02:55:18.360	-0.2	T__			---	15125233	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.96	195.6	Lg	02:55:31.100	-1.6	T__			---	15125234	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	1.04	193.7	Pg	02:55:20.400	0.5	T__			---	15125235	FDSN	IR	--	ISC	iLoc	???	???	_
A019A	1.05	306.0	Pg	02:55:21.017	0.9	T__			---	15125236	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	1.05	306.0	Sn	02:55:34.938	0.0	T__			---	15125237	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CESS	1.05	215.4	Sn	02:55:35.950	0.8	T__			---	15125238	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	1.13	218.9	Pg	02:55:22.290	0.8	T__			---	15125239	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.14	343.7	Pg	02:55:22.388	0.3	T__			---	15125240	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.14	343.7	Sn	02:55:36.797	-0.4	T__			---	15125241	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.14	343.7	Pg	02:55:21.594	-0.5	T__	0.5	0.18	---	15125242	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	1.18	211.5	Pg	02:55:22.979	0.6	T__			---	15125243	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.18	211.5	Lg	02:55:39.030	0.3	T__			---	15125244	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	1.18	211.5	IAML	02:55:40.690	-99.0	---	0.7	0.14	---	15125245	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	1.24	60.6	Sn	02:55:38.898	-0.2	T__			---	15125246	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MOSL	1.26	166.6	Pg	02:55:23.830	-0.5	T__			---	15125247	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.28	255.8	Lg	02:55:41.877	0.5	T__			---	15125248	FDSN	OE	--	BUD	iLoc	BHN	???	_
OBKA	1.28	255.8	Pg	02:55:23.903	0.0	T__	0.1	0.08	---	15125249	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.28	255.8	Lg	02:55:40.831	-0.5	T__	2.0	0.32	---	15125250	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	1.36	206.7	Pg	02:55:25.790	0.1	T__			---	15125251	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
 2018/07/23 08:02:36.41 1.95 0.48 48.5550 20.7475 17.7 7.6 9 0.0S 8 5 220 0.19 1.27 m kx BUD 15125252 iLoc 314

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

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15125252

Sta	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	247.7	Pg	08:02:40.449	0.1					T__						15125254	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	247.7	Lg	08:02:44.076	0.6					T__						15125255	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	128.1	Lg	08:02:52.323	0.2					T__						15125256	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.86	222.2	Pn	08:02:55.021	0.0					T__						15125257	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	222.2	Lg	08:03:07.709	-0.0					T__						15125258	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.21	255.2	Pn	08:02:59.519	-0.1					T__						15125259	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VYHS	1.27	268.0	Pn	08:03:00.989	0.3					T__						15125260	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	268.0	Sn	08:03:19.002	-0.8					T__						15125261	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
 2018/07/24 08:05:57.65 1.16 0.70 48.5402 20.7971 9.2 4.5 177 0.0S 11 7 141 0.21 1.30 m kx BUD 15125262 iLoc 200
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.3 5 BUD 15125262

Sta	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	254.7	Pg	08:06:01.898	-0.2					T__						15125264	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	254.7	Lg	08:06:05.995	0.4					T__						15125265	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.38	129.5	Pg	08:06:05.993	0.5					T__						15125266	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.38	129.5	Lg	08:06:12.294	0.1					T__						15125267	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	50.3	Pg	08:06:08.813	0.2					T__						15125268	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	224.5	Pg	08:06:16.307	0.4					T__						15125269	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	224.5	Lg	08:06:29.057	-0.3					T__						15125270	FDSN	GE	--	BUD	iLoc	BHN	???	_
TRPA	1.23	108.8	Sn	08:06:39.244	-1.4					T__						15125271	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	1.24	256.3	Lg	08:06:41.025	0.4					T__						15125272	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.30	268.7	Pn	08:06:22.816	0.4					T__						15125273	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	268.7	Sn	08:06:41.042	-0.8					T__						15125274	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
 2018/07/24 09:42:58.57 1.38 0.54 47.2285 18.3369 13.8 6.7 70 0.0S 5 3 189 0.14 1.03 m kx BUD 15125275 iLoc 285
 2018/07/24 09:42:58.73f 0.62 47.2302 18.2835f 0.0S 5 172 0.13 1.04 m kx BUD_GT 15135695 BUD 270
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Iszkaszentgyörgy Hungary)

Magnitude Err Nsta Author OrigID
 M 1.5 2 BUD 15135695

Sta	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	09:43:01.973	-0.1					T__						15138207	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	09:43:04.743	-0.0					T__						15138208	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Lg	09:43:18.245	0.9					T__						15138209	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.04	166.1	Pg	09:43:19.665	0.1					T__						15138210	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.04	166.1	Lg	09:43:34.241	-1.1					T__						15138211	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
 2018/07/24 10:00:40.24 1.08 1.01 48.1291 16.9802 7.2 4.0 138 0.0S 13 9 92 0.31 1.32 m sx BUD 15125282 iLoc 155
 (description : suspected quarry blast)
 (locality : Hainburg Austria)

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15125282

Sta	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	39.0	Pg	10:00:46.766	-0.3	T__	---	15125284	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.31	39.0	Lg	10:00:51.481	-0.8	T__	---	15125285	FDSN	SK	--	BUD	iLoc	HHN	???	_
A004A	0.43	247.2	Lg	10:00:55.401	0.3	T__	---	15125286	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CONA	0.78	255.4	Pg	10:00:56.235	0.5	T__	---	15125287	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.78	255.4	Lg	10:01:05.585	-1.7	T__	---	15125288	FDSN	OE	--	BUD	iLoc	BHN	???	_
JAVC	0.86	31.9	Pn	10:01:00.310	1.3	T__	---	15125289	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MPLH	1.03	158.3	Lg	10:01:16.186	0.2	T__	---	15125290	FDSN	HU	--	BUD	iLoc	BHN	???	_
A012A	1.08	241.3	Lg	10:01:17.296	-0.2	T__	---	15125291	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VRAC	1.21	347.9	Pg	10:01:02.906	-0.0	T__	---	15125292	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.21	347.9	Lg	10:01:20.146	0.4	T__	---	15125293	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	1.29	72.9	Lg	10:01:23.753	-0.6	T__	---	15125294	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ARSA	1.32	228.8	Pg	10:01:06.270	0.4	T__	---	15125295	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.32	228.8	Sn	10:01:22.296	-1.9	T__	---	15125296	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
2018/07/24	10:46:27.48	4.61	0.39	46.9138	22.7393	26.1	12.8	21	2.1F	13.4	7	4	309	0.12	1.52	m	ke BUD	15125297	iLoc			328

Magnitude	Err	Nsta	Author	OrigID
M	1.3	3	BUD	15125297

Sta	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	189.0	Pg	10:46:30.404	0.1					T__						15125299	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.12	189.0	Lg	10:46:33.050	0.3					T__						15125300	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.99	229.2	Pg	10:46:47.656	0.3					T__						15125301	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.99	229.2	Lg	10:47:01.803	-0.5					T__						15125302	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.50	210.9	Lg	10:47:18.755	-0.2					T__						15125303	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.52	179.0	Pg	10:46:56.337	-0.2					T__						15125304	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.52	179.0	Sn	10:47:16.765	0.1					T__						15125305	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	
2018/07/25	07:22:16.19	1.47	0.39	48.5784	20.7615	10.3	5.2	167	0.0S		8	5	147	0.21	1.28	m	kx BUD	15125321	iLoc				224

(description : known quarry blast)

(locality : Dvorniky-Vcelare Slovakia)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	15125321

Sta	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	242.7	Pg	07:22:20.261	-0.3					T__	6.9	45.2			MLv	1.5	15125323	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	242.7	Lg	07:22:24.250	0.4					T__						15125324	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.5 1																									
ABAH	0.43	131.4	Pg	07:22:24.468	-0.4					T__	2.2	4.5			MLv	1.1	15125325	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.43	131.4	Lg	07:22:32.742	0.6					T__						15125326	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.1 1																									
CRVS	0.57	54.8	Pg	07:22:27.000	-0.0					T__		0.0				15125327	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	0.88	221.6	Pg	07:22:34.862	0.2					T__	2.4	3.7			MLv	1.6	15125328	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.88	221.6	Lg	07:22:48.157	-0.2					T__						15125329	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.6 1																									

VYHS 1.28 266.9 Sn 07:22:59.712 -0.1 T__ --- 15125330 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
 2018/07/26 08:52:46.47 1.43 0.93 47.2124 17.9523 11.0 5.2 148 0.0S 7 3 133 0.26 0.65 m sx BUD 15125345 iLoc 207
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 ML 2.5 0.8 3 BUD 15125345

Sta	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	0.26	54.2	Pg	08:52:53.100	0.9					T__		2.9				15125347	FDSN	IR	--	ISC	iLoc	???	???	_		
CSKK	0.26	54.2	Pg	08:52:52.107	-0.1					T__	9.4	289.8			MLv 2.5	15125348	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_		
CSKK	0.26	54.2	Lg	08:52:56.856	0.2					T__						15125349	FDSN	HU	--	BUD	iLoc	HHN	???	_		
(Station ML : 2.5 1																										
MPLH	0.28	261.6	Pg	08:52:52.463	-0.2					T__	6.6	11.6			MLv 1.2	15125350	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_		
MPLH	0.28	261.6	Lg	08:52:58.605	1.1					T__						15125351	FDSN	HU	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.2 1																										
TIH	0.32	187.4	Pg	08:52:49.300	-4.0					---		1.9				15125352	FDSN	IR	--	ISC	iLoc	???	???	_		
TIH	0.32	188.1	Lg	08:52:57.984	-0.5					T__						15125353	FDSN	HU	--	BUD	iLoc	HHE	???	_		
SR0	0.65	22.0	Pg	08:52:58.764	-1.0					T__	2.7	141.6			MLv 3.0	15125354	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
 2018/07/26 09:18:46.30 1.29 0.73 47.3852 18.4410 7.6 4.6 103 0.0S 10 6 159 0.12 1.18 m kx BUD 15125370 iLoc 178
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15125370

Sta	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	259.9	Pg	09:18:49.488	0.1					T__						15125372	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.12	259.9	Lg	09:18:51.254	-0.7					T__						15125373	FDSN	HU	--	BUD	iLoc	HHN	???	_
A338A	0.63	354.6	Pg	09:18:59.050	-0.2					T__						15125374	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MPLH	0.65	251.0	Pg	09:19:00.602	1.0					T__						15125375	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A266A	0.87	188.1	Pg	09:19:04.400	0.6					T__						15125376	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.87	188.1	Lg	09:19:15.704	-1.3					T__						15125377	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	1.14	13.3	Pg	09:19:09.569	0.4					T__						15125378	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.14	13.3	Lg	09:19:26.188	0.2					T__						15125379	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORH	1.18	173.1	Pg	09:19:10.054	0.3					T__						15125380	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.18	173.1	Sn	09:19:26.915	0.1					T__						15125381	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
 2018/07/26 11:09:52.81 1.43 1.12 48.7209 21.4444 9.4 5.1 146 17.7F 13.9 10 5 113 0.18 0.94 m ke BUD 15125441 iLoc 178

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15125441

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.18	3.5	Pg	11:09:56.275	-1.2					T__						15125443	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.18	3.5	Lg	11:10:02.239	0.7					T__						15125444	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ABAH	0.45	197.8	Pg	11:10:02.858	0.8					T__						15125445	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.45	197.8	Lg	11:10:09.180	-0.5					T__						15125446	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOLS	0.59	68.5	Pg	11:10:04.667	0.4					T__						15125447	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.59	68.5	Lg	11:10:15.614	1.6					T__						15125448	FDSN	SK	--	BUD	iLoc	HHE	???	_
KECS	0.68	249.9	Pg	11:10:06.494	0.0					T__						15125449	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.68	249.9	Lg	11:10:17.267	0.6					T__						15125450	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	0.94	128.6	Pg	11:10:10.014	-0.9					T__						15125451	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.94	128.6	Sn	11:10:24.544	-0.8					T__						15125452	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
2018/07/26	11:26:12.63	0.28	0.28	47.9722	16.6156	2.0	1.2	32	0.0F	0.0	10		2	0.35	1.03	a	sx VIE	15107996	ISC			360
2018/07/26	11:26:11.86	1.22	0.48	47.9667	16.6211	7.2	3.6	130	0.0S		19	9	172	0.15	1.34	m	sx BUD	15125382	iLoc			220

(locality : Mannersdorf-am-Leithagebirge Austria)

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	1.2		VIE	15107996
ml	1.4		VIE	15107996
M	1.7	5	BUD	15125382

Sta	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	0.15	268.6	Pg	11:26:15.253	0.2					T__						15125384	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A004A	0.15	268.6	Lg	11:26:17.144	-0.4					T__						15125385	FDSN	Z3	00	BUD	iLoc	HHE	???	_
RONA	0.35	219.4	Pg	11:26:19.728	0.7					T__		0.5	0.08			15125386	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.35	219.4	Lg	11:26:24.037	-0.3					T__		3.5	0.18			15125387	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.51	266.0	Pg	11:26:22.485	0.3					T__						15125388	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.51	266.0	Lg	11:26:29.450	-0.5					T__						15125389	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.51	266.0	Lg	11:26:29.729	-0.2					T__		0.5	0.14			15125390	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	0.60	47.0	Pg	11:26:24.198	-0.1					T__						15125391	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.60	47.0	Lg	11:26:32.948	-0.4					T__						15125392	FDSN	SK	--	BUD	iLoc	HHN	???	_
A001A	0.76	358.5	Pg	11:26:27.860	1.0					T__						15125393	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.76	358.5	Lg	11:26:37.433	-0.7					T__						15125394	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A013A	0.82	277.2	Pg	11:26:28.020	0.2					T__						15125395	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.82	277.2	Lg	11:26:39.224	-0.5					T__						15125396	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ARSA	1.03	226.4	Pn	11:26:32.627	-0.0					T__		0.4	0.16			15125397	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.03	226.4	Lg	11:26:46.363	-0.2					T__		1.4	0.30			15125398	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.03	226.4	Lg	11:26:45.854	-0.7					T__						15125399	FDSN	OE	--	BUD	iLoc	BHE	???	_
KRUC	1.11	352.3	Pg	11:26:33.100	0.3					T__						15125400	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.11	352.3	Lg	11:26:48.764	0.1					T__						15125401	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.34	359.2	Pg	11:26:37.291	0.2					T__						15125402	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
2018/07/27	08:40:31.37	1.22	0.75	47.5512	18.4501	6.5	3.9	100	0.0S		13	10	84	0.10	1.41	m	kx BUD	15125403	iLoc			159
2018/07/27	08:40:31.24f		0.68	47.5600	18.4573f				0.0S		13		85	0.09	1.40	m	kx BUD_GT	15137049	BUD			159

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

Magnitude Err Nsta Author OrigID
M 2.1 4 BUD 15137049

Sta	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	08:40:33.637	-0.0					T__						15138212	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.09	327.2	Lg	08:40:35.935	0.3					T__						15138213	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Pg	08:40:36.150	-0.4					T__						15138214	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	08:40:39.751	-0.9					T__						15138215	FDSN	HU	--	BUD	BUD	HHN	???	_
BUD	0.39	101.0	Lg	08:40:45.844	-0.5					T__						15138216	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	0.74	238.3	Lg	08:40:57.650	0.4					T__						15138217	FDSN	HU	--	BUD	BUD	BHN	???	_
A335A	0.89	354.8	Lg	08:41:03.349	1.0					T__						15138218	FDSN	Z3	00	BUD	BUD	HHN	???	_
VYHS	0.97	15.1	Pn	08:40:50.968	-0.1					T__						15138219	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Sn	08:41:05.994	-0.6					T__						15138220	FDSN	SK	--	BUD	BUD	HHN	???	_
MODS	1.14	316.2	Lg	08:41:09.283	-1.4					T__						15138221	FDSN	SK	--	BUD	BUD	HHE	???	_
A265A	1.22	202.0	Pg	08:40:56.468	0.7					T__						15138222	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MORH	1.35	174.5	Sn	08:41:16.035	0.1					T__						15138223	FDSN	HU	--	BUD	BUD	BHE	???	_
JAVC	1.40	338.3	Lg	08:41:20.397	1.0					T__						15138224	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
2018/07/28	02:22:07.22	1.34	0.98	47.6581	19.5580	6.7	3.7	150	6.4F	7.8	21	13	143	0.35	1.57	m	ke BUD	15125418	iLoc			166

Magnitude Err Nsta Author OrigID
M 1.4 7 BUD 15125418

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.35	40.9	Pg	02:22:14.501	-0.3					T__						15125420	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.35	40.9	Lg	02:22:20.256	-0.3					T__						15125421	FDSN	GE	--	BUD	iLoc	BHE	???	_
BUD	0.40	244.4	Lg	02:22:21.551	-0.6					T__						15125422	FDSN	HU	--	BUD	iLoc	BHN	???	_
A270A	0.41	297.4	Pg	02:22:16.410	0.7					T__						15125423	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.41	297.4	Lg	02:22:22.852	0.8					T__						15125424	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.69	327.1	Pg	02:22:21.846	0.8					T__						15125425	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.69	327.1	Lg	02:22:31.547	0.4					T__						15125426	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A338A	0.89	294.2	Pn	02:22:22.904	-2.0					T__						15125427	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.89	294.2	Lg	02:22:38.404	0.5					T__						15125428	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CSKK	0.93	251.9	Lg	02:22:39.095	-0.3					T__						15125429	FDSN	HU	--	BUD	iLoc	HHE	???	_
VYHS	0.97	330.2	Pg	02:22:27.027	0.5					T__						15125430	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	0.97	330.2	Lg	02:22:41.319	0.7					T__						15125431	FDSN	SK	--	BUD	iLoc	HHN	???	_
A267A	1.02	226.2	Lg	02:22:42.648	0.2					T__						15125432	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KECS	1.03	36.7	Pg	02:22:29.331	1.8					T__						15125433	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	1.03	36.7	Lg	02:22:43.585	0.5					T__						15125434	FDSN	SK	--	BUD	iLoc	EHN	???	_
A268A	1.13	259.0	Sn	02:22:44.556	-0.2					T__						15125435	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ABAH	1.30	59.9	Pg	02:22:33.172	0.9					T__						15125436	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.30	59.9	Sn	02:22:49.212	-0.4					T__						15125437	FDSN	HU	--	BUD	iLoc	HHE	???	_
MPLH	1.46	251.1	Pg	02:22:36.993	0.9					T__						15125438	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.46	251.1	Lg	02:22:56.386	0.1					T__						15125439	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.57	203.8	Sn	02:22:57.367	1.9					T__						15125440	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
2018/07/28	23:57:25.39	1.19	1.09	47.9534	19.4284	9.1	4.8	8	11.7F	17.4	10	7	152	0.30	0.88	m	ke BUD	15125519	iLoc			195

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15125519

Sta	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	0.30	248.7	Lg	23:57:35.560	-1.1					T__						15125521	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.32	96.2	Pg	23:57:32.940	0.3					T__						15125522	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.32	96.2	Lg	23:57:37.781	-0.2					T__						15125523	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	0.40	314.4	Pg	23:57:34.502	0.8					T__						15125524	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.40	314.4	Lg	23:57:39.496	-0.3					T__						15125525	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.67	324.0	Pn	23:57:39.060	-0.5					T__						15125526	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.67	324.0	Lg	23:57:47.210	-1.4					T__						15125527	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.73	275.3	Pg	23:57:41.618	1.6					T__						15125528	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
SRO	0.76	259.8	Pn	23:57:40.088	-0.6					T__						15125529	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.88	52.7	Pn	23:57:42.684	0.2					T__						15125530	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
2018/07/30	08:04:32.07	2.53	1.39	48.6966	20.8823	20.6	7.9	11	0.0S		8	7	246	0.34	5.07	m	kx BUD	15125453	iLoc			268

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.6	0.7	2 BUD	15125453

Sta	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	231.1	Pg	08:04:40.117	1.2					T__	12.1	52.9			MLv	2.0	15125455	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.34	231.1	Lg	08:04:44.174	-0.0					T__						15125456	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.47	149.2	Pg	08:04:40.750	-0.8					T__	2.6	4.8			MLv	1.3	15125457	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
PSZ	1.02	220.6	Lg	08:05:07.265	-1.6					T__						15125458	FDSN	GE	--	BUD	iLoc	BHN	???	_	
VYHS	1.37	262.3	Lg	08:05:18.417	-0.9					T__						15125459	FDSN	SK	--	BUD	iLoc	HHN	???	_	
GZR	3.55	157.9	Pg	08:05:42.100	2.0					T__		6.7	1.45			15125460	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	3.80	147.7	Pn	08:05:24.500	-7.8					---						15125461	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	3.86	236.1	Pg	08:05:47.110	0.2					T__						15125462	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	4.35	232.0	Pg	08:05:51.100	-5.5					---						15125463	FDSN	IR	--	ISC	iLoc	???	???	_	
LJU	5.07	240.8	Pn	08:05:49.190	-0.2					T__						15125464	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
2018/07/30	09:48:05.53	1.32	0.55	47.7256	18.5452	8.0	5.6	35	0.0S		10	7	129	0.18	1.08	m	sx BUD	15125474	iLoc			178

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
MLv	2.2	0.3	2 BUD	15125474

Sta	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	0.18	299.4	Pg	09:48:09.908	0.3	T__	7.0	449.5	---	MLv	2.5	15125476	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
SR0	0.18	299.4	Lg	09:48:13.439	0.7	T__			---			15125477	FDSN	SK	--	BUD	iLoc	EHN	???	_
BUD	0.40	126.6	Lg	09:48:20.710	-0.3	T__			---			15125478	FDSN	HU	--	BUD	iLoc	BHN	???	_
EGYH	0.88	249.8	Lg	09:48:35.874	-0.5	T__			---			15125479	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.88	231.2	Pg	09:48:23.479	0.2	T__	5.6	11.2	---	MLv	2.0	15125480	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.88	231.2	Lg	09:48:36.290	-0.1	T__			---			15125481	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	0.93	77.5	Sn	09:48:40.479	0.1	T__			---			15125482	FDSN	GE	--	BUD	iLoc	BHN	???	_
MODS	1.07	307.8	Pg	09:48:27.115	0.0	T__			---			15125483	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.07	307.8	Lg	09:48:41.898	-0.9	T__			---			15125484	FDSN	SK	--	BUD	iLoc	HHN	???	_
ZST	1.08	296.4	Lg	09:48:42.418	-0.5	T__			---			15125485	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
 2018/07/31 07:16:52.85 0.99 0.72 48.5249 19.3276 5.8 3.3 16 0.0S 23 13 135 0.33 1.83 m kx BUD 15125494 iLoc 141
 (locality : Viglas Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.9 6 BUD 15125494

Sta	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	264.8	Pg	07:16:59.941	0.4					T__						15125496	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.33	264.8	Lg	07:17:04.703	0.1					T__						15125497	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.36	217.0	Pg	07:17:01.116	0.8					T__						15125498	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.36	217.0	Lg	07:17:05.956	0.1					T__						15125499	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.64	296.4	Lg	07:17:14.911	0.0					T__						15125500	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.66	263.6	Pg	07:17:06.653	0.4					T__						15125501	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.66	263.6	Lg	07:17:15.292	-0.7					T__						15125502	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.71	197.0	Pg	07:17:08.468	1.0					T__						15125503	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
PSZ	0.72	147.8	Pg	07:17:08.121	0.1					T__						15125504	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.72	147.8	Lg	07:17:18.670	-0.6					T__						15125505	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.77	92.7	Pg	07:17:08.598	0.4					T__						15125506	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.77	92.7	Lg	07:17:19.609	-0.2					T__						15125507	FDSN	SK	--	BUD	iLoc	EHE	???	_
A331A	0.96	311.0	Lg	07:17:26.291	0.9					T__						15125508	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	1.15	287.6	Pg	07:17:16.703	1.0					T__						15125509	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.15	287.6	Sn	07:17:32.613	-0.2					T__						15125510	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.15	287.6	Pg	07:17:15.700	0.0					T__						15125511	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.15	287.6	Lg	07:17:31.100	-1.2					T__						15125512	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.29	99.5	Pg	07:17:19.190	1.1					T__						15125513	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.29	99.5	Sn	07:17:36.062	-0.8					T__						15125514	FDSN	HU	--	BUD	iLoc	HHE	???	_
MODS	1.37	264.4	Sn	07:17:37.042	-1.1					T__						15125515	FDSN	SK	--	BUD	iLoc	HHE	???	_
MORC	1.72	317.6	Sn	07:17:46.246	-0.8					T__						15125516	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	1.72	317.6	Pn	07:17:23.200	-0.0					T__						15125517	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	1.83	277.4	Sn	07:17:49.414	0.3					T__						15125518	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
 2018/07/31 08:25:19.86 2.00 1.30 48.6122 20.7360 16.9 5.7 8 0.0S 9 5 227 0.21 1.27 m kx BUD 15125531 iLoc 313
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.6 5 BUD 15125531

Sta	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	232.3	Pg	08:25:24.483	0.2					T__						15125533	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	232.3	Lg	08:25:28.670	1.0					T__						15125534	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.46	133.1	Pg	08:25:30.657	1.4					T__						15125535	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.46	133.1	Lg	08:25:34.580	-2.5					T__						15125536	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.89	219.3	Pn	08:25:39.089	0.1					T__						15125537	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	219.3	Lg	08:25:51.698	-0.8					T__						15125538	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.22	252.5	Pg	08:25:43.911	-0.3					T__						15125539	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VYHS	1.27	265.4	Pg	08:25:45.189	0.1					T__						15125540	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	265.4	Sn	08:26:03.354	0.2					T__						15125541	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
2018/07/31	12:24:08.60	1.20	1.03	46.9356	17.6906	11.1	5.8	61	0.0A		7	5	160	0.26	1.59	m	ke BUD	15125549	iLoc			187

Magnitude Err Nsta Author OrigID
MLv 1.5 0.1 2 BUD 15125549

Sta	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	0.26	336.3	Pg	12:24:13.547	-0.8					T__	21.3	31.6			MLv 1.5	15125551	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.26	336.3	Lg	12:24:20.310	1.5					T__						15125552	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	0.78	233.9	Lg	12:24:37.172	0.6					T__						15125553	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.89	161.4	Pn	12:24:27.767	0.2					T__	3.1	3.6			MLv 1.5	15125554	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.89	161.4	Lg	12:24:41.069	0.6					T__						15125555	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.98	137.2	Lg	12:24:43.294	0.4					T__						15125556	FDSN	HU	--	BUD	iLoc	BHN	???	_
CONA	1.59	309.3	Sn	12:24:59.276	-0.6					T__						15125557	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
2018/07/31	15:56:42.41	1.07	1.04	45.9567	17.2883	5.3	3.4	173	14.7F	10.8	23	14	84	0.20	5.40	m	ke BUD	15125566	iLoc			151

Magnitude Err Nsta Author OrigID
M 1.8 7 BUD 15125566

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
A264A	0.20	0.2	Pg	15:56:47.141	-0.3					T__						15125568	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MOSL	0.51	227.6	Pg	15:56:53.240	0.3					T__						15125569	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.51	227.6	Lg	15:57:02.830	2.2					T__						15125570	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.58	76.6	Pg	15:56:54.563	0.2					T__						15125571	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.58	76.6	Lg	15:57:02.803	-0.2					T__						15125572	FDSN	HU	--	BUD	iLoc	BHN	???	_
A265A	0.59	36.8	Pg	15:56:54.447	-0.0					T__						15125573	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.59	36.8	Lg	15:57:02.771	-0.3					T__						15125574	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KALN	0.61	287.1	Pg	15:56:55.660	0.7					T__						15125575	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.61	287.1	Lg	15:57:03.740	-0.3					T__						15125576	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.63	325.5	Pn	15:56:56.156	0.0					T__						15125577	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.63	325.5	Lg	15:57:04.257	-0.2					T__						15125578	FDSN	HU	--	BUD	iLoc	BHN	???	_

A252A	0.65	142.8	Pn	15:56:56.115	-0.3	T__	---	15125579	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.65	142.8	Lg	15:57:04.677	-0.4	T__	---	15125580	FDSN	Z3	--	BUD	iLoc	BHE	???	_
LOBO	0.87	283.6	Sn	15:57:12.460	-0.6	T__	---	15125581	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.87	304.7	Pg	15:57:00.518	0.8	T__	---	15125582	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.87	304.7	Sn	15:57:12.428	-0.4	T__	---	15125583	FDSN	SL	--	BUD	iLoc	BHE	???	_
A266A	0.88	49.6	Sn	15:57:12.785	-0.1	T__	---	15125584	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PTJ	0.92	267.4	Pg	15:57:00.530	-0.4	T__	---	15125585	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.92	267.4	Lg	15:57:12.650	-1.6	T__	---	15125586	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.98	74.2	Pg	15:57:02.042	0.2	T__	---	15125587	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.98	74.2	Lg	15:57:15.925	0.2	T__	---	15125588	FDSN	HU	--	BUD	iLoc	BHN	???	_
OBKA	1.98	287.2	Lg	15:57:44.177	-2.3	T__	---	15125589	FDSN	OE	--	BUD	iLoc	BHE	???	_
BRG	5.40	336.9	Pg	15:58:27.190	2.3	T__	---	15125590	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.40	336.9	Sn	15:58:47.230	-16.8	---	---	15125591	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.40	336.9	x	15:58:51.460	-99.0	---	---	15125592	FDSN	IR	--	ISC	iLoc	???	???	_
								1.5	0.44	---						

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2018/08/01 07:35:31.84 1.91 0.62 47.3389 18.3934 13.7 10.6 90 0.0S 4 3 172 0.09 1.14 m kx BUD 15125593 iLoc 286
 (description : known 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	285.1	Pg	07:35:34.714	0.4					T__						15125595	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.09	285.1	Lg	07:35:36.051	-0.4					T__						15125596	FDSN	HU	--	BUD	iLoc	HHE	???	_
A269A	0.30	358.6	Lg	07:35:43.036	-0.2					T__						15125597	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.14	171.2	Sn	07:36:11.160	-0.2					T__						15125598	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
 2018/08/01 08:24:44.75 1.58 0.68 47.8474 19.1587 8.8 5.2 0 0.0S 7 4 187 0.09 0.68 m kx BUD 15125599 iLoc 284
 2018/08/01 08:24:44.65f 0.67 47.8355 19.1270f 0.0S 7 197 0.07 0.69 m kx BUD_GT 15137052 BUD 289
 (locality : Sejce-Vác Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

ML	1.6	0.4	3	BUD	15125599
ML	1.6	0.4	3	BUD	15137052

Sta	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	08:24:47.589	1.0					T__		305.6			MLv	15138225	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	08:24:48.271	0.1					T__						15138226	FDSN	Z3	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Pg	08:24:53.552	0.5					T__		16.9			MLv	15138227	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.41	347.9	Lg	08:24:58.308	-0.9					T__						15138228	FDSN	Z3	00	BUD	BUD	HH2	???	_
PSZ	0.52	80.6	Pg	08:24:55.832	-0.2					T__		4.7			MLv	15138229	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	08:25:03.622	-0.9					T__						15138230	FDSN	GE	--	BUD	BUD	BHE	???	_
VYHS	0.69	343.6	Lg	08:25:08.573	-0.2					T__						15138231	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
2018/08/01	08:30:22.14	3.43	0.64	48.6743	20.4064	25.2	9.3	27	5.0A	6	4	263	0.20	1.06	m	ke	BUD	15125642	iLoc			303

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.20	164.6	Pg	08:30:26.485	0.2					T__						15125644	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	164.6	Lg	08:30:29.434	-0.1					T__						15125645	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.83	204.5	Pn	08:30:39.342	-0.4					T__						15125646	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.83	204.5	Lg	08:30:51.720	-0.3					T__						15125647	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.04	245.3	Sn	08:30:58.975	0.9					T__						15125648	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.06	260.8	Lg	08:30:58.028	-0.4					T__						15125649	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
2018/08/01	09:51:05.33	1.44	0.56	46.0672	18.1310	7.0	6.1	124	0.0S	6	3	130	0.03	0.66	m	kx	BUD	15125621	iLoc			247
2018/08/01	09:51:04.32f		0.69	46.1204	18.0243f				0.0S	6		247	0.06	0.70	m	kx	BUD_GT	15137055	BUD			315

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

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.6	3 BUD	15125621
ML	0.9	0.6	3 BUD	15137055

Sta	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	121.4	Pg	09:51:06.714	0.5					T__		30.5			MLv	15138232	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.06	121.4	Lg	09:51:07.777	-0.1					T__						15138233	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.44	77.3	Pg	09:51:13.708	0.1					T__		0.5			MLv	15138234	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.44	77.3	Lg	09:51:19.742	-1.0					T__						15138235	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.70	190.3	Pg	09:51:19.334	0.8					T__		2.6			MLv	15138236	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.70	190.3	Lg	09:51:28.275	-0.9					T__						15138237	FDSN	Z3	--	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	
2018/08/01	10:01:04.70	0.27	0.16	48.1403	16.9321	4.3	1.7	146	0.0F	0.0	15		59	0.61	1.81	a	kx	VIE	15108058	ISC			360
2018/08/01	10:01:04.32	0.92	0.70	48.1288	16.9633	3.8	3.1	137	0.0S	31	18	57	0.12	1.90	m	kx	BUD	15125650	iLoc				84

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15108058
ml	1.8		VIE	15108058
M	1.9	6	BUD	15125650

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZST	0.12	54.1	Pg	10:01:06.976	-0.3					T__						15125652	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	40.5	Pg	10:01:10.624	-0.7					T__						15125653	FDSN	SK	--	BUD	iLoc	HHZ	???	_

MODS	0.32	40.5	Lg	10:01:15.104	-1.5	T__										15125654	FDSN	SK	--	BUD	iLoc	HHE	???	-
A002B	0.34	313.7	Lg	10:01:16.228	-0.3	T__										15125655	FDSN	Z3	00	BUD	iLoc	HH3	???	-
A003A	0.38	170.7	Lg	10:01:17.215	-1.0	T__										15125656	FDSN	Z3	00	BUD	iLoc	HH3	???	-
RONA	0.62	226.5	Pg	10:01:16.464	-0.4	T__				0.8	0.18					15125657	FDSN	IR	--	ISC	iLoc	???	???	-
RONA	0.62	226.5	Lg	10:01:24.810	-1.3	T__				18.5	0.46					15125658	FDSN	IR	--	ISC	iLoc	???	???	-
EGYH	0.76	160.6	Lg	10:01:32.000	1.0	T__										15125659	FDSN	HU	--	BUD	iLoc	HHN	???	-
CONA	0.77	255.2	Lg	10:01:29.670	-1.3	T__										15125660	FDSN	OE	--	BUD	iLoc	BHN	???	-
CONA	0.77	255.2	Pg	10:01:19.089	-0.5	T__				0.3	0.12					15125661	FDSN	IR	--	ISC	iLoc	???	???	-
JAVC	0.87	32.5	Pn	10:01:24.129	0.9	T__										15125662	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
JAVC	0.87	32.5	Pn	10:01:24.000	0.8	T__										15125663	FDSN	IR	--	ISC	iLoc	???	???	-
A335A	0.97	70.3	Pg	10:01:23.772	0.0	T__										15125664	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A335A	0.97	70.3	Lg	10:01:37.408	-0.5	T__										15125665	FDSN	Z3	00	BUD	iLoc	HHN	???	-
KRUC	1.01	338.2	Pg	10:01:23.400	-0.0	T__										15125666	FDSN	IR	--	ISC	iLoc	???	???	-
KRUC	1.01	338.2	Lg	10:01:37.800	0.0	T__										15125667	FDSN	IR	--	ISC	iLoc	???	???	-
MPLH	1.04	157.7	Lg	10:01:40.517	0.3	T__										15125668	FDSN	HU	--	BUD	iLoc	BHN	???	-
A012A	1.07	241.0	Lg	10:01:41.386	0.1	T__										15125669	FDSN	Z3	00	BUD	iLoc	HH2	???	-
CSKK	1.16	130.7	Lg	10:01:43.112	-1.2	T__										15125670	FDSN	HU	--	BUD	iLoc	HHN	???	-
VRAC	1.21	348.4	Pg	10:01:26.600	-0.4	T__										15125671	FDSN	IR	--	ISC	iLoc	???	???	-
VRAC	1.21	348.4	Lg	10:01:43.100	-0.6	T__										15125672	FDSN	IR	--	ISC	iLoc	???	???	-
VRAC	1.21	348.4	Pg	10:01:26.900	-0.1	T__										15125673	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
VRAC	1.21	348.4	Lg	10:01:44.147	0.4	T__										15125674	FDSN	CZ	--	BUD	iLoc	BHE	???	-
VYHS	1.30	73.0	Pg	10:01:30.325	0.0	T__										15125675	FDSN	SK	--	BUD	iLoc	HHZ	???	-
VYHS	1.30	73.0	Sn	10:01:47.391	-0.5	T__										15125676	FDSN	SK	--	BUD	iLoc	HHN	???	-
ARSA	1.31	228.4	Sn	10:01:47.952	-0.1	T__				4.5	0.44					15125677	FDSN	IR	--	ISC	iLoc	???	???	-
ARSA	1.31	228.4	Pg	10:01:29.904	0.1	T__										15125678	FDSN	OE	--	BUD	iLoc	BHZ	???	-
ARSA	1.31	228.4	Sn	10:01:48.134	0.1	T__										15125679	FDSN	OE	--	BUD	iLoc	BHE	???	-
MOA	1.83	262.2	Pn	10:01:36.950	0.6	T__				1.9	0.38					15125680	FDSN	IR	--	ISC	iLoc	???	???	-
MOA	1.83	262.2	Sn	10:02:01.856	0.5	T__				4.1	0.60					15125681	FDSN	IR	--	ISC	iLoc	???	???	-
CKRC	1.90	292.4	Sn	10:02:02.651	0.0	T__										15125682	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
 2018/08/01 10:10:11.20 1.13 0.73 48.3338 19.8692 5.9 3.7 1 0.0S 15 9 87 0.42 1.55 m kx BUD 15125683 iLoc 161
 (locality : Husina Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.8 7 BUD 15125683

Sta	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	177.7	Pg	10:10:20.224	-0.1					T__						15125685	FDSN	GE	--	BUD	iLoc	BHZ	???	-
PSZ	0.42	177.7	Lg	10:10:26.965	-0.3					T__						15125686	FDSN	GE	--	BUD	iLoc	BHE	???	-
KECS	0.44	69.8	Pg	10:10:20.111	0.1					T__						15125687	FDSN	SK	--	BUD	iLoc	EHE	???	-
KECS	0.44	69.8	Lg	10:10:27.093	0.3					T__						15125688	FDSN	SK	--	BUD	iLoc	EHN	???	-
A336A	0.59	260.5	Pg	10:10:24.059	0.9					T__						15125689	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A336A	0.59	260.5	Lg	10:10:31.417	-0.5					T__						15125690	FDSN	Z3	00	BUD	iLoc	HH3	???	-
VYHS	0.71	283.5	Pg	10:10:25.115	-0.3					T__						15125691	FDSN	SK	--	BUD	iLoc	HHN	???	-
VYHS	0.71	283.5	Lg	10:10:34.978	-0.9					T__						15125692	FDSN	SK	--	BUD	iLoc	HHN	???	-
LANS	0.86	342.1	Pg	10:10:28.208	0.1					T__						15125693	FDSN	SK	--	BUD	iLoc	EHZ	???	-
ABAH	0.92	91.9	Pg	10:10:29.783	0.5					T__						15125694	FDSN	HU	--	BUD	iLoc	HHZ	???	-
ABAH	0.92	91.9	Lg	10:10:42.933	-1.4					T__						15125695	FDSN	HU	--	BUD	iLoc	HHN	???	-
A335A	1.03	276.9	Pn	10:10:32.235	0.3					T__						15125696	FDSN	Z3	00	BUD	iLoc	HHZ	???	-

A335A	1.03	276.9	Lg	10:10:45.369	-1.4	T__	---	15125697	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	1.06	253.1	Lg	10:10:48.090	0.0	T__	---	15125698	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	1.55	290.6	Lg	10:11:04.385	0.2	T__	---	15125699	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
2018/08/01	11:00:12.86	1.67	0.49	48.3103	21.3358	19.9	6.5	5	0.0S	5	3	174	0.07	0.82	m	kx	BUD	15125700	iLoc			330
2018/08/01	11:00:13.11f		1.09	48.2470	21.2460f				0.0S	5		198	0.05	0.87	m	kx	BUD_GT	15137058	BUD			300

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	2	BUD	15137058

Sta	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	11:00:15.097	0.4					T__						15138238	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	11:00:15.920	-0.2					T__						15138239	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	11:00:24.834	0.5					T__						15138240	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.56	295.3	Lg	11:00:33.611	0.7					T__						15138241	FDSN	SK	--	BUD	BUD	EHN	???	_
TRPA	0.87	97.2	Lg	11:00:42.765	-2.2					T__						15138242	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
2018/08/01	11:13:03.95	1.32	1.16	48.1445	21.1977	9.9	6.3	2	0.0S	9	5	165	0.15	0.90	m	kx	BUD	15125707	iLoc			243
2018/08/01	11:13:05.17f		1.60	48.2470	21.2460f				0.0S	9		153	0.05	0.96	m	kx	BUD_GT	15137061	BUD			238

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	4	BUD	15137061

Sta	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	11:13:07.001	0.3					T__						15138243	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	11:13:08.616	0.4					T__						15138244	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	11:13:15.144	-1.3					T__						15138245	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.56	295.3	Lg	11:13:25.010	0.1					T__						15138246	FDSN	SK	--	BUD	BUD	EHN	???	_
CRVS	0.67	12.2	Pg	11:13:19.689	1.7					T__						15138247	FDSN	SK	--	BUD	BUD	HHZ	???	_
CRVS	0.67	12.2	Lg	11:13:33.034	4.0					T__						15138248	FDSN	SK	--	BUD	BUD	HHE	???	_
TRPA	0.87	97.2	Pn	11:13:23.280	-0.9					T__						15138249	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	11:13:36.520	-0.5					T__						15138250	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Lg	11:13:39.104	-1.3					T__						15138251	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
2018/08/01	12:54:11.37	0.29	0.54	47.5892	16.3649	2.2	1.4	138	0.0F	0.0	23	34	0.12	1.44	a	sx	VIE	15108090	ISC			360
2018/08/01	12:54:10.39	1.06	1.00	47.5897	16.3654	4.4	3.9	145	0.0S	22	10	94	0.12	1.47	m	sx	BUD	15125718	iLoc			119

(locality : Burgruine-Landsee Austria)

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	0.8		VIE	15108090
ml	1.4		VIE	15108090
M	1.2	5	BUD	15125718

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.12	337.0	Pg	12:54:13.476	0.3					T__		12.5	0.10	---		15125720	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.12	337.0	Lg	12:54:15.808	0.5					T__		64.9	0.28	---		15125721	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.16	54.3	Pg	12:54:14.552	0.6					T__				---		15125722	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.16	54.3	Lg	12:54:17.276	0.5					T__				---		15125723	FDSN	HU	--	BUD	iLoc	BHN	???	_
A011B	0.33	236.8	Pg	12:54:16.879	-0.1					T__				---		15125724	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.33	236.8	Lg	12:54:21.766	-0.1					T__				---		15125725	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A260A	0.38	142.8	Lg	12:54:24.837	0.4					T__				---		15125726	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CONA	0.48	315.1	Pg	12:54:20.874	0.8					T__				---		15125727	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.48	315.1	Lg	12:54:27.615	0.3					T__				---		15125728	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.48	315.1	Lg	12:54:28.067	0.7					T__		3.5	0.28	---		15125729	FDSN	IR	--	ISC	iLoc	???	???	_
A012A	0.53	271.8	Lg	12:54:28.216	-0.8					T__				---		15125730	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ARSA	0.67	239.6	Pg	12:54:25.294	2.0					T__		1.2	0.20	---		15125731	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.67	239.6	Lg	12:54:33.561	0.8					T__		2.6	0.32	---		15125732	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.67	239.6	Pg	12:54:22.217	-1.1					T__				---		15125733	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.67	239.6	Lg	12:54:32.630	-0.2					T__				---		15125734	FDSN	OE	--	BUD	iLoc	BHE	???	_
MPLH	0.90	117.3	Lg	12:54:42.223	0.2					T__				---		15125735	FDSN	HU	--	BUD	iLoc	BHN	???	_
MOA	1.44	281.2	Pg	12:54:39.225	0.9					T__		0.6	0.12	---		15125736	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.44	281.2	Lg	12:54:59.495	0.5					T__		1.5	0.22	---		15125737	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.47	0.8	Pn	12:54:37.600	0.3					T__				---		15125738	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.47	0.8	Sn	12:54:55.000	-3.0					T__				---		15125739	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.47	0.8	Pg	12:54:37.998	-0.3					T__				---		15125740	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.47	0.8	Sn	12:54:57.705	-0.3					T__				---		15125741	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
2018/08/01	21:46:09.76	1.23	0.91	46.0356	17.1041	7.9	4.2	33	13.3F	10.0	18	10	166	0.18	1.09	m	ke BUD	15125773	iLoc			201

Magnitude	Err	Nsta	Author	OrigID
M	1.6	7	BUD	15125773

Sta	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	0.18	46.0	Pg	21:46:13.974	-0.3					T__				---		15125775	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.18	46.0	Lg	21:46:17.727	0.0					T__				---		15125776	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BEHE	0.49	332.5	Pg	21:46:21.840	1.8					T__				---		15125777	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.49	332.5	Lg	21:46:28.072	0.6					T__				---		15125778	FDSN	HU	--	BUD	iLoc	BHN	???	_
A273A	0.51	103.3	Lg	21:46:27.862	-0.0					T__				---		15125779	FDSN	Z3	--	BUD	iLoc	HHE	???	_
A265A	0.62	50.7	Pn	21:46:23.203	-0.1					T__				---		15125780	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.62	50.7	Sn	21:46:33.568	-0.4					T__				---		15125781	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A263A	0.62	13.5	Pg	21:46:22.316	-0.1					T__				---		15125782	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.62	13.5	Lg	21:46:30.396	-1.2					T__				---		15125783	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	0.70	85.3	Pg	21:46:24.610	0.7					T__				---		15125784	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.70	85.3	Sn	21:46:35.843	-0.1					T__				---		15125785	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOGS	0.72	305.2	Pg	21:46:23.225	-0.9					T__				---		15125786	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.72	305.2	Lg	21:46:33.142	-1.3					T__				---		15125787	FDSN	SL	--	BUD	iLoc	BHN	???	_

A252A	0.79	138.8	Pg	21:46:26.414	0.6	T__	---	15125788	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.79	138.8	Sn	21:46:38.633	0.0	T__	---	15125789	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A262A	0.92	334.5	Pg	21:46:29.471	1.5	T__	---	15125790	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.09	79.9	Pg	21:46:30.911	-0.4	T__	---	15125791	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.09	79.9	Lg	21:46:47.114	0.5	T__	---	15125792	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
2018/08/02	08:00:52.87	18.13	0.08	47.9943	21.7409	92.9	9.6	161	0.0S	4	4	280	0.45	1.00	m	sx	BUD	15125742	iLoc			291
(locality : Podgorje Croatia)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.45	312.2	Lg	08:01:09.976	0.0				T__							15125744	FDSN	HU	--	BUD	iLoc	HHN	???	_
PODL	0.84	11.5	Lg	08:01:22.994	-0.0				T__							15125745	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.97	300.7	Lg	08:01:26.724	-0.0				T__							15125746	FDSN	SK	--	BUD	iLoc	EHE	???	_
KOLS	1.00	20.5	Lg	08:01:28.421	0.0				T__							15125747	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
2018/08/02	08:42:08.86	1.96	1.29	48.0350	20.6948	12.8	7.1	166	0.0S	5	3	203	0.45	0.55	m	kx	BUD	15125748	iLoc			288
2018/08/02	08:42:09.45f		1.01	48.0750	20.6990f				0.0S	5		195	0.42	0.56	m	kx	BUD_GT	15137064	BUD			282
(description : known quarry blast)																						
(locality : Miskolc-Mexikóvölgy Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.42	58.4	Pg	08:42:18.821	0.6				T__							15138252	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.42	58.4	Lg	08:42:24.569	-1.0				T__							15138253	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.43	340.8	Pg	08:42:18.974	0.7				T__							15138254	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.43	340.8	Lg	08:42:25.123	0.1				T__							15138255	FDSN	SK	--	BUD	BUD	EHN	???	_
PSZ	0.56	254.1	Lg	08:42:28.910	-1.8				T__							15138256	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
2018/08/02	09:04:45.32	1.47	0.80	48.5659	20.8219	9.4	4.9	163	0.0S	7	5	161	0.24	1.03	m	kx	BUD	15125755	iLoc			187
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.7	2 BUD	15125755

Sta	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	249.8	Pg	09:04:50.052	-0.2				T__		25.4	147.3		MLv	2.1	15125757	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.24	249.8	Lg	09:04:54.635	0.5				T__							15125758	FDSN	SK	--	BUD	iLoc	EHE	???	_

ABAH	0.39	134.0	Pg	09:04:53.836	0.5				T__	2.9	5.5	---	MLv	1.1	15125759	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	134.0	Lg	09:04:59.559	-0.4				T__			---			15125760	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.54	51.3	Pg	09:04:56.300	0.6				T__		0.0	---			15125761	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.90	224.1	Lg	09:05:17.651	-0.5				T__			---			15125762	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.03	68.5	Lg	09:05:20.402	-1.1				T__			---			15125763	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
2018/08/02	09:25:57.44	3.75	1.31	46.0443	18.6090	30.9	6.1	137	0.0S		6	3	249	0.17	0.57	m	kx BUD	15125793	iLoc			339
2018/08/02	09:25:58.26f		1.14	46.2651	18.4494f				0.0S		6		235	0.14	0.56	m	kx BUD_GT	15137067	BUD			357

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

Magnitude Err Nsta Author OrigID

Sta	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	0.14	110.0	Pg	09:26:01.806	0.1					T__						15138257	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.14	110.0	Lg	09:26:04.313	-0.3					T__						15138258	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	0.30	234.1	Pg	09:26:06.423	1.6					T__						15138259	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.30	234.1	Lg	09:26:10.541	0.6					T__						15138260	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.56	231.9	Pg	09:26:09.697	-0.2					T__						15138261	FDSN	Z3	--	BUD	BUD	HHZ	???	_
A273A	0.56	231.9	Lg	09:26:16.496	-2.2					T__						15138262	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
2018/08/03	08:24:05.56	1.21	1.05	48.5380	20.7972	12.2	4.9	174	0.0S		10	8	141	0.21	1.64	m	kx BUD	15125801	iLoc			199

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

Magnitude Err Nsta Author OrigID

Sta	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	255.3	Pg	08:24:09.989	-0.1					T__						15125803	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	255.3	Lg	08:24:14.122	0.6					T__						15125804	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.38	129.2	Lg	08:24:20.209	0.2					T__						15125805	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	50.1	Pg	08:24:16.882	0.4					T__						15125806	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	224.6	Pn	08:24:25.057	0.7					T__						15125807	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	224.6	Lg	08:24:37.846	0.6					T__						15125808	FDSN	GE	--	BUD	iLoc	BHE	???	_
TRPA	1.23	108.7	Sn	08:24:47.109	-1.5					T__						15125809	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	1.24	256.4	Sn	08:24:46.538	-1.3					T__						15125810	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.30	268.8	Sn	08:24:48.472	-1.3					T__						15125811	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	1.64	267.7	Sn	08:24:57.264	-0.8					T__						15125812	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
2018/08/03	10:19:50.48	1.19	0.56	47.2165	18.3264	8.8	5.4	84	0.0S		10	6	162	0.15	1.14	m	kx BUD	15125821	iLoc			184
2018/08/03	10:19:50.68f		0.77	47.2302	18.2835f				0.0S		10		156	0.13	1.15	m	kx BUD_GT	15135736	BUD			177

(locality : Iszkaszentgyörgy Hungary)

(description : known quarry blast)
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
M 1.3 4 BUD 15135736

Sta	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	10:19:54.015	0.0					T__						15138263	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:19:56.923	0.2					T__						15138264	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Pg	10:19:57.174	-0.4					T__						15138265	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A268A	0.32	309.6	Lg	10:20:04.597	1.8					T__						15138266	FDSN	Z3	00	BUD	BUD	HHN	???	_
A269A	0.41	9.3	Lg	10:20:06.522	0.5					T__						15138267	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	10:20:01.805	0.5					T__						15138268	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:20:09.837	0.6					T__						15138269	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Pn	10:20:11.430	-0.0					T__						15138270	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.04	166.1	Lg	10:20:26.317	-0.9					T__						15138271	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	1.15	186.4	Sn	10:20:29.814	-0.9					T__						15138272	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
2018/08/04	16:06:30.62	5.22	0.14	45.9470	16.0303	29.0	13.6	51	5.0A		5	3	300	0.06	0.42	m	ke BUD	15125865	iLoc			334

Magnitude Err Nsta Author OrigID
M 1.3 2 BUD 15125865

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PTJ	0.06	227.5	Pg	16:06:32.325	0.1					T__						15125867	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.06	227.5	Lg	16:06:33.645	0.1					T__						15125868	FDSN	CR	--	BUD	iLoc	BHE	???	_
ZAG	0.12	194.2	Lg	16:06:35.462	-0.1					T__						15125869	FDSN	CR	--	BUD	iLoc	BHE	???	_
CRES	0.42	253.4	Pg	16:06:38.891	0.0					T__						15125870	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.42	253.4	Lg	16:06:45.234	-0.1					T__						15125871	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
2018/08/06	08:29:06.87	1.11	0.66	48.7807	20.0703	5.5	4.4	38	0.0S		14	9	68	0.41	1.20	m	kx BUD	15125833	iLoc			128

(locality : Cervena-Skala Slovakia)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.4 6 BUD 15125833

Sta	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	137.1	Pg	08:29:14.864	-0.2					T__						15125835	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.41	137.1	Lg	08:29:20.778	-0.5					T__						15125836	FDSN	SK	--	BUD	iLoc	EHE	???	_
LANS	0.54	313.2	Pg	08:29:18.078	0.5					T__						15125837	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.54	313.2	Lg	08:29:25.128	-0.5					T__						15125838	FDSN	SK	--	BUD	iLoc	EHN	???	_
NIE	0.66	13.9	Pg	08:29:20.074	0.8					T__						15125839	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.66	13.9	Lg	08:29:27.993	-0.9					T__						15125840	FDSN	PL	--	BUD	iLoc	BHE	???	_
VYHS	0.87	251.1	Pn	08:29:25.120	-0.3					T__						15125841	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.87	251.1	Lg	08:29:36.803	-0.1					T__						15125842	FDSN	SK	--	BUD	iLoc	HHN	???	_

PSZ	0.87	187.8	Lg	08:29:39.053	0.4					T__					15125843	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	0.90	232.8	Pn	08:29:25.621	-0.1					T__					15125844	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.90	232.8	Lg	08:29:38.680	0.7					T__					15125845	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ABAH	0.92	121.5	Lg	08:29:39.985	0.1					T__					15125846	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.93	81.9	Pg	08:29:24.802	0.5					T__					15125847	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A335A	1.20	254.5	Lg	08:29:46.620	-1.3					T__					15125848	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
 2018/08/07 08:37:54.84 1.40 0.81 48.8272 21.1427 9.7 5.4 167 0.0S 9 7 143 0.22 1.23 m kx BUD 15125872 iLoc 198
 (description : known quarry blast)
 (locality : Trebejov Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15125872

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CRVS	0.22	70.2	Pg	08:37:58.825	-0.5					T__						15125874	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ABAH	0.54	173.1	Lg	08:38:13.112	-1.5					T__						15125875	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	0.56	231.9	Pg	08:38:06.224	0.3					T__						15125876	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.56	231.9	Lg	08:38:13.854	-0.5					T__						15125877	FDSN	SK	--	BUD	iLoc	EHN	???	_
HOLU	0.88	109.6	Pg	08:38:11.762	0.2					T__						15125878	FDSN	UA	--	BUD	iLoc	MHZ	???	_
LANS	1.15	287.0	Pg	08:38:16.983	-0.4					T__						15125879	FDSN	SK	--	BUD	iLoc	EHZ	???	_
TRPA	1.16	126.4	Pn	08:38:18.860	0.9					T__						15125880	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.23	222.9	Pg	08:38:20.036	-0.5					T__						15125881	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.23	222.9	Lg	08:38:38.771	0.1					T__						15125882	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
 2018/08/07 09:17:04.16 1.09 0.80 48.5564 20.7963 8.1 4.3 167 0.0S 12 8 143 0.22 1.64 m kx BUD 15125890 iLoc 201
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15125890

Sta	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	250.6	Pg	09:17:08.605	-0.1					T__						15125892	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	250.6	Lg	09:17:12.716	0.4					T__						15125893	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.39	131.3	Pg	09:17:13.139	0.9					T__						15125894	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.39	131.3	Lg	09:17:18.970	-0.1					T__						15125895	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.56	51.6	Pg	09:17:15.552	0.6					T__						15125896	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.56	51.6	Lg	09:17:23.666	-0.5					T__						15125897	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	223.7	Pn	09:17:23.204	0.1					T__						15125898	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	223.7	Lg	09:17:35.791	-0.5					T__						15125899	FDSN	GE	--	BUD	iLoc	BHN	???	_
TRPA	1.24	109.5	Sn	09:17:45.780	-1.6					T__						15125900	FDSN	HU	--	BUD	iLoc	BHN	???	_
A336A	1.24	255.6	Sn	09:17:46.489	-0.1					T__						15125901	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.30	268.0	Sn	09:17:47.476	-0.9					T__						15125902	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	1.64	267.1	Sn	09:17:57.385	0.7					T__						15125903	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
2018/08/08	06:28:57.45	3.38	0.02	47.9273	19.4779	34.7	5.7	24	0.0S		5	3	231	0.28	1.24	m	kx	BUD	15125904	iLoc		340
2018/08/08	06:28:56.97f		0.75	47.8920	19.4049f				0.0S		5		242	0.33	1.29	m	kx	BUD_GT	15137082	BUD		345

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.1	0.4	2 BUD	15137082

Sta	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	85.2	Pg	06:29:03.885	-0.5					T__		7.0		---	MLv	15138273	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.33	85.2	Lg	06:29:08.871	-1.3					T__				---		15138274	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	0.71	327.9	Pg	06:29:11.814	0.5					T__		0.8		---	MLv	15138275	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.71	327.9	Lg	06:29:22.443	0.5					T__				---		15138276	FDSN	SK	--	BUD	BUD	HHN	???	_
ABAH	1.29	71.1	Sn	06:29:41.831	0.7					T__				---		15138277	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
2018/08/08	08:46:25.71	1.95	0.75	47.8227	19.1272	13.6	5.9	0	0.0S		6	5	207	0.08	1.12	m	kx	BUD	15125919	iLoc		264
2018/08/08	08:46:26.04f		0.58	47.8355	19.1270f				0.0S		6		197	0.07	1.12	m	kx	BUD_GT	15135755	BUD		263

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

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.0	3 BUD	15125919
ML	2.0	0.0	3 BUD	15135755

Sta	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	08:46:28.063	0.1					T__		331.7		---	MLv	15138278	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	08:46:28.849	-0.8					T__				---		15138279	FDSN	Z3	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Lg	08:46:40.292	-0.3					T__				---		15138280	FDSN	Z3	00	BUD	BUD	HH2	???	_
PSZ	0.52	80.6	Lg	08:46:44.903	-1.1					T__				---		15138281	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	0.69	343.6	Pg	08:46:40.195	0.2					T__		0.7		---	MLv	15138282	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
KECS	1.12	54.0	Pg	08:46:48.538	0.4					T__		7.7		---	MLv	15138283	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
2018/08/08	08:59:50.45	1.19	1.10	48.5758	20.7509	9.7	4.6	171	0.0S		11	7	147	0.20	1.28	m	kx	BUD	15125940	iLoc		202

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

Magnitude	Err	Nsta	Author	OrigID
M	1.4		5 BUD	15125940

Sta	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	242.4	Pg	08:59:54.604	-0.0					T__				---		15125942	FDSN	SK	--	BUD	iLoc	EHE	???	_

KECS	0.20	242.4	Lg	08:59:58.249	0.4	T__	---	15125943	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.43	130.5	Pg	09:00:00.561	1.3	T__	---	15125944	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	0.43	130.5	Lg	09:00:05.838	-0.7	T__	---	15125945	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	55.0	Pg	09:00:01.902	0.5	T__	---	15125946	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	221.3	Pg	09:00:09.176	0.4	T__	---	15125947	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	221.3	Lg	09:00:22.182	-0.2	T__	---	15125948	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.22	254.3	Sn	09:00:32.230	0.0	T__	---	15125949	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.27	109.8	Sn	09:00:32.393	-2.1	T__	---	15125950	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.28	267.0	Pn	09:00:15.349	0.6	T__	---	15125951	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	267.0	Sn	09:00:32.455	-1.5	T__	---	15125952	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
2018/08/08	09:33:50.45	1.88	0.84	47.2301	18.3881	26.4	6.9	76	0.0S		4	3	170	0.16	1.03	m	kx BUD	15125953	iLoc			327
2018/08/08	09:33:50.71f		0.74	47.2302	18.2835f				0.0S		4		187	0.13	1.04	m	kx BUD_GT	15135762	BUD			344
(locality : Iszkaszentgyörgy Hungary)																						
(description : known quarry blast)																						
(GT info : GT2 explosion)																						

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.13	353.4	Pg	09:33:54.665	0.6					T__						15138284	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	09:33:56.743	0.0					T__						15138285	FDSN	HU	--	BUD	BUD	HHN	???	_
A269A	0.41	9.3	Lg	09:34:05.266	-0.8					T__						15138286	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	1.04	166.1	Lg	09:34:26.171	-1.1					T__						15138287	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	
2018/08/08	11:20:09.84	1.47	1.00	47.9377	20.0704	14.2	5.2	167	0.0S		8	4	195	0.12	1.00	m	kx BUD	15125959	iLoc				233
2018/08/08	11:20:09.88f		1.45	47.8987	20.0893f				0.0S		9		216	0.13	1.03	m	kx BUD_GT	15135767	BUD				254
(locality : Recsk Hungary)																							
(description : known quarry blast)																							
(GT info : GT2 explosion)																							

Magnitude Err Nsta Author OrigID

M 1.6 4 BUD 15135767

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.13	278.6	Pg	11:20:13.164	-0.2					T__						15138288	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.13	278.6	Lg	11:20:15.867	-0.2					T__						15138289	FDSN	GE	--	BUD	BUD	BHN	???	_
KECS	0.64	24.2	Pg	11:20:25.534	2.8					T__						15138290	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.64	24.2	Lg	11:20:32.413	-0.2					T__						15138291	FDSN	SK	--	BUD	BUD	EHE	???	_
A336A	0.80	295.0	Lg	11:20:35.756	-2.2					T__						15138292	FDSN	Z3	00	BUD	BUD	HH2	???	_
ABAH	0.87	62.3	Pn	11:20:28.670	0.2					T__						15138293	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.87	62.3	Lg	11:20:39.768	-1.7					T__						15138294	FDSN	HU	--	BUD	BUD	HHN	???	_
VYHS	1.03	305.9	Pg	11:20:30.411	-0.1					T__						15138295	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Lg	11:20:43.887	-1.8					T__						15138296	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
2018/08/09	10:15:43.01	1.18	1.10	48.2178	21.2309	7.0	4.4	170	0.0S	11	6	156	0.08	1.00	m	kx	BUD	15125970	iLoc			203
2018/08/09	10:15:43.26f		1.15	48.2470	21.2460f				0.0S	11		153	0.05	0.97	m	kx	BUD_GT	15137085	BUD			198

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	4	BUD	15137085

Sta	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	10:15:45.063	0.2					T__						15138297	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	10:15:46.934	0.7					T__						15138298	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	10:15:54.948	0.5					T__						15138299	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	10:16:03.709	0.7					T__						15138300	FDSN	SK	--	BUD	BUD	EHE	???	_
HOLU	0.81	69.3	Pn	10:16:00.647	-0.8					T__						15138301	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:16:13.460	0.9					T__						15138302	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	10:16:00.845	0.6					T__						15138303	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	10:16:14.566	-0.6					T__						15138304	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pg	10:16:04.471	0.9					T__						15138305	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	10:16:15.469	-3.0					T__						15138306	FDSN	GE	--	BUD	BUD	BHE	???	_
KOLS	0.97	44.4	Lg	10:16:18.567	1.1					T__						15138307	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
2018/08/09	10:26:49.88	1.44	1.24	48.2437	21.2148	9.9	4.6	1	0.0S	9	5	153	0.05	0.94	m	kx	BUD	15125983	iLoc			199
2018/08/09	10:26:49.98f		0.97	48.2470	21.2460f				0.0S	9		153	0.05	0.96	m	kx	BUD_GT	15137088	BUD			198

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.8	3 BUD	15125983
ML	1.8	0.8	3 BUD	15137088

Sta	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	10:26:51.232	-0.3					T__		716.5			MLv	15138308	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:26:52.695	-0.3					T__						15138309	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	10:27:01.307	0.1					T__		9.0			MLv	15138310	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:27:09.494	-0.3					T__						15138311	FDSN	SK	--	BUD	BUD	EHN	???	_
HOLU	0.81	69.3	Pn	10:27:06.878	-1.3					T__						15138312	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:27:19.278	0.0					T__						15138313	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	10:27:08.568	-0.5					T__		1.7			MLv	15138314	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	10:27:20.591	-1.3					T__						15138315	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	10:27:23.027	-2.2					T__						15138316	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
2018/08/10	09:22:52.52	1.58	1.17	48.5896	20.7141	9.5	5.5	13	0.0S	9	5	185	0.19	1.25	m	kx	BUD	15126007	iLoc			274

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

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15126007

Sta	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	235.0	Pg	09:22:56.625	0.2					T__						15126009	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.19	235.0	Lg	09:23:00.065	0.6					T__						15126010	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.46	129.8	Pg	09:23:03.251	1.4					T__						15126011	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.46	129.8	Lg	09:23:07.261	-2.3					T__						15126012	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	219.5	Pg	09:23:10.982	0.2					T__						15126013	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	219.5	Lg	09:23:23.966	-0.3					T__						15126014	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.00	304.8	Pg	09:23:12.398	0.3					T__						15126015	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.25	266.3	Pg	09:23:17.400	-0.1					T__		0.0				15126016	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.25	266.3	Sn	09:23:35.400	0.0					T__		0.0				15126017	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
2018/08/11	09:14:18.65	1.46	0.68	46.1682	18.2825	8.9	5.0	154	0.0S		7	4	131	0.15	0.79	m	kx BUD	15126018	iLoc			255
2018/08/11	09:14:18.55f		0.57	46.1765	18.2926f				0.0S		7		134	0.16	0.80	m	kx BUD_GT	15137091	BUD			257

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

Magnitude Err Nsta Author OrigID
 ML 0.9 0.8 3 BUD 15126018
 ML 0.9 0.8 3 BUD 15137091

Sta	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	09:14:22.716	0.3					T__		15.1			MLv	15138317	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:14:25.332	-0.2					T__						15138318	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.25	80.7	Pg	09:14:24.725	0.7					T__		1.8			MLv	15138319	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:14:28.381	-0.0					T__						15138320	FDSN	HU	--	BUD	BUD	BHN	???	_
A265A	0.42	305.9	Lg	09:14:33.968	-0.6					T__						15138321	FDSN	Z3	00	BUD	BUD	HHE	???	_
A252A	0.80	202.9	Pg	09:14:35.016	0.2					T__		3.1			MLv	15138322	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	09:14:45.972	-1.1					T__						15138323	FDSN	Z3	--	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
2018/08/13	06:36:37.93	0.12	0.35	46.0445	22.8359	1.1	0.9	111	7.3F	1.6	25		67	0.16	1.77	a	ke BUC	15108128	ISC			360
2018/08/13	06:36:37.45	1.06	0.62	46.0652	22.8310	3.4	2.8	103	5.1F	9.2	46	14	69	0.18	1.78	m	ke BUD	15126040	iLoc			93

Magnitude Err Nsta Author OrigID
 ml 1.6 BUC 15108128
 M 1.7 6 BUD 15126040

Sta	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	165.3	Pg	06:36:41.200	0.1					T__						15126042	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.18	165.3	Lg	06:36:44.039	0.1					T__						15126043	FDSN	RO	--	BUD	iLoc	BHN	???	_

DEV	0.19	164.5	Pg	06:36:41.332	0.1	T__									15126044	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.19	164.5	Pg	06:36:41.332	0.1	T__									15126045	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.19	164.5	Lg	06:36:43.893	-0.1	T__									15126046	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	238.0	Pg	06:36:48.880	0.0	T__									15126047	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	238.0	Pg	06:36:48.880	0.0	T__									15126048	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	238.0	Lg	06:36:56.520	-0.8	T__									15126049	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	18.0	Pg	06:36:50.706	0.3	T__									15126051	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	18.0	Pg	06:36:50.706	0.3	T__									15126050	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	18.0	Lg	06:36:59.894	-0.9	T__									15126052	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	183.3	Pg	06:36:50.457	-0.0	T__									15126053	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	183.3	Pg	06:36:50.457	-0.0	T__									15126054	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	183.3	Pg	06:36:50.617	0.1	T__									15126055	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.67	183.3	Lg	06:37:00.034	-0.2	T__									15126056	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.73	353.5	Pg	06:36:53.045	0.9	T__									15126057	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.5	Pg	06:36:53.045	0.9	T__									15126058	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.5	Lg	06:37:03.285	-0.7	T__									15126059	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.5	Pg	06:36:53.317	1.2	T__									15126060	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.73	353.5	Lg	06:37:03.427	-0.6	T__									15126061	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.84	284.3	Pg	06:36:54.010	-0.4	T__									15126062	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.84	284.3	Lg	06:37:07.028	-0.1	T__									15126063	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.84	39.0	Pg	06:36:54.098	0.2	T__									15126064	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.84	39.0	Pg	06:36:54.098	0.2	T__									15126065	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.84	39.0	Lg	06:37:06.326	-0.7	T__									15126066	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	284.4	Pg	06:36:53.813	-0.6	T__									15126067	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	284.4	Pg	06:36:53.813	-0.6	T__									15126068	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	284.4	Lg	06:37:05.574	-1.6	T__									15126069	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	132.9	Pn	06:36:55.560	-0.4	T__									15126070	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	132.9	Pn	06:36:55.560	-0.4	T__									15126071	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	132.9	Lg	06:37:06.891	-1.0	T__									15126072	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	133.0	Pg	06:36:55.175	0.3	T__									15126073	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.94	242.2	Pg	06:36:56.491	0.6	T__									15126074	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.94	242.2	Lg	06:37:10.478	1.0	T__									15126075	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.96	242.6	Lg	06:37:09.734	-0.3	T__									15126076	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.0	Pg	06:37:00.905	0.2	T__									15126077	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.0	Pg	06:37:00.905	0.2	T__									15126078	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.0	Lg	06:37:17.619	-0.4	T__									15126079	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	211.9	Pn	06:37:05.278	0.9	T__									15126080	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	211.9	Pn	06:37:05.278	0.9	T__									15126081	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	211.9	Sn	06:37:25.395	-0.2	T__									15126082	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	111.2	Pn	06:37:07.730	0.5	T__									15126083	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	111.2	Pn	06:37:07.730	0.5	T__									15126084	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	111.2	Sn	06:37:30.185	-0.4	T__									15126085	FDSN	IR	--	ISC	iLoc	???	???	_
DOPR	1.78	92.2	Pn	06:37:09.167	0.5	T__									15126086	FDSN	IR	--	ISC	iLoc	???	???	_
DOPR	1.78	92.2	Pn	06:37:09.167	0.5	T__									15126087	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
2018/08/13	06:40:12.97	0.14	0.37	46.0486	22.8280	1.2	1.0	88	5.0A		22		93	0.17	1.67	a	ke BUC	15108218	ISC			360
2018/08/13	06:40:12.33	1.14	0.70	46.0680	22.8397	3.6	2.9	80	8.6F	6.6	42	11	93	0.19	1.67	m	ke BUD	15126088	iLoc			118

Magnitude	Err	Nsta	Author	OrigID
ml	1.4		BUC	15108218

M 1.7 5 BUD 15126088

Sta	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	167.3	Pg	06:40:16.160	-0.0					T__						15126090	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.19	167.3	Lg	06:40:18.791	-0.4					T__						15126091	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.19	166.5	Lg	06:40:19.268	-0.0					T__						15126092	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	238.1	Pg	06:40:23.768	-0.2					T__						15126093	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	238.1	Pg	06:40:23.768	-0.2					T__						15126094	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	238.1	Lg	06:40:31.913	-0.6					T__						15126095	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	17.5	Pg	06:40:25.150	-0.1					T__						15126096	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	17.5	Pg	06:40:25.150	-0.1					T__						15126097	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	17.5	Lg	06:40:34.786	-0.8					T__						15126098	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	183.8	Pg	06:40:25.508	0.0					T__						15126099	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.68	183.8	Pg	06:40:25.668	0.2					T__						15126100	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	183.8	Pg	06:40:25.668	0.2					T__		0.1				15126101	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	183.8	Lg	06:40:34.890	-0.4					T__		0.1				15126102	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	183.8	Lg	06:40:35.064	-0.2					T__						15126103	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.73	353.0	Pg	06:40:27.639	0.6					T__						15126105	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.0	Pg	06:40:27.639	0.6					T__						15126104	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.0	Lg	06:40:38.271	-0.6					T__						15126106	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.0	Pg	06:40:27.516	0.5					T__						15126107	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.73	353.0	Lg	06:40:38.387	-0.5					T__						15126108	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.84	284.0	Pg	06:40:28.901	-0.5					T__						15126109	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.84	284.0	Lg	06:40:41.849	-0.2					T__						15126110	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.84	284.1	Pg	06:40:28.613	-0.9					T__						15126111	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	284.1	Pg	06:40:28.613	-0.9					T__		0.1				15126112	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	284.1	Lg	06:40:40.728	-1.3					T__		0.1				15126113	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	133.3	Pg	06:40:30.007	0.3					T__						15126114	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	133.3	Pg	06:40:30.007	0.3					T__						15126115	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	133.3	Lg	06:40:42.267	-0.6					T__						15126116	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	133.4	Pg	06:40:28.278	-1.5					T__						15126117	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	0.90	133.4	Lg	06:40:41.849	-1.1					T__						15126118	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.95	242.2	Lg	06:40:44.550	-0.1					T__						15126119	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.97	242.6	Pg	06:40:31.248	0.0					T__						15126120	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	242.6	Pg	06:40:31.248	0.0					T__						15126121	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	242.6	Lg	06:40:44.090	-1.0					T__						15126122	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.2	Pg	06:40:35.671	-0.1					T__						15126123	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.2	Pg	06:40:35.671	-0.1					T__						15126124	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	194.2	Lg	06:40:52.342	-0.4					T__						15126125	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.1	Pg	06:40:41.150	-0.4					T__						15126126	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.1	Pg	06:40:41.150	-0.4					T__						15126127	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	212.1	Sn	06:41:01.465	1.5					T__						15126128	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.67	111.4	Pg	06:40:43.557	-0.9					T__						15126129	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.67	111.4	Pg	06:40:43.557	-0.9					T__						15126130	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.67	111.4	Sn	06:41:06.177	1.5					T__						15126131	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
2018/08/13	06:43:17.41	0.13	0.34	46.0330	22.8466	1.1	0.9	104	5.8F	1.6	23	73	0.15	1.65	a	ke	BUC	15108291	ISC			360
2018/08/13	06:43:16.75	1.09	0.54	46.0682	22.8293	3.6	3.1	115	4.8F	9.8	42	13	72	0.19	1.68	m	ke	BUD	15126132	iLoc		93

Magnitude Err Nsta Author OrigID

m1 1.5 BUC 15108291
M 1.7 5 BUD 15126132

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
DEV	0.19	165.2	Pg	06:43:20.773	0.3					T__						15126134	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.19	165.2	Lg	06:43:23.681	0.4					T__						15126135	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.19	164.4	Pg	06:43:20.438	-0.1					T__						15126136	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.19	164.4	Pg	06:43:20.438	-0.1					T__						15126137	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.19	164.4	Lg	06:43:23.104	-0.3					T__						15126138	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	237.7	Pg	06:43:28.454	0.3					T__						15126139	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	237.7	Pg	06:43:28.454	0.3					T__						15126140	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.58	237.7	Lg	06:43:36.437	-0.2					T__						15126141	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	18.1	Pg	06:43:30.029	0.4					T__						15126142	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	18.1	Pg	06:43:30.029	0.4					T__						15126143	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	18.1	Lg	06:43:39.484	-0.5					T__						15126144	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	183.1	Pg	06:43:30.048	0.2					T__						15126146	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	183.1	Pg	06:43:30.048	0.2					T__						15126145	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	183.1	Pg	06:43:30.190	0.4					T__						15126147	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.68	183.1	Lg	06:43:39.261	-0.3					T__						15126148	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.73	353.6	Pn	06:43:32.790	-0.2					T__						15126149	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.6	Pn	06:43:32.790	-0.2					T__						15126150	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.6	Lg	06:43:43.044	-0.2					T__						15126151	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	353.6	Pn	06:43:32.336	-0.6					T__						15126152	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.73	353.6	Lg	06:43:42.931	-0.3					T__						15126153	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.83	284.1	Pn	06:43:34.068	-0.1					T__						15126154	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.83	284.1	Lg	06:43:46.670	0.3					T__						15126155	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.84	39.2	Lg	06:43:45.913	-0.4					T__						15126156	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.84	39.2	Lg	06:43:45.913	-0.4					T__						15126157	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.84	284.2	Lg	06:43:45.853	-0.6					T__						15126158	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	133.0	Pg	06:43:33.789	-0.4					T__						15126159	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	133.0	Pg	06:43:33.789	-0.4					T__						15126160	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.90	133.0	Lg	06:43:46.117	-1.2					T__						15126161	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.94	242.0	Pn	06:43:35.668	0.2					T__						15126162	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.94	242.0	Lg	06:43:48.825	0.0					T__						15126163	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.96	242.4	Pg	06:43:35.499	-0.0					T__						15126164	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.96	242.4	Pg	06:43:35.499	-0.0					T__						15126165	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.96	242.4	Lg	06:43:47.963	-1.4					T__						15126166	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.9	Pg	06:43:40.433	0.3					T__						15126167	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.9	Pg	06:43:40.433	0.3					T__						15126168	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.9	Sn	06:43:56.834	-0.7					T__						15126169	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	211.8	Pn	06:43:44.387	0.6					T__						15126170	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	211.8	Pn	06:43:44.387	0.6					T__						15126171	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.51	211.8	Sn	06:44:05.266	0.2					T__						15126172	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	111.3	Pn	06:43:47.804	1.2					T__						15126173	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	111.3	Pn	06:43:47.804	1.2					T__						15126174	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	111.3	Sn	06:44:09.590	-0.4					T__						15126175	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
2018/08/13 08:59:49.10 2.10 0.78 48.6202 20.7895 17.9 5.7 11 0.0S 9 5 231 0.24 1.30 m kx BUD 15126176 iLoc 315

Magnitude Err Nsta Author OrigID

M 1.5 4 BUD 15126176

Sta	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	235.9	Pg	08:59:54.222	0.1					T__						15126178	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.24	235.9	Lg	08:59:58.358	0.3					T__						15126179	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.44	137.1	Pg	08:59:58.259	0.2					T__						15126180	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	137.1	Lg	09:00:04.643	-1.0					T__						15126181	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.92	220.7	Pn	09:00:09.621	1.0					T__						15126182	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.92	220.7	Lg	09:00:21.859	-0.9					T__						15126183	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.25	252.7	Lg	09:00:32.096	-0.4					T__						15126184	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.30	265.2	Pg	09:00:14.756	-0.3					T__						15126185	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	265.2	Sn	09:00:32.621	-0.7					T__						15126186	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
2018/08/14	00:04:35.90		0.40	45.9300	16.0200				3.2A							a	ke LJU	15108361	ISC			360
2018/08/14	00:04:35.61	0.36	0.31	45.9397	15.9950	2.3	1.3	105	15.0F	0.0	18	3	0.99	1.15	a	ke VIE	15108358	ISC				360
2018/08/14	00:04:35.53	1.26	0.50	45.9304	16.0275	3.6	3.1	142	2.3F	13.6	36	17	73	0.05	1.18	m	ke BUD	15126187	iLoc			139

Magnitude	Err	Nsta	Author	OrigID
ML	0.9		LJU	15108361
mI	1.1		VIE	15108358
M	1.7	5	BUD	15126187

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PTJ	0.05	240.8	Pg	00:04:36.691	-0.1					T__						15126189	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.05	240.8	Lg	00:04:37.428	-0.3					T__						15126190	FDSN	CR	--	BUD	iLoc	BHE	???	_
ZAG	0.11	195.3	Pg	00:04:38.217	0.3					T__						15126191	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.11	195.3	Lg	00:04:40.531	0.8					T__						15126192	FDSN	CR	--	BUD	iLoc	BHE	???	_
LOBO	0.23	7.3	Pg	00:04:40.800	0.5					T__						15126193	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.23	7.3	Lg	00:04:44.020	0.1					T__						15126194	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.29	257.4	Pg	00:04:41.380	0.1					T__						15126195	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.29	257.4	Lg	00:04:45.550	-0.1					T__						15126196	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.29	257.4	IAML	00:04:46.990	-99.0					---		8.6	0.13	---		15126197	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.29	286.1	Pg	00:04:41.710	0.3					T__						15126198	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.29	286.1	Lg	00:04:46.080	0.0					T__						15126199	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.29	286.1	IAML	00:04:48.430	-99.0					---		3.0	0.11	---		15126200	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.36	55.9	Pg	00:04:43.290	0.2					T__						15126201	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.36	55.9	Lg	00:04:48.270	-0.6					T__						15126202	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.40	276.4	Pg	00:04:44.000	0.7					T__						15126203	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.40	276.4	Lg	00:04:49.480	0.1					T__						15126204	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.40	276.4	IAML	00:04:51.120	-99.0					---		9.8	0.15	---		15126205	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.41	255.5	Pg	00:04:43.620	0.0					T__						15126206	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.41	255.5	Lg	00:04:49.690	-0.3					T__						15126207	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.41	255.5	IAML	00:04:52.200	-99.0					---		4.4	0.12	---		15126208	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.45	299.6	Pg	00:04:44.520	0.3					T__						15126209	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.45	299.6	Lg	00:04:51.380	0.5					T__						15126210	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.45	299.6	IAML	00:04:52.270	-99.0					---		3.5	0.10	---		15126211	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.50	272.4	Pg	00:04:45.460	0.3					T__						15126212	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.50	272.4	Lg	00:04:52.690	-0.0					T__						15126213	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.50	231.4	Pg	00:04:45.570	0.3					T__						15126214	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.50	231.4	Lg	00:04:52.390	-0.4					T__						15126215	FDSN	IR	--	ISC	iLoc	???	???	_

KOGS	0.54	16.6	Pg	00:04:46.700	0.4	T__	---	15126216	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	0.54	16.6	Pg	00:04:47.217	0.9	T__	---	15126217	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
KOGS	0.54	16.6	Lg	00:04:54.468	0.2	T__	---	15126218	FDSN	SL	--	BUD	iLoc	BHN	???	_	
MOSL	0.60	121.7	Pg	00:04:47.370	-0.3	T__	---	15126219	FDSN	IR	--	ISC	iLoc	???	???	_	
MOSL	0.60	121.7	Lg	00:04:56.240	-0.4	T__	---	15126220	FDSN	IR	--	ISC	iLoc	???	???	_	
AO21A	0.84	350.5	Pg	00:04:52.267	0.5	T__	---	15126221	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
AO21A	0.84	350.5	Lg	00:05:01.977	-1.5	T__	---	15126222	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
SOKA	1.02	317.7	Pg	00:04:54.769	-0.3	T__	---	0.8 0.34	15126223	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.02	317.7	Lg	00:05:08.543	-0.9	T__	---	0.9 0.50	15126224	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.09	195.3	Lg	00:05:12.370	0.1	T__	---	---	15126225	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.18	299.9	Pg	00:04:57.393	-0.6	T__	---	0.3 0.22	15126226	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.18	299.9	Lg	00:05:14.555	-0.6	T__	---	2.0 0.32	15126227	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.18	300.0	Pg	00:04:58.257	0.3	T__	---	---	15126228	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.18	300.0	Lg	00:05:15.228	0.1	T__	---	---	15126229	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
2018/08/14	08:02:25.93	1.27	0.86	47.8324	19.8517	12.2	4.8	154	0.05	11	6	184	0.09	1.17	m	kx	BUD	15126230	iLoc		214	
(description : known quarry blast)																						
(locality : Gyöngyöstarján Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	5	BUD	15126230

Sta	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	18.5	Pg	08:02:28.320	-0.2					T__						15126232	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.09	18.5	Lg	08:02:30.343	-0.4					T__						15126233	FDSN	GE	--	BUD	iLoc	BHE	???	_
A270A	0.56	271.6	Pg	08:02:37.542	-0.1					T__						15126234	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.56	271.6	Lg	08:02:47.122	0.7					T__						15126235	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.70	305.3	Lg	08:02:50.354	-0.1					T__						15126236	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KECS	0.78	32.9	Pn	08:02:43.585	0.4					T__						15126237	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.78	32.9	Lg	08:02:53.887	0.6					T__						15126238	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	1.04	63.0	Pn	08:02:48.114	1.1					T__						15126239	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.04	63.0	Lg	08:03:02.680	-0.8					T__						15126240	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	1.17	247.0	Pg	08:02:49.332	-0.0					T__						15126241	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	1.17	247.0	Sn	08:03:04.813	-1.6					T__						15126242	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2018/08/14	08:15:50.98	1.60	1.07	48.6542	20.9670	18.0	6.6	155	0.05	6	4	167	0.36	1.42	m	kx	BUD	15126243	iLoc		320	
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.7	3 BUD	15126243

Sta	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	0.36	242.0	Pg	08:15:59.100	0.8					T__		0.5				15126245	FDSN	IR	--	ISC	iLoc	???	???	_	
KECS	0.36	242.0	Pg	08:16:03.119	4.8					---	9.7	52.5		---	MLv	2.0	15126246	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
(Station ML : 2.0 1																									

KOLS	0.91	71.6	Pg	08:16:08.600	0.4	T__				4.4	---			15126247	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.03	224.6	Pg	08:16:13.312	0.8	T__	2.1			3.0	---	MLv	1.5	15126248	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	1.03	224.6	Lg	08:16:26.903	-1.2	T__					---			15126249	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																						
VYHS	1.42	264.3	Pg	08:16:19.797	0.5	T__	1.4			0.4	---	MLv	0.9	15126250	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.42	264.3	Sn	08:16:37.897	-0.5	T__					---			15126251	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
2018/08/14	09:12:40.79	1.45	0.70	47.0664	18.0389	7.4	6.7	92	0.0A		6	4	126	0.33	0.98	m	ke BUD	15126293	iLoc			226

Magnitude	Err	Nsta	Author	OrigID
MLv	1.9	0.4	2 BUD	15126293

Sta	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	0.33	26.9	Pg	09:12:47.834	-0.2				T__		3.9	92.8			MLv	2.2	15126295	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.33	26.9	Lg	09:12:53.596	0.0				T__							15126296	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
MPLH	0.36	287.1	Pg	09:12:48.345	-0.1				T__	13.6	20.4				MLv	1.6	15126297	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.36	287.1	Lg	09:12:54.645	0.4				T__							15126298	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORH	0.95	153.7	Lg	09:13:15.007	0.9				T__							15126299	FDSN	HU	--	BUD	iLoc	BHE	???	_	
KOVH	0.98	177.5	Lg	09:13:14.814	-0.7				T__							15126300	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	
2018/08/14	10:30:23.77	0.27	0.34	46.1050	21.6459	2.8	1.2	98	11.0F	1.9	13		183	0.16	1.32	a	ke BUC	15108441	ISC				360
2018/08/14	10:30:23.54	1.16	0.70	46.1185	21.6432	9.1	3.8	93	6.8F	8.9	24		7	185	0.15	1.34	m	ke BUD	15126267	iLoc			226

Magnitude	Err	Nsta	Author	OrigID
ml	1.1		BUC	15108441
M	1.5	4	BUD	15126267

Sta	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	5.3	Pg	10:30:27.124	0.0				T__							15126269	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.15	5.3	Lg	10:30:28.872	-1.0				T__							15126270	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.15	4.4	Lg	10:30:30.098	0.2				T__			0.2				15126271	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	137.2	Pg	10:30:33.034	-0.3				T__							15126272	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	137.2	Pg	10:30:33.034	-0.3				T__							15126273	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.50	137.2	Lg	10:30:39.731	-0.8				T__							15126274	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.50	180.3	Pg	10:30:33.771	0.3				T__							15126275	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.50	180.3	Lg	10:30:40.390	-0.5				T__							15126276	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.50	182.1	Pg	10:30:33.647	0.1				T__							15126277	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.50	182.1	Pg	10:30:33.647	0.1				T__							15126278	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	47.2	Pn	10:30:43.851	0.7				T__							15126279	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	47.2	Pn	10:30:43.851	0.7				T__							15126280	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	47.2	Pg	10:30:44.136	0.7				T__							15126281	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.00	47.2	Sn	10:30:57.225	-1.4				T__							15126282	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.08	132.0	Pn	10:30:44.644	0.7				T__							15126283	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	132.0	Pn	10:30:44.644	0.7				T__							15126284	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.08	132.0	Pg	10:30:45.461	1.3				T__							15126285	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.08	132.0	Lg	10:30:59.337	-0.5				T__							15126286	FDSN	IR	--	ISC	iLoc	???	???	_

GZR	1.08	132.0	Lg	10:30:59.536	-0.3	T__	---	15126287	FDSN	RO	--	BUD	iLoc	BHE	???	_
MARR	1.16	60.8	Pn	10:30:45.928	0.3	T__	---	15126288	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	60.8	Pn	10:30:45.928	0.3	T__	---	15126289	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	60.8	Sn	10:31:02.306	-0.7	T__	---	15126290	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	177.9	Sn	10:31:06.293	-0.4	T__	---	15126291	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	177.9	Sn	10:31:06.293	-0.4	T__	---	15126292	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
2018/08/15	06:24:52.46	3.40	1.78	47.8402	20.0869	23.9	6.1	171	0.0S		8	5	242	0.15	1.59	m	kx BUD	15126309	iLoc			278
(description : known quarry blast)																						
(locality : Recsk Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.2	3 BUD	15126309

Sta	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	301.2	Pg	06:24:56.452	0.2					T__	73.7	118.7		---	MLv	1.8	15126311	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.15	301.2	Lg	06:24:59.169	-0.2					T__				---		15126312	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.8 1																									
KECS	0.70	22.4	Pg	06:25:07.355	0.9					T__	1.8	11.1		---	MLv	1.9	15126313	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.70	22.4	Lg	06:25:15.520	-1.5					T__				---		15126314	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.9 1																									
ABAH	0.90	59.0	Lg	06:25:23.164	-1.9					T__				---		15126315	FDSN	HU	--	BUD	iLoc	HHE	???	_	
VYHS	1.06	308.5	Pg	06:25:14.492	0.7					T__	2.0	0.7		---	MLv	0.9	15126316	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.06	308.5	Lg	06:25:27.021	-2.4					T__				---		15126317	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.9 1																									
NIE	1.59	5.3	Sn	06:25:45.939	1.6					T__				---		15126318	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	
2018/08/16	07:58:12.69	1.70	1.19	48.5603	18.7605	13.0	4.4	27	0.0S		10	6	196	0.08	0.99	m	kx BUD	15126332	iLoc				241
(description : known quarry blast)																							
(locality : Bzenica Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
M	1.6		5 BUD	15126332

Sta	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	0.08	142.8	Pg	07:58:15.042	0.4					T__				---		15126334	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.08	142.8	Lg	07:58:16.081	0.0					T__				---		15126335	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.30	248.3	Pg	07:58:19.113	0.1					T__				---		15126336	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.30	248.3	Lg	07:58:23.342	-0.4					T__				---		15126337	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.36	154.0	Pg	07:58:21.597	1.5					T__				---		15126338	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.36	154.0	Lg	07:58:25.228	-0.4					T__				---		15126339	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A337A	0.72	244.3	Pg	07:58:27.311	0.0					T__				---		15126340	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.78	292.9	Pg	07:58:28.718	0.3					T__				---		15126341	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.78	292.9	Lg	07:58:40.489	0.5					T__				---		15126342	FDSN	CZ	--	BUD	iLoc	BHN	???	_
PSZ	0.99	129.9	Lg	07:58:46.237	-2.6					T__				---		15126343	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
2018/08/16	09:50:46.10	1.20	0.53	47.8275	19.1714	5.8	4.9	21	0.0S	13	8	117	0.10	1.44	m	kx	BUD	15126344	iLoc			212
2018/08/16	09:50:46.28f		0.58	47.8355	19.1270f				0.0S	13		110	0.07	1.41	m	kx	BUD_GT	15135792	BUD			203

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	7	BUD	15135792

Sta	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	09:50:49.057	0.8					T__						15138324	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.07	277.6	Lg	09:50:50.370	0.5					T__						15138325	FDSN	Z3	00	BUD	BUD	HHE	???	_
BUD	0.36	191.2	Lg	09:50:59.394	-0.8					T__						15138326	FDSN	HU	--	BUD	BUD	BHN	???	_
A336A	0.41	347.9	Pg	09:50:55.295	0.6					T__						15138327	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.41	347.9	Lg	09:51:01.012	0.1					T__						15138328	FDSN	Z3	00	BUD	BUD	HH2	???	_
PSZ	0.52	80.6	Pg	09:50:56.971	-0.7					T__						15138329	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.52	80.6	Lg	09:51:04.934	-1.3					T__						15138330	FDSN	GE	--	BUD	BUD	BHN	???	_
VVHS	0.69	343.6	Pg	09:51:00.571	0.4					T__						15138331	FDSN	SK	--	BUD	BUD	HHZ	???	_
VVHS	0.69	343.6	Lg	09:51:10.196	-0.3					T__						15138332	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	0.81	319.4	Pn	09:51:03.682	-0.2					T__						15138333	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MPLH	1.27	238.8	Pn	09:51:10.612	0.3					T__						15138334	FDSN	HU	--	BUD	BUD	BHZ	???	_
JAVC	1.41	317.1	Pg	09:51:14.489	0.2					T__						15138335	FDSN	CZ	--	BUD	BUD	BHZ	???	_
JAVC	1.41	317.1	Lg	09:51:34.847	-0.2					T__						15138336	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
2018/08/16	09:56:59.72	1.55	1.28	47.8521	19.1515	9.9	4.8	0	0.0S	8	6	183	0.09	0.81	m	kx	BUD	15126359	iLoc			280

(description : known quarry blast)
 (locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID	
ML	1.3	0.5	3	BUD	15126359

Sta	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	0.09	265.7	Pg	09:57:02.761	0.8					T__	9.9	26.1				15126361	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A270A	0.09	265.7	Lg	09:57:04.453	0.6					T__						15126362	FDSN	Z3	00	BUD	iLoc	HHN	???	_
(Station ML : 1.0 1																								
A336A	0.39	345.0	Lg	09:57:14.662	0.8					T__						15126363	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	0.50	82.2	Pg	09:57:11.490	0.8					T__	2.3	3.9				15126364	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.50	82.2	Lg	09:57:17.445	-1.5					T__						15126365	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.3 1																								
A338A	0.56	287.2	Pg	09:57:09.989	-1.3					T__	2.7	27.8				15126366	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
(Station ML : 2.3 1																								
VVHS	0.68	341.9	Lg	09:57:24.369	0.9					T__						15126367	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.81	317.8	Lg	09:57:26.794	-1.1					T__						15126368	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
2018/08/16	10:27:15.46	0.98	0.84	48.1184	18.8787	4.3	3.8	76	13.6F	8.0	26	14	54	0.14	1.88	m	ke BUD	15126382	iLoc			103

Magnitude	Err	Nsta	Author	OrigID
M	2.0	10	BUD	15126382

Sta	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	34.9	Pg	10:27:19.766	0.5					T__						15126384	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.14	34.9	Lg	10:27:21.893	-0.2					T__						15126385	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A270A	0.29	161.0	Pg	10:27:22.196	0.3					T__						15126386	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.29	161.0	Lg	10:27:26.064	-0.6					T__						15126387	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.37	253.9	Pg	10:27:23.767	0.5					T__						15126388	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.37	253.9	Lg	10:27:27.272	-1.6					T__						15126389	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	0.38	355.7	Pg	10:27:23.830	0.4					T__						15126390	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.38	355.7	Lg	10:27:28.719	-0.5					T__						15126391	FDSN	SK	--	BUD	iLoc	HHN	???	_
SRO	0.49	231.4	Pg	10:27:25.746	0.2					T__						15126392	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SRO	0.49	231.4	Lg	10:27:32.791	0.1					T__						15126393	FDSN	SK	--	BUD	iLoc	EHN	???	_
A335A	0.49	312.4	Pg	10:27:25.945	0.4					T__						15126394	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.49	312.4	Lg	10:27:31.664	-1.0					T__						15126395	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.71	106.0	Pn	10:27:30.267	0.0					T__						15126396	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.71	106.0	Lg	10:27:39.360	-1.8					T__						15126397	FDSN	GE	--	BUD	iLoc	BHN	???	_
A337A	0.74	280.2	Pg	10:27:30.986	0.7					T__						15126398	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.74	338.3	Lg	10:27:39.461	-1.2					T__						15126399	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.86	209.1	Pn	10:27:32.539	0.4					T__						15126400	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.86	209.1	Sn	10:27:45.413	0.2					T__						15126401	FDSN	HU	--	BUD	iLoc	HHE	???	_
A334A	0.94	301.7	Pg	10:27:34.068	0.0					T__						15126402	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	1.09	313.1	Pg	10:27:37.602	0.5					T__						15126403	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.09	313.1	Lg	10:27:52.382	-0.0					T__						15126404	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.09	313.1	Pg	10:27:37.400	0.3					T__						15126405	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	1.09	313.1	Sn	10:27:49.300	-1.8					T__						15126406	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	1.13	70.6	Pn	10:27:36.284	0.3					T__						15126407	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	1.13	70.6	Sn	10:27:52.742	0.7					T__						15126408	FDSN	SK	--	BUD	iLoc	EHE	???	_
MORC	1.88	332.5	Sn	10:28:11.533	1.0					T__						15126409	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
2018/08/16	10:29:41.52	2.63	1.84	48.2063	21.2168	16.9	7.3	170	0.0S		6	4	232	0.09	0.84	m	kx BUD	15126410	iLoc			302
2018/08/16	10:29:42.24f		1.54	48.2470	21.2460f				0.0S		6		225	0.05	0.81	m	kx BUD_GT	15137097	BUD			285

(GT info : GT2 explosion)

(locality : Tállya Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
MLv	2.1	0.2	2 BUD	15137097

Sta	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	10:29:43.329	-0.5					T__		364.5			MLv	15138337	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:29:44.349	-0.9					T__						15138338	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Pg	10:29:53.143	-0.3					T__		14.8			MLv	15138339	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:30:00.845	-1.2					T__						15138340	FDSN	SK	--	BUD	BUD	EHN	???	_
CRVS	0.67	12.2	Lg	10:30:09.531	3.4					T__						15138341	FDSN	SK	--	BUD	BUD	HHE	???	_
HOLU	0.81	69.3	Lg	10:30:12.076	0.5					T__						15138342	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
2018/08/17	01:25:13.40			48.8900	18.1100				10.0A							a	ke GFZ	15108499	ISC			360
2018/08/17	01:25:11.62	2.00	1.52	48.8321	18.0478	20.6	10.6	155	0.0A		12	236	1.07	21.08	a	ke IDC	15108502	ISC				360
2018/08/17	01:25:11.50	0.10	0.27	48.8718	18.2315	0.6	0.5	243	11.2F	0.8	33	94	0.37	1.52	a	ke IPEC	15108483	ISC				360
2018/08/17	01:25:12.30	0.54	0.51	49.0370	18.2553	15.9	9.7	2	5.0A			325	7.29	13.78	a	ke LDG	15108494	ISC				360
2018/08/17	01:25:11.70	1.01	0.50	48.9140	18.1845	7.3	5.1	65	6.9F	7.3	22	82	0.96			a	se NEIC	15108486	ISC			360
2018/08/17	01:25:12.50			48.9000	18.1600				10.0A		23					a	ke PRU	15108497	ISC			360
2018/08/17	01:25:11.90	0.34	1.37	48.9084	18.1908	3.3	2.5	64	8.4F	2.8	59	2	1.75	5.78	a	ke VIE	15108489	ISC				360
2018/08/17	01:25:11.63	0.76	1.15	48.9021	18.2294	2.4	2.0	66	7.5F	4.7	256	125	31	0.18	21.00	m	ke BUD	15126475	iLoc			51

Magnitude	Err	Nsta	Author	OrigID
mb	3.2		GFZ	15108499
ML	2.8		IDC	15108502
MS	2.7		IDC	15108502
mb	3.5		IDC	15108502
mbtmp	3.4		IDC	15108502
ML	3.1		IPEC	15108483
Ml	3.1		LDG	15108494
ML	2.8		NEIC	15108486
mb	2.5		VIE	15108489
ml	2.6		VIE	15108489
ms	3.3		VIE	15108489
M	3.1	48	BUD	15126475

Sta	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	122.1	Lg	01:25:18.218	-0.3					T__						15126477	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A331A	0.25	358.7	Pg	01:25:16.590	-0.1					T__						15126478	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	0.25	358.7	Lg	01:25:19.486	-1.0					T__						15126479	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.37	263.5	Pg	01:25:19.243	-0.1					T__						15126480	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.37	263.5	Lg	01:25:23.057	-2.0					T__						15126481	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.37	263.5	Lg	01:25:23.700	-1.4					T__	979.1	0.39				15126482	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.46	171.1	Pg	01:25:20.854	-0.1					T__						15126483	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.46	171.1	Lg	01:25:27.311	-0.5					T__						15126484	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A334A	0.47	231.1	Pg	01:25:20.962	-0.2					T__						15126485	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MAUC	0.53	330.5	Pg	01:25:22.300	0.3					T__						15126486	FDSN	IR	--	ISC	iLoc	???	???	_
MAUC	0.53	330.5	Lg	01:25:31.200	1.5					T__						15126487	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	0.57	135.2	Pg	01:25:22.573	-0.6					T__						15126488	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.57	135.2	Lg	01:25:31.292	-0.5					T__						15126489	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	0.57	135.2	Pg	01:25:22.100	-1.1					T__		0.4				15126490	FDSN	IR	--	ISC	iLoc	???	???	_
A337A	0.72	204.1	Pn	01:25:26.631	-0.5					T__						15126491	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.72	204.1	Lg	01:25:37.305	0.9					T__						15126492	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A333A	0.77	256.3	Pn	01:25:27.972	0.2					T__						15126493	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	0.77	256.3	Lg	01:25:36.732	-1.0					T__						15126494	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A336A	0.84	142.3	Pg	01:25:27.736	-0.8					T__						15126495	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.84	142.3	Lg	01:25:39.076	-1.3					T__						15126496	FDSN	Z3	00	BUD	iLoc	HH2	???	_
LANS	0.85	72.6	Pg	01:25:27.306	-1.1					T__						15126497	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.85	72.6	Pg	01:25:27.600	-0.8					T__		1.7				15126498	FDSN	IR	--	ISC	iLoc	???	???	_
LOSC	0.91	322.4	Pg	01:25:28.800	0.0					T__						15126499	FDSN	IR	--	ISC	iLoc	???	???	_
LOSC	0.91	322.4	Lg	01:25:41.300	0.2					T__	402.8	0.44				15126500	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	0.94	356.7	Pg	01:25:29.600	0.4					T__		0.5				15126501	FDSN	IR	--	ISC	iLoc	???	???	_

OKC	0.94	356.7	Lg	01:25:41.000	-1.1	T__	222.2	0.70	---	15126502	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	0.94	356.7	Pg	01:25:29.867	0.7	T__			---	15126503	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
OKC	0.94	356.7	Lg	01:25:42.371	0.3	T__			---	15126504	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	0.98	333.1	Pg	01:25:29.903	-0.2	T__			---	15126505	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	0.98	333.1	Lg	01:25:44.390	0.9	T__			---	15126506	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MORC	0.98	333.1	Pg	01:25:30.100	0.0	T__			---	15126507	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	0.98	333.1	Pg	01:25:30.100	0.0	T__			---	15126508	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	0.98	333.1	Lg	01:25:43.464	-0.1	T__			---	15126509	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	0.98	333.1	Sg	01:25:43.600	0.1	T__			---	15126510	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	0.98	333.1	Sb	01:25:43.700	0.2	T__	367.9	0.41	---	15126511	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	0.98	333.1	Sb	01:25:43.800	0.2	T__			---	15126512	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	0.98	333.1	IAML	01:25:45.880	-99.0	---	390.4	0.60	---	15126513	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	0.98	333.1	IAML	01:25:46.680	-99.0	---	236.1	0.50	---	15126514	FDSN	IR	--	ISC	iLoc	???	???	_
ZST	1.03	227.1	Pn	01:25:31.260	-0.3	T__			---	15126515	FDSN	SK	--	BUD	iLoc	HHZ	???	_
ZST	1.03	227.1	Pg	01:25:33.300	1.2	T__	3.6		---	15126516	FDSN	IR	--	ISC	iLoc	???	???	_
ZST	1.03	227.1	Lg	01:25:46.047	-0.3	T__			---	15126517	FDSN	SK	--	BUD	iLoc	HHE	???	_
SRO	1.09	177.0	Pg	01:25:33.600	0.3	T__	6.6		---	15126518	FDSN	IR	--	ISC	iLoc	???	???	_
SRO	1.09	177.0	Pn	01:25:32.806	0.6	T__			---	15126519	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MUVC	1.09	325.7	Pg	01:25:31.800	-0.2	T__			---	15126520	FDSN	IR	--	ISC	iLoc	???	???	_
MUVC	1.09	325.7	Lg	01:25:46.800	-0.3	T__	308.9	0.40	---	15126521	FDSN	IR	--	ISC	iLoc	???	???	_
LUKC	1.11	313.0	Pn	01:25:32.600	0.0	T__			---	15126522	FDSN	IR	--	ISC	iLoc	???	???	_
LUKC	1.11	313.0	Lg	01:25:47.300	-0.3	T__	391.3	0.33	---	15126523	FDSN	IR	--	ISC	iLoc	???	???	_
A339A	1.14	199.8	Pg	01:25:33.906	-0.3	T__			---	15126524	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	1.14	199.8	Sn	01:25:48.702	-0.6	T__			---	15126525	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VRAC	1.15	291.3	Pn	01:25:31.495	-1.6	T__	23.0	0.33	---	15126526	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.15	291.3	Lg	01:25:48.000	-1.1	T__	336.3	0.32	---	15126527	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.15	291.3	Lg	01:25:48.100	-1.1	T__			---	15126528	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.15	291.3	Sn	01:25:49.020	-0.5	T__	149.0	0.33	---	15126529	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.15	291.3	Pn	01:25:32.581	-0.5	T__			---	15126530	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.15	291.3	Lg	01:25:48.750	-0.4	T__			---	15126531	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A270A	1.18	153.3	Pn	01:25:34.351	0.8	T__			---	15126532	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	1.18	153.3	Sn	01:25:50.282	-0.1	T__			---	15126533	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A002B	1.21	244.2	Pg	01:25:35.627	0.3	T__			---	15126534	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A002B	1.21	244.2	Sn	01:25:50.114	-1.0	T__			---	15126535	FDSN	Z3	00	BUD	iLoc	HH3	???	_
LIPC	1.22	321.1	Pg	01:25:34.400	0.3	T__			---	15126536	FDSN	IR	--	ISC	iLoc	???	???	_
LIPC	1.22	321.1	Lg	01:25:50.300	-0.4	T__	481.8	0.30	---	15126537	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	278.2	Pn	01:25:33.652	-0.4	T__			---	15126538	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.22	278.2	Sn	01:25:49.620	-1.6	T__			---	15126539	FDSN	CZ	--	BUD	iLoc	BHE	???	_
KRUC	1.22	278.2	Pn	01:25:33.500	-0.6	T__			---	15126540	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	278.2	Pn	01:25:33.500	-0.6	T__			---	15126541	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.22	278.2	Sn	01:25:49.900	-1.3	T__	91.4	0.43	---	15126542	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	1.27	175.3	Pn	01:25:35.096	0.4	T__			---	15126543	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	1.27	175.3	Sn	01:25:51.262	-1.2	T__			---	15126544	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ANAC	1.30	335.0	Pn	01:25:35.500	0.1	T__			---	15126545	FDSN	IR	--	ISC	iLoc	???	???	_
ANAC	1.30	335.0	Lg	01:25:52.400	-1.2	T__	202.3	0.55	---	15126546	FDSN	IR	--	ISC	iLoc	???	???	_
A003A	1.39	214.9	Pn	01:25:37.528	1.0	T__			---	15126547	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	1.39	214.9	Lg	01:25:56.923	-0.7	T__			---	15126548	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A005B	1.44	249.2	Pg	01:25:38.537	-1.0	T__			---	15126549	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A005B	1.44	249.2	Lg	01:25:57.551	-1.4	T__			---	15126550	FDSN	Z3	00	BUD	iLoc	HHN	???	_
NIE	1.45	68.4	Pg	01:25:39.420	0.1	T__			---	15126551	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.45	68.4	Pb	01:25:39.900	0.5	T__			---	15126552	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.45	68.4	Lg	01:26:00.820	1.3	T__			---	15126553	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	1.46	68.5	Pg	01:25:39.312	-0.2	T__			---	15126554	FDSN	PL	--	BUD	iLoc	BHZ	???	_

PSZ	1.48	131.0	Pn	01:25:38.221	0.2	T__			15126555	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	1.48	131.0	Pg	01:25:39.903	-1.6	T__			15126556	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	1.48	131.0	Pn	01:25:39.300	1.2	T__		0.4	15126557	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	1.48	131.0	IAML	01:26:02.920	-99.0	---		127.9	0.70	15126558	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.48	131.0	IAML	01:26:03.970	-99.0	---		119.6	0.45	15126559	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	1.49	188.0	Pn	01:25:38.101	0.3	T__			15126560	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A268A	1.49	188.0	Sn	01:25:57.991	0.2	T__			15126561	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
BUD	1.52	159.2	Pg	01:25:40.568	-1.2	T__			15126562	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
CSKK	1.54	179.2	Pn	01:25:38.747	0.2	T__			15126563	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
CSKK	1.54	179.2	Pg	01:25:41.790	-0.1	T__			15126564	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
CSKK	1.54	179.2	Pn	01:25:39.100	0.5	T__		5.2	15126565	FDSN	IR	--	ISC	iLoc	???	???	_	
KECS	1.55	104.8	Pn	01:25:39.292	0.5	T__			15126566	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KECS	1.55	104.8	Pg	01:25:43.500	1.5	T__		0.7	15126567	FDSN	IR	--	ISC	iLoc	???	???	_	
EGYH	1.60	202.4	Pn	01:25:40.800	1.2	T__			15126568	FDSN	IR	--	ISC	iLoc	???	???	_	
EGYH	1.60	202.3	Pn	01:25:40.026	0.5	T__			15126569	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
EGYH	1.60	202.3	Sn	01:26:00.720	0.0	T__			15126570	FDSN	HU	--	BUD	iLoc	HHN	???	_	
SOP	1.65	223.1	Pn	01:25:40.460	0.3	T__			15126571	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
SOP	1.65	223.1	Pn	01:25:41.700	1.5	T__			15126572	FDSN	IR	--	ISC	iLoc	???	???	_	
SOP	1.65	223.1	Sn	01:26:01.334	-0.5	T__			15126573	FDSN	HU	--	BUD	iLoc	BHN	???	_	
OJC	1.67	37.2	Pn	01:25:40.888	-0.0	T__			15126574	FDSN	PL	--	BUD	iLoc	BHZ	???	_	
OJC	1.67	37.2	Pn	01:25:42.800	1.9	T__			15126575	FDSN	IR	--	ISC	iLoc	???	???	_	
OJC	1.67	37.2	Sn	01:26:03.800	-0.5	T__			15126576	FDSN	IR	--	ISC	iLoc	???	???	_	
OJC	1.67	37.2	Sn	01:26:04.735	0.5	T__			15126577	FDSN	PL	--	BUD	iLoc	BHN	???	_	
OJC	1.67	37.2	IAML	01:26:09.530	-99.0	---		120.9	0.65	15126578	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.76	227.7	Pn	01:25:42.336	0.5	T__		7.8	0.30	15126579	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.76	227.7	Sn	01:26:03.900	-0.9	T__		27.2	0.38	15126580	FDSN	IR	--	ISC	iLoc	???	???	_
A008A	1.79	253.6	Pn	01:25:42.222	0.3	T__			15126581	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A008A	1.79	253.6	Sn	01:26:04.407	-0.7	T__			15126582	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
MPLH	1.79	195.2	Pn	01:25:42.288	0.1	T__			15126583	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MPLH	1.79	195.2	Pg	01:25:45.700	-1.1	T__			15126584	FDSN	IR	--	ISC	iLoc	???	???	_	
TREC	1.84	283.3	Pn	01:25:43.400	0.6	T__			15126585	FDSN	IR	--	ISC	iLoc	???	???	_	
TREC	1.84	283.3	Pn	01:25:43.514	0.7	T__			15126586	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
TREC	1.84	283.3	Sn	01:26:06.350	-0.4	T__			15126587	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
CONA	1.85	239.2	Pn	01:25:43.035	-0.1	T__			15126588	FDSN	OE	--	BUD	iLoc	BHZ	???	_	
CONA	1.85	239.2	Sn	01:26:07.403	0.3	T__			15126589	FDSN	OE	--	BUD	iLoc	BHE	???	_	
CONA	1.85	239.2	Pn	01:25:43.491	0.4	T__		4.7	0.20	15126590	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.85	239.2	Pg	01:25:44.200	-3.6	T__			15126591	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	1.85	239.2	Sn	01:26:09.165	2.0	T__		33.5	0.46	15126592	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	1.91	320.2	Lg	01:26:10.900	-1.0	T__		83.3	0.50	15126593	FDSN	IR	--	ISC	iLoc	???	???	_
A260A	1.91	212.8	Pn	01:25:44.233	0.3	T__			15126594	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A267A	1.96	174.9	Pn	01:25:45.725	1.3	T__			15126595	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A267A	1.96	174.9	Sn	01:26:11.017	1.6	T__			15126596	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
TIH	2.02	186.6	Pg	01:25:54.200	3.3	T__			15126597	FDSN	IR	--	ISC	iLoc	???	???	_	
TIH	2.02	186.7	Pn	01:25:46.789	1.5	T__			15126598	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
A013A	2.06	247.0	Pn	01:25:46.805	1.1	T__			15126599	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A013A	2.06	247.0	Sn	01:26:12.194	0.4	T__			15126600	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A261A	2.08	200.8	Pn	01:25:47.351	1.0	T__			15126601	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
ABAH	2.09	105.8	Pn	01:25:46.662	0.2	T__			15126602	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
BSZH	2.11	138.8	Pn	01:25:48.236	1.6	T__			15126603	FDSN	IR	--	ISC	iLoc	???	???	_	
BSZH	2.11	138.8	Pg	01:25:51.967	-2.1	T__			15126604	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
A011B	2.13	226.3	Pn	01:25:47.620	0.7	T__			15126605	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A011B	2.13	226.3	Sn	01:26:14.485	1.0	T__			15126606	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
CRVS	2.13	88.8	Pn	01:25:49.744	2.5	T__			15126607	FDSN	SK	--	BUD	iLoc	HHZ	???	_	

CRVS	2.13	88.8	Pg	01:25:52.167	-0.0	T__				15126608	FDSN	SK	--	BUD	iLoc	HHZ	???	_
UPC	2.16	319.0	Lg	01:26:18.800	-0.4	T__				15126609	FDSN	IR	--	ISC	iLoc	???	???	_
A012A	2.19	234.7	Sn	01:26:15.641	0.2	T__	136.2	0.50	---	15126610	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KSP	2.31	327.9	Pn	01:25:50.512	1.1	T__				15126611	FDSN	PL	--	BUD	iLoc	BHZ	???	_
KSP	2.31	327.9	Pg	01:25:55.479	2.1	T__				15126612	FDSN	PL	--	BUD	iLoc	BHZ	???	_
KSP	2.31	327.9	Pg	01:25:51.900	-1.5	T__				15126613	FDSN	IR	--	ISC	iLoc	???	???	_
A010A	2.33	219.1	Pn	01:25:51.455	1.8	T__				15126614	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	2.33	219.1	Sn	01:26:19.489	1.3	T__				15126615	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ARSA	2.45	228.7	Pn	01:25:52.738	1.5	T__	3.3	0.28	---	15126616	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.45	228.7	Pg	01:26:01.200	2.2	T__				15126617	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.45	228.7	Sn	01:26:22.098	0.8	T__	4.1	0.32	---	15126618	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	2.45	228.7	Pn	01:25:52.537	1.3	T__				15126619	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	2.45	228.7	Sn	01:26:22.351	1.1	T__				15126620	FDSN	OE	--	BUD	iLoc	BHE	???	_
A019A	2.56	236.5	Pn	01:25:54.577	1.7	T__				15126621	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	2.56	236.5	Sn	01:26:25.239	0.8	T__				15126622	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CKRC	2.59	269.7	Pn	01:25:53.512	0.4	T__				15126623	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	2.59	269.7	Pn	01:25:53.800	0.7	T__				15126624	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	2.59	269.7	Lg	01:26:33.300	-1.0	T__	25.2	0.60	---	15126625	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	2.62	202.5	Pn	01:25:55.189	1.1	T__				15126626	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	2.62	202.5	Pn	01:25:58.100	4.1	T__				15126627	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.64	295.7	Pn	01:25:53.783	0.1	T__				15126628	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
PRU	2.64	295.7	Pn	01:25:54.200	0.5	T__				15126629	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.64	295.7	Pg	01:26:00.100	-0.1	T__				15126630	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.64	295.7	Lg	01:26:33.900	-0.8	T__	40.1	0.30	---	15126631	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	2.67	87.8	Pn	01:25:55.471	0.6	T__				15126632	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	2.67	87.8	Pg	01:26:01.100	-0.7	T__				15126633	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	2.67	87.8	Pg	01:26:01.517	-0.3	T__				15126634	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A021A	2.69	217.9	Pn	01:25:55.095	0.5	T__				15126635	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	2.70	173.9	Pn	01:25:54.745	-0.1	T__				15126636	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	2.70	173.9	Pn	01:25:56.100	1.3	T__				15126637	FDSN	IR	--	ISC	iLoc	???	???	_
A020B	2.78	226.3	Pn	01:25:57.292	1.6	T__				15126638	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KOGS	2.80	209.3	Pn	01:25:56.240	-0.1	T__				15126639	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	2.80	209.3	Pg	01:26:10.300	4.5	T__				15126640	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.82	181.8	Pn	01:25:56.641	0.1	T__				15126641	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	2.82	181.8	Pg	01:26:06.200	-0.2	T__				15126642	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.82	181.8	Sn	01:26:28.906	-1.7	T__				15126643	FDSN	HU	--	BUD	iLoc	BHN	???	_
MOA	2.84	249.8	Pn	01:25:57.224	0.5	T__	2.9	0.26	---	15126644	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.84	249.8	Sn	01:26:31.573	0.2	T__	5.5	0.28	---	15126645	FDSN	IR	--	ISC	iLoc	???	???	_
PVCC	2.88	305.8	Lg	01:26:43.000	1.6	T__				15126646	FDSN	IR	--	ISC	iLoc	???	???	_
LTVH	2.89	120.3	Pn	01:25:56.540	-1.2	T__				15126647	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TRPA	2.97	103.5	Pn	01:25:58.337	-0.7	T__				15126648	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	2.97	103.5	Pg	01:26:07.407	-0.8	T__				15126649	FDSN	HU	--	BUD	iLoc	BHZ	???	_
GEC2	2.99	270.6	IAML	01:26:56.320	-99.0	---	29.5	0.80	---	15126650	FDSN	IR	--	ISC	iLoc	???	???	_
GEC2	2.99	270.6	IAML	01:26:57.457	-99.0	---	27.0	0.60	---	15126651	FDSN	IR	--	ISC	iLoc	???	???	_
GERES	2.99	270.6	Pn	01:25:58.384	-0.6	T__	2.1	0.33	---	15126652	FDSN	IR	--	ISC	iLoc	???	???	_
GERES	2.99	270.6	Sn	01:26:33.800	-1.6	T__	5.2	0.33	---	15126653	FDSN	IR	--	ISC	iLoc	???	???	_
GERES	2.99	270.6	Lg	01:26:44.378	-3.1	T__	3.7	0.33	---	15126654	FDSN	IR	--	ISC	iLoc	???	???	_
GERES	2.99	270.6	x	23:59:59.590	-99.0	---	1.8	0.31	---	15126655	FDSN	IR	--	ISC	iLoc	???	???	_
KWP	3.02	74.3	Pn	01:26:01.030	1.1	T__				15126656	FDSN	IR	--	ISC	iLoc	???	???	_
KWP	3.02	74.3	Pg	01:26:05.900	-2.0	T__				15126657	FDSN	IR	--	ISC	iLoc	???	???	_
KWP	3.02	74.3	IAML	01:27:07.330	-99.0	---	22.7	1.25	---	15126658	FDSN	IR	--	ISC	iLoc	???	???	_
KWP	3.02	74.3	IAML	01:27:14.130	-99.0	---	31.8	1.55	---	15126659	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.07	276.0	Pn	01:26:00.800	1.0	T__				15126660	FDSN	IR	--	ISC	iLoc	???	???	_

KHC	3.07	276.0	Pg	01:26:07.700	-1.6	T__				15126661	FDSN	IR	--	ISC	iLoc	???	???	-
KHC	3.07	276.0	Lg	01:26:48.000	-1.2	T__		29.6	0.60	15126662	FDSN	IR	--	ISC	iLoc	???	???	-
KHC	3.07	276.0	IAML	01:27:00.010	-99.0	---		36.7	0.80	15126663	FDSN	IR	--	ISC	iLoc	???	???	-
SOKA	3.10	225.3	Pn	01:26:01.094	0.7	T__		1.1	0.26	15126664	FDSN	IR	--	ISC	iLoc	???	???	-
SOKA	3.10	225.3	Sn	01:26:37.861	0.5	T__		1.3	0.30	15126665	FDSN	IR	--	ISC	iLoc	???	???	-
BIOA	3.30	250.2	Pn	01:26:03.358	0.2	T__		3.5	0.30	15126666	FDSN	IR	--	ISC	iLoc	???	???	-
BIOA	3.30	250.2	Sn	01:26:43.115	0.7	T__		4.1	0.22	15126667	FDSN	IR	--	ISC	iLoc	???	???	-
BRG	3.40	307.1	Pg	01:26:14.510	0.8	T__				15126668	FDSN	IR	--	ISC	iLoc	???	???	-
BRG	3.40	307.1	Lg	01:26:57.810	-0.3	T__				15126669	FDSN	IR	--	ISC	iLoc	???	???	-
BRG	3.40	307.1	x	01:27:04.460	-99.0	---		30.6	0.47	15126670	FDSN	IR	--	ISC	iLoc	???	???	-
OBKA	3.45	227.4	Pn	01:26:06.331	1.0	T__				15126671	FDSN	OE	--	BUD	iLoc	BHZ	???	-
OBKA	3.45	227.4	Sn	01:26:46.821	0.6	T__		8.0	0.56	15126672	FDSN	IR	--	ISC	iLoc	???	???	-
A252A	3.48	184.4	Pn	01:26:05.748	-0.2	T__				15126673	FDSN	Z3	--	BUD	iLoc	BHZ	???	-
A252A	3.48	184.4	Sn	01:26:44.618	-2.5	T__				15126674	FDSN	Z3	--	BUD	iLoc	BHN	???	-
SIRR	3.51	137.3	Pn	01:26:06.174	-0.2	T__				15126675	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	3.51	137.3	Pg	01:26:06.500	-14.8	---				15126676	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	3.52	137.3	Pn	01:26:05.966	-0.5	T__				15126677	FDSN	RO	--	BUD	iLoc	BHZ	???	-
MESR	3.62	117.2	Pn	01:26:08.449	0.3	T__				15126678	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	3.68	123.3	Pn	01:26:09.106	-0.0	T__				15126679	FDSN	RO	--	BUD	iLoc	BHZ	???	-
DRGR	3.68	123.3	Pn	01:26:09.300	0.1	T__				15126680	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	3.68	123.3	Pg	01:26:09.416	-14.3	---				15126681	FDSN	IR	--	ISC	iLoc	???	???	-
KBA	3.75	242.7	Pn	01:26:11.655	1.8	T__		3.1	0.36	15126682	FDSN	IR	--	ISC	iLoc	???	???	-
MYKA	3.84	235.4	Pn	01:26:11.680	0.9	T__		0.7	0.32	15126683	FDSN	IR	--	ISC	iLoc	???	???	-
MYKA	3.84	235.4	Sn	01:26:54.717	-1.0	T__		1.9	0.38	15126684	FDSN	IR	--	ISC	iLoc	???	???	-
PRED	4.00	233.8	Pn	01:26:13.040	0.1	T__				15126685	FDSN	IR	--	ISC	iLoc	???	???	-
LESA	4.00	250.4	Pn	01:26:12.690	-0.4	T__		0.3	0.26	15126686	FDSN	IR	--	ISC	iLoc	???	???	-
LESA	4.00	250.4	Sn	01:26:59.608	0.1	T__		1.8	0.36	15126687	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	4.02	143.7	Pn	01:26:12.961	-0.3	T__				15126688	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	4.02	143.7	Pg	01:26:23.100	-7.8	---				15126689	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	4.02	143.5	Pn	01:26:13.516	0.2	T__				15126690	FDSN	RO	--	BUD	iLoc	BHZ	???	-
SURR	4.11	138.5	Pn	01:26:14.486	-0.1	T__				15126691	FDSN	IR	--	ISC	iLoc	???	???	-
BLY	4.18	190.3	Pn	01:26:16.923	1.2	T__				15126692	FDSN	MN	--	BUD	iLoc	BHZ	???	-
CJR	4.23	119.2	Pn	01:26:16.394	-0.6	T__				15126693	FDSN	IR	--	ISC	iLoc	???	???	-
CJR	4.23	119.2	Pn	01:26:16.784	-0.2	T__				15126694	FDSN	RO	--	BUD	iLoc	BHZ	???	-
CJR	4.23	119.2	Pn	01:26:18.800	1.9	T__				15126695	FDSN	IR	--	ISC	iLoc	???	???	-
DEV	4.38	131.8	Pn	01:26:19.200	0.7	T__				15126696	FDSN	IR	--	ISC	iLoc	???	???	-
ABTA	4.41	242.9	Pn	01:26:21.328	2.5	T__		0.8	0.48	15126697	FDSN	IR	--	ISC	iLoc	???	???	-
ABTA	4.41	242.9	Lg	01:27:36.849	3.8	T__		4.1	0.62	15126698	FDSN	IR	--	ISC	iLoc	???	???	-
STAL	4.58	236.8	Pn	01:26:20.720	-0.3	T__				15126699	FDSN	IR	--	ISC	iLoc	???	???	-
GRA1	4.65	282.4	Pn	01:26:21.600	-0.1	T__				15126700	FDSN	IR	--	ISC	iLoc	???	???	-
GRFO	4.65	282.4	Pn	01:26:20.930	-0.7	T__				15126701	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	4.68	136.8	Pn	01:26:23.159	0.2	T__				15126702	FDSN	IR	--	ISC	iLoc	???	???	-
WTTA	4.71	252.1	Pn	01:26:24.742	1.5	T__		1.1	0.22	15126703	FDSN	IR	--	ISC	iLoc	???	???	-
WTTA	4.71	252.1	Sn	01:27:15.724	-1.8	T__		2.8	0.56	15126704	FDSN	IR	--	ISC	iLoc	???	???	-
WATA	4.72	253.1	Pn	01:26:24.538	1.2	T__		0.2	0.16	15126705	FDSN	IR	--	ISC	iLoc	???	???	-
WATA	4.72	253.1	Sn	01:27:17.921	0.4	T__		0.4	0.16	15126706	FDSN	IR	--	ISC	iLoc	???	???	-
BURAR	4.82	102.5	Pn	01:26:26.224	0.7	T__				15126707	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BURAR	4.82	102.5	Sn	01:27:22.323	-0.9	T__				15126708	FDSN	RO	--	BUD	iLoc	BHE	???	-
BURAR	4.84	102.8	Pn	01:26:25.292	-0.5	T__				15126709	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	4.94	142.9	Pn	01:26:25.963	-0.4	T__				15126710	FDSN	IR	--	ISC	iLoc	???	???	-
SQTA	5.00	253.0	Pn	01:26:27.770	0.7	T__		0.5	0.18	15126711	FDSN	IR	--	ISC	iLoc	???	???	-
SQTA	5.00	253.0	Sn	01:27:23.923	-0.2	T__		3.0	0.44	15126712	FDSN	IR	--	ISC	iLoc	???	???	-
MOTA	5.02	254.6	Pn	01:26:28.589	1.1	T__		0.4	0.22	15126713	FDSN	IR	--	ISC	iLoc	???	???	-

MOTA	5.02	254.6	Sn	01:27:23.701	-1.1	T__	1.1	0.42	---	15126714	FDSN	IR	--	ISC	iLoc	???	???	_
RETA	5.19	257.0	Pn	01:26:30.296	0.7	T__	0.6	0.42	---	15126715	FDSN	IR	--	ISC	iLoc	???	???	_
RETA	5.19	257.0	Sn	01:27:27.635	-0.7	T__	3.6	0.74	---	15126716	FDSN	IR	--	ISC	iLoc	???	???	_
FETA	5.38	252.3	Pn	01:26:33.301	0.8	T__	0.5	0.40	---	15126717	FDSN	IR	--	ISC	iLoc	???	???	_
FETA	5.38	252.3	Sn	01:27:35.552	1.8	T__	1.4	0.48	---	15126718	FDSN	IR	--	ISC	iLoc	???	???	_
TEOL	5.71	234.1	Pn	01:26:36.490	-0.7	T__			---	15126719	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	5.80	124.2	Pn	01:26:38.810	-0.3	T__			---	15126720	FDSN	IR	--	ISC	iLoc	???	???	_
DAVA	5.82	257.0	Pn	01:26:38.604	-0.1	T__	0.5	0.20	---	15126721	FDSN	IR	--	ISC	iLoc	???	???	_
DAVA	5.82	257.0	Sn	01:27:43.573	-0.6	T__	3.5	0.44	---	15126722	FDSN	IR	--	ISC	iLoc	???	???	_
FUORN	5.84	250.0	Pn	01:26:38.520	-0.7	T__			---	15126723	FDSN	IR	--	ISC	iLoc	???	???	_
STU	5.97	272.1	Pn	01:26:41.310	1.4	T__			---	15126724	FDSN	IR	--	ISC	iLoc	???	???	_
DAVOX	6.01	252.4	Pn	01:26:40.292	-1.1	T__	0.8	0.33	---	15126725	FDSN	IR	--	ISC	iLoc	???	???	_
DAVOX	6.01	252.4	Sn	01:27:46.950	-2.5	T__	0.4	0.33	---	15126726	FDSN	IR	--	ISC	iLoc	???	???	_
DAVOX	6.01	252.4	Lg	01:28:20.975	-2.9	T__	0.5	0.33	---	15126727	FDSN	IR	--	ISC	iLoc	???	???	_
DAVOX	6.01	252.4	x	23:59:59.590	-99.0	---	1.5	0.35	---	15126728	FDSN	IR	--	ISC	iLoc	???	???	_
ZCCA	6.76	230.3	Pn	01:26:51.720	0.2	T__			---	15126729	FDSN	IR	--	ISC	iLoc	???	???	_
NRCA	7.04	212.4	Pn	01:26:54.750	-0.6	T__			---	15126730	FDSN	IR	--	ISC	iLoc	???	???	_
CDF	7.27	270.3	Pn	01:26:56.600	-1.8	T__			---	15126731	FDSN	IR	--	ISC	iLoc	???	???	_
CDF	7.27	270.3	Lg	01:29:00.100	-2.0	T__	11.2	1.02	---	15126732	FDSN	IR	--	ISC	iLoc	???	???	_
AKASG	7.34	71.7	LR	01:30:25.302	-99.0	---	25.6	19.03	---	15126733	FDSN	IR	--	ISC	iLoc	???	???	_
HAU	7.95	268.0	Lg	01:29:21.300	-1.3	T__	17.6	1.46	---	15126734	FDSN	IR	--	ISC	iLoc	???	???	_
LPG	8.52	250.8	Pn	01:27:15.500	-0.1	T__			---	15126735	FDSN	IR	--	ISC	iLoc	???	???	_
LPG	8.52	250.8	Sn	01:28:46.700	-2.0	T__	0.2	0.30	---	15126736	FDSN	IR	--	ISC	iLoc	???	???	_
LPL	8.53	250.9	Pn	01:27:15.000	-0.5	T__			---	15126737	FDSN	IR	--	ISC	iLoc	???	???	_
MBDF	8.90	246.3	Pn	01:27:19.100	-1.2	T__			---	15126738	FDSN	IR	--	ISC	iLoc	???	???	_
MBDF	8.90	246.3	Sn	01:28:56.900	-0.1	T__	0.1	0.35	---	15126739	FDSN	IR	--	ISC	iLoc	???	???	_
SBF	9.00	240.0	Pn	01:27:21.300	-0.8	T__			---	15126740	FDSN	IR	--	ISC	iLoc	???	???	_
ORIF	9.34	249.4	Pn	01:27:27.300	0.7	T__			---	15126741	FDSN	IR	--	ISC	iLoc	???	???	_
ORIF	9.34	249.4	Sn	01:29:06.400	-1.5	T__	0.3	0.28	---	15126742	FDSN	IR	--	ISC	iLoc	???	???	_
SMRF	10.02	245.3	Pn	01:27:35.300	-0.9	T__			---	15126743	FDSN	IR	--	ISC	iLoc	???	???	_
VIVF	10.12	251.5	Pn	01:27:36.600	-0.5	T__			---	15126744	FDSN	IR	--	ISC	iLoc	???	???	_
NOA	12.80	344.4	Pn	01:28:12.065	0.9	T__			---	15126745	FDSN	IR	--	ISC	iLoc	???	???	_
NOA	12.80	344.4	x	23:59:59.590	-99.0	---	0.6	0.78	---	15126746	FDSN	IR	--	ISC	iLoc	???	???	_
FINES	13.33	16.5	Pn	01:28:18.900	1.4	T__	0.1	0.33	---	15126747	FDSN	IR	--	ISC	iLoc	???	???	_
FINES	13.33	16.5	Sn	01:30:38.737	-1.9	T__	0.1	0.33	---	15126748	FDSN	IR	--	ISC	iLoc	???	???	_
FINES	13.33	16.5	x	23:59:59.590	-99.0	---	0.8	0.61	---	15126749	FDSN	IR	--	ISC	iLoc	???	???	_
SGMF	13.78	275.1	Pn	01:28:26.200	-0.9	T__			---	15126750	FDSN	IR	--	ISC	iLoc	???	???	_
ESDC	18.32	248.1	LR	01:36:56.543	-99.0	---	19.2	21.54	---	15126751	FDSN	IR	--	ISC	iLoc	???	???	_
ARCES	21.00	7.1	P	01:29:57.391	2.2	T__	2.3	1.01	---	15126752	FDSN	IR	--	ISC	iLoc	???	???	_
ARCES	21.00	7.1	x	23:59:59.590	-99.0	---	2.3	1.01	---	15126753	FDSN	IR	--	ISC	iLoc	???	???	_
ARU	25.28	57.3	LR	01:40:55.079	-99.0	---	62.3	21.92	---	15126754	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
2018/08/17	06:49:08.52	0.23	0.39	46.8330	22.9216	2.1	1.2	161	2.0A		22	167		0.15	2.22	a	ke BUC	15109046	ISC			360
2018/08/17	06:49:06.58	1.30	1.07	46.9247	22.8900	8.1	3.5	156	5.7F	8.1	40	12	193	0.18	2.30	m	ke BUD	15126426	iLoc			240

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15109046
M	1.5	5	BUD	15126426

Sta	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	222.8	Pg	06:49:10.416	-0.2	T__	---	15126428	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.18	222.8	Lg	06:49:13.116	-1.0	T__	---	15126429	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.18	222.7	Pg	06:49:10.693	0.0	T__	---	15126430	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.18	222.7	Pg	06:49:10.693	0.0	T__	---	15126431	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.53	113.2	Pg	06:49:17.478	0.3	T__	---	15126432	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.53	113.2	Lg	06:49:24.784	-0.9	T__	---	15126433	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	1.04	179.5	Pn	06:49:26.693	-0.1	T__	---	15126434	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.04	179.5	Pn	06:49:26.693	-0.1	T__	---	15126435	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.04	179.5	Sn	06:49:39.599	-3.0	T__	---	15126436	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.07	232.5	Pn	06:49:27.276	-0.1	T__	---	15126437	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.07	232.5	Sn	06:49:42.649	-1.2	T__	---	15126438	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.07	232.7	Pg	06:49:28.592	0.4	T__	---	15126439	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.07	232.7	Pg	06:49:28.592	0.4	T__	---	15126440	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.07	232.7	Sn	06:49:43.259	-0.5	T__	---	15126441	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.29	204.6	Pg	06:49:31.660	0.1	T__	---	15126442	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.29	204.6	Pg	06:49:31.660	0.1	T__	---	15126443	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.29	204.6	Sn	06:49:48.826	0.2	T__	---	15126444	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.53	183.0	Pg	06:49:35.699	-0.4	T__	---	15126445	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.53	183.0	Pg	06:49:35.699	-0.4	T__	---	15126446	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.53	183.0	Pg	06:49:36.001	-0.1	T__	---	15126447	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.53	183.0	Sn	06:49:56.012	0.7	T__	---	15126448	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.53	183.0	Sn	06:49:56.225	0.9	T__	---	15126449	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.57	214.0	Pn	06:49:35.343	1.2	T__	---	15126450	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.57	214.0	Sn	06:49:57.086	1.3	T__	---	15126451	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.58	214.5	Pg	06:49:37.009	-0.3	T__	---	15126452	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.58	214.5	Pg	06:49:37.009	-0.3	T__	---	15126453	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.58	214.5	Lg	06:49:58.159	-2.0	T__	---	15126454	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.60	157.2	Pg	06:49:37.061	-0.2	T__	---	15126455	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.60	157.2	Pg	06:49:37.061	-0.2	T__	---	15126456	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.60	157.2	Sn	06:49:57.885	0.6	T__	---	15126457	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.73	65.6	Pg	06:49:39.788	-0.3	T__	---	15126458	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.73	65.6	Pg	06:49:39.788	-0.3	T__	---	15126459	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.73	65.6	Lg	06:50:04.471	-0.9	T__	---	15126460	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.07	189.4	Pn	06:49:43.704	2.3	T__	---	15126461	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.07	189.4	Pn	06:49:43.704	2.3	T__	---	15126462	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.11	134.0	Pn	06:49:43.560	1.0	T__	---	15126463	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.11	134.0	Pn	06:49:43.560	1.0	T__	---	15126464	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.11	134.0	Sn	06:50:10.296	-0.3	T__	---	15126465	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.30	201.4	Pn	06:49:46.587	1.8	T__	---	15126466	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.30	201.4	Pn	06:49:46.587	1.8	T__	---	15126467	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
 2018/08/17 07:53:55.54 3.93 0.12 47.5661 18.2758 27.5 13.3 22 10.0A 5 3 302 0.20 0.64 m ke BUD 15126468 iLoc 351

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CSKK	0.20	182.9	Pg	07:54:00.325	0.1					T__						15126470	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.20	182.9	Lg	07:54:03.692	-0.1					T__						15126471	FDSN	HU	--	BUD	iLoc	HHE	???	_
A268A	0.27	240.6	Lg	07:54:05.937	0.0					T__						15126472	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.64	231.9	Pn	07:54:09.328	-0.1					T__						15126473	FDSN	HU	--	BUD	iLoc	BHN	???	_

MPLH 0.64 231.9 Lg 07:54:17.608 0.0 T__ --- 15126474 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
 2018/08/17 08:28:01.10 1.07 1.36 48.5848 20.7552 8.0 3.9 166 0.0S 13 8 148 0.21 1.28 m kx BUD 15126763 iLoc 163
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.4 5 BUD 15126763

Sta	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	240.5	Pg	08:28:06.078	0.7					T__						15126765	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	240.5	Lg	08:28:10.018	1.3					T__						15126766	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.43	131.7	Pg	08:28:12.149	2.2					T__						15126767	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	131.7	Lg	08:28:16.260	-1.1					T__						15126768	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	55.5	Pg	08:28:13.276	1.3					T__						15126769	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	55.5	Lg	08:28:21.549	0.2					T__						15126770	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	221.1	Pn	08:28:19.508	-0.6					T__						15126771	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	221.1	Lg	08:28:33.713	0.4					T__						15126772	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOLS	1.06	70.3	Sn	08:28:39.241	-0.9					T__						15126773	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.22	253.9	Lg	08:28:43.527	0.1					T__						15126774	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.27	110.3	Sn	08:28:42.466	-2.7					T__						15126775	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.28	266.6	Pg	08:28:26.784	0.2					T__						15126776	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.6	Sn	08:28:44.385	-0.3					T__						15126777	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
 2018/08/17 10:05:54.63 1.55 0.63 46.1328 18.0217 8.4 6.3 109 0.0S 7 4 152 0.07 1.09 m kx BUD 15126778 iLoc 248
 2018/08/17 10:05:54.73f 0.55 46.1204 18.0243f 0.0S 7 152 0.06 1.10 m kx BUD_GT 15137103 BUD 247
 (description : known quarry blast)
 (locality : Komló-II Hungary)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 ML 1.2 0.4 3 BUD 15126778
 ML 1.2 0.4 3 BUD 15137103

Sta	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	121.4	Pg	10:05:57.073	0.4					T__		109.5			MLv	15138343	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.06	121.4	Lg	10:05:58.319	0.0					T__						15138344	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.44	77.3	Pg	10:06:04.240	0.2					T__		0.9			MLv	15138345	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.44	77.3	Lg	10:06:10.472	-0.7					T__						15138346	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	190.3	Pg	10:06:09.491	0.6					T__		2.2			MLv	15138347	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.70	190.3	Lg	10:06:19.120	-0.5					T__						15138348	FDSN	Z3	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.5	Lg	10:06:32.595	-0.9					T__						15138349	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

2018/08/21 08:18:40.96 1.35 2.32 48.5914 20.7429 13.3 6.5 153 0.0S 10 6 163 0.20 2.91 m kx BUD 15126800 iLoc 299
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.2 4 BUD 15126800

Sta	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	237.8	Pg	08:18:45.797	0.6					T__						15126802	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	237.8	Lg	08:18:49.986	1.5					T__						15126803	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.57	56.5	Pg	08:18:52.734	0.9					T__						15126804	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.88	220.4	Pn	08:18:59.264	-0.7					T__						15126805	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	220.4	Sn	08:19:13.502	-1.4					T__						15126806	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.22	253.5	Sn	08:19:22.325	-0.4					T__						15126807	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.27	266.3	Pg	08:19:06.700	0.4					T__						15126808	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	266.3	Sn	08:19:24.190	-0.1					T__						15126809	FDSN	SK	--	BUD	iLoc	HHN	???	_
KRUC	2.91	280.9	Pg	08:19:39.300	2.7					T__						15126810	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.91	280.9	Sn	08:19:59.900	-4.9					T__						15126811	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
 2018/08/21 08:47:27.78 1.58 1.41 45.8961 18.3708 8.9 5.2 127 0.0S 8 4 188 0.27 0.59 m sx BUD 15126812 iLoc 263
 (description : suspected quarry blast)
 (locality : Komló Hungary)

Magnitude Err Nsta Author OrigID
 M 0.9 4 BUD 15126812

Sta	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	0.27	315.6	Pg	08:47:34.700	0.9					T__						15126814	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.27	315.6	Lg	08:47:37.401	-1.1					T__						15126815	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.37	30.7	Pg	08:47:36.570	0.8					T__						15126816	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.37	30.7	Lg	08:47:40.724	-1.2					T__						15126817	FDSN	HU	--	BUD	iLoc	BHN	???	_
A273A	0.39	273.2	Pg	08:47:36.949	0.9					T__						15126818	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.39	273.2	Lg	08:47:41.581	-0.8					T__						15126819	FDSN	Z3	--	BUD	iLoc	HHN	???	_
A252A	0.59	218.7	Pg	08:47:40.920	1.1					T__						15126820	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.59	218.7	Lg	08:47:47.260	-1.8					T__						15126821	FDSN	Z3	--	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
 2018/08/21 17:45:48.64 0.24 0.59 47.5821 16.3620 1.8 1.0 128 0.0F 0.0 34 2 0.13 1.84 a kx VIE 15109113 ISC 360
 2018/08/21 17:45:48.14 1.06 0.81 47.5862 16.3677 5.6 3.5 123 0.0S 28 14 148 0.12 1.85 m kx BUD 15126822 iLoc 198
 (description : known quarry blast)
 (locality : Burgruine-Landsee Austria)

Magnitude Err Nsta Author OrigID
 mb 1.1 VIE 15109113
 ml 1.5 VIE 15109113
 M 1.4 7 BUD 15126822

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
RONA	0.12	337.0	Pg	17:45:51.054	0.1					T__		5.7	0.10	---		15126824	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.12	337.0	Lg	17:45:52.993	-0.2					T__		42.2	0.28	---		15126825	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.16	52.9	Pg	17:45:52.116	0.4					T__				---		15126826	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.16	52.9	Lg	17:45:54.612	0.1					T__				---		15126827	FDSN	HU	--	BUD	iLoc	BHE	???	_
AO11B	0.33	237.5	Pg	17:45:54.950	0.2					T__				---		15126828	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO11B	0.33	237.5	Lg	17:45:59.440	-0.2					T__				---		15126829	FDSN	Z3	00	BUD	iLoc	HH3	???	_
AO04A	0.38	3.0	Lg	17:46:03.202	1.6					T__				---		15126830	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CONA	0.48	315.3	Pg	17:45:58.144	0.3					T__				---		15126831	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.48	315.3	Lg	17:46:05.053	-0.2					T__				---		15126832	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.48	315.3	Pg	17:45:57.864	-0.0					T__		0.5	0.20	---		15126833	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.48	315.3	Lg	17:46:04.848	-0.4					T__		3.1	0.42	---		15126834	FDSN	IR	--	ISC	iLoc	???	???	_
AO10A	0.55	201.0	Lg	17:46:05.656	-1.2					T__				---		15126835	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARSA	0.66	240.0	Pg	17:46:01.764	0.7					T__		0.3	0.08	---		15126836	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.66	240.0	Pg	17:46:02.618	1.6					T__				---		15126837	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.66	240.0	Lg	17:46:10.558	0.0					T__				---		15126838	FDSN	OE	--	BUD	iLoc	BHN	???	_
AO13A	0.80	306.8	Pn	17:46:05.737	0.0					T__				---		15126839	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO13A	0.80	306.8	Lg	17:46:15.624	0.2					T__				---		15126840	FDSN	Z3	00	BUD	iLoc	HHN	???	_
AO19A	0.88	261.3	Pg	17:46:04.894	-0.5					T__				---		15126841	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO19A	0.88	261.3	Lg	17:46:17.948	-0.5					T__				---		15126842	FDSN	Z3	00	BUD	iLoc	HH3	???	_
AO18A	0.89	280.7	Lg	17:46:19.531	1.0					T__				---		15126843	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOKA	1.29	225.6	Pn	17:46:12.493	-0.1					T__		0.2	0.16	---		15126844	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.44	281.3	Pg	17:46:15.713	-0.4					T__		1.6	0.28	---		15126845	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.44	281.3	Sn	17:46:34.949	-0.6					T__		3.6	0.34	---		15126846	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.48	0.7	Sn	17:46:34.400	-1.4					T__				---		15126847	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.48	0.7	Pn	17:46:15.490	0.4					T__				---		15126848	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.48	0.7	Sn	17:46:34.299	-1.5					T__				---		15126849	FDSN	CZ	--	BUD	iLoc	BHE	???	_
BIOA	1.85	274.3	Pg	17:46:24.551	0.1					T__		0.2	0.08	---		15126850	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.85	274.3	Sn	17:46:47.095	1.6					T__		3.1	0.40	---		15126851	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
2018/08/22	08:52:55.51	1.28	0.84	47.6683	18.5841	6.7	4.1	134	1.4F	12.1	15	10	104	0.14	1.45	m	ke BUD	15126852	iLoc			142

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15126852

Sta	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	257.8	Pg	08:52:57.692	-0.9					T__				---		15126854	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.14	257.8	Lg	08:53:00.383	-0.5					T__				---		15126855	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.34	58.7	Lg	08:53:09.311	1.4					T__				---		15126856	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.38	215.8	Pg	08:53:02.911	-0.3					T__				---		15126857	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.38	215.8	Lg	08:53:09.949	1.0					T__				---		15126858	FDSN	HU	--	BUD	iLoc	HHN	???	_
A336A	0.63	26.1	Lg	08:53:16.430	-1.0					T__				---		15126859	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.80	348.0	Lg	08:53:23.570	0.6					T__				---		15126860	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.84	11.5	Pn	08:53:14.129	0.8					T__				---		15126861	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.84	11.5	Lg	08:53:24.631	-0.1					T__				---		15126862	FDSN	SK	--	BUD	iLoc	HHN	???	_
MPLH	0.87	235.3	Pg	08:53:12.969	0.3					T__				---		15126863	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.87	235.3	Lg	08:53:25.823	0.5					T__				---		15126864	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	0.92	73.7	Lg	08:53:27.928	-0.9					T__				---		15126865	FDSN	GE	--	BUD	iLoc	BHN	???	_
AO03A	1.04	275.6	Lg	08:53:31.174	0.1					T__				---		15126866	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MORH	1.45	178.4	Pn	08:53:21.902	0.2					T__				---		15126867	FDSN	HU	--	BUD	iLoc	BHZ	???	_

MORH 1.45 178.4 Sn 08:53:41.220 -0.8 T__ --- 15126868 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
 2018/08/22 09:15:40.63 1.73 0.63 48.1714 19.7050 13.0 5.0 41 0.0S 10 6 213 0.28 1.52 m kx BUD 15126869 iLoc 295
 (description : known quarry blast)
 (locality : Husina Slovakia)

Magnitude Err Nsta Author OrigID
 M 2.2 5 BUD 15126869

Sta	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	0.28	153.3	Pg	09:15:46.813	-0.3					T__						15126871	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.28	153.3	Lg	09:15:52.052	-0.0					T__						15126872	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	0.48	277.7	Pg	09:15:50.058	-0.3					T__						15126873	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.48	277.7	Lg	09:15:56.997	-0.5					T__						15126874	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A270A	0.56	234.9	Pg	09:15:51.947	-0.4					T__						15126875	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.56	234.9	Lg	09:16:01.705	0.6					T__						15126876	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KECS	0.61	58.8	Pg	09:15:47.772	-5.0					---						15126877	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.61	58.8	Lg	09:15:51.634	-10.4					---						15126878	FDSN	SK	--	BUD	iLoc	EHE	???	_
VVHS	0.66	299.4	Lg	09:16:04.517	0.6					T__						15126879	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.95	287.3	Pg	09:15:59.394	-0.4					T__						15126880	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.95	287.3	Lg	09:16:13.031	-0.7					T__						15126881	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	1.52	297.7	Sn	09:16:30.635	0.9					T__						15126882	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
 2018/08/22 12:52:29.43 1.57 0.12 46.2304 18.4745 16.1 5.1 176 0.0S 5 3 164 0.12 0.51 m kx BUD 15126883 iLoc 308
 2018/08/22 12:52:29.28f 0.63 46.2651 18.4494f 0.0S 5 180 0.14 0.48 m kx BUD_GT 15137106 BUD 304
 (description : known quarry blast)
 (locality : Nagymányok Hungary)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 MLv 0.7 0.6 2 BUD 15137106

Sta	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	0.14	110.0	Pg	12:52:32.384	-0.4					T__		4.7			MLv	15138350	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.14	110.0	Lg	12:52:35.000	-0.6					T__						15138351	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	0.30	234.1	Pg	12:52:35.881	0.0					T__		8.8			MLv	15138352	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.30	234.1	Lg	12:52:41.127	0.1					T__						15138353	FDSN	HU	--	BUD	BUD	BHN	???	_
A265A	0.48	289.6	Lg	12:52:48.344	1.2					T__						15138354	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
 2018/08/22 21:57:08.93 1.07 0.69 47.8055 18.9959 5.6 3.8 109 9.8F 5.1 24 14 97 0.04 1.61 m ke BUD 15126898 iLoc 155
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude Err Nsta Author OrigID

M 1.7 8 BUD 15126898

Sta	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	0.04	21.1	Pg	21:57:11.620	0.5					T__						15126900	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.04	21.1	Lg	21:57:12.392	-0.3					T__						15126901	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BUD	0.32	176.6	Lg	21:57:21.110	-0.2					T__						15126902	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	0.43	0.3	Pg	21:57:18.430	0.7					T__						15126903	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.43	0.3	Lg	21:57:24.142	-0.0					T__						15126904	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A269A	0.45	248.3	Pg	21:57:18.196	0.1					T__						15126905	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.45	248.3	Lg	21:57:24.698	-0.2					T__						15126906	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SR0	0.46	271.2	Lg	21:57:25.149	-0.1					T__						15126907	FDSN	SK	--	BUD	iLoc	EHE	???	_
A338A	0.48	296.1	Pg	21:57:19.401	0.6					T__						15126908	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.48	296.1	Lg	21:57:25.872	-0.0					T__						15126909	FDSN	Z3	00	BUD	iLoc	HH2	???	_
PSZ	0.62	79.1	Pn	21:57:22.456	-0.2					T__						15126910	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.62	79.1	Lg	21:57:31.929	0.6					T__						15126911	FDSN	GE	--	BUD	iLoc	BHN	???	_
CSKK	0.67	228.6	Pn	21:57:22.480	-0.6					T__						15126912	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.67	228.6	Sn	21:57:33.188	-1.3					T__						15126913	FDSN	HU	--	BUD	iLoc	HHE	???	_
VYHS	0.70	351.2	Pn	21:57:23.515	-0.1					T__						15126914	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.70	351.2	Lg	21:57:32.348	-0.7					T__						15126915	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.78	325.7	Pn	21:57:24.759	-0.0					T__						15126916	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.78	325.7	Lg	21:57:34.603	-1.0					T__						15126917	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.82	243.1	Sn	21:57:38.260	0.2					T__						15126918	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A332A	1.06	340.7	Pg	21:57:30.285	0.4					T__						15126919	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	1.06	340.7	Sn	21:57:43.615	-0.4					T__						15126920	FDSN	Z3	00	BUD	iLoc	HHE	???	_
EGYH	1.19	251.5	Pg	21:57:33.936	1.4					T__						15126921	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	1.19	251.5	Lg	21:57:50.056	1.3					T__						15126922	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.61	188.7	Lg	21:58:02.195	-0.5					T__						15126923	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
2018/08/23	07:45:21.34	1.48	1.21	48.3729	19.0881	8.7	4.2	48	0.0S		10	6	183	0.15	1.06	m	kx BUD	15126924	iLoc			239
(locality : Hanisberg Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15126924

Sta	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	203.1	Pg	07:45:24.665	0.1					T__						15126926	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.15	203.1	Lg	07:45:29.030	2.0					T__						15126927	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	0.21	305.9	Pg	07:45:26.323	0.6					T__						15126928	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.21	305.9	Lg	07:45:29.439	0.4					T__						15126929	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.51	278.7	Lg	07:45:37.837	-1.4					T__						15126930	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.53	185.1	Lg	07:45:38.879	-1.7					T__						15126931	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.71	129.8	Pg	07:45:36.918	0.6					T__						15126932	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.71	129.8	Lg	07:45:46.681	-0.8					T__						15126933	FDSN	GE	--	BUD	iLoc	BHN	???	_
JAVC	1.06	297.9	Pg	07:45:42.388	-0.1					T__						15126934	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.06	297.9	Lg	07:45:57.552	-0.3					T__						15126935	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
 2018/08/23 07:51:50.49 2.26 0.63 47.8046 19.9431 16.6 6.3 2 0.0S 9 6 241 0.12 1.25 m kx BUD 15126936 iLoc 273
 (locality : Hanisberg Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.8 4 BUD 15126936

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.12	343.9	Pg	07:51:53.825	0.2					T__						15126938	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.12	343.9	Lg	07:51:55.859	-0.4					T__						15126939	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	0.77	304.4	Lg	07:52:17.204	-0.1					T__						15126940	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KECS	0.77	27.9	Lg	07:52:17.984	0.4					T__						15126941	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	1.00	60.0	Pn	07:52:10.881	-0.1					T__						15126942	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.00	60.0	Lg	07:52:26.054	-0.6					T__						15126943	FDSN	HU	--	BUD	iLoc	HHN	???	_
VYHS	1.01	313.4	Pn	07:52:11.596	0.5					T__						15126944	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.01	313.4	Lg	07:52:24.602	-1.2					T__						15126945	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	1.25	301.4	Pn	07:52:14.572	0.2					T__						15126946	FDSN	Z3	00	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
 2018/08/23 09:15:30.45 0.28 0.59 48.3945 17.2572 5.6 1.4 128 0.0F 0.0 16 1 0.95 1.63 a sx VIE 15109149 ISC 360
 2018/08/23 09:15:29.80 0.95 0.65 48.3886 17.2324 3.9 2.9 117 0.0S 35 16 53 0.34 1.62 m kx BUD 15126967 iLoc 75
 (description : known quarry blast)
 (locality : Rohoznik Slovakia)

Magnitude Err Nsta Author OrigID
 mb 1.5 VIE 15109149
 ml 1.8 VIE 15109149
 M 1.8 8 BUD 15126967

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A333A	0.34	345.4	Pg	09:15:37.942	1.2					T__						15126969	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	0.34	345.4	Lg	09:15:42.170	0.2					T__						15126970	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A001A	0.55	308.8	Lg	09:15:48.860	0.1					T__						15126971	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	0.55	31.5	Pg	09:15:40.879	-0.3					T__						15126972	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.55	31.5	Lg	09:15:48.288	-1.3					T__						15126973	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.55	31.5	Pg	09:15:40.400	-0.8					T__						15126974	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.55	31.5	Lg	09:15:49.600	0.0					T__						15126975	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.74	85.0	Pg	09:15:45.144	0.5					T__						15126976	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.74	85.0	Lg	09:15:55.302	-0.2					T__						15126977	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOP	0.84	212.9	Pn	09:15:47.942	-0.1					T__						15126978	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.84	212.9	Lg	09:15:59.090	0.3					T__						15126979	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	0.87	320.9	Pg	09:15:46.695	0.3					T__						15126980	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.87	320.9	Lg	09:15:59.921	1.1					T__						15126981	FDSN	CZ	--	BUD	iLoc	BHE	???	_
RONA	0.93	222.7	Pg	09:15:48.079	-0.4					T__		1.9	0.28			15126982	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.93	222.7	Lg	09:16:02.460	0.3					T__		16.0	0.54			15126983	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.01	335.6	Pg	09:15:48.600	-0.2					T__						15126984	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.01	335.6	Pg	09:15:49.050	0.2					T__						15126985	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.01	335.6	Lg	09:16:03.868	0.9					T__						15126986	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CONA	1.03	243.9	Pg	09:15:50.296	0.1					T__						15126987	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.03	243.9	Lg	09:16:06.014	0.7					T__						15126988	FDSN	OE	--	BUD	iLoc	BHN	???	_

CONA	1.03	243.9	Pg	09:15:49.444	-0.7	T__	0.4	0.22	---	15126989	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.03	243.9	Lg	09:16:05.497	0.1	T__	1.9	0.28	---	15126990	FDSN	IR	--	ISC	iLoc	???	???	_
VVHS	1.07	83.8	Sn	09:16:07.746	0.0	T__			---	15126991	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.19	96.8	Sn	09:16:10.220	-0.1	T__			---	15126992	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MPLH	1.24	170.2	Pg	09:15:55.005	0.6	T__			---	15126993	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.24	170.2	Lg	09:16:13.216	1.2	T__			---	15126994	FDSN	HU	--	BUD	iLoc	BHN	???	_
CSKK	1.24	145.6	Lg	09:16:12.523	0.3	T__			---	15126995	FDSN	HU	--	BUD	iLoc	HHN	???	_
A013A	1.26	255.8	Lg	09:16:11.226	-1.1	T__			---	15126996	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORC	1.40	8.2	Pn	09:15:56.043	0.1	T__			---	15126997	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.40	8.2	Lg	09:16:15.293	-0.0	T__			---	15126998	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	1.40	8.2	Pn	09:15:55.400	-0.6	T__			---	15126999	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.62	226.0	Pg	09:16:00.795	-0.4	T__	1.8	0.32	---	15127000	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.62	226.0	Lg	09:16:23.497	-0.2	T__	1.9	0.38	---	15127001	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.62	226.0	Pg	09:16:00.267	-1.0	T__			---	15127002	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.62	226.0	Lg	09:16:24.572	0.9	T__			---	15127003	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
2018/08/24	07:31:04.29	3.10	0.50	48.1397	21.3353	18.4	6.9	149	0.0S		5	4	219	0.17	1.01	m	kx	BUD	15127004	iLoc		279
2018/08/24	07:31:06.34f		1.28	48.2470	21.2460f				0.0S		5		206	0.05	0.97	m	kx	BUD_GT	15137112	BUD		255

(GT info : GT2 explosion)

(locality : Tallya Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ABAH	0.05	355.1	Pg	07:31:08.485	0.6					T__						15138355	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	07:31:11.125	1.8					T__						15138356	FDSN	HU	--	BUD	BUD	HHZ	???	_
KECS	0.56	295.3	Lg	07:31:27.523	1.4					T__						15138357	FDSN	SK	--	BUD	BUD	EHN	???	_
PSZ	0.96	250.6	Lg	07:31:40.195	-1.4					T__						15138358	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Lg	07:31:39.572	-1.0					T__						15138359	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
2018/08/24	11:34:56.92	1.18	0.73	48.2048	21.2712	8.7	5.0	156	0.0S		10	6	158	0.09	0.99	m	kx	BUD	15127011	iLoc		203
2018/08/24	11:34:57.68f		0.54	48.2470	21.2460f				0.0S		10		153	0.05	0.97	m	kx	BUD_GT	15137115	BUD		198

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Tallya Hungary)

Magnitude	Err	Nsta	Author	OrigID
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ML	1.8	0.2	3 BUD	15127011
ML	1.8	0.2	3 BUD	15137115

Sta	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	11:34:59.571	0.3					T__		1026.2			MLv	15138360	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	11:35:01.094	0.4					T__						15138361	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	11:35:09.750	0.8					T__		9.7			MLv	15138362	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	11:35:17.742	0.3					T__						15138363	FDSN	SK	--	BUD	BUD	EHE	???	_

HOLU	0.81	69.3	Pn	11:35:15.005	-0.8	T__									15138364	FDSN	UA	--	BUD	BUD	MHZ	???	-
HOLU	0.81	69.3	Lg	11:35:27.157	0.2	T__									15138365	FDSN	UA	--	BUD	BUD	MHZ	???	-
TRPA	0.87	97.2	Lg	11:35:29.563	0.0	T__									15138366	FDSN	HU	--	BUD	BUD	BHN	???	-
PSZ	0.96	250.6	Pn	11:35:17.752	-0.2	T__				4.2		MLv			15138367	FDSN	GE	--	BUD	BUD	BHZ	BHZ	-
PSZ	0.96	250.6	Lg	11:35:31.900	-1.0	T__									15138368	FDSN	GE	--	BUD	BUD	BHN	???	-
KOLS	0.97	44.4	Lg	11:35:31.651	-0.2	T__									15138369	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
2018/08/24	14:10:41.69	1.21	1.18	48.8745	21.3037	8.3	4.6	156	6.4F	10.8	14	8	124	0.11	1.34	m	ke BUD	15127036	iLoc			200

Magnitude	Err	Nsta	Author	OrigID
M	1.7	7	BUD	15127036

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CRVS	0.11	75.0	Pg	14:10:44.100	-0.1					T__		1.2				15127038	FDSN	IR	--	ISC	iLoc	???	???	-
CRVS	0.11	75.0	Pg	14:10:44.232	0.0					T__						15127039	FDSN	SK	--	BUD	iLoc	HHZ	???	-
ABAH	0.58	184.2	Pg	14:10:54.418	1.3					T__						15127040	FDSN	HU	--	BUD	iLoc	HHZ	???	-
ABAH	0.58	184.2	Lg	14:11:01.755	-0.9					T__						15127041	FDSN	HU	--	BUD	iLoc	HHN	???	-
KOLS	0.64	84.4	Pg	14:10:56.505	2.6					T__						15127042	FDSN	SK	--	BUD	iLoc	HHZ	???	-
KOLS	0.64	84.4	Lg	14:11:03.634	-0.7					T__						15127043	FDSN	SK	--	BUD	iLoc	HHN	???	-
KECS	0.67	234.5	Pg	14:10:55.352	0.4					T__						15127044	FDSN	SK	--	BUD	iLoc	EHE	???	-
KECS	0.67	234.5	Lg	14:11:05.614	0.6					T__						15127045	FDSN	SK	--	BUD	iLoc	EHN	???	-
HOLU	0.80	115.5	Pn	14:10:58.464	-0.5					T__						15127046	FDSN	UA	--	BUD	iLoc	MHZ	???	-
NIE	0.85	310.3	Pn	14:10:59.634	0.0					T__						15127047	FDSN	PL	--	BUD	iLoc	BHZ	???	-
TRPA	1.11	131.7	Pn	14:11:03.446	0.1					T__						15127048	FDSN	HU	--	BUD	iLoc	BHZ	???	-
TRPA	1.11	131.7	Sn	14:11:18.822	-1.8					T__						15127049	FDSN	HU	--	BUD	iLoc	BHN	???	-
PSZ	1.34	225.0	Pg	14:11:08.880	0.5					T__						15127050	FDSN	GE	--	BUD	iLoc	BHZ	???	-
PSZ	1.34	225.0	Lg	14:11:28.696	0.2					T__						15127051	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	
2018/08/26	06:50:44.90			46.2100	17.2600				1.0A		8					a	ke PRU	15109186	ISC				360
2018/08/26	06:50:43.28	0.52	0.67	46.2143	17.0528	3.3	2.3	117	2.0F	0.0	22		1	1.47	1.90	a	ke VIE	15109182	ISC				360
2018/08/26	06:50:42.99	1.02	1.07	45.9978	17.1775	2.9	2.5	135	11.1F	5.8	80	36	39	0.18	3.97	m	ke BUD	15127052	iLoc				79

Magnitude	Err	Nsta	Author	OrigID
mb	2.1		VIE	15109182
ml	1.8		VIE	15109182
M	2.5	15	BUD	15127052

Sta	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	0.18	25.6	Pg	06:50:47.213	-0.1					T__						15127054	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A264A	0.18	25.6	Lg	06:50:50.773	0.1					T__						15127055	FDSN	Z3	00	BUD	iLoc	HHN	???	-
A273A	0.45	100.1	Pg	06:50:52.146	-0.3					T__						15127056	FDSN	Z3	--	BUD	iLoc	HHZ	???	-
A273A	0.45	100.1	Lg	06:50:59.381	0.1					T__						15127057	FDSN	Z3	--	BUD	iLoc	HHN	???	-
MOSL	0.49	217.7	Pg	06:50:53.580	0.6					T__						15127058	FDSN	IR	--	ISC	iLoc	???	???	-
MOSL	0.49	217.7	Lg	06:51:01.550	1.0					T__						15127059	FDSN	IR	--	ISC	iLoc	???	???	-
KALN	0.52	285.1	Pg	06:50:53.680	-0.1					T__						15127060	FDSN	IR	--	ISC	iLoc	???	???	-
KALN	0.52	285.1	Lg	06:51:00.260	-1.6					T__						15127061	FDSN	IR	--	ISC	iLoc	???	???	-

BEHE	0.55	329.6	Pg	06:50:55.300	1.0	T__	1.2	---	15127062	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.55	329.6	Lg	06:51:05.500	2.9	T__	1.2	---	15127063	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.55	329.6	Pg	06:50:55.475	1.2	T__		---	15127064	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.55	329.6	Lg	06:51:05.231	2.6	T__		---	15127065	FDSN	HU	--	BUD	iLoc	BHN	???	_
A265A	0.61	44.9	Pg	06:50:55.079	-0.3	T__		---	15127066	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.61	44.9	Lg	06:51:03.490	-0.7	T__		---	15127067	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	0.65	81.6	Pn	06:50:55.100	-2.1	T__	0.2	---	15127068	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.65	81.6	Pn	06:50:56.264	-0.9	T__		---	15127069	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.65	81.6	Lg	06:51:05.679	-0.1	T__		---	15127070	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.65	81.6	Lg	06:51:06.800	1.1	T__	0.2	---	15127071	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	0.65	8.4	Pg	06:50:56.208	-0.0	T__		---	15127072	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.65	8.4	Lg	06:51:05.294	-0.4	T__		---	15127073	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A252A	0.73	139.9	Pn	06:50:57.681	-0.8	T__		---	15127074	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.73	139.9	Lg	06:51:06.868	-1.4	T__		---	15127075	FDSN	Z3	--	BUD	iLoc	BHE	???	_
LOB0	0.79	281.9	Pn	06:50:59.370	0.0	T__		---	15127076	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.79	281.9	Lg	06:51:09.850	-0.1	T__		---	15127077	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.85	264.3	Pg	06:50:59.785	0.1	T__		---	15127078	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.85	264.3	Lg	06:51:11.134	-0.7	T__		---	15127079	FDSN	CR	--	BUD	iLoc	BHE	???	_
ZAG	0.85	258.8	Pn	06:51:00.000	-0.2	T__		---	15127080	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.85	264.3	Pg	06:51:00.070	0.1	T__		---	15127081	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.85	264.3	Pg	06:51:00.100	0.1	T__	0.2	---	15127082	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.85	264.3	Lg	06:51:10.830	-1.6	T__		---	15127083	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.85	264.3	Lg	06:51:10.900	-1.6	T__	0.2	---	15127084	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	0.92	54.6	Pn	06:51:00.704	-0.2	T__		---	15127085	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.92	54.6	Sn	06:51:13.463	-1.5	T__		---	15127086	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A261A	0.95	358.8	Pn	06:51:01.914	0.4	T__		---	15127087	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A261A	0.95	358.8	Sn	06:51:16.130	0.1	T__		---	15127088	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A262A	0.98	332.8	Pg	06:51:02.587	0.3	T__		---	15127089	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	0.98	332.8	Sn	06:51:15.156	-1.3	T__		---	15127090	FDSN	Z3	00	BUD	iLoc	HHN	???	_
TIH	1.03	28.3	Pn	06:51:03.042	0.6	T__		---	15127091	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	1.03	28.5	Pn	06:51:02.900	0.5	T__	0.8	---	15127092	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.04	77.5	Pn	06:51:01.700	-0.9	T__	0.1	---	15127093	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.04	77.4	Pn	06:51:01.974	-0.6	T__		---	15127094	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.04	77.4	Sn	06:51:18.147	0.3	T__		---	15127095	FDSN	HU	--	BUD	iLoc	BHN	???	_
MPLH	1.20	11.9	Pn	06:51:05.129	0.3	T__		---	15127096	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.20	11.9	Sn	06:51:23.144	1.3	T__		---	15127097	FDSN	HU	--	BUD	iLoc	BHN	???	_
A021A	1.21	309.5	Pn	06:51:05.046	0.2	T__		---	15127098	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	1.21	309.5	Sn	06:51:20.938	-0.6	T__		---	15127099	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BLY	1.21	179.9	Pn	06:51:06.808	1.6	T__		---	15127100	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.21	179.9	Lg	06:51:23.907	1.1	T__		---	15127101	FDSN	MN	--	BUD	iLoc	BHN	???	_
BLY	1.25	179.8	Sn	06:51:24.100	1.0	T__		---	15127102	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	1.26	252.9	Pg	06:51:07.450	0.2	T__		---	15127103	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	1.26	252.9	Lg	06:51:23.560	-0.8	T__		---	15127104	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.42	4.2	Lg	06:51:30.879	0.5	T__		---	15127105	FDSN	HU	--	BUD	iLoc	HHE	???	_
EGYH	1.42	4.2	Lg	06:51:31.100	0.6	T__		---	15127106	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	1.56	28.2	Pn	06:51:12.304	2.5	T__		---	15127107	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PLIT	1.57	224.9	Pg	06:51:12.670	-0.6	T__		---	15127108	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.57	224.9	Sn	06:51:31.860	0.6	T__		---	15127109	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.63	295.4	Pn	06:51:10.759	-0.2	T__	0.3	0.16	15127110	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.63	295.4	Sn	06:51:32.225	-0.1	T__	1.4	0.28	15127111	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.69	318.3	Pg	06:51:14.289	-1.4	T__		---	15127112	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.69	318.3	Pn	06:51:10.753	-0.9	T__	1.7	0.36	15127113	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.69	318.3	Pg	06:51:14.600	-1.1	T__	0.1	---	15127114	FDSN	IR	--	ISC	iLoc	???	???	_

ARSA	1.69	318.3	Sn	06:51:32.535	-1.1	T__	6.8	0.34	---	15127115	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.81	340.8	Pn	06:51:12.891	-0.6	T__	1.3	0.18	---	15127116	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.81	340.8	Sn	06:51:34.180	-2.8	T__	2.3	0.40	---	15127117	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.89	286.6	Pn	06:51:15.015	0.3	T__	1.1	0.20	---	15127118	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.89	286.6	Sn	06:51:40.372	1.4	T__	3.9	0.32	---	15127119	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.13	335.5	Pn	06:51:18.411	0.4	T__			---	15127120	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	2.13	335.5	Pn	06:51:16.779	-1.2	T__	0.5	0.20	---	15127121	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.13	335.5	Pg	06:51:19.400	-5.1	---	0.0		---	15127122	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.13	335.5	Sn	06:51:45.228	0.2	T__	1.2	0.44	---	15127123	FDSN	IR	--	ISC	iLoc	???	???	_
VIRC	2.27	222.1	Pn	06:51:21.460	0.9	T__			---	15127124	FDSN	IR	--	ISC	iLoc	???	???	_
VIRC	2.27	222.1	Sn	06:51:47.880	-0.6	T__			---	15127125	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.51	217.6	Pn	06:51:24.390	0.3	T__			---	15127126	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.51	217.6	Sn	06:51:55.650	0.8	T__			---	15127127	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.11	350.5	Pn	06:51:31.300	-0.2	T__			---	15127128	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.11	350.5	Pn	06:51:31.300	-0.2	T__			---	15127129	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.11	350.5	Sn	06:52:06.100	-2.2	T__			---	15127130	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.34	353.4	Pn	06:51:34.700	0.1	T__			---	15127131	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	3.79	3.6	Pn	06:51:41.300	0.2	T__			---	15127132	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	3.79	3.6	Pg	06:51:41.600	-13.1	---			---	15127133	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.97	323.4	Pn	06:51:45.300	2.0	T__			---	15127134	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.97	323.4	Sn	06:52:29.700	-0.0	T__			---	15127135	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
2018/08/27	08:00:45.94	1.56	0.88	48.2120	18.6413	13.6	6.4	40	0.0A		6	3	206	0.31	0.91	m	ke BUD	15127150	iLoc			290

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.4	3 BUD	15127150

Sta	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	0.31	24.6	Pg	08:00:51.823	-0.5				T__		2.0	1.0		---	MLv	0.2	15127152	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.31	24.6	Lg	08:00:57.392	0.2				T__					---			15127153	FDSN	SK	--	BUD	iLoc	HHN	???	_
(Station ML : 0.2 1																									
PSZ	0.89	108.8	Pg	08:01:04.084	-0.6				T__		1.6	3.5		---	MLv	1.5	15127154	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	108.8	Lg	08:01:18.697	0.1				T__					---			15127155	FDSN	GE	--	BUD	iLoc	BHN	???	_
(Station ML : 1.5 1																									
JAVC	0.91	315.5	Pn	08:01:06.226	0.9				T__		1.4	6.3		---	MLv	1.8	15127156	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_
JAVC	0.91	315.5	Lg	08:01:16.904	-0.8				T__					---			15127157	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		
2018/08/27	10:14:09.18	1.14	1.02	48.3386	19.8576	6.1	4.1	1	0.0S		12	7	88	0.42	1.02	m	kx BUD	15127136	iLoc					167

(locality : Husina Slovakia)
(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.7		5 BUD	15127136

Sta	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	10:14:18.364	-0.1				T__					---			15127138	FDSN	GE	--	BUD	iLoc	BHZ	???	_

PSZ	0.42	176.6	Lg	10:14:24.826	-0.6	T__	---	15127139	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.44	70.7	Pg	10:14:18.344	0.2	T__	---	15127140	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.44	70.7	Lg	10:14:25.608	0.6	T__	---	15127141	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	0.58	259.9	Pg	10:14:21.646	0.6	T__	---	15127142	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.58	259.9	Lg	10:14:29.552	-0.1	T__	---	15127143	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	0.70	283.3	Pg	10:14:23.189	-0.0	T__	---	15127144	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.70	283.3	Lg	10:14:32.409	-1.2	T__	---	15127145	FDSN	SK	--	BUD	iLoc	HHN	???	_
LANS	0.85	342.5	Lg	10:14:37.518	-0.9	T__	---	15127146	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.92	92.1	Pn	10:14:29.240	0.7	T__	---	15127147	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.92	92.1	Lg	10:14:40.391	-2.2	T__	---	15127148	FDSN	HU	--	BUD	iLoc	HHE	???	_
A335A	1.02	276.7	Lg	10:14:43.600	-0.8	T__	---	15127149	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
2018/08/28	08:19:37.05	1.09	2.13	48.6325	20.6947	6.9	4.5	156	0.0S		12	7	84	0.20	2.87	m	kx BUD	15127171	iLoc			155
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	5	BUD	15127171

Sta	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	223.0	Pg	08:19:40.896	-0.4					T__						15127173	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	223.0	Lg	08:19:44.321	-0.3					T__						15127174	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.49	132.7	Pg	08:19:46.129	-0.9					T__						15127175	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.49	132.7	Lg	08:19:52.893	-2.5					T__						15127176	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	61.7	Pg	08:19:47.991	-0.1					T__						15127177	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	61.7	Lg	08:19:55.914	-1.6					T__						15127178	FDSN	SK	--	BUD	iLoc	HHN	???	_
NIE	0.83	342.4	Pn	08:19:57.087	1.8					T__						15127179	FDSN	PL	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	217.1	Pg	08:19:55.258	-0.6					T__						15127180	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	217.1	Lg	08:20:08.711	-1.0					T__						15127181	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORC	2.36	300.2	Pg	08:20:33.600	12.1					---						15127182	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.36	300.2	Sn	08:20:51.600	3.4					---						15127183	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.79	285.6	Pg	08:20:27.300	-2.6					T__						15127184	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.87	280.2	Pg	08:20:29.100	-2.8					T__						15127185	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	
2018/08/28	09:05:22.49	1.45	0.43	46.1984	18.2692	7.9	5.1	136	0.0S		6	3	140	0.16	0.33	m	kx BUD	15127186	iLoc				273
2018/08/28	09:05:22.42f		0.44	46.1765	18.2926f				0.0S		6		155	0.16	0.35	m	kx BUD_GT	15137118	BUD				276
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Komló-II Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.7	3 BUD	15127186
ML	1.0	0.7	3 BUD	15137118

Sta	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	09:05:26.566	0.3					T__		19.6			MLv	15138370	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_

KOVH	0.16	236.7	Lg	09:05:29.140	-0.2				T__						15138371	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.25	80.7	Pg	09:05:28.611	0.7				T__		3.6		MLv		15138372	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:05:32.275	0.0				T__						15138373	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.35	356.8	Pg	09:05:29.664	-0.3				T__		29.2		MLv		15138374	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A266A	0.35	356.8	Lg	09:05:35.219	-0.7				T__						15138375	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
2018/08/29	07:41:43.09	1.06	0.92	47.9163	19.4423	6.1	3.6	6	0.0S	16	10	138		0.29	1.51	m	kx	BUD	15127207	iLoc		146
2018/08/29	07:41:43.00f		0.87	47.9151	19.4088f				0.0S	16		138		0.27	1.49	m	kx	BUD_GT	15135835	BUD		145

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15135835

Sta	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	Lg	07:41:55.854	2.5					T__						15138378	FDSN	Z3	00	BUD	BUD	HHE	???	_
ET1H	0.31	96.4	Pg	07:41:49.720	-0.2					T__						15138376	FDSN	HU	--	BUD	BUD	HHZ	???	_
ET1H	0.31	96.4	Lg	07:41:55.018	-0.2					T__						15138377	FDSN	HU	--	BUD	BUD	HHN	???	_
PSZ	0.33	89.2	Pg	07:41:49.885	-0.5					T__						15138379	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.33	89.2	Lg	07:41:55.148	-0.9					T__						15138380	FDSN	GE	--	BUD	BUD	BHN	???	_
A336A	0.42	319.4	Pg	07:41:52.626	1.0					T__						15138381	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.42	319.4	Lg	07:41:58.425	0.4					T__						15138382	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	0.69	326.7	Pn	07:41:58.748	-0.3					T__						15138383	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.69	326.7	Lg	07:42:08.027	0.6					T__						15138384	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	0.89	306.9	Lg	07:42:14.309	0.2					T__						15138386	FDSN	Z3	00	BUD	BUD	HHE	???	_
KECS	0.92	51.3	Lg	07:42:14.675	-0.4					T__						15138385	FDSN	SK	--	BUD	BUD	EHE	???	_
CSKK	0.95	235.0	Pn	07:42:02.695	0.1					T__						15138387	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.95	235.0	Lg	07:42:15.159	-1.1					T__						15138388	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	1.47	240.2	Lg	07:42:32.470	-1.0					T__						15138389	FDSN	HU	--	BUD	BUD	BHE	???	_
JAVC	1.49	309.8	Pg	07:42:13.082	0.5					T__						15138390	FDSN	CZ	--	BUD	BUD	BHE	???	_
JAVC	1.49	309.8	Lg	07:42:33.648	-0.8					T__						15138391	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
2018/08/29	08:41:11.86	1.33	0.85	47.8581	19.1218	8.9	5.4	16	5.0A	9	5	176		0.07	0.79	m	ke	BUD	15127265	iLoc		271

Magnitude	Err	Nsta	Author	OrigID
M	1.6	5	BUD	15127265

Sta	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	259.5	Pg	08:41:13.311	-0.4					T__						15127267	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.38	347.7	Pg	08:41:19.658	-0.0					T__						15127268	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.38	347.7	Lg	08:41:25.205	-0.2					T__						15127269	FDSN	Z3	00	BUD	iLoc	HH3	???	_
PSZ	0.52	83.1	Pg	08:41:23.171	0.1					T__						15127270	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.52	83.1	Lg	08:41:29.934	-1.4					T__						15127271	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	0.66	343.4	Pn	08:41:27.709	1.0					T__						15127272	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.66	343.4	Lg	08:41:34.024	-1.0					T__						15127273	FDSN	SK	--	BUD	iLoc	HHN	???	_

A335A	0.79	318.5	Pg	08:41:27.467	-0.1	T__	---	15127274	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.79	318.5	Lg	08:41:38.790	-0.3	T__	---	15127275	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
2018/08/29	10:33:18.06	2.02	0.50	46.1453	18.0189	14.3	7.7	61	0.0S	5	3	207	0.08	1.08	m	kx	BUD	15127225	iLoc			305
2018/08/29	10:33:18.11f		0.62	46.1204	18.0243f				0.0S	5		221	0.06	1.10	m	kx	BUD_GT	15137124	BUD			315

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

Magnitude	Err	Nsta	Author	OrigID
M	1.3	2	BUD	15137124

Sta	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	121.4	Pg	10:33:20.592	0.6					T__						15138400	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.06	121.4	Lg	10:33:21.804	0.1					T__						15138401	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.44	77.3	Pg	10:33:27.586	0.2					T__						15138402	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.44	77.3	Lg	10:33:34.199	-0.3					T__						15138403	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.5	Lg	10:33:55.664	-1.2					T__						15138404	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
2018/08/29	11:02:47.34	1.97	0.43	46.1298	18.0429	13.8	7.8	62	0.0S	5	3	205	0.06	1.10	m	kx	BUD	15127232	iLoc			301
2018/08/29	11:02:47.01f		0.39	46.1254	18.0152f				0.0S	5		220	0.07	1.10	m	kx	BUD_GT	15137127	BUD			315

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

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.2	0.7	2	BUD	15137127

Sta	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	11:02:49.311	0.2					T__		91.3			MLv	15138405	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	11:02:50.523	-0.3					T__						15138406	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.45	78.1	Pg	11:02:56.651	0.2					T__		0.9			MLv	15138407	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	11:03:02.918	-0.7					T__						15138408	FDSN	HU	--	BUD	BUD	BHE	???	_
MPLH	1.10	342.8	Lg	11:03:25.664	0.1					T__						15138409	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	
2018/08/29	12:53:10.01	1.21	1.35	47.5315	18.0948	6.0	3.4	125	1.0F	1.0	16	11	112	0.15	6.29	m	ke	BUD	15127247	iLoc			140

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15127247

Sta	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	0.15	229.2	Pg	12:53:12.395	-1.0					T__						15127249	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.15	229.2	Lg	12:53:15.241	-0.7					T__						15127250	FDSN	Z3	00	BUD	iLoc	HHE	???	_

CSKK	0.20	146.2	Pg	12:53:14.143	-0.2	T__	---	15127251	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.20	146.2	Lg	12:53:17.649	-0.0	T__	---	15127252	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.22	61.1	Lg	12:53:17.072	-1.1	T__	---	15127253	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SRO	0.32	27.6	Pg	12:53:17.887	1.4	T__	---	15127254	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MPLH	0.52	226.5	Pg	12:53:20.315	-0.2	T__	---	15127255	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.52	226.5	Lg	12:53:28.252	-0.1	T__	---	15127256	FDSN	HU	--	BUD	iLoc	BHN	???	_
EGYH	0.53	257.7	Lg	12:53:28.128	-0.6	T__	---	15127257	FDSN	HU	--	BUD	iLoc	HHN	???	_
A336A	0.93	40.6	Lg	12:53:39.335	-2.7	T__	---	15127258	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A335A	0.93	9.9	Pg	12:53:29.001	0.5	T__	---	15127259	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.93	9.9	Lg	12:53:40.738	-1.2	T__	---	15127260	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	1.08	27.1	Pg	12:53:31.383	-0.2	T__	---	15127261	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.08	27.1	Lg	12:53:46.590	-0.8	T__	---	15127262	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORH	1.37	163.8	Lg	12:53:55.462	-1.0	T__	---	15127263	FDSN	HU	--	BUD	iLoc	BHE	???	_
TRIV	6.29	205.0	Sn	12:55:57.770	2.4	T__	---	15127264	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
2018/08/29	13:29:08.20	0.60		46.2310	17.0990	0.1	0.1		14.0F	2.8	34			1.44	4.92	a	ke BEO	15109315	ISC			360
2018/08/29	13:29:08.00		0.83	46.2200	17.0400				12.0A				1	1.46	3.22	a	ke CSEM	15109312	ISC			360
2018/08/29	13:29:11.70			46.4600	17.2300				10.0A		14					a	ke PRU	15109318	ISC			360
2018/08/29	13:29:07.52	0.81	1.09	46.1817	17.0544	1.9	1.9	33	13.6F	7.6	207	99	17	0.16	4.92	m	ke BUD	15127394	iLoc			25

Magnitude	Err	Nsta	Author	OrigID
ML	2.8		BEO	15109315
mb	3.1		CSEM	15109312
M	3.1	37	BUD	15127394

Sta	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	0.16	97.6	Pg	13:29:12.364	0.5					T__						15127396	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.16	97.6	Lg	13:29:16.021	0.9					T__						15127397	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BEHE	0.35	326.3	Pg	13:29:15.400	0.3					T__		6.2				15127398	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.35	326.3	Pg	13:29:15.000	-0.1					T__						15127399	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.35	326.3	Lg	13:29:20.743	0.1					T__						15127400	FDSN	HU	--	BUD	iLoc	BHN	???	_
KALN	0.42	263.3	Pg	13:29:15.650	-0.8					T__						15127401	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.42	263.3	Lg	13:29:22.240	-0.9					T__						15127402	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	0.49	21.3	Pg	13:29:18.364	0.6					T__						15127403	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.49	21.3	Lg	13:29:26.166	1.0					T__						15127404	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A265A	0.57	64.4	Pg	13:29:19.814	0.6					T__						15127405	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.57	64.4	Lg	13:29:28.316	0.7					T__						15127406	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A273A	0.59	116.3	Pg	13:29:20.227	0.5					T__						15127407	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.59	116.3	Sn	13:29:29.331	-1.8					T__						15127408	FDSN	Z3	--	BUD	iLoc	HHE	???	_
MOSL	0.61	200.3	Pg	13:29:19.260	-0.6					T__						15127409	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.61	200.3	Lg	13:29:27.460	-1.4					T__						15127410	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.62	295.8	Pg	13:29:19.960	0.0					T__						15127411	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.62	295.8	Lg	13:29:28.070	-0.8					T__						15127412	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.62	295.8	IAML	13:29:33.570	-99.0					---		313.0	0.16			15127413	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.69	268.1	Pg	13:29:22.050	0.8					T__						15127414	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.69	268.1	Lg	13:29:30.690	-0.5					T__						15127415	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.73	96.9	Pn	13:29:22.473	-0.2					T__						15127416	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.73	96.9	Pn	13:29:23.000	0.3					T__		4.6				15127417	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.73	96.9	Lg	13:29:32.221	-0.8					T__						15127418	FDSN	HU	--	BUD	iLoc	BHE	???	_
A262A	0.77	332.1	Pn	13:29:24.398	1.1					T__						15127419	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A262A	0.77	332.1	Lg	13:29:34.089	0.1	T__	---	15127420	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PTJ	0.80	250.5	Pg	13:29:23.348	-0.1	T__	---	15127421	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.80	250.5	Lg	13:29:34.409	-0.5	T__	---	15127422	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.81	250.4	Pg	13:29:23.800	0.1	T__	2.0	15127423	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.81	250.4	Lg	13:29:34.070	-1.5	T__	---	15127424	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.81	250.4	Lg	13:29:34.100	-1.5	T__	2.0	15127425	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.82	244.9	Pn	13:29:26.700	2.6	T__	2.7	15127426	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.82	244.9	Lg	13:29:34.840	-0.7	T__	---	15127427	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.82	244.9	Pn	13:29:24.488	0.4	T__	---	15127428	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.82	244.9	Lg	13:29:35.763	0.2	T__	---	15127429	FDSN	CR	--	BUD	iLoc	BHN	???	_
A266A	0.91	67.3	Pg	13:29:25.768	0.1	T__	---	15127430	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.91	67.3	Sn	13:29:39.251	0.5	T__	---	15127431	FDSN	Z3	00	BUD	iLoc	HHN	???	_
TIH	0.92	38.4	Pg	13:29:25.790	-0.0	T__	---	15127432	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.92	38.4	Lg	13:29:38.378	-0.4	T__	---	15127433	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.92	38.5	Pg	13:29:26.300	0.4	T__	6.3	15127434	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	0.92	38.5	Sn	13:29:39.500	0.3	T__	6.3	15127435	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	0.93	143.1	Pg	13:29:26.165	-0.1	T__	---	15127436	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.93	143.1	Lg	13:29:38.180	-0.9	T__	---	15127437	FDSN	Z3	--	BUD	iLoc	BHN	???	_
GOLS	1.01	260.8	Pn	13:29:26.790	0.1	T__	---	15127438	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	1.01	260.8	Lg	13:29:41.580	0.1	T__	---	15127439	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	1.01	260.8	IAML	13:29:45.200	-99.0	---	51.4 0.16	15127440	FDSN	IR	--	ISC	iLoc	???	???	_
A021A	1.03	304.5	Pn	13:29:27.224	0.6	T__	---	15127441	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	1.03	304.5	Sn	13:29:40.887	-0.4	T__	---	15127442	FDSN	Z3	00	BUD	iLoc	HHN	???	_
GCIS	1.04	253.0	Pn	13:29:27.290	0.2	T__	---	15127443	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	1.04	253.0	Lg	13:29:41.620	-0.7	T__	---	15127444	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.04	18.5	Pn	13:29:27.597	0.7	T__	---	15127445	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.04	18.5	Pn	13:29:27.700	0.7	T__	0.7	15127446	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	1.10	268.9	Pn	13:29:28.180	0.3	T__	---	15127447	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	1.10	268.9	Lg	13:29:44.820	0.8	T__	---	15127448	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	1.10	268.9	IAML	13:29:47.540	-99.0	---	68.6 0.16	15127449	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.10	87.7	Pg	13:29:29.700	0.3	T__	---	15127450	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.10	87.7	Pg	13:29:28.395	-1.0	T__	---	15127451	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.10	87.7	Lg	13:29:44.813	-0.1	T__	---	15127452	FDSN	HU	--	BUD	iLoc	BHE	???	_
A260A	1.13	347.9	Pg	13:29:29.880	0.1	T__	---	15127453	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	1.13	347.9	Lg	13:29:46.026	0.6	T__	---	15127454	FDSN	Z3	00	BUD	iLoc	HHN	???	_
OZLJ	1.24	243.5	Pn	13:29:30.500	0.7	T__	---	15127455	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	1.24	243.5	Sn	13:29:47.450	0.2	T__	---	15127456	FDSN	IR	--	ISC	iLoc	???	???	_
A267A	1.25	51.7	Pg	13:29:30.840	-1.2	T__	---	15127457	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.25	51.7	Sn	13:29:47.671	0.7	T__	---	15127458	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	1.25	8.7	Pn	13:29:31.204	1.3	T__	---	15127459	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	1.25	8.7	Pg	13:29:32.700	0.5	T__	---	15127460	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	1.39	25.2	Pn	13:29:32.694	1.0	T__	---	15127461	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BLY	1.40	176.3	Pg	13:29:33.402	-1.3	T__	---	15127462	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.40	176.3	Lg	13:29:53.687	0.2	T__	---	15127463	FDSN	MN	--	BUD	iLoc	BHE	???	_
A020B	1.43	303.0	Pn	13:29:33.174	0.9	T__	---	15127464	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BLY	1.44	176.3	Pn	13:29:32.800	0.2	T__	---	15127465	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.44	176.3	Pg	13:29:36.000	0.6	T__	---	15127466	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.44	176.3	Lg	13:29:53.100	-1.7	T__	---	15127467	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.44	176.3	Sg	13:29:54.600	-0.2	T__	0.4	15127468	FDSN	IR	--	ISC	iLoc	???	???	_
A011B	1.44	328.9	Sn	13:29:52.475	0.7	T__	---	15127469	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CSKK	1.44	34.6	Pg	13:29:36.000	0.2	T__	---	15127470	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	1.44	34.6	Lg	13:29:55.600	0.1	T__	6.7	15127471	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	1.44	34.6	Pn	13:29:33.361	0.9	T__	---	15127472	FDSN	HU	--	BUD	iLoc	HHZ	???	_

SOKA	1.48	290.3	Pn	13:29:33.368	0.2	T__	4.8	0.28	---	15127473	FDSN	IR	--	ISC	iLoc	???	???	-
SOKA	1.48	290.3	Sn	13:29:52.268	-0.5	T__	11.1	0.28	---	15127474	FDSN	IR	--	ISC	iLoc	???	???	-
ARSA	1.50	316.0	Pn	13:29:34.864	1.6	T__			---	15127475	FDSN	OE	--	BUD	iLoc	BHN	???	-
ARSA	1.50	316.0	Sn	13:29:53.900	0.9	T__			---	15127476	FDSN	OE	--	BUD	iLoc	BHE	???	-
ARSA	1.50	316.0	Pg	13:29:35.718	-0.8	T__	1.3	0.14	---	15127477	FDSN	IR	--	ISC	iLoc	???	???	-
ARSA	1.50	316.0	Pb	13:29:35.900	-0.6	T__	0.1		---	15127478	FDSN	IR	--	ISC	iLoc	???	???	-
ARSA	1.50	316.0	Sn	13:29:54.019	1.0	T__	19.9	0.30	---	15127479	FDSN	IR	--	ISC	iLoc	???	???	-
SOP	1.54	347.4	Pn	13:29:34.766	0.9	T__			---	15127480	FDSN	HU	--	BUD	iLoc	BHZ	???	-
SOP	1.54	347.4	Pg	13:29:40.500	2.7	T__			---	15127481	FDSN	IR	--	ISC	iLoc	???	???	-
SOP	1.54	347.4	Lg	13:29:57.400	-1.1	T__	0.2		---	15127482	FDSN	IR	--	ISC	iLoc	???	???	-
A003A	1.58	360.0	Pn	13:29:35.936	1.5	T__			---	15127483	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
RONA	1.61	341.4	Pn	13:29:37.131	2.2	T__	2.7	0.12	---	15127484	FDSN	IR	--	ISC	iLoc	???	???	-
RONA	1.61	341.4	Sn	13:29:55.755	-0.4	T__	10.8	0.22	---	15127485	FDSN	IR	--	ISC	iLoc	???	???	-
PLIT	1.65	218.2	Pn	13:29:36.260	0.4	T__			---	15127486	FDSN	IR	--	ISC	iLoc	???	???	-
PLIT	1.65	218.2	Sn	13:29:59.220	2.0	T__			---	15127487	FDSN	IR	--	ISC	iLoc	???	???	-
A269A	1.72	31.5	Pn	13:29:37.336	1.0	T__			---	15127488	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A012A	1.74	325.2	Pg	13:29:41.214	-0.5	T__			---	15127489	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
OBKA	1.77	281.6	Pn	13:29:37.574	0.4	T__			---	15127490	FDSN	OE	--	BUD	iLoc	BHZ	???	-
OBKA	1.77	281.6	Lg	13:30:04.449	-0.4	T__	44.7	0.56	---	15127491	FDSN	IR	--	ISC	iLoc	???	???	-
SRO	1.85	27.4	Pn	13:29:39.345	1.3	T__			---	15127492	FDSN	SK	--	BUD	iLoc	EHZ	???	-
A019A	1.85	313.8	Pg	13:29:42.688	-0.7	T__			---	15127493	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
BUD	1.88	45.4	Pn	13:29:40.540	2.0	T__			---	15127494	FDSN	HU	--	BUD	iLoc	BHZ	???	-
BUD	1.88	45.4	Pg	13:29:43.000	-2.2	T__	0.6		---	15127495	FDSN	IR	--	ISC	iLoc	???	???	-
BUD	1.88	45.4	Pb	13:29:43.200	-2.0	T__			---	15127496	FDSN	IR	--	ISC	iLoc	???	???	-
UDBI	1.89	209.3	Pn	13:29:40.120	0.6	T__			---	15127497	FDSN	IR	--	ISC	iLoc	???	???	-
UDBI	1.89	209.3	Sn	13:30:04.160	0.6	T__			---	15127498	FDSN	IR	--	ISC	iLoc	???	???	-
CONA	1.93	335.4	Pn	13:29:40.429	1.0	T__			---	15127499	FDSN	OE	--	BUD	iLoc	BHZ	???	-
CONA	1.93	335.4	Sn	13:30:05.340	1.1	T__			---	15127500	FDSN	OE	--	BUD	iLoc	BHE	???	-
CONA	1.93	335.4	Pn	13:29:42.469	3.0	T__	7.7	0.44	---	15127501	FDSN	IR	--	ISC	iLoc	???	???	-
CONA	1.93	335.4	Pg	13:29:42.900	-2.3	T__	0.1		---	15127502	FDSN	IR	--	ISC	iLoc	???	???	-
CONA	1.93	335.4	Pb	13:29:44.700	-0.5	T__			---	15127503	FDSN	IR	--	ISC	iLoc	???	???	-
CONA	1.93	335.4	Sn	13:30:05.116	0.9	T__	17.6	0.46	---	15127504	FDSN	IR	--	ISC	iLoc	???	???	-
CONA	1.93	335.4	Lg	13:30:09.800	-1.3	T__	0.1		---	15127505	FDSN	IR	--	ISC	iLoc	???	???	-
ZST	2.02	0.9	Sn	13:30:06.403	0.5	T__			---	15127506	FDSN	SK	--	BUD	iLoc	HHN	???	-
A338A	2.04	25.3	Pn	13:29:42.362	1.6	T__			---	15127507	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A338A	2.04	25.3	Sn	13:30:07.658	1.4	T__			---	15127508	FDSN	Z3	00	BUD	iLoc	HH2	???	-
RABC	2.15	229.0	Pn	13:29:43.540	0.7	T__			---	15127509	FDSN	IR	--	ISC	iLoc	???	???	-
RABC	2.15	229.0	Sn	13:30:10.020	1.1	T__			---	15127510	FDSN	IR	--	ISC	iLoc	???	???	-
FRGS	2.19	116.9	Pn	13:29:43.800	0.9	T__			---	15127511	FDSN	IR	--	ISC	iLoc	???	???	-
FRGS	2.19	116.9	Lg	13:30:18.700	-0.5	T__			---	15127512	FDSN	IR	--	ISC	iLoc	???	???	-
KIJV	2.22	192.2	Pn	13:29:45.150	0.9	T__			---	15127513	FDSN	IR	--	ISC	iLoc	???	???	-
KIJV	2.22	192.2	Sn	13:30:12.770	1.0	T__			---	15127514	FDSN	IR	--	ISC	iLoc	???	???	-
NVLJ	2.23	224.3	Pn	13:29:45.200	1.1	T__			---	15127515	FDSN	IR	--	ISC	iLoc	???	???	-
NVLJ	2.23	224.3	Sn	13:30:12.710	1.5	T__			---	15127516	FDSN	IR	--	ISC	iLoc	???	???	-
SMRN	2.34	241.7	Pn	13:29:46.330	1.0	T__			---	15127517	FDSN	IR	--	ISC	iLoc	???	???	-
SMRN	2.34	241.7	Sn	13:30:14.170	0.3	T__			---	15127518	FDSN	IR	--	ISC	iLoc	???	???	-
VIRC	2.36	217.5	Pn	13:29:47.260	1.3	T__			---	15127519	FDSN	IR	--	ISC	iLoc	???	???	-
VIRC	2.36	217.5	Sn	13:30:15.740	1.1	T__			---	15127520	FDSN	IR	--	ISC	iLoc	???	???	-
TEKS	2.39	132.2	Pn	13:29:46.500	0.7	T__			---	15127521	FDSN	IR	--	ISC	iLoc	???	???	-
TEKS	2.39	132.2	Sn	13:30:14.800	-0.1	T__			---	15127522	FDSN	IR	--	ISC	iLoc	???	???	-
MYKA	2.40	282.0	Pn	13:29:45.434	-0.6	T__	2.9	0.38	---	15127523	FDSN	IR	--	ISC	iLoc	???	???	-
MYKA	2.40	282.0	Sn	13:30:16.784	1.2	T__	4.9	0.42	---	15127524	FDSN	IR	--	ISC	iLoc	???	???	-
A335A	2.43	20.6	Pn	13:29:47.257	0.9	T__			---	15127525	FDSN	Z3	00	BUD	iLoc	HHZ	???	-

A335A	2.43	20.6	Sn	13:30:15.841	0.0	T__	---	15127526	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	2.44	32.2	Pn	13:29:47.534	1.1	T__	---	15127527	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	2.44	32.2	Sn	13:30:17.645	1.5	T__	---	15127528	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A334A	2.46	9.6	Pn	13:29:46.838	0.1	T__	---	15127529	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
HAPS	2.49	146.7	Pn	13:29:48.700	1.1	T__	---	15127530	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.50	202.9	Pn	13:29:49.700	1.4	T__	---	15127531	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.50	202.9	Sn	13:30:20.180	1.4	T__	---	15127532	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.53	312.2	Pn	13:29:49.727	2.0	T__	1.5 0.22	15127533	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.53	312.2	Sn	13:30:19.988	1.2	T__	2.4 0.22	15127534	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.61	47.2	Pn	13:29:48.640	-0.4	T__	---	15127535	FDSN	GE	--	BUD	iLoc	BHZ	???	_
DUGI	2.61	213.6	Pn	13:29:50.430	0.6	T__	---	15127536	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.61	213.6	Sn	13:30:21.790	0.4	T__	---	15127537	FDSN	IR	--	ISC	iLoc	???	???	_
VVHS	2.61	27.0	Pn	13:29:49.561	0.6	T__	---	15127538	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VVHS	2.61	27.0	Sn	13:30:20.157	-0.2	T__	---	15127539	FDSN	SK	--	BUD	iLoc	HHN	???	_
VVHS	2.61	27.0	Pn	13:29:52.000	3.1	T__	---	15127540	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	2.69	178.8	Pn	13:29:52.480	1.6	T__	---	15127541	FDSN	IR	--	ISC	iLoc	???	???	_
RICI	2.69	178.8	Sn	13:30:25.650	2.2	T__	---	15127542	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.71	290.7	Pn	13:29:51.196	0.6	T__	3.0 0.36	15127543	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.71	290.7	Sn	13:30:23.993	0.3	T__	4.5 0.46	15127544	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	2.71	8.6	Pn	13:29:51.815	1.3	T__	---	15127545	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	2.71	8.6	Sn	13:30:24.093	1.1	T__	---	15127546	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	2.71	8.6	Pn	13:29:51.400	0.9	T__	---	15127547	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.72	202.1	Pn	13:29:52.190	0.7	T__	---	15127548	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.72	202.1	Sn	13:30:24.630	0.5	T__	---	15127549	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	2.79	304.1	Pn	13:29:50.512	-0.8	T__	2.6 0.28	15127550	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	2.79	304.1	Sn	13:30:25.511	0.6	T__	13.5 0.36	15127551	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	2.85	120.2	Pn	13:29:52.900	0.7	T__	---	15127552	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.85	143.4	Pn	13:29:53.700	1.2	T__	---	15127553	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	2.85	143.3	Pn	13:29:53.565	1.3	T__	---	15127554	FDSN	SJ	--	BUD	iLoc	BHZ	???	_
MAKA	2.89	180.5	Pn	13:29:55.220	1.4	T__	---	15127555	FDSN	IR	--	ISC	iLoc	???	???	_
MAKA	2.89	180.5	Sn	13:30:30.100	1.6	T__	---	15127556	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.92	351.4	Pn	13:29:53.100	0.1	T__	---	15127557	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.92	351.4	Sn	13:30:26.300	-1.4	T__	---	15127558	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.92	351.4	Pn	13:29:53.606	0.6	T__	---	15127559	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	2.92	351.4	Sn	13:30:26.495	-1.2	T__	---	15127560	FDSN	CZ	--	BUD	iLoc	BHE	???	_
DIVS	2.94	134.0	Pn	13:29:53.800	0.1	T__	---	15127561	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	2.94	134.0	Sn	13:30:28.900	0.4	T__	---	15127562	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	2.94	134.0	Lg	13:30:40.900	-1.0	T__	---	15127563	FDSN	IR	--	ISC	iLoc	???	???	_
HVAR	3.03	188.4	Pn	13:29:57.170	1.1	T__	---	15127564	FDSN	IR	--	ISC	iLoc	???	???	_
HVAR	3.03	188.4	Sn	13:30:33.220	1.0	T__	---	15127565	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	3.07	128.4	Pn	13:29:56.200	0.9	T__	---	15127566	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.14	354.5	Pn	13:29:56.600	0.4	T__	---	15127567	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.14	354.5	Sn	13:30:31.300	-1.8	T__	---	15127568	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.14	354.5	Pn	13:29:56.984	0.8	T__	---	15127569	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	3.14	354.5	Sn	13:30:32.030	-1.1	T__	---	15127570	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MAUC	3.23	9.0	Sn	13:29:44.000	-51.4	---	---	15127571	FDSN	IR	--	ISC	iLoc	???	???	_
MAUC	3.23	9.0	Pn	13:29:58.300	0.7	T__	---	15127572	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	3.25	98.3	Pn	13:29:58.706	1.0	T__	---	15127573	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LESA	3.25	294.0	Pn	13:29:58.441	0.4	T__	2.2 0.28	15127574	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	3.25	294.0	Sn	13:30:38.867	2.4	T__	3.8 0.40	15127575	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.34	171.8	Pn	13:30:01.400	1.3	T__	---	15127576	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.34	171.8	Pg	13:30:01.620	-10.5	---	---	15127577	FDSN	IR	--	ISC	iLoc	???	???	_
STON	3.34	171.8	Sn	13:30:41.330	1.7	T__	---	15127578	FDSN	IR	--	ISC	iLoc	???	???	_

STON	3.34	171.8	Lg	13:30:41.900	-14.2	---	---	15127579	FDSN	IR	--	ISC	iLoc	???	???	-
LANS	3.39	27.9	Pn	13:30:01.014	1.0	T__	---	15127580	FDSN	SK	--	BUD	iLoc	EHZ	???	-
LSTV	3.41	182.0	Pn	13:30:02.990	1.4	T__	---	15127581	FDSN	IR	--	ISC	iLoc	???	???	-
LSTV	3.41	182.0	Sn	13:30:42.700	0.2	T__	---	15127582	FDSN	IR	--	ISC	iLoc	???	???	-
GRUS	3.46	130.2	Pn	13:30:02.000	1.3	T__	---	15127583	FDSN	IR	--	ISC	iLoc	???	???	-
GRUS	3.46	130.2	Sn	13:30:40.400	-0.2	T__	---	15127584	FDSN	IR	--	ISC	iLoc	???	???	-
GRUS	3.46	130.2	Lg	13:30:59.900	2.3	T__	---	15127585	FDSN	IR	--	ISC	iLoc	???	???	-
MDVR	3.56	111.5	Pn	13:30:01.300	-1.1	T__	---	15127586	FDSN	IR	--	ISC	iLoc	???	???	-
SJES	3.59	143.5	Pn	13:30:04.100	1.3	T__	---	15127587	FDSN	IR	--	ISC	iLoc	???	???	-
TREB	3.59	164.5	Pn	13:30:04.900	1.5	T__	---	15127588	FDSN	IR	--	ISC	iLoc	???	???	-
MORC	3.61	5.0	Pn	13:30:04.067	1.2	T__	---	15127589	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
MORC	3.61	5.0	Sn	13:30:44.526	-0.3	T__	---	15127590	FDSN	CZ	--	BUD	iLoc	BHE	???	-
MORC	3.61	5.0	Pn	13:30:03.800	0.9	T__	---	15127591	FDSN	IR	--	ISC	iLoc	???	???	-
MORC	3.61	5.0	Sn	13:30:44.100	-0.7	T__	---	15127592	FDSN	IR	--	ISC	iLoc	???	???	-
OKC	3.73	10.9	Pn	13:30:05.463	1.0	T__	---	15127593	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
OKC	3.73	10.9	Sn	13:30:47.388	-0.3	T__	---	15127594	FDSN	CZ	--	BUD	iLoc	BHN	???	-
KHC	3.77	322.7	Pn	13:30:07.700	2.9	T__	---	15127595	FDSN	IR	--	ISC	iLoc	???	???	-
KHC	3.77	322.7	Lg	13:31:07.800	-0.6	T__	---	15127596	FDSN	IR	--	ISC	iLoc	???	???	-
KRLC	3.90	357.4	Pn	13:30:08.400	1.6	T__	---	15127597	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	3.95	79.1	Pn	13:30:08.601	0.4	T__	---	15127598	FDSN	RO	--	BUD	iLoc	BHZ	???	-
DRGR	3.95	79.1	Sn	13:30:52.301	-2.0	T__	---	15127599	FDSN	RO	--	BUD	iLoc	BHN	???	-
GZR	4.08	99.1	Sn	13:30:56.453	-0.6	T__	---	15127600	FDSN	RO	--	BUD	iLoc	BHN	???	-
SELS	4.14	134.2	Pn	13:30:10.900	0.5	T__	---	15127601	FDSN	IR	--	ISC	iLoc	???	???	-
SELS	4.14	134.2	Sn	13:30:58.700	1.2	T__	---	15127602	FDSN	IR	--	ISC	iLoc	???	???	-
BOVS	4.17	126.0	Pn	13:30:11.000	0.3	T__	---	15127603	FDSN	IR	--	ISC	iLoc	???	???	-
DPC	4.20	353.6	Pn	13:30:12.800	1.8	T__	---	15127604	FDSN	IR	--	ISC	iLoc	???	???	-
ZAGS	4.37	121.0	Pn	13:30:13.700	0.2	T__	---	15127605	FDSN	IR	--	ISC	iLoc	???	???	-
BARS	4.79	133.0	Pn	13:30:20.000	0.6	T__	---	15127606	FDSN	IR	--	ISC	iLoc	???	???	-
BARS	4.79	133.0	Sn	13:31:14.700	1.3	T__	---	15127607	FDSN	IR	--	ISC	iLoc	???	???	-
ZAPS	4.92	124.2	Pn	13:30:22.300	0.9	T__	---	15127608	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
2018/08/29	16:15:30.34	0.21	0.37	46.0970	21.5948	1.9	1.2	75	6.4F	1.8	18	98	0.17	2.16	a	ke	BUC	15109629	ISC			360
2018/08/29	16:15:29.96	1.14	0.95	46.1204	21.6195	5.0	3.3	83	4.8F	8.9	33	11	92	0.15	2.45	m	ke	BUD	15127276	iLoc		101

Magnitude	Err	Nsta	Author	OrigID
m1	1.5		BUC	15109629
M	1.7	5	BUD	15127276

Sta	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	11.8	Pg	16:15:32.917	-0.5				T__							15127278	FDSN	RO	--	BUD	iLoc	BHZ	???	-
SIRR	0.15	11.8	Lg	16:15:35.751	-0.4				T__							15127279	FDSN	RO	--	BUD	iLoc	BHE	???	-
SIRR	0.15	10.7	Pg	16:15:33.150	-0.3				T__							15127280	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	0.15	10.7	Pg	16:15:33.150	-0.3				T__							15127281	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	0.15	10.7	Lg	16:15:36.941	0.8				T__							15127282	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	0.50	178.3	Pg	16:15:39.674	-0.2				T__							15127283	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BZS	0.50	178.3	Lg	16:15:46.578	-0.7				T__							15127284	FDSN	RO	--	BUD	iLoc	BHE	???	-
SURR	0.51	135.9	Pg	16:15:40.409	0.5				T__							15127285	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	0.51	135.9	Pg	16:15:40.409	0.5				T__							15127286	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	0.51	135.9	Lg	16:15:46.849	-0.5				T__							15127287	FDSN	IR	--	ISC	iLoc	???	???	-
DRGR	1.01	47.9	Pg	16:15:50.594	0.6				T__							15127288	FDSN	IR	--	ISC	iLoc	???	???	-

DRGR	1.01	47.9	Pg	16:15:50.594	0.6	T__	---	15127289	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.01	47.9	Sn	16:16:04.852	-0.9	T__	---	15127290	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.01	47.9	Pn	16:15:49.116	-0.9	T__	---	15127291	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.01	47.9	Sn	16:16:03.731	-2.0	T__	---	15127292	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.09	131.5	Pn	16:15:50.520	-0.2	T__	---	15127293	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.09	131.5	Pn	16:15:50.624	-0.1	T__	---	15127294	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.09	131.5	Pn	16:15:50.624	-0.1	T__	---	15127295	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.09	131.5	Sn	16:16:06.989	-0.2	T__	---	15127296	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	177.2	Pg	16:15:55.378	-0.8	T__	---	15127297	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	177.2	Pg	16:15:55.378	-0.8	T__	---	15127298	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.34	177.2	Sn	16:16:13.526	-0.1	T__	---	15127299	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	155.4	Pg	16:15:56.283	0.4	T__	---	15127300	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	155.4	Pg	16:15:56.283	0.4	T__	---	15127301	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	155.4	Sn	16:16:14.480	0.6	T__	---	15127302	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.65	113.4	Pn	16:16:00.444	1.5	T__	---	15127303	FDSN	RO	--	BUD	iLoc	BHE	???	_
LOT	1.65	113.4	Sn	16:16:22.261	0.4	T__	---	15127304	FDSN	RO	--	BUD	iLoc	BHE	???	_
MORH	2.07	273.7	Pn	16:16:05.458	1.0	T__	---	15127305	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	2.07	273.7	Pn	16:16:05.458	1.0	T__	---	15127306	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	2.07	273.7	Sn	16:16:32.110	1.3	T__	---	15127307	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.15	327.4	Pn	16:16:06.766	0.8	T__	---	15127308	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	2.15	327.4	Pn	16:16:06.766	0.8	T__	---	15127309	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.45	270.5	Sn	16:16:37.543	-2.8	T__	---	15127310	FDSN	HU	--	BUD	iLoc	BHE	???	_
JAVC	3.83	317.1	Pn	16:16:33.300	3.8	---	---	15127311	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	4.57	324.7	Pn	16:16:30.100	-9.6	---	---	15127312	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	4.60	311.7	Pn	16:16:33.400	-6.5	---	---	15127313	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	4.66	315.1	Pn	16:16:32.800	-7.9	---	---	15127314	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
2018/08/29	19:51:25.32	1.08	0.60	47.5018	18.0694	6.5	3.6	132	9.9F	6.8	18	11	110	0.12	1.41	m	ke BUD	15127315	iLoc			136

Magnitude	Err	Nsta	Author	OrigID
M	1.6	6	BUD	15127315

Sta	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	0.12	234.5	Pg	19:51:28.233	-0.3					T__						15127317	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.12	234.5	Lg	19:51:30.634	-0.4					T__						15127318	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.19	136.8	Pg	19:51:29.815	0.1					T__						15127319	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.19	136.8	Lg	19:51:33.507	0.4					T__						15127320	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.25	57.0	Pg	19:51:31.175	0.4					T__						15127321	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.25	57.0	Lg	19:51:35.456	0.5					T__						15127322	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SRO	0.35	27.8	Pg	19:51:33.535	0.8					T__						15127323	FDSN	SK	--	BUD	iLoc	EHZ	???	_
MPLH	0.49	227.6	Pg	19:51:36.257	0.9					T__						15127324	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.49	227.6	Lg	19:51:42.384	-0.3					T__						15127325	FDSN	HU	--	BUD	iLoc	BHE	???	_
EGYH	0.51	260.6	Lg	19:51:44.234	1.0					T__						15127326	FDSN	HU	--	BUD	iLoc	HHN	???	_
TIH	0.61	191.7	Lg	19:51:46.884	0.2					T__						15127327	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A335A	0.96	10.6	Pg	19:51:44.625	0.2					T__						15127328	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.96	10.6	Sn	19:51:57.523	-0.5					T__						15127329	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.96	40.2	Pg	19:51:44.985	0.5					T__						15127330	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.96	40.2	Lg	19:51:56.954	-0.8					T__						15127331	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.12	27.1	Pn	19:51:45.415	-0.6					T__						15127332	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.12	27.1	Lg	19:52:02.984	0.2					T__						15127333	FDSN	SK	--	BUD	iLoc	HHN	???	_

KOVH 1.41 179.1 Lg 19:52:12.929 0.3 T__ --- 15127334 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
 2018/08/30 07:22:56.20 1.63 0.65 47.3143 18.4029 9.4 6.8 99 0.0S 7 6 157 0.11 1.22 m kx BUD 15127335 iLoc 233
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID

Sta	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	296.9	Pg	07:22:59.354	0.3				T__						15127337	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
CSKK	0.11	296.9	Lg	07:23:01.085	-0.3				T__						15127338	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A269A	0.32	357.6	Lg	07:23:08.656	0.2				T__						15127339	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MPLH	0.61	256.5	Lg	07:23:18.656	0.7				T__						15127340	FDSN	HU	--	BUD	iLoc	BHE	???	_	
A261A	0.93	247.5	Lg	07:23:28.141	-0.8				T__						15127341	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MORH	1.11	171.3	Lg	07:23:35.066	0.1				T__						15127342	FDSN	HU	--	BUD	iLoc	BHN	???	_	
VVHS	1.22	13.7	Sn	07:23:37.075	-0.5				T__						15127343	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
 2018/08/30 07:32:50.99 1.36 0.47 47.2541 18.2672 14.7 11.5 35 11.4F 15.7 7 5 168 0.11 1.17 m ke BUD 15127638 iLoc 265

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.11	357.7	Pg	07:32:54.458	0.2				T__						15127640	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
CSKK	0.11	357.7	Lg	07:32:56.466	-0.2				T__						15127641	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	0.50	260.7	Lg	07:33:09.034	0.3				T__						15127642	FDSN	HU	--	BUD	iLoc	BHN	???	_	
A263A	0.90	227.1	Pn	07:33:08.009	-0.4				T__						15127643	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A263A	0.90	227.1	Sn	07:33:22.216	0.0				T__						15127644	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MORH	1.07	165.8	Sn	07:33:26.587	0.5				T__						15127645	FDSN	HU	--	BUD	iLoc	BHE	???	_	
KOVH	1.17	185.7	Lg	07:33:30.430	-0.2				T__						15127646	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
 2018/08/30 07:48:53.86 0.21 0.40 46.9159 22.2861 1.7 1.3 157 3.1F 1.8 21 125 0.32 2.11 a ke BUC 15109686 ISC 360
 2018/08/30 07:48:52.52 0.93 0.89 46.9675 22.2629 3.6 3.2 166 0.0S 48 16 73 0.35 2.11 m sx BUD 15127344 iLoc 86
 (description : suspected quarry blast)
 (locality : Tetchea Romania)

Magnitude Err Nsta Author OrigID

m1 2.0 BUC 15109686
 M 2.1 9 BUD 15127344

Sta	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	0.35	290.8	Pg	07:49:00.533	0.4				T__						15127346	FDSN	IR	--	ISC	iLoc	???	???	_	
BORR	0.35	290.8	Pg	07:49:00.533	0.4				T__			0.3			15127347	FDSN	IR	--	ISC	iLoc	???	???	_	
BORR	0.35	290.8	Lg	07:49:07.083	0.7				T__			0.3			15127348	FDSN	IR	--	ISC	iLoc	???	???	_	

DRGR	0.35	119.6	Pg	07:48:59.757	-0.2	T__	---	15127349	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.35	119.6	Lg	07:49:04.396	-1.6	T__	---	15127350	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.35	119.6	Lg	07:49:04.796	-1.2	T__	---	15127351	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.50	68.5	Pg	07:49:03.372	0.6	T__	---	15127352	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.50	68.5	Pg	07:49:03.372	0.6	T__	---	15127353	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	210.9	Pg	07:49:09.302	0.1	T__	---	15127354	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	210.9	Pg	07:49:09.302	0.1	T__	---	15127355	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.81	210.9	Lg	07:49:19.311	-2.4	T__	---	15127356	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	210.7	Pg	07:49:09.451	0.2	T__	---	15127357	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.82	210.7	Lg	07:49:20.184	-1.6	T__	---	15127358	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.95	105.0	Pg	07:49:11.032	-0.2	T__	---	15127359	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	105.0	Pg	07:49:11.032	-0.2	T__	---	15127360	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	105.0	Pg	07:49:11.667	0.4	T__	---	15127361	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.95	105.0	Lg	07:49:24.555	-1.6	T__	---	15127362	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	105.0	Lg	07:49:25.654	-0.5	T__	---	15127363	FDSN	RO	--	BUD	iLoc	BHN	???	_
BMR	1.10	49.5	Pg	07:49:14.070	0.1	T__	---	15127364	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	1.17	157.6	Pn	07:49:16.251	1.1	T__	---	15127365	FDSN	RO	--	BUD	iLoc	BHZ	???	_
TRPA	1.18	9.0	Pg	07:49:14.589	-0.9	T__	---	15127366	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SURR	1.22	184.6	Pg	07:49:16.419	0.3	T__	---	15127367	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.22	184.6	Pg	07:49:16.419	0.3	T__	---	15127368	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.22	184.6	Lg	07:49:33.142	-0.5	T__	---	15127369	FDSN	IR	--	ISC	iLoc	???	???	_
BSZH	1.40	284.4	Pn	07:49:19.475	0.8	T__	---	15127370	FDSN	HU	--	BUD	iLoc	HHZ	???	_
BZS	1.42	198.0	Pg	07:49:19.852	-0.2	T__	---	15127371	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.42	198.0	Sn	07:49:39.863	0.7	T__	---	15127372	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.42	198.6	Pn	07:49:19.491	0.8	T__	---	15127373	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.42	198.6	Pn	07:49:19.491	0.8	T__	---	15127374	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.42	198.6	Sn	07:49:39.164	-0.1	T__	---	15127375	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.50	332.9	Pn	07:49:19.242	-0.9	T__	---	15127376	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.50	332.9	Pn	07:49:19.600	-0.5	T__	---	15127377	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.61	167.0	Pn	07:49:22.343	0.7	T__	---	15127378	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.61	167.0	Pn	07:49:22.343	0.7	T__	---	15127379	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.61	167.0	Pg	07:49:23.279	-0.1	T__	---	15127380	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.61	167.0	Sn	07:49:44.366	-0.2	T__	---	15127381	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.61	167.0	Sn	07:49:45.112	0.5	T__	---	15127382	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.85	144.9	Pn	07:49:26.363	1.2	T__	---	15127383	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.85	144.9	Pn	07:49:26.363	1.2	T__	---	15127384	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.85	144.9	Sn	07:49:49.617	-1.1	T__	---	15127385	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.85	144.9	Pn	07:49:25.807	0.5	T__	---	15127386	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	1.85	144.9	Sn	07:49:51.739	0.9	T__	---	15127387	FDSN	RO	--	BUD	iLoc	BHE	???	_
HERR	2.09	177.0	Pn	07:49:29.434	1.1	T__	---	15127388	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.09	177.0	Pn	07:49:29.434	1.1	T__	---	15127389	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.09	177.0	Sn	07:49:55.947	-0.4	T__	---	15127390	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.11	71.1	Pn	07:49:30.767	1.3	T__	---	15127391	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.11	71.1	Pn	07:49:30.767	1.3	T__	---	15127392	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.11	71.1	Sn	07:49:58.156	0.3	T__	---	15127393	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
2018/08/30 08:31:30.60 1.19 1.09 48.5140 20.8094 10.4 5.0 9 0.0S 9 5 127 0.22 1.22 m kx BUD 15127609 iLoc 205
(description : known quarry blast)
(locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
M 1.3 5 BUD 15127609

Sta	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	262.0	Pg	08:31:34.962	-0.2					T__						15127611	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	262.0	Lg	08:31:39.058	0.4					T__						15127612	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.36	127.1	Pg	08:31:39.064	1.0					T__						15127613	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.36	127.1	Lg	08:31:44.378	0.0					T__						15127614	FDSN	HU	--	BUD	iLoc	HNN	???	_
PSZ	0.85	226.1	Pn	08:31:49.519	0.3					T__						15127615	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.85	226.1	Lg	08:32:02.145	0.2					T__						15127616	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.96	340.3	Pn	08:31:51.307	0.6					T__						15127617	FDSN	PL	--	BUD	iLoc	BHZ	???	_
TRPA	1.22	107.8	Pn	08:31:54.550	0.1					T__						15127618	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.22	107.8	Sn	08:32:10.912	-2.3					T__						15127619	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
2018/08/30 09:23:58.31 1.00 0.56 48.7953 19.4267 5.9 4.0 111 0.0S 16 9 70 0.36 1.58 m kx BUD 15127620 iLoc 117
(locality : Rastoka Slovakia)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.7 7 BUD 15127620

Sta	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	0.36	4.3	Pg	09:24:05.628	0.2					T__						15127622	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.36	4.3	Lg	09:24:10.599	-0.1					T__						15127623	FDSN	SK	--	BUD	iLoc	EHE	???	_
A336A	0.63	207.0	Pg	09:24:11.532	0.5					T__						15127624	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.63	207.0	Lg	09:24:20.309	0.1					T__						15127625	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KECS	0.77	113.6	Pn	09:24:15.036	-0.4					T__						15127626	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.77	113.6	Lg	09:24:25.397	0.3					T__						15127627	FDSN	SK	--	BUD	iLoc	EHN	???	_
A335A	0.80	244.7	Pn	09:24:16.342	0.4					T__						15127628	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.80	244.7	Lg	09:24:24.677	-1.4					T__						15127629	FDSN	Z3	00	BUD	iLoc	HHE	???	_
NIE	0.85	42.7	Pn	09:24:16.637	-0.2					T__						15127630	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.85	42.7	Lg	09:24:26.268	-0.5					T__						15127631	FDSN	PL	--	BUD	iLoc	BHE	???	_
PSZ	0.93	160.3	Pn	09:24:17.673	-0.3					T__						15127632	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.93	160.3	Lg	09:24:31.473	-0.8					T__						15127633	FDSN	GE	--	BUD	iLoc	BHE	???	_
JAVC	1.16	273.8	Pg	09:24:21.870	0.5					T__						15127634	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	1.16	273.8	Sn	09:24:38.828	0.0					T__						15127635	FDSN	CZ	--	BUD	iLoc	BHN	???	_
OJC	1.45	9.5	Lg	09:24:47.251	-0.0					T__						15127636	FDSN	PL	--	BUD	iLoc	BHN	???	_
MORC	1.58	309.2	Sn	09:24:49.257	0.0					T__						15127637	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
2018/08/30 10:26:40.26 1.56 0.30 48.5600 21.4511 10.7 6.5 159 0.0S 5 4 151 0.30 0.84 m sx BUD 15127647 iLoc 216
(locality : Dvorniky-Vcelare Slovakia)
(description : suspected quarry blast)

Magnitude Err Nsta Author OrigID

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

ABAH	0.30	208.1	Lg	10:26:51.594	-0.3	T__	---	15127649	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.65	263.5	Lg	10:27:02.881	-0.0	T__	---	15127650	FDSN	SK	--	BUD	iLoc	EHN	???	_
KOLS	0.66	55.2	Lg	10:27:03.538	-0.3	T__	---	15127651	FDSN	SK	--	BUD	iLoc	HHE	???	_
TRPA	0.84	120.2	Pn	10:26:59.107	0.2	T__	---	15127652	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.84	120.2	Lg	10:27:11.051	0.0	T__	---	15127653	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
2018/08/31	20:06:18.40	1.30		47.0250	19.4110	0.1	0.1		15.0F	8.8	17			2.07	3.61	a	ke BEO	15109768	ISC			360
2018/08/31	20:06:17.67	1.44	1.29	47.0053	19.4426	3.2	2.7	106	7.5F	9.1	70	40	34	0.56	3.47	m	ke BUD	15127654	iLoc			56

Magnitude	Err	Nsta	Author	OrigID
ML	2.3		BEO	15109768
M	2.3	18	BUD	15127654

Sta	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	0.56	329.3	Pg	20:06:33.331	4.1					---						15127656	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BUD	0.56	329.3	Lg	20:06:37.262	-0.8					T__						15127657	FDSN	HU	--	BUD	iLoc	BHE	???	_
BSZH	0.63	62.1	Pn	20:06:32.551	0.9					T__						15127658	FDSN	HU	--	BUD	iLoc	HHZ	???	_
BSZH	0.63	62.1	Sn	20:06:44.545	1.7					T__						15127659	FDSN	HU	--	BUD	iLoc	HHE	???	_
A267A	0.66	265.2	Pg	20:06:31.379	0.5					T__						15127660	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.66	265.2	Lg	20:06:40.487	-0.5					T__						15127661	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.88	294.4	Pn	20:06:35.389	0.3					T__						15127662	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.88	294.4	Lg	20:06:46.183	-2.0					T__						15127663	FDSN	HU	--	BUD	iLoc	HHN	???	_
A270A	0.89	341.2	Pn	20:06:35.287	0.1					T__						15127664	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.89	341.2	Sn	20:06:48.701	-0.1					T__						15127665	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A266A	0.94	239.8	Pg	20:06:36.175	-0.3					T__						15127666	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.94	239.8	Lg	20:06:49.396	-0.8					T__						15127667	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.96	311.7	Pn	20:06:37.364	1.2					T__						15127668	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.96	311.7	Sn	20:06:50.609	-0.0					T__						15127669	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	0.96	215.2	Pg	20:06:35.556	-1.2					T__						15127670	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.96	215.2	Lg	20:06:48.908	-2.0					T__						15127671	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	0.96	18.4	Pg	20:06:37.559	-0.2					T__						15127672	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.96	18.4	Lg	20:06:51.803	-0.1					T__						15127673	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.96	18.4	Pn	20:06:37.035	0.5					T__						15127674	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.96	18.4	Lg	20:06:51.428	-0.5					T__						15127675	FDSN	GE	--	BUD	iLoc	BHE	???	_
MORH	0.96	215.2	Pg	20:06:35.995	-0.8					T__						15127676	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.96	215.2	Lg	20:06:48.637	-2.3					T__						15127677	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.07	264.9	Pg	20:06:38.908	0.0					T__						15127678	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	1.07	264.9	Lg	20:06:52.911	-1.3					T__						15127679	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	1.12	292.9	Pg	20:06:39.544	-0.4					T__						15127680	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	1.12	292.9	Sn	20:06:54.518	-0.2					T__						15127681	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	1.25	324.2	Lg	20:06:59.286	-0.7					T__						15127682	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A336A	1.26	346.4	Pg	20:06:42.237	-0.8					T__						15127683	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.26	346.4	Lg	20:07:00.287	-0.3					T__						15127684	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A265A	1.27	243.5	Pg	20:06:42.497	-0.6					T__						15127685	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	1.27	243.5	Sn	20:06:59.521	1.0					T__						15127686	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	1.30	225.8	Pn	20:06:41.874	0.8					T__						15127687	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.31	277.9	Pg	20:06:43.547	-0.1					T__						15127688	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.31	277.9	Sn	20:06:59.660	0.2					T__						15127689	FDSN	HU	--	BUD	iLoc	BHN	???	_
A263A	1.51	256.8	Sn	20:07:05.568	1.1					T__						15127690	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	1.54	344.9	Pn	20:06:46.000	1.5					T__						15127691	FDSN	SK	--	BUD	iLoc	HHZ	???	_

VYHS	1.54	344.9	Sn	20:07:05.552	0.6	T__	---	15127692	FDSN	SK	--	BUD	iLoc	HHN	???	_
A273A	1.57	226.5	Pg	20:06:47.156	-1.5	T__	---	15127693	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	1.57	226.5	Sn	20:07:08.291	2.6	T__	---	15127694	FDSN	Z3	--	BUD	iLoc	HHE	???	_
A261A	1.57	268.9	Lg	20:07:09.280	-1.1	T__	---	15127695	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	1.62	333.0	Pn	20:06:47.071	1.5	T__	---	15127696	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.62	333.0	Sn	20:07:05.567	-1.2	T__	---	15127697	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SIRR	1.70	115.0	Pn	20:06:48.272	1.7	T__	---	15127698	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.70	115.0	Pn	20:06:47.654	1.0	T__	---	15127699	FDSN	RO	--	BUD	iLoc	BHZ	???	_
ABAH	1.77	42.6	Pg	20:06:50.026	-3.3	T__	---	15127700	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.77	42.6	Sn	20:07:13.104	1.9	T__	---	15127701	FDSN	HU	--	BUD	iLoc	HHE	???	_
BZS	2.05	131.9	Sn	20:07:01.935	-15.2	T__	---	15127702	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	2.06	131.5	Pn	20:06:53.382	1.9	T__	---	15127703	FDSN	RO	--	BUD	iLoc	BHZ	???	_
JAVC	2.20	327.9	Pn	20:06:57.000	3.0	T__	---	15127704	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	2.24	123.0	Pn	20:06:55.863	1.9	T__	---	15127705	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	2.25	94.3	Pn	20:06:56.281	1.5	T__	---	15127706	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	2.25	94.3	Pn	20:06:55.900	1.1	T__	---	15127707	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	2.25	94.3	Sn	20:07:22.600	-0.5	T__	---	15127708	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	2.43	161.7	Pn	20:06:58.100	1.3	T__	---	15127709	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	2.54	96.1	Pn	20:07:00.448	1.4	T__	---	15127710	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.60	292.1	Pn	20:06:59.711	0.4	T__	---	15127711	FDSN	OE	--	BUD	iLoc	BHZ	???	_
MDVR	2.73	143.7	Pn	20:07:02.518	1.3	T__	---	15127712	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	2.73	143.7	Pg	20:07:02.700	-7.9	T__	---	15127713	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	2.82	123.6	Pn	20:07:03.990	1.5	T__	---	15127714	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	2.86	166.0	Pn	20:07:04.000	1.2	T__	---	15127715	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.90	316.3	Pn	20:07:04.500	1.1	T__	---	15127716	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.90	316.3	Pn	20:07:04.602	1.2	T__	---	15127717	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
DIVS	2.93	172.2	Pn	20:07:05.000	1.0	T__	---	15127718	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	2.93	172.2	Lg	20:07:51.900	-1.6	T__	---	15127719	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.97	134.6	Pn	20:07:06.089	1.6	T__	---	15127720	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.99	321.4	Pn	20:07:05.900	1.3	T__	---	15127721	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.99	321.4	Sn	20:07:39.400	-0.6	T__	---	15127722	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	3.03	148.1	Pn	20:07:05.200	-0.1	T__	---	15127723	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	3.14	180.5	Pn	20:07:08.100	1.2	T__	---	15127724	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	3.14	180.5	Lg	20:07:59.000	-0.9	T__	---	15127725	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	3.24	163.5	Pn	20:07:09.700	1.6	T__	---	15127726	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	3.24	163.5	Lg	20:08:02.600	0.1	T__	---	15127727	FDSN	IR	--	ISC	iLoc	???	???	_
IVAS	3.47	171.4	Pn	20:07:12.300	1.0	T__	---	15127728	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
2018/09/01	08:55:24.82	1.51	0.74	46.1258	18.3071	12.7	5.0	152	0.0S	6	3	173	0.15	0.76	m	kx	BUD	15127744	iLoc			309
2018/09/01	08:55:24.39f	0.90	0.90	46.1765	18.2926f				0.0S	6		204	0.16	0.80	m	kx	BUD_GT	15137130	BUD			326

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

Magnitude	Err	Nsta	Author	OrigID
ML	0.8	0.6	3 BUD	15127744
ML	0.8	0.6	3 BUD	15137130

Sta	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	08:55:28.538	0.3					T__		12.5		---	MLv	15138410	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_

KOVH	0.16	236.7	Lg	08:55:31.297	-0.0				T__						15138411	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	0.25	80.7	Pg	08:55:30.597	0.7				T__	2.6			MLv		15138412	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	08:55:34.511	0.3				T__						15138413	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pg	08:55:40.965	0.3				T__	3.2			MLv		15138414	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	08:55:50.947	-2.0				T__						15138415	FDSN	Z3	--	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
2018/09/03	07:58:29.02	1.11	0.92	48.5635	20.7796	8.5	4.7	7	0.0S		13	7	129	0.21	1.29	m	kx	BUD	15127729	iLoc		201
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	5	BUD	15127729

Sta	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	247.8	Pg	07:58:33.774	0.3				T__							15127731	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	247.8	Lg	07:58:36.662	-0.2				T__							15127732	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	247.8	Lg	07:58:37.700	0.8				T__		1.1					15127733	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.41	131.0	Pg	07:58:37.884	0.5				T__							15127734	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	131.0	Lg	07:58:44.077	-0.3				T__							15127735	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.88	222.8	Pg	07:58:47.558	0.1				T__							15127736	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	222.8	Lg	07:59:00.426	-0.6				T__							15127737	FDSN	GE	--	BUD	iLoc	BHZ	???	_
NIE	0.91	340.4	Pn	07:58:49.485	1.1				T__							15127738	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.91	340.4	Sn	07:59:02.423	-1.3				T__							15127739	FDSN	PL	--	BUD	iLoc	BHN	???	_
A336A	1.23	255.1	Sn	07:59:11.177	0.0				T__							15127740	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.25	109.6	Sn	07:59:11.066	-1.4				T__							15127741	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.29	267.6	Pg	07:58:54.404	-0.4				T__							15127742	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	267.6	Sn	07:59:11.690	-1.3				T__							15127743	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
2018/09/03	09:09:49.80	1.51	0.79	47.9539	20.0478	11.0	5.6	156	0.0S		9	6	184	0.11	1.26	m	kx	BUD	15127765	iLoc		225
2018/09/03	09:09:49.06f		0.88	47.8987	20.0893f				0.0S		9		216	0.13	1.32	m	kx	BUD_GT	15135854	BUD		254
(description : known quarry blast)																						
(locality : Recsk Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID	
ML	2.1	0.2	3	BUD	15127765
ML	2.1	0.2	3	BUD	15135854

Sta	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	09:09:52.700	0.2				T__			300.8				15138416	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.13	278.6	Lg	09:09:55.606	0.3				T__							15138417	FDSN	GE	--	BUD	BUD	BHN	???	_
KECS	0.64	24.2	Lg	09:10:12.219	0.5				T__							15138418	FDSN	SK	--	BUD	BUD	EHE	???	_
A336A	0.80	295.0	Pn	09:10:06.771	0.2				T__		19.6					15138419	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A336A	0.80	295.0	Lg	09:10:15.325	-1.9				T__							15138420	FDSN	Z3	00	BUD	BUD	HH3	???	_
ABAH	0.87	62.3	Lg	09:10:20.306	-0.3				T__							15138421	FDSN	HU	--	BUD	BUD	HHE	???	_
VYHS	1.03	305.9	Pn	09:10:10.225	0.4				T__		1.3					15138422	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_

VYHS	1.03	305.9	Lg	09:10:23.215	-1.6	T__								15138423	FDSN	SK	--	BUD	BUD	HHN	???	_
LANS	1.32	342.0	Sn	09:10:33.285	-0.5	T__								15138424	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
2018/09/03	10:00:28.54	1.38	0.68	48.1225	18.9755	5.2	4.6	132	0.0S		12	9	66	0.11	1.14	m	kx	BUD	15127789	iLoc		127
(description : known quarry blast)																						
(locality : Horne-Turovce Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.6	3 BUD	15127789

Sta	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	8.1	Pg	10:00:31.521	0.5					T__	96.2	249.1		---	MLv	2.0	15127791	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.11	8.1	Lg	10:00:33.362	0.4					T__				---		15127792	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
(Station ML : 2.0 1																									
A270A	0.28	174.0	Lg	10:00:39.008	-0.1					T__				---		15127793	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
VYHS	0.38	346.0	Pg	10:00:37.028	0.6					T__	3.4	1.2		---	MLv	0.4	15127794	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.38	346.0	Lg	10:00:40.975	-1.3					T__				---		15127795	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.4 1																									
A338A	0.43	255.8	Pg	10:00:37.739	0.3					T__	2.0	13.5		---	MLv	1.6	15127796	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A338A	0.43	255.8	Lg	10:00:43.631	-0.4					T__				---		15127797	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 1.6 1																									
A335A	0.54	307.5	Lg	10:00:47.427	-0.1					T__				---		15127798	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
SR0	0.54	235.4	Lg	10:00:47.622	-0.2					T__				---		15127799	FDSN	SK	--	BUD	iLoc	EHE	???	_	
PSZ	0.65	108.0	Lg	10:00:52.227	-0.6					T__				---		15127800	FDSN	GE	--	BUD	iLoc	BHE	???	_	
KECS	1.07	69.7	Lg	10:01:05.106	-0.7					T__				---		15127801	FDSN	SK	--	BUD	iLoc	EHE	???	_	
JAVC	1.14	310.8	Lg	10:01:07.045	-0.8					T__				---		15127802	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	
2018/09/03	11:19:19.62	2.16	0.80	47.9462	19.9892	18.3	7.1	139	0.0S		5	3	214	0.07	0.95	m	kx	BUD	15127816	iLoc			300
2018/09/03	11:19:18.10f		1.07	47.8987	20.0893f				0.0S		5		254	0.13	1.03	m	kx	BUD_GT	15135861	BUD			332
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Recsk Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
MLv	1.5	0.4	2 BUD	15135861

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
PSZ	0.13	278.6	Pg	11:19:21.551	0.0					T__		172.7		---	MLv	15138425	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.13	278.6	Lg	11:19:23.222	-1.1					T__				---		15138426	FDSN	GE	--	BUD	BUD	BHE	???	_
KECS	0.64	24.2	Lg	11:19:41.348	0.6					T__				---		15138427	FDSN	SK	--	BUD	BUD	EHE	???	_
VYHS	1.03	305.9	Pn	11:19:39.929	1.1					T__		1.3		---	MLv	15138428	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	1.03	305.9	Lg	11:19:52.145	-1.8					T__				---		15138429	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
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2018/09/04 08:12:03.39 1.08 0.83 48.6131 20.7344 7.9 4.1 172 0.0S 17 8 90 0.21 1.72 m kx BUD 15127831 iLoc 151
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.4 6 BUD 15127831

Sta	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	231.9	Pg	08:12:08.000	0.2					T__		0.6		---		15127833	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.21	231.9	Pg	08:12:08.128	0.3					T__				---		15127834	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.21	231.9	Lg	08:12:10.598	-0.6					T__				---		15127835	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	231.9	Lg	08:12:11.600	0.4					T__		0.6		---		15127836	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.46	133.1	Pg	08:12:13.141	0.4					T__				---		15127837	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.46	133.1	Pg	08:12:13.700	0.9					T__		0.1		---		15127838	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.46	133.1	Lg	08:12:20.471	-0.2					T__				---		15127839	FDSN	HU	--	BUD	iLoc	HHN	???	_
NIE	0.85	341.2	Pn	08:12:22.112	0.1					T__				---		15127840	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.86	340.6	Lg	08:12:23.600	-8.3					---				---		15127841	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.89	219.2	Pg	08:12:22.236	0.1					T__				---		15127842	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	219.2	Lg	08:12:35.751	-0.3					T__				---		15127843	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.07	72.0	Lg	08:12:40.087	-0.8					T__				---		15127844	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.22	252.4	Pg	08:12:29.051	1.3					T__				---		15127845	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.22	252.4	Lg	08:12:46.177	0.7					T__				---		15127846	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.27	265.3	Sn	08:12:44.400	-2.2					T__		0.0		---		15127847	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.27	265.3	Pg	08:12:28.702	0.1					T__				---		15127848	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	265.3	Sn	08:12:46.703	0.1					T__				---		15127849	FDSN	SK	--	BUD	iLoc	HHN	???	_
OJC	1.72	339.5	Sn	08:12:59.202	-0.0					T__				---		15127850	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
 2018/09/05 01:25:35.91 0.94 1.29 48.4788 22.2634 4.9 3.8 40 10.0A 26 17 82 0.09 2.61 m ke BUD 15127939 iLoc 89

Magnitude Err Nsta Author OrigID
 M 2.2 9 BUD 15127939

Sta	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	0.09	58.9	Pg	01:25:38.127	-0.4					T__				---		15127941	FDSN	UA	--	BUD	iLoc	MHZ	???	_
UZH	0.15	7.3	Pg	01:25:36.622	-2.8					T__				---		15127942	FDSN	UA	--	BUD	iLoc	BHZ	???	_
UZH	0.15	7.3	Lg	01:25:39.635	-2.9					T__				---		15127943	FDSN	UA	--	BUD	iLoc	BHN	???	_
MUKU	0.28	94.9	Pg	01:25:42.135	0.4					T__				---		15127944	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.39	152.1	Pg	01:25:44.102	0.3					T__				---		15127945	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.39	152.1	Lg	01:25:50.023	-0.7					T__				---		15127946	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOLS	0.45	0.8	Pg	01:25:46.486	1.7					T__				---		15127947	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.45	0.8	Lg	01:25:54.611	2.3					T__				---		15127948	FDSN	SK	--	BUD	iLoc	HHN	???	_
BRIU	0.52	105.3	Pg	01:25:46.719	0.6					T__				---		15127949	FDSN	UA	--	BUD	iLoc	MHZ	???	_
ABAH	0.71	255.4	Pg	01:25:49.965	0.2					T__				---		15127950	FDSN	HU	--	BUD	iLoc	HHZ	???	_
LTVH	1.12	192.7	Pg	01:25:57.711	-0.1					T__				---		15127951	FDSN	HU	--	BUD	iLoc	HHZ	???	_
LTVH	1.12	192.7	Sn	01:26:14.022	0.1					T__				---		15127952	FDSN	HU	--	BUD	iLoc	HHN	???	_
BMR	1.16	133.8	Pn	01:25:57.922	-0.1					T__				---		15127953	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BMR	1.16	133.8	Sn	01:26:13.381	-1.9					T__				---		15127954	FDSN	RO	--	BUD	iLoc	BHN	???	_
KECS	1.18	270.9	Pg	01:25:58.521	-0.0					T__				---		15127955	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	1.18	270.9	Sn	01:26:14.403	-0.8					T__				---		15127956	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	1.68	251.4	Pn	01:26:06.669	1.5					T__				---		15127957	FDSN	GE	--	BUD	iLoc	BHZ	???	_

PSZ	1.68	251.4	Sn	01:26:26.748	-1.4	T__	---	15127958	FDSN	GE	--	BUD	iLoc	BHN	???	_
DRGR	1.72	169.7	Pn	01:26:05.855	0.1	T__	---	15127959	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.72	169.7	Sn	01:26:29.092	0.2	T__	---	15127960	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	2.14	111.9	Pn	01:26:13.788	1.6	T__	---	15127961	FDSN	RO	--	BUD	iLoc	BHZ	???	_
A336A	2.19	264.8	Pn	01:26:11.900	-0.1	T__	---	15127962	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	2.19	264.8	Sn	01:26:40.675	0.1	T__	---	15127963	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	2.28	271.7	Pn	01:26:13.799	0.4	T__	---	15127964	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A332A	2.54	278.8	Sn	01:26:50.053	0.4	T__	---	15127965	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	2.61	270.8	Pn	01:26:18.789	0.7	T__	---	15127966	FDSN	Z3	00	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
 2018/09/05 09:08:45.57 1.80 1.05 48.6153 20.7842 15.0 4.9 7 0.0S 12 6 206 0.24 1.30 m kx BUD 15127851 iLoc 230
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15127851

Sta	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	236.4	Pg	09:08:51.130	0.6					T__						15127853	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.24	236.4	Lg	09:08:53.719	-0.6					T__						15127854	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.24	236.4	Lg	09:08:55.100	0.8					T__		2.1				15127855	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.44	136.3	Pg	09:08:56.087	1.5					T__						15127856	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	136.3	Lg	09:09:01.217	-0.9					T__						15127857	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.92	220.8	Sn	09:09:19.200	-1.2					T__		0.0				15127858	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.92	220.8	Pn	09:09:05.249	0.2					T__						15127859	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.92	220.8	Lg	09:09:18.858	-0.2					T__						15127860	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.25	252.8	Lg	09:09:28.565	-0.2					T__						15127861	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.27	111.9	Sn	09:09:27.720	-1.7					T__						15127862	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.30	265.4	Pg	09:09:12.026	0.6					T__						15127863	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	265.4	Sn	09:09:29.049	-0.6					T__						15127864	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
 2018/09/05 09:37:01.43 1.52 0.91 46.1596 18.2814 12.1 4.8 156 0.0S 7 4 166 0.14 0.78 m kx BUD 15127865 iLoc 292
 2018/09/05 09:37:01.23f 0.80 46.1765 18.2926f 0.0S 7 171 0.16 0.80 m kx BUD_GT 15137133 BUD 293
 (locality : Komló-II Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 ML 0.8 0.7 3 BUD 15127865
 ML 0.8 0.7 3 BUD 15137133

Sta	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	09:37:05.794	0.7					T__		12.2			MLv	15138430	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:37:08.208	0.0					T__						15138431	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	09:37:07.550	0.8					T__		2.1			MLv	15138432	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:37:11.358	0.3					T__						15138433	FDSN	HU	--	BUD	BUD	BHN	???	_

A264A	0.70	269.0	Lg	09:37:25.129	-1.4	T__									15138434	FDSN	Z3	00	BUD	BUD	HHE	???	_
A252A	0.80	202.9	Pg	09:37:17.352	-0.2	T__					3.2	---	MLv		15138435	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	09:37:28.727	-1.1	T__						---			15138436	FDSN	Z3	--	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
2018/09/05	11:28:03.71	1.46	0.98	46.1331	21.6258	13.2	4.5	99	0.0S		9	4	192	0.13	1.09	m	sx	BUD	15127887	iLoc		238
(locality : Paulis Romania)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.4	4 BUD	15127887

Sta	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	11.1	Pg	11:28:07.001	-0.1					T__	24.3	23.2		---	MLv	1.0	15127889	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.13	11.1	Lg	11:28:10.036	0.2					T__				---		15127890	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.0 1)																									
BZS	0.51	178.9	Pg	11:28:13.887	-0.1					T__	1.7	2.0		---	MLv	1.0	15127891	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.51	178.9	Lg	11:28:20.450	-1.2					T__				---		15127892	FDSN	RO	--	BUD	iLoc	BHN	???	_	
BZS	0.52	180.7	Lg	11:28:20.800	-0.9					T__		0.0		---		15127893	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.0 1)																									
DRGR	1.00	48.3	Pg	11:28:23.482	-0.3					T__	1.7	3.9		---	MLv	1.7	15127894	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
DRGR	1.00	48.3	Lg	11:28:38.446	-1.6					T__				---		15127895	FDSN	RO	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1)																									
GZR	1.09	132.2	Pn	11:28:26.251	0.9					T__	2.2	2.6		---	MLv	1.5	15127896	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.09	132.2	Lg	11:28:40.636	0.4					T__				---		15127897	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
2018/09/05	13:13:54.14	1.14	1.13	48.5072	18.7451	8.9	4.0	22	0.0S		11	7	133	0.06	1.50	m	kx	BUD	15127916	iLoc		165
(locality : Bzenica Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5		4 BUD	15127916

Sta	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	102.3	Pg	13:13:56.146	0.5					T__				---		15127918	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.06	102.3	Lg	13:13:57.773	1.0					T__				---		15127919	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A335A	0.28	257.6	Pg	13:14:00.345	0.4					T__				---		15127920	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.28	257.6	Lg	13:14:04.512	0.2					T__				---		15127921	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.32	148.2	Lg	13:14:06.664	1.0					T__				---		15127922	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.79	296.7	Lg	13:14:21.524	-0.4					T__				---		15127923	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.79	296.7	Pn	13:14:12.100	0.3					T__				---		15127924	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.97	127.0	Pn	13:14:14.288	0.1					T__				---		15127925	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.97	127.0	Lg	13:14:26.994	-2.5					T__				---		15127926	FDSN	GE	--	BUD	iLoc	BHE	???	_
BUD	1.04	169.5	Pn	13:14:14.288	-0.7					T__				---		15127927	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORC	1.50	328.6	Lg	13:14:41.536	-1.0					T__				---		15127928	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
2018/09/06	07:35:25.62	1.22	0.76	46.2402	18.4587	6.2	5.3	174	0.0S	8	4	125	0.13	0.91	m	kx	BUD	15127929	iLoc			233
2018/09/06	07:35:25.65f	0.88	0.88	46.2651	18.4494f				0.0S	8		136	0.14	0.93	m	kx	BUD_GT	15137136	BUD			235

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

Magnitude	Err	Nsta	Author	OrigID
M	1.3	4	BUD	15137136

Sta	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	0.14	110.0	Pg	07:35:29.049	-0.1					T__						15138437	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.14	110.0	Lg	07:35:31.658	-0.3					T__						15138438	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.29	333.9	Pg	07:35:32.133	0.1					T__						15138441	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A266A	0.29	333.9	Lg	07:35:38.296	1.2					T__						15138442	FDSN	Z3	00	BUD	BUD	HHE	???	_
KOVH	0.30	234.1	Pg	07:35:32.593	0.4					T__						15138439	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.30	234.1	Lg	07:35:37.449	0.1					T__						15138440	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.93	207.1	Pn	07:35:44.894	-0.3					T__						15138443	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.93	207.1	Lg	07:35:56.870	-2.1					T__						15138444	FDSN	Z3	--	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
2018/09/06	08:18:14.58	1.68	1.09	48.0513	20.6855	11.1	5.6	153	0.0S	6	3	199	0.44	0.55	m	kx	BUD	15127967	iLoc			286
2018/09/06	08:18:14.79f	0.89	0.89	48.0750	20.6990f				0.0S	6		195	0.42	0.56	m	kx	BUD_GT	15137139	BUD			282

(description : known quarry blast)
(locality : Miskolc-Mexikóvölgy Hungary)
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	3 BUD	15127967
ML	1.6	0.3	3 BUD	15137139

Sta	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	0.42	58.4	Pg	08:18:24.380	0.9					T__		6.5			MLv	15138445	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.42	58.4	Lg	08:18:30.265	-0.6					T__						15138446	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.43	340.8	Pg	08:18:24.206	0.6					T__		21.3			MLv	15138447	FDSN	SK	--	BUD	BUD	EHN	EHZ	_
KECS	0.43	340.8	Lg	08:18:30.438	0.1					T__						15138448	FDSN	SK	--	BUD	BUD	EHN	???	_
PSZ	0.56	254.1	Pg	08:18:27.076	0.1					T__		5.9			MLv	15138449	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.56	254.1	Lg	08:18:34.242	-1.8					T__						15138450	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
2018/09/06	08:31:23.05	1.45	0.51	48.4448	20.7253	8.6	6.5	19	0.0S	7	4	128	0.16	1.01	m	kx	BUD	15127988	iLoc			242

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	3 BUD	15127988

Sta	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	283.6	Pg	08:31:26.363	-0.2					T__	19.0	70.3		---	MLv	1.6	15127990	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.16	283.6	Lg	08:31:28.755	-0.6					T__				---			15127991	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KECS	0.16	283.6	Lg	08:31:29.900	0.6					T__		0.7		---			15127992	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.6 1																										
ABAH	0.37	113.3	Lg	08:31:37.090	-0.2					T__				---			15127993	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.77	226.9	Pg	08:31:39.649	0.4					T__	2.1	2.9		---	MLv	1.4	15127994	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.77	226.9	Sn	08:31:53.721	-0.3					T__				---			15127995	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.4 1																										
NIE	1.01	344.6	Pg	08:31:42.319	0.3					T__	2.0	1.2		---	MLv	1.1	15127996	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
2018/09/06	15:39:36.49	1.00	1.00	46.1362	16.5733	5.8	3.8	4	15.OA		18	10	114	0.08	1.44	m	ke BUD	15128036	iLoc			149

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15128036

Sta	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	0.08	266.5	Pg	15:39:44.440	4.4					---				---			15128038	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.08	266.5	Lg	15:39:45.930	3.2					T__				---			15128039	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.35	273.3	Pg	15:39:44.010	-0.0					T__				---			15128040	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.35	273.3	Lg	15:39:48.840	-0.8					T__				---			15128041	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.48	241.7	Pg	15:39:46.524	0.2					T__				---			15128042	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.48	241.7	Lg	15:39:53.359	-0.2					T__				---			15128043	FDSN	CR	--	BUD	iLoc	BHE	???	_
A263A	0.72	45.2	Pg	15:39:51.199	0.1					T__				---			15128044	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.72	45.2	Lg	15:40:01.977	0.5					T__				---			15128045	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A021A	0.81	320.5	Sn	15:40:04.328	-0.6					T__				---			15128046	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A265A	0.90	70.8	Sn	15:40:08.108	0.7					T__				---			15128047	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A010A	1.00	340.2	Lg	15:40:10.641	0.9					T__				---			15128048	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	1.06	92.0	Pn	15:39:55.932	-0.3					T__				---			15128049	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.06	92.0	Sn	15:40:10.527	-1.0					T__				---			15128050	FDSN	HU	--	BUD	iLoc	BHE	???	_
A252A	1.13	127.7	Pg	15:39:59.085	-0.1					T__				---			15128051	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.13	127.7	Lg	15:40:14.329	-0.1					T__				---			15128052	FDSN	Z3	--	BUD	iLoc	BHN	???	_
ARSA	1.33	327.4	Pg	15:40:01.473	-0.7					T__				---			15128053	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.33	327.4	Sn	15:40:17.376	-0.3					T__				---			15128054	FDSN	OE	--	BUD	iLoc	BHN	???	_
MORH	1.44	86.1	Pg	15:40:05.382	0.6					T__				---			15128055	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.44	86.1	Lg	15:40:24.617	-0.2					T__				---			15128056	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
2018/09/07	08:09:21.03	4.97	0.46	48.6199	20.7403	27.6	12.4	71	0.0S		8	3	314	0.22	1.27	m	kx BUD	15128011	iLoc			348

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.9	3 BUD	15128011

Sta	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	231.1	Pg	08:09:25.787	0.2					T__	44.1	188.2		---	MLv	2.2	15128013	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.22	231.1	Lg	08:09:28.749	-0.3					T__				---			15128014	FDSN	SK	--	BUD	iLoc	EHN	???	_

KECS	0.22	231.1	Lg	08:09:29.700	0.6	T__		1.9	---		15128015	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.2 1																				
PSZ	0.90	219.2	Lg	08:09:53.900	-0.1	T__		0.0	---		15128016	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	0.90	219.2	Pg	08:09:39.782	-0.2	T__	2.6	4.0	---	MLv	1.6	15128017	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.90	219.2	Lg	08:09:53.764	-0.2	T__			---		15128018	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.6 1																				
VYHS	1.27	265.0	Pg	08:09:46.596	0.2	T__	1.6	0.5	---	MLv	0.9	15128019	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.27	265.0	Lg	08:10:04.377	-0.6	T__			---		15128020	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
2018/09/07	10:59:31.18	2.31	0.54	46.1133	18.0476	18.3	5.6	142	0.0S	7	4	216	0.04	0.69	m	kx	BUD	15128072	iLoc			265
2018/09/07	10:59:30.92f		0.51	46.1204	18.0243f				0.0S	7		221	0.06	0.70	m	kx	BUD_GT	15137145	BUD			265
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Bükkösd-I Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	0.5	4	BUD	15137145

Sta	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	121.4	Pg	10:59:33.142	0.3					T__						15138451	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.06	121.4	Lg	10:59:34.111	-0.4					T__						15138452	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	215.5	Pg	10:59:37.032	0.6					T__						15138453	FDSN	Z3	--	BUD	BUD	HHZ	???	_
MORH	0.44	77.3	Pg	10:59:40.378	0.2					T__						15138454	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.44	77.3	Lg	10:59:46.610	-0.8					T__						15138455	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.70	190.3	Pg	10:59:45.598	0.5					T__						15138456	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.70	190.3	Lg	10:59:55.213	-0.6					T__						15138457	FDSN	Z3	--	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	
2018/09/08	23:32:21.13	1.41	0.73	45.6210	18.0863	8.6	4.2	114	2.1F	12.0	15	9	184	0.25	1.15	m	ke	BUD	15128147	iLoc			210

Magnitude	Err	Nsta	Author	OrigID
M	1.6	6	BUD	15128147

Sta	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	0.25	222.2	Pg	23:32:26.525	0.1					T__						15128149	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.25	222.2	Lg	23:32:29.658	-0.8					T__						15128150	FDSN	Z3	--	BUD	iLoc	BHE	???	_
A273A	0.35	327.5	Lg	23:32:33.112	-0.7					T__						15128151	FDSN	Z3	--	BUD	iLoc	HHE	???	_
KOVH	0.47	1.2	Pg	23:32:30.594	-0.1					T__						15128152	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.47	1.2	Lg	23:32:37.168	-0.8					T__						15128153	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.71	33.0	Pg	23:32:35.605	0.3					T__						15128154	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.71	33.0	Lg	23:32:45.489	-0.5					T__						15128155	FDSN	HU	--	BUD	iLoc	BHN	???	_
A264A	0.77	314.3	Pg	23:32:37.319	0.6					T__						15128156	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.77	314.3	Lg	23:32:47.952	-0.4					T__						15128157	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A265A	0.83	345.9	Lg	23:32:50.217	0.1					T__						15128158	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A266A	0.91	7.8	Pg	23:32:39.129	-0.2					T__						15128159	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.91	7.8	Lg	23:32:53.096	0.2					T__						15128160	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BLY	1.05	217.8	Pn	23:32:43.141	1.1					T__						15128161	FDSN	MN	--	BUD	iLoc	BHZ	???	_

BLY	1.05	217.8	Sn	23:32:56.834	-1.3	T__	---	15128162	FDSN	MN	--	BUD	iLoc	BHN	???	_
A263A	1.15	332.5	Sn	23:33:00.220	-0.5	T__	---	15128163	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
2018/09/10	01:10:34.42	0.72	0.57	46.0790	17.0749	4.6	3.6	130	14.2F	2.5	21	6	1.53	2.75	a	ke	VIE	15109872	ISC			360
2018/09/10	01:10:33.33	1.03	0.68	45.9987	17.1579	3.3	2.5	163	11.2F	5.9	63	33	42	0.19	2.84	m	ke	BUD	15128081	iLoc		79

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15109872
m1	1.6		VIE	15109872
M	2.2	15	BUD	15128081

Sta	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	29.6	Pg	01:10:37.861	0.1					T__						15128083	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.19	29.6	Lg	01:10:41.438	0.3					T__						15128084	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A273A	0.47	99.9	Pg	01:10:42.798	-0.2					T__						15128085	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.47	99.9	Lg	01:10:49.783	-0.2					T__						15128086	FDSN	Z3	--	BUD	iLoc	HHN	???	_
MOSL	0.48	216.4	Pg	01:10:42.790	-0.4					T__						15128087	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.48	216.4	Lg	01:10:50.610	-0.0					T__						15128088	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.51	285.4	Pg	01:10:43.650	-0.2					T__						15128089	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.51	285.4	Lg	01:10:51.040	-0.8					T__						15128090	FDSN	IR	--	ISC	iLoc	???	???	_
A265A	0.61	45.9	Pg	01:10:45.769	-0.1					T__						15128091	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.61	45.9	Lg	01:10:55.358	0.5					T__						15128092	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A263A	0.65	9.6	Pn	01:10:47.754	0.1					T__						15128093	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.65	9.6	Lg	01:10:55.991	-0.1					T__						15128094	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOVH	0.66	81.9	Pg	01:10:45.965	-0.9					T__						15128095	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.66	81.9	Lg	01:10:57.458	0.9					T__						15128096	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.74	139.1	Pg	01:10:47.436	-1.0					T__						15128097	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.74	139.1	Lg	01:10:57.605	-1.3					T__						15128098	FDSN	Z3	--	BUD	iLoc	BHE	???	_
KOGS	0.77	305.8	Pn	01:10:49.560	0.2					T__						15128099	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.77	305.8	Sn	01:11:01.170	-0.8					T__						15128100	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.77	305.8	IAML	01:11:03.290	-99.0					---	46.9	0.15				15128101	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.77	282.0	Pg	01:10:48.860	0.1					T__						15128102	FDSN	IR	--	ISC	iLoc	???	???	_
LOB0	0.77	282.0	Lg	01:11:00.040	0.2					T__						15128103	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.84	264.1	Pg	01:10:49.948	0.1					T__						15128104	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.84	264.1	Lg	01:11:01.342	-0.3					T__						15128105	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.84	264.1	Pg	01:10:50.240	0.1					T__						15128106	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.84	264.1	Lg	01:11:01.620	-0.7					T__						15128107	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.84	258.6	Pn	01:10:50.290	-0.0					T__						15128108	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.84	258.6	Lg	01:11:02.230	0.5					T__						15128109	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.84	258.5	Pn	01:10:51.685	1.4					T__						15128110	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.84	258.5	Sn	01:11:03.730	-0.0					T__						15128111	FDSN	CR	--	BUD	iLoc	BHN	???	_
A266A	0.93	55.1	Pn	01:10:51.369	-0.0					T__						15128112	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.93	55.1	Lg	01:11:05.188	0.1					T__						15128113	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A261A	0.95	359.6	Pg	01:10:52.635	0.3					T__						15128114	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.95	359.6	Sn	01:11:06.766	0.5					T__						15128115	FDSN	Z3	00	BUD	iLoc	HHE	???	_
TIH	1.03	29.0	Pn	01:10:53.678	0.9					T__						15128116	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MORH	1.06	77.6	Pn	01:10:52.651	-0.4					T__						15128117	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.06	77.6	Sn	01:11:08.892	0.4					T__						15128118	FDSN	HU	--	BUD	iLoc	BHE	???	_
GCIS	1.08	263.5	Pg	01:10:55.400	1.1					T__						15128119	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	1.08	263.5	Sn	01:11:09.520	-0.1					T__						15128120	FDSN	IR	--	ISC	iLoc	???	???	_

A021A	1.19	309.9	Pg	01:10:55.705	-0.7	T__									15128121	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	1.19	309.9	Lg	01:11:11.568	-1.0	T__									15128122	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CRES	1.20	262.3	Pg	01:10:57.070	0.4	T__									15128123	FDSN	SL	--	BUD	iLoc	BHZ	???	_
MPLH	1.20	12.5	Pn	01:10:55.760	0.6	T__									15128124	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BLY	1.21	179.2	Pg	01:10:57.773	0.8	T__									15128125	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.21	179.2	Lg	01:11:14.402	1.3	T__									15128126	FDSN	MN	--	BUD	iLoc	BHE	???	_
GROS	1.24	292.5	Pn	01:10:56.110	0.2	T__									15128127	FDSN	IR	--	ISC	iLoc	???	???	_
A010A	1.31	325.7	Sn	01:11:13.862	-0.7	T__									15128128	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	1.32	43.5	Lg	01:11:16.962	-0.3	T__									15128129	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	1.42	4.8	Pg	01:11:01.929	0.6	T__									15128130	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	1.42	4.8	Lg	01:11:21.890	1.2	T__									15128131	FDSN	HU	--	BUD	iLoc	HHE	???	_
A268A	1.53	19.9	Sn	01:11:21.043	0.8	T__									15128132	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	1.56	28.7	Pg	01:11:02.997	-0.9	T__									15128133	FDSN	HU	--	BUD	iLoc	HHN	???	_
SOKA	1.62	295.5	Pn	01:11:01.572	0.4	T__			0.2	0.18					15128134	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.62	295.5	Sn	01:11:22.105	-0.2	T__			0.3	0.18					15128135	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.68	318.6	Pn	01:11:01.988	0.1	T__			1.1	0.36					15128136	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.68	318.6	Sn	01:11:23.216	-0.5	T__			1.1	0.36					15128137	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.80	341.1	Pn	01:11:04.543	0.8	T__			0.3	0.14					15128138	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.80	341.1	Sn	01:11:25.137	-2.0	T__			0.6	0.24					15128139	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.88	286.7	Pn	01:11:05.401	0.6	T__			0.2	0.30					15128140	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.88	286.7	Sn	01:11:28.602	-0.3	T__			1.1	0.34					15128141	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.88	286.7	Pg	01:11:08.196	-0.9	T__									15128142	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.88	286.7	Lg	01:11:33.546	-0.7	T__									15128143	FDSN	OE	--	BUD	iLoc	BHN	???	_
MOA	2.71	314.1	Pn	01:11:16.175	-0.1	T__			0.3	0.14					15128144	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.71	314.1	Sn	01:11:49.797	0.5	T__			0.3	0.16					15128145	FDSN	IR	--	ISC	iLoc	???	???	_
KBA	2.84	293.7	Lg	01:12:05.344	-0.1	T__			0.1	0.16					15128146	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
2018/09/10	03:46:05.11	0.74	0.27	45.6571	16.5343	4.3	4.0	139	5.6F	2.6	18	6	1.46	1.74	a	ke	VIE	15109942	ISC			360
2018/09/10	03:46:03.75	1.08	0.65	45.5691	16.5688	4.5	2.9	1	9.5F	6.6	43	24	73	0.14	1.83	m	ke	BUD	15128164	iLoc		126

Magnitude	Err	Nsta	Author	OrigID
m1	1.7		VIE	15109942
M	1.8	7	BUD	15128164

Sta	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	0.14	71.1	Pg	03:46:07.590	0.3					T__						15128166	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.14	71.1	Lg	03:46:10.240	0.2					T__						15128167	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.48	302.5	Lg	03:46:20.212	-0.6					T__						15128168	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.54	309.0	Pg	03:46:14.100	-0.7					T__						15128169	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.54	309.0	Pg	03:46:14.244	-0.3					T__						15128170	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.54	309.0	Lg	03:46:21.063	-1.7					T__						15128171	FDSN	CR	--	BUD	iLoc	BHN	???	_
GCIS	0.72	294.7	Pg	03:46:17.760	-0.2					T__						15128172	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.72	294.7	IAML	03:46:30.430	-99.0					---		6.6	0.14			15128173	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.77	273.8	Pg	03:46:19.520	0.8					T__						15128174	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.77	273.8	Lg	03:46:30.550	0.5					T__						15128175	FDSN	IR	--	ISC	iLoc	???	???	_
A264A	0.78	40.2	Lg	03:46:31.071	0.3					T__						15128176	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CRES	0.82	288.6	Pn	03:46:20.470	-0.3					T__						15128177	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.82	288.6	Lg	03:46:31.993	0.2					T__						15128178	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.82	288.6	Pg	03:46:19.860	0.1					T__						15128179	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.82	288.6	Lg	03:46:31.130	-0.6					T__						15128180	FDSN	IR	--	ISC	iLoc	???	???	_

CRES	0.82	288.6	IAML	03:46:34.000	-99.0	---	---	5.6	0.15	---	15128181	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	0.89	150.8	Pn	03:46:22.329	0.5	T__	---	---	---	---	15128182	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.89	150.8	Sn	03:46:35.766	-0.1	T__	---	---	---	---	15128183	FDSN	MN	--	BUD	iLoc	BHE	???	_
KOGS	0.91	345.9	Pn	03:46:22.410	0.4	T__	---	---	---	---	15128184	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.91	345.9	IAML	03:46:37.860	-99.0	---	---	11.7	0.11	---	15128185	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	0.91	98.0	Pn	03:46:22.128	0.0	T__	---	---	---	---	15128186	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.91	98.0	Lg	03:46:35.016	0.2	T__	---	---	---	---	15128187	FDSN	Z3	--	BUD	iLoc	BHN	???	_
BOJS	0.93	266.4	Pn	03:46:22.050	-0.2	T__	---	---	---	---	15128188	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.93	266.4	IAML	03:46:37.250	-99.0	---	---	7.0	0.23	---	15128189	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.95	293.9	Pn	03:46:22.770	0.2	T__	---	---	---	---	15128190	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.95	293.9	Lg	03:46:35.400	-0.4	T__	---	---	---	---	15128191	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	0.96	224.4	Pg	03:46:21.830	-0.8	T__	---	---	---	---	15128192	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	0.96	224.4	Lg	03:46:35.790	-0.4	T__	---	---	---	---	15128193	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.96	307.5	Pn	03:46:23.150	0.4	T__	---	---	---	---	15128194	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.96	307.5	Lg	03:46:35.620	-0.4	T__	---	---	---	---	15128195	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.96	307.5	IAML	03:46:37.190	-99.0	---	---	8.7	0.19	---	15128196	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.19	63.6	Pn	03:46:26.020	0.1	T__	---	---	---	---	15128197	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.19	63.6	Sn	03:46:42.070	-1.0	T__	---	---	---	---	15128198	FDSN	HU	--	BUD	iLoc	BHE	???	_
PDKS	1.20	294.7	Pg	03:46:27.600	0.7	T__	---	---	---	---	15128199	FDSN	IR	--	ISC	iLoc	???	???	_
PDKS	1.20	294.7	IAML	03:46:47.310	-99.0	---	---	1.7	0.13	---	15128200	FDSN	IR	--	ISC	iLoc	???	???	_
A265A	1.21	44.5	Pg	03:46:27.053	-0.7	T__	---	---	---	---	15128201	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	1.21	44.5	Lg	03:46:44.672	0.2	T__	---	---	---	---	15128202	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VISS	1.23	281.5	Pg	03:46:27.770	0.4	T__	---	---	---	---	15128203	FDSN	IR	--	ISC	iLoc	???	???	_
VISS	1.23	281.5	IAML	03:46:49.020	-99.0	---	---	1.7	0.17	---	15128204	FDSN	IR	--	ISC	iLoc	???	???	_
GBRS	1.24	268.9	Pg	03:46:28.090	0.5	T__	---	---	---	---	15128205	FDSN	IR	--	ISC	iLoc	???	???	_
GBRS	1.24	268.9	IAML	03:46:46.160	-99.0	---	---	2.6	0.18	---	15128206	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	1.30	358.7	Lg	03:46:46.510	-0.5	T__	---	---	---	---	15128207	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOKA	1.54	316.6	Pg	03:46:33.127	-0.2	T__	---	0.1	0.14	---	15128208	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.54	316.6	Lg	03:46:52.938	-1.1	T__	---	0.9	0.28	---	15128209	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.59	65.2	Pg	03:46:34.660	-0.2	T__	---	---	---	---	15128210	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.59	65.2	Lg	03:46:55.938	-0.5	T__	---	---	---	---	15128211	FDSN	HU	--	BUD	iLoc	BHN	???	_
OBKA	1.69	304.5	Pn	03:46:34.241	1.3	T__	---	0.4	0.18	---	15128212	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.69	304.5	Lg	03:46:58.506	-0.3	T__	---	1.3	0.32	---	15128213	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.69	304.5	Lg	03:46:58.108	-0.7	T__	---	---	---	---	15128214	FDSN	OE	--	BUD	iLoc	BHN	???	_
ARSA	1.83	337.1	Pn	03:46:36.131	1.4	T__	---	1.1	0.40	---	15128215	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.83	337.1	Sn	03:46:59.133	0.8	T__	---	0.3	0.20	---	15128216	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
2018/09/10	06:16:27.05	1.22	0.43	47.1246	17.7200	12.3	7.9	13	5.0A		6	4	126	0.13	1.11	m	ke	BUD	15128249	iLoc		251

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.5	0.7	2	BUD	15128249

Sta	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	0.13	290.4	Pg	06:16:30.136	0.1					T__	3.0	26.3			MLv	1.1	15128251	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MPLH	0.13	290.4	Lg	06:16:32.352	-0.0					T__							15128252	FDSN	HU	--	BUD	iLoc	BHN	???	_
CSKK	0.44	56.9	Lg	06:16:42.531	-0.2					T__							15128253	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOVH	1.07	165.7	Pn	06:16:47.651	-0.0					T__	1.3	7.8			MLv	2.0	15128254	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	1.07	165.7	Sn	06:17:03.265	-0.5					T__							15128255	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.11	144.7	Sn	06:17:05.035	0.5					T__							15128256	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
2018/09/10	08:25:50.25	1.06	0.63	48.5253	20.7878	7.6	3.9	155	0.0S		13	7	97	0.21	1.23	m	kx BUD	15128217	iLoc			157
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD	15128217

Sta	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	258.3	Pg	08:25:54.706	0.1					T__	24.3	93.9		---	MLv	1.8	15128219	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.21	258.3	Lg	08:25:57.921	0.0					T__				---		15128220	FDSN	SK	--	BUD	iLoc	EHE	???	_	
KECS	0.21	258.3	Lg	08:25:58.700	0.8					T__		0.9		---		15128221	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.8 1)																									
ABAH	0.38	127.1	Lg	08:26:04.671	0.0					T__				---		15128222	FDSN	HU	--	BUD	iLoc	HHN	???	_	
CRVS	0.58	49.5	Pg	08:26:01.500	0.0					T__		0.0		---		15128223	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	0.85	224.9	Pn	08:26:09.200	0.4					T__		0.0		---		15128224	FDSN	IR	--	ISC	iLoc	???	???	_	
PSZ	0.85	224.9	Pg	08:26:07.597	-0.6					T__	2.4	4.8		---	MLv	1.7	15128225	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.85	224.9	Lg	08:26:21.994	0.5					T__				---		15128226	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1)																									
NIE	0.95	340.9	Pn	08:26:10.687	0.5					T__	1.7	1.6		---	MLv	1.2	15128227	FDSN	PL	--	BUD	iLoc	BHZ	BHZ	_
NIE	0.95	340.9	Sn	08:26:24.524	-1.4					T__				---		15128228	FDSN	PL	--	BUD	iLoc	BHN	???	_	
NIE	0.95	340.4	Lg	08:26:11.300	-10.5					---				---		15128229	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.2 1)																									
KOLS	1.06	66.9	Lg	08:26:27.692	0.0					T__				---		15128230	FDSN	SK	--	BUD	iLoc	HHE	???	_	
KOLS	1.06	66.9	Lg	08:26:28.200	0.5					T__				---		15128231	FDSN	IR	--	ISC	iLoc	???	???	_	
A336A	1.23	256.9	Lg	08:26:32.891	0.0					T__				---		15128232	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
2018/09/11	09:13:48.18	0.24	0.25	46.6242	22.1925	2.2	0.8	140	2.1F	1.7	17	198		0.39	2.31	a	ke BUC	15110038	ISC			360
2018/09/11	09:13:47.71	1.12	1.19	46.6547	22.2032	7.7	2.9	144	0.0S		37	9	204	0.38	2.33	m	sx BUD	15128265	iLoc			227
(description : suspected quarry blast)																						
(locality : Coasta-Morii Romania)																						

Magnitude	Err	Nsta	Author	OrigID
m1	1.5		BUC	15110038
M	1.7	5	BUD	15128265

Sta	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	68.4	Pg	09:13:55.319	-0.3					T__				---		15128267	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.38	68.4	Pg	09:13:55.319	-0.3					T__				---		15128268	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.38	68.4	Lg	09:14:01.137	-0.9					T__				---		15128269	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.38	68.4	Pg	09:13:55.186	-0.4					T__				---		15128270	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.38	68.4	Lg	09:14:00.452	-1.6					T__				---		15128271	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.54	224.3	Pg	09:13:58.209	-0.8					T__				---		15128272	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.54	224.3	Pg	09:13:58.209	-0.8					T__				---		15128273	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.54	224.3	Pb	09:14:01.500	2.5					T__		0.1		---		15128274	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.54	224.3	Lg	09:14:05.593	-2.0					T__				---		15128275	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.54	224.0	Pg	09:13:58.061	-1.0					T__				---		15128276	FDSN	RO	--	BUD	iLoc	BHZ	???	_

SIRR	0.54	224.0	Lg	09:14:05.368	-2.2	T__	---	---	15128277	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
MARR	0.63	87.7	Pg	09:14:00.511	0.0	T__	---	---	15128278	FDSN	IR	--	ISC	iLoc	???	???	???	_
MARR	0.63	87.7	Pg	09:14:00.511	0.0	T__	---	---	15128279	FDSN	IR	--	ISC	iLoc	???	???	???	_
MARR	0.63	87.7	Lg	09:14:09.957	-0.8	T__	---	---	15128280	FDSN	IR	--	ISC	iLoc	???	???	???	_
SURR	0.90	183.5	Pg	09:14:05.082	-0.2	T__	---	---	15128281	FDSN	IR	--	ISC	iLoc	???	???	???	_
SURR	0.90	183.5	Pg	09:14:05.082	-0.2	T__	---	---	15128282	FDSN	IR	--	ISC	iLoc	???	???	???	_
SURR	0.90	183.5	Lg	09:14:16.757	-1.5	T__	---	---	15128283	FDSN	IR	--	ISC	iLoc	???	???	???	_
CJR	0.96	86.0	Pn	09:14:08.089	0.1	T__	---	---	15128284	FDSN	RO	--	BUD	iLoc	BHZ	???	???	_
CJR	0.96	86.0	Lg	09:14:20.738	-1.0	T__	---	---	15128285	FDSN	IR	--	ISC	iLoc	???	???	???	_
CJR	0.96	86.0	Lg	09:14:20.738	-1.0	T__	0.2	---	15128286	FDSN	IR	--	ISC	iLoc	???	???	???	_
CJR	0.96	86.0	Lg	09:14:21.693	-0.1	T__	---	---	15128287	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
CJR	0.96	86.0	Pn	09:14:29.400	21.4	T__	---	---	15128288	FDSN	IR	--	ISC	iLoc	???	???	???	_
BZS	1.11	200.9	Pn	09:14:08.791	-0.5	T__	---	---	15128289	FDSN	RO	--	BUD	iLoc	BHZ	???	???	_
BZS	1.11	200.9	Lg	09:14:23.887	-1.3	T__	---	---	15128290	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
BZS	1.12	201.7	Pg	09:14:12.800	3.3	T__	0.0	---	15128291	FDSN	IR	--	ISC	iLoc	???	???	???	_
BZS	1.12	201.7	Lg	09:14:23.751	-1.7	T__	---	---	15128292	FDSN	IR	--	ISC	iLoc	???	???	???	_
GZR	1.32	162.2	Pg	09:14:12.937	-0.1	T__	---	---	15128293	FDSN	IR	--	ISC	iLoc	???	???	???	_
GZR	1.32	162.2	Pg	09:14:12.937	-0.1	T__	---	---	15128294	FDSN	IR	--	ISC	iLoc	???	???	???	_
GZR	1.32	162.2	Pg	09:14:13.443	0.4	T__	---	---	15128295	FDSN	RO	--	BUD	iLoc	BHZ	???	???	_
GZR	1.32	162.2	Pg	09:14:14.300	1.3	T__	0.0	---	15128296	FDSN	IR	--	ISC	iLoc	???	???	???	_
GZR	1.32	162.2	Lg	09:14:30.646	-1.2	T__	---	---	15128297	FDSN	RO	--	BUD	iLoc	BHN	???	???	_
GZR	1.32	162.2	Lg	09:14:31.166	-0.7	T__	---	---	15128298	FDSN	IR	--	ISC	iLoc	???	???	???	_
ARCR	1.54	72.9	Pg	09:14:32.500	15.0	T__	---	---	15128299	FDSN	IR	--	ISC	iLoc	???	???	???	_
LOT	1.63	137.3	Pg	09:14:17.821	-1.0	T__	---	---	15128300	FDSN	IR	--	ISC	iLoc	???	???	???	_
LOT	1.63	137.3	Pg	09:14:17.821	-1.0	T__	---	---	15128301	FDSN	IR	--	ISC	iLoc	???	???	???	_
LOT	1.63	137.3	Sn	09:14:40.080	-0.1	T__	---	---	15128302	FDSN	IR	--	ISC	iLoc	???	???	???	_
KOLS	2.28	1.2	Pg	09:14:37.500	6.2	T__	---	---	15128303	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	2.33	120.5	Pn	09:14:27.139	-0.2	T__	---	---	15128304	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	2.33	120.5	Pn	09:14:27.139	-0.2	T__	---	---	15128305	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	2.33	120.5	Sn	09:14:57.688	-0.5	T__	---	---	15128306	FDSN	IR	--	ISC	iLoc	???	???	???	_
KOGS	4.11	269.3	Pn	09:14:56.400	4.5	T__	---	---	15128307	FDSN	IR	--	ISC	iLoc	???	???	???	_
PTJ	4.39	262.4	Pn	09:15:00.600	4.5	T__	---	---	15128308	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
 2018/09/11 09:32:56.22 1.07 0.83 48.6641 19.0898 5.6 3.7 50 0.0S 21 11 142 0.24 1.51 m kx BUD 15128309 iLoc 185

(description : known quarry blast)
 (locality : Badin Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.9 8 BUD 15128309

Sta	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	0.24	224.8	Pg	09:33:01.688	0.5					T__						15128311	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.24	224.8	Lg	09:33:05.507	0.6					T__						15128312	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.44	188.0	Pg	09:33:06.684	1.6					T__						15128313	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.44	188.0	Lg	09:33:12.085	0.5					T__						15128314	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.44	289.0	Pg	09:33:05.474	0.5					T__						15128315	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.44	289.0	Lg	09:33:11.112	-0.3					T__						15128316	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.55	246.8	Pg	09:33:07.422	0.2					T__						15128317	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.55	246.8	Lg	09:33:14.375	-1.0					T__						15128318	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A331A	0.75	310.6	Pg	09:33:11.540	0.7					T__						15128319	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A331A	0.75	310.6	Lg	09:33:22.691	0.9	T__	---	15128320	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.82	183.4	Pg	09:33:13.293	0.3	T__	---	15128321	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.82	183.4	Lg	09:33:24.261	-1.1	T__	---	15128322	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.92	143.9	Pn	09:33:15.857	0.2	T__	---	15128323	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.92	143.9	Lg	09:33:28.225	-1.5	T__	---	15128324	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.94	100.5	Pn	09:33:15.812	0.0	T__	---	15128325	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.94	100.5	Lg	09:33:29.138	0.1	T__	---	15128326	FDSN	SK	--	BUD	iLoc	EHE	???	_
JAVC	0.96	282.3	Pg	09:33:15.514	0.1	T__	---	15128327	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MODS	1.24	257.1	Pn	09:33:20.551	0.5	T__	---	15128328	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.24	257.1	Sn	09:33:36.828	-1.5	T__	---	15128329	FDSN	SK	--	BUD	iLoc	HHE	???	_
MORC	1.51	318.3	Pg	09:33:24.876	-0.0	T__	---	15128330	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.51	318.3	Lg	09:33:44.727	-0.2	T__	---	15128331	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
2018/09/12	07:01:25.67	1.44	0.69	47.9239	20.0211	11.2	4.3	159	0.0S		11	7	180	0.09	1.51	m	kx BUD	15128332	iLoc			216
2018/09/12	07:01:25.82f		1.72	47.8987	20.0893f				0.0S		12		156	0.13	5.06	m	kx BUD_GT	15135895	BUD			194

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15135895

Sta	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	07:01:28.247	-1.0					T__						15138458	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.13	278.6	Lg	07:01:31.004	-1.1					T__						15138459	FDSN	GE	--	BUD	BUD	BHN	???	_
KECS	0.64	24.2	Pg	07:01:38.611	-0.1					T__						15138460	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.64	24.2	Lg	07:01:48.182	-0.3					T__						15138461	FDSN	SK	--	BUD	BUD	EHE	???	_
A336A	0.80	295.0	Lg	07:01:51.892	-2.1					T__						15138462	FDSN	Z3	00	BUD	BUD	HH2	???	_
ABAH	0.87	62.3	Pn	07:01:44.196	-0.2					T__						15138463	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.87	62.3	Lg	07:01:57.220	-0.2					T__						15138464	FDSN	HU	--	BUD	BUD	HHE	???	_
VYHS	1.03	305.9	Pg	07:01:45.750	-0.7					T__						15138465	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.03	305.9	Lg	07:01:59.019	-2.6					T__						15138466	FDSN	SK	--	BUD	BUD	HHN	???	_
CSKK	1.35	247.2	Sn	07:02:10.558	0.0					T__						15138467	FDSN	HU	--	BUD	BUD	HHN	???	_
NIE	1.53	5.5	Sn	07:02:15.470	-0.7					T__						15138468	FDSN	PL	--	BUD	BUD	BHE	???	_
KIJV	4.67	214.8	Pg	07:03:05.200	7.6					---						15138469	FDSN	IR	--	ISC	BUD	???	???	_
KIJV	4.67	214.8	Sn	07:03:09.550	-23.2					---						15138470	FDSN	IR	--	ISC	BUD	???	???	_
MORI	5.06	218.8	Pg	07:03:10.020	4.6					T__						15138471	FDSN	IR	--	ISC	BUD	???	???	_
MORI	5.06	218.8	Sn	07:03:14.540	-28.1					---						15138472	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
2018/09/12	10:56:18.28	1.07	0.63	47.5584	18.4659	6.2	3.9	125	0.0S		15	10	105	0.10	1.41	m	kx BUD	15128349	iLoc			146
2018/09/12	10:56:18.31f		0.58	47.5600	18.4573f				0.0S		15		105	0.09	1.40	m	kx BUD_GT	15137148	BUD			146

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

Magnitude	Err	Nsta	Author	OrigID
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M 1.8 5 BUD 15137148

Sta	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	10:56:20.668	-0.1					T__						15138473	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.09	327.2	Lg	10:56:23.308	0.6					T__						15138474	FDSN	Z3	00	BUD	BUD	HHN	???	_
CSKK	0.24	214.2	Pg	10:56:22.889	-0.7					T__						15138475	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.24	214.2	Lg	10:56:27.113	-0.6					T__						15138476	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.38	250.6	Lg	10:56:32.890	0.3					T__						15138477	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.74	238.3	Pg	10:56:33.706	0.5					T__						15138478	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.74	238.3	Lg	10:56:45.324	1.0					T__						15138479	FDSN	HU	--	BUD	BUD	BHE	???	_
A336A	0.77	28.2	Lg	10:56:44.018	-1.2					T__						15138480	FDSN	Z3	00	BUD	BUD	HH3	???	_
VVHS	0.97	15.1	Pn	10:56:38.450	0.3					T__						15138481	FDSN	SK	--	BUD	BUD	HHZ	???	_
VVHS	0.97	15.1	Lg	10:56:51.710	-0.4					T__						15138482	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Pg	10:56:40.527	0.4					T__						15138483	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	1.03	69.2	Lg	10:56:55.276	-0.3					T__						15138484	FDSN	GE	--	BUD	BUD	BHE	???	_
MODS	1.14	316.2	Lg	10:56:57.007	-0.7					T__						15138485	FDSN	SK	--	BUD	BUD	HHN	???	_
MORH	1.35	174.5	Sn	10:57:02.824	-0.2					T__						15138486	FDSN	HU	--	BUD	BUD	BHE	???	_
JAVC	1.40	338.3	Lg	10:57:06.354	-0.1					T__						15138487	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
2018/09/12	14:27:29.26	0.18	0.22	46.1149	21.7287	1.7	1.0	107	6.0F	2.8	11	156	0.16	1.33	a	ke	BUC	15110117	ISC			360
2018/09/12	14:27:28.36	1.00	0.68	46.1356	21.7718	7.2	3.6	91	0.0S		21	6	139	0.15	1.35	m	sx	BUD	15128366	iLoc		214

(description : suspected quarry blast)

(locality : Lipova Romania)

Magnitude	Err	Nsta	Author	OrigID
ml	1.3		BUC	15110117
M	1.4	4	BUD	15128366

Sta	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	329.8	Pg	14:27:32.123	0.1					T__						15128368	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.15	329.8	Lg	14:27:34.791	-0.2					T__						15128369	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.15	329.5	Pg	14:27:32.341	0.3					T__						15128370	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.15	329.5	Pg	14:27:32.341	0.3					T__						15128371	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.52	190.1	Pg	14:27:38.680	-0.2					T__						15128372	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.52	190.1	Lg	14:27:45.739	-0.9					T__						15128373	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.53	191.8	Pg	14:27:38.882	-0.1					T__						15128374	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.53	191.8	Pg	14:27:38.882	-0.1					T__						15128375	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.53	191.8	Lg	14:27:45.955	-0.9					T__						15128376	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.92	44.4	Lg	14:28:01.053	-1.0					T__						15128377	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.92	44.4	Pn	14:27:48.233	0.4					T__						15128378	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.92	44.4	Lg	14:28:01.386	-0.6					T__						15128379	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.02	136.2	Pn	14:27:49.483	0.5					T__						15128380	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.02	136.2	Pn	14:27:49.483	0.5					T__						15128381	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.02	136.2	Pn	14:27:50.586	1.6					T__						15128382	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.02	136.2	Lg	14:28:03.216	0.6					T__						15128383	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.08	59.4	Pn	14:27:50.566	0.4					T__						15128385	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.08	59.4	Pn	14:27:50.566	0.4					T__						15128384	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.08	59.4	Lg	14:28:06.168	-0.9					T__						15128386	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	181.8	Sn	14:28:13.260	-0.4					T__						15128387	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	181.8	Sn	14:28:13.260	-0.4					T__						15128388	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
2018/09/13	09:06:56.10	1.67	0.52	45.8588	18.4074	11.4	5.5	119	0.0S	6	3	198	0.31	0.58	m	kx	BUD	15128389	iLoc			292
2018/09/13	09:06:56.10f		0.39	45.8525	18.3977f				0.0S	6		197	0.31	0.57	m	kx	BUD_GT	15137151	BUD			293

(GT info : GT2 explosion)

(locality : Nagyharsány Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.4	3 BUD	15128389
ML	0.9	0.4	3 BUD	15137151

Sta	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	09:07:03.330	0.3					T__		5.4		---	MLv	15138488	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.31	318.7	Lg	09:07:08.038	-0.4					T__				---		15138489	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.40	25.2	Pg	09:07:04.645	-0.0					T__		1.9		---	MLv	15138490	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.40	25.2	Lg	09:07:10.739	-0.6					T__				---		15138491	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.57	222.9	Pg	09:07:08.324	0.6					T__		3.6		---	MLv	15138492	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.57	222.9	Lg	09:07:16.360	-0.3					T__				---		15138493	FDSN	Z3	--	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
2018/09/13	10:20:42.16	1.40	0.47	48.2176	21.2471	8.7	6.7	171	0.0S	5	3	156	0.08	0.96	m	kx	BUD	15128410	iLoc			261
2018/09/13	10:20:42.39f		0.57	48.2470	21.2460f				0.0S	5		153	0.05	0.96	m	kx	BUD_GT	15137154	BUD			257

(description : known quarry blast)

(locality : Tállya Hungary)

(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.6	0.5	2 BUD	15137154

Sta	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	10:20:44.655	0.7					T__		414.8		---	MLv	15138494	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:20:45.735	0.3					T__				---		15138495	FDSN	HU	--	BUD	BUD	HHE	???	_
TRPA	0.87	97.2	Pn	10:21:01.099	-0.3					T__		2.1		---	MLv	15138496	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	10:21:13.699	-0.6					T__				---		15138497	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	10:21:16.862	-0.8					T__				---		15138498	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
2018/09/13	13:36:22.78	5.84	0.00	47.5754	18.3112	39.5	16.7	39	0.0S	4	3	297	0.22	1.38	m	sx	BUD	15128425	iLoc			341

(description : suspected quarry blast)

(locality : Tardos Hungary)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.9	0.4	2 BUD	15128425

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

CSKK	0.22	189.2	Pg	13:36:27.632	0.0	T__	3.2	109.2	---	MLv	1.9	15128427	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.22	189.2	Lg	13:36:31.432	0.0	T__			---			15128428	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.66	232.6	Pg	13:36:36.322	0.0	T__	2.4	4.8	---	MLv	1.5	15128429	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.38	170.3	Sn	13:37:08.203	-0.0	T__			---			15128430	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
2018/09/14	06:08:47.15	1.42	1.12	47.2287	18.2904	14.5	9.0	94	0.0S		4	3	174	0.14	1.04	m	kx	BUD	15128439	iLoc		272
2018/09/14	06:08:46.99f		0.53	47.2302	18.2835f				0.0S		4		172	0.13	1.04	m	kx	BUD_GT	15135906	BUD		270

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.4	3 BUD	15128439
ML	1.3	0.4	3 BUD	15135906

Sta	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	06:08:50.265	-0.0					T__		186.2		---	MLv	15138499	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MPLH	0.51	263.5	Pg	06:08:57.713	0.1					T__		3.3		---	MLv	15138500	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Pg	06:09:08.609	0.7					T__		0.8		---	MLv	15138501	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	06:09:22.804	-0.7					T__				---		15138502	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
2018/09/14	06:24:52.42	2.00	0.44	47.3777	18.4281	14.1	9.6	108	0.0S		4	3	179	0.11	1.17	m	kx	BUD	15128458	iLoc		269

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

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	262.8	Pg	06:24:55.592	0.2					T__				---		15128460	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.11	262.8	Lg	06:24:57.462	-0.3					T__				---		15128461	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.26	353.2	Lg	06:25:02.416	-0.2					T__				---		15128462	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.17	172.6	Sn	06:25:32.638	-0.1					T__				---		15128463	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
2018/09/14	08:12:40.47	1.25	0.77	48.6210	20.6940	10.5	4.3	151	0.0S		11	5	169	0.20	1.19	m	kx	BUD	15128464	iLoc		239

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

Magnitude	Err	Nsta	Author	OrigID
M	1.5		4 BUD	15128464

Sta	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	225.2	Pg	08:12:45.270	0.7					T__				---		15128466	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	225.2	Lg	08:12:47.556	-0.2					T__				---		15128467	FDSN	SK	--	BUD	iLoc	EHN	???	_

KECS	0.20	225.2	Lg	08:12:48.800	1.0	T__	0.7	---	15128468	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.49	131.6	Pg	08:12:51.001	0.7	T__		---	15128469	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.49	131.6	Lg	08:12:57.987	-0.6	T__		---	15128470	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.58	60.7	Pg	08:12:52.257	0.7	T__		---	15128471	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	60.7	Lg	08:13:00.447	-0.7	T__		---	15128472	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	217.5	Pn	08:12:59.600	0.1	T__	0.0	---	15128473	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.88	217.5	Pg	08:12:58.742	-0.3	T__		---	15128474	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	217.5	Lg	08:13:12.186	-0.6	T__		---	15128475	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.19	251.7	Sn	08:13:20.677	-0.9	T__		---	15128476	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
 2018/09/14 09:14:10.87 1.11 0.99 48.1807 21.2187 8.8 5.0 170 0.0S 11 6 161 0.12 1.51 m sx BUD 15128477 iLoc 188
 (description : suspected quarry blast)
 (locality : Tallya Hungary)

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15128477

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.12	6.9	Pg	09:14:13.916	0.2					T__						15128479	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.12	6.9	Lg	09:14:15.462	-0.8					T__						15128480	FDSN	HU	--	BUD	iLoc	HHN	???	_
KECS	0.58	302.0	Pg	09:14:23.836	1.4					T__						15128481	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.58	302.0	Lg	09:14:29.644	-1.6					T__						15128482	FDSN	SK	--	BUD	iLoc	EHN	???	_
CRVS	0.74	12.5	x	09:14:28.136	-99.0					---						15128483	FDSN	SK	--	BUD	iLoc	HHZ	???	_
HOLU	0.85	65.5	Pn	09:14:29.506	-0.1					T__						15128484	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.85	65.5	Lg	09:14:41.938	0.3					T__						15128485	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.89	92.8	Pn	09:14:29.927	-0.2					T__						15128486	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.89	92.8	Lg	09:14:43.182	-0.0					T__						15128487	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	0.93	254.0	Pn	09:14:31.856	1.3					T__						15128488	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.93	254.0	Sn	09:14:45.599	-0.6					T__						15128489	FDSN	GE	--	BUD	iLoc	BHE	???	_
A270A	1.51	258.0	Pg	09:14:40.861	-0.7					T__						15128490	FDSN	Z3	00	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
 2018/09/14 15:33:13.67 1.20 1.08 48.6157 20.7686 9.0 4.7 164 0.0S 10 6 152 0.23 1.29 m kx BUD 15128491 iLoc 182
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 4 BUD 15128491

Sta	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	234.9	Pg	15:33:19.010	0.6					T__						15128493	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	234.9	Lg	15:33:23.118	1.0					T__						15128494	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.45	135.4	Pg	15:33:24.031	1.2					T__						15128495	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.45	135.4	Lg	15:33:28.338	-2.1					T__						15128496	FDSN	HU	--	BUD	iLoc	HHN	???	_
CRVS	0.54	57.7	Lg	15:33:32.593	-0.4					T__						15128497	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.91	220.3	Pn	15:33:32.966	-0.1					T__						15128498	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	220.3	Lg	15:33:46.479	-0.4					T__						15128499	FDSN	GE	--	BUD	iLoc	BHN	???	_

KOLS	1.04	71.7	Lg	15:33:50.707	0.3	T__	---	15128500	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.29	265.3	Pg	15:33:39.318	-0.0	T__	---	15128501	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	265.3	Sn	15:33:56.893	-0.6	T__	---	15128502	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
2018/09/15	08:52:32.39	1.79	1.73	45.8798	18.3689	10.8	6.7	126	0.0S	6	4	189	0.28	0.65	m	sx	BUD	15128503	iLoc			288
(description : suspected quarry blast)																						
(locality : Nagyharsány 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	0.28	318.1	Pg	08:52:39.709	1.1					T__						15128505	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.28	318.1	Lg	08:52:42.642	-0.9					T__						15128506	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.39	29.6	Pg	08:52:41.798	1.1					T__						15128507	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.39	29.6	Lg	08:52:45.453	-1.6					T__						15128508	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.58	219.6	Lg	08:52:51.943	-1.2					T__						15128509	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A266A	0.65	353.6	Lg	08:52:54.855	-1.3					T__						15128510	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	
2018/09/15	19:30:32.20	1.75	1.37	45.7510	18.8684	13.0	6.3	33	3.3F	25.9	7	3	150	0.49	0.92	m	ke	BUD	15128545	iLoc			265

Magnitude	Err	Nsta	Author	OrigID
M	1.2	4	BUD	15128545

Sta	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	0.49	341.5	Pg	19:30:43.368	1.3					T__						15128547	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.49	341.5	Lg	19:30:48.208	-1.4					T__						15128548	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	0.63	302.4	x	19:30:46.858	-99.0					---						15128549	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.63	302.4	Lg	19:30:53.662	-1.1					T__						15128550	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.78	246.6	Pn	19:30:48.734	-0.3					T__						15128551	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.78	246.6	Lg	19:30:59.532	-0.2					T__						15128552	FDSN	Z3	--	BUD	iLoc	BHE	???	_
FRGS	0.92	131.8	Pn	19:30:50.687	-0.1					T__						15128553	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
FRGS	0.92	131.8	Lg	19:31:02.719	-0.9					T__						15128554	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
2018/09/17	08:12:41.63	1.68	1.64	47.9870	20.3315	17.5	5.3	155	0.0S	5	3	194	0.30	0.68	m	kx	BUD	15128511	iLoc			308
(description : known quarry blast)																						
(locality : Egerbakta Hungary)																						

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.2	0.5	2	BUD	15128511

Sta	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	0.30	257.0	Pg	08:12:49.409	0.9					T__	2.6	6.2			MLv	0.9	15128513	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.30	257.0	Lg	08:12:52.283	-1.5					T__						15128514	FDSN	GE	--	BUD	iLoc	BHN	???	_	

KECS	0.51	11.7	Lg	08:12:59.207	-0.5	T__								15128515	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.68	62.7	Pg	08:12:56.040	0.7	T__	1.8	4.8	---	MLv	1.6	15128516	FDSN	HU	--	BUD	iLoc	HHZ	HHZ			_
ABAH	0.68	62.7	Lg	08:13:05.474	-1.2	T__			---			15128517	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
2018/09/17	10:02:29.71	1.06	0.69	48.1401	16.9243	5.2	3.8	142	0.0S		17	12	73	0.33	1.39	m	sx	BUD	15128526	iLoc		86

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15128526

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.33	45.2	Pg	10:02:36.051	-0.8					T__						15128528	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.33	45.2	Lg	10:02:41.130	-1.1					T__						15128529	FDSN	SK	--	BUD	iLoc	HHE	???	_
A003A	0.39	167.2	Lg	10:02:44.020	-0.1					T__						15128530	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CONA	0.74	253.8	Pg	10:02:45.154	0.6					T__						15128531	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.74	253.8	Lg	10:02:55.131	-0.5					T__						15128532	FDSN	OE	--	BUD	iLoc	BHE	???	_
JAVC	0.87	34.3	Pn	10:02:49.474	0.8					T__						15128533	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.87	34.3	Lg	10:03:00.017	-0.2					T__						15128534	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A338A	0.97	96.9	Lg	10:03:03.951	0.6					T__						15128535	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KRUC	0.99	339.4	Lg	10:03:03.350	0.8					T__						15128536	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.99	71.4	Lg	10:03:04.509	0.5					T__						15128537	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A013A	1.02	266.3	Lg	10:03:03.354	-1.0					T__						15128538	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.06	156.6	Lg	10:03:06.214	-0.1					T__						15128539	FDSN	HU	--	BUD	iLoc	BHE	???	_
VRAC	1.19	349.5	Pg	10:02:52.287	0.2					T__						15128540	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.19	349.5	Sn	10:03:09.516	-0.9					T__						15128541	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.30	227.3	Pg	10:02:54.540	-0.4					T__						15128542	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.30	227.3	Lg	10:03:13.414	-0.2					T__						15128543	FDSN	OE	--	BUD	iLoc	BHE	???	_
A336A	1.39	85.4	Lg	10:03:16.796	-0.1					T__						15128544	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
2018/09/17	10:33:02.19	1.17	1.00	46.1148	18.0312	6.6	4.6	110	0.0S		11	6	125	0.05	1.11	m	kx	BUD	15128555	iLoc		164
2018/09/17	10:33:02.04f	0.84	0.84	46.1204	18.0243f				0.0S		11		127	0.06	1.10	m	kx	BUD_GT	15137157	BUD		166

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

Magnitude	Err	Nsta	Author	OrigID
M	1.1	6	BUD	15137157

Sta	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	121.4	Pg	10:33:04.404	0.5					T__						15138503	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.06	121.4	Lg	10:33:05.235	-0.4					T__						15138504	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	215.5	Pg	10:33:08.309	0.8					T__						15138505	FDSN	Z3	--	BUD	BUD	HHZ	???	_
A266A	0.44	22.3	Pg	10:33:12.159	0.8					T__						15138508	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A266A	0.44	22.3	Lg	10:33:19.613	1.1					T__						15138509	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.44	77.3	Pg	10:33:11.536	0.2					T__						15138506	FDSN	HU	--	BUD	BUD	BHZ	???	_

MORH	0.44	77.3	Lg	10:33:17.561	-0.9	T__	---	15138507	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	190.3	Pg	10:33:16.848	0.6	T__	---	15138510	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.70	190.3	Lg	10:33:25.734	-1.2	T__	---	15138511	FDSN	Z3	--	BUD	BUD	BHE	???	_
MPLH	1.10	342.5	Pg	10:33:24.287	-0.0	T__	---	15138512	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	1.10	342.5	Lg	10:33:39.279	-1.5	T__	---	15138513	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
2018/09/18	08:19:12.54	1.10	1.44	48.5687	20.7663	6.7	4.7	163	0.0S	13	8	109	0.21	2.93	m	kx	BUD	15128568	iLoc		186	

Magnitude	Err	Nsta	Author	OrigID
M	1.5	6	BUD	15128568

Sta	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	245.5	Pg	08:19:16.729	-0.1					T__						15128570	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	245.5	Lg	08:19:21.152	1.0					T__						15128571	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	130.7	Pg	08:19:20.920	-0.2					T__						15128572	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	53.8	Pg	08:19:23.469	0.0					T__						15128573	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	53.8	Lg	08:19:31.479	-1.4					T__						15128574	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.87	222.2	Pn	08:19:31.408	0.0					T__						15128575	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.2	Lg	08:19:44.368	-0.1					T__						15128576	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.04	304.7	Pg	08:19:32.430	-0.4					T__						15128577	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.04	304.7	Lg	08:19:48.244	0.2					T__						15128578	FDSN	SK	--	BUD	iLoc	EHE	???	_
VYHS	1.29	267.4	Pn	08:19:37.335	0.3					T__						15128579	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	267.4	Sn	08:19:55.283	-1.0					T__						15128580	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORC	2.44	301.0	Pg	08:20:05.800	7.3					---						15128581	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.85	286.6	Pn	08:20:02.000	3.2					T__						15128582	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.85	286.6	Sn	08:20:05.900	-29.2					---						15128583	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.93	281.3	Pg	08:20:06.100	-2.5					T__						15128584	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.93	281.3	Sn	08:20:12.200	-24.7					---						15128585	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
2018/09/18	10:06:06.02	1.31	0.77	48.3267	19.8383	5.0	4.3	8	0.0S	13	8	83	0.41	1.14	m	kx	BUD	15128586	iLoc		161	
(locality : Husina Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	5	BUD	15128586

Sta	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	174.7	Pg	10:06:15.479	0.4					T__						15128588	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.41	174.7	Lg	10:06:21.972	0.1					T__						15128589	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	0.57	260.8	Pg	10:06:18.311	0.8					T__						15128590	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.57	260.8	Lg	10:06:25.177	-0.8					T__						15128591	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.69	284.5	Pg	10:06:20.147	0.3					T__						15128592	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.69	284.5	Lg	10:06:29.802	-0.3					T__						15128593	FDSN	SK	--	BUD	iLoc	HHN	???	_
LANS	0.86	343.6	Pg	10:06:23.579	0.7					T__						15128594	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.86	343.6	Lg	10:06:35.164	-0.4					T__						15128595	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.94	91.4	Pg	10:06:25.016	0.5					T__						15128596	FDSN	HU	--	BUD	iLoc	HHZ	???	_

ABAH	0.94	91.4	Lg	10:06:38.518	-1.3	T__	---	15128597	FDSN	HU	--	BUD	iLoc	HHE	???	_
A335A	1.01	277.4	Lg	10:06:40.237	-0.6	T__	---	15128598	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	1.04	253.2	Lg	10:06:41.096	-1.0	T__	---	15128599	FDSN	Z3	00	BUD	iLoc	HH2	???	_
NIE	1.14	15.8	Lg	10:06:43.425	-0.4	T__	---	15128600	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
2018/09/19	07:11:44.06	1.28	0.58	47.7301	18.5673	6.0	5.0	92	0.0S	13	8	98	0.15	1.08	m	sx	BUD	15128601	iLoc			181
(locality : Bersekbánya-II Hungary)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.1	4	BUD	15128601

Sta	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	0.15	233.8	Pg	07:11:46.980	-0.7					T__						15128603	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.15	233.8	Lg	07:11:49.914	-0.6					T__						15128604	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SRO	0.19	296.0	Pg	07:11:48.769	0.4					T__						15128605	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SRO	0.19	296.0	Lg	07:11:51.954	0.4					T__						15128606	FDSN	SK	--	BUD	iLoc	EHE	???	_
BUD	0.40	128.4	Lg	07:11:58.602	-0.6					T__						15128607	FDSN	HU	--	BUD	iLoc	BHE	???	_
CSKK	0.42	209.6	Pg	07:11:53.893	1.0					T__						15128608	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.42	209.6	Lg	07:11:59.433	-0.2					T__						15128609	FDSN	HU	--	BUD	iLoc	HHN	???	_
A336A	0.58	29.8	Lg	07:12:04.344	-0.3					T__						15128610	FDSN	Z3	00	BUD	iLoc	HH3	???	_
EGYH	0.89	249.9	Lg	07:12:15.290	-0.2					T__						15128611	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.89	231.6	Pn	07:12:02.930	0.1					T__						15128612	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.89	231.6	Lg	07:12:15.394	0.0					T__						15128613	FDSN	HU	--	BUD	iLoc	BHN	???	_
MODS	1.08	307.1	Pg	07:12:05.942	0.1					T__						15128614	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.08	307.1	Lg	07:12:20.725	-0.9					T__						15128615	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
2018/09/19	08:03:28.53	1.35	0.81	48.5649	20.7633	11.9	6.4	162	0.0S	7	5	146	0.20	1.28	m	kx	BUD	15128616	iLoc			222
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15128616

Sta	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	08:03:32.937	0.2					T__						15128618	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	246.2	Lg	08:03:37.084	1.0					T__						15128619	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	130.1	Pg	08:03:37.123	0.1					T__						15128620	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	53.6	Pg	08:03:39.664	0.2					T__						15128621	FDSN	SK	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	222.2	Pn	08:03:47.472	0.1					T__						15128622	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.2	Lg	08:04:00.034	-0.3					T__						15128623	FDSN	GE	--	BUD	iLoc	BHN	???	_
VVHS	1.28	267.6	Sn	08:04:11.033	-1.2					T__						15128624	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
------	------	-----	-----	----------	-----------	------	------	----	-------	-----	------	------	-----	-------	-------	------	--------	--------	-----	-------	-----	-----

2018/09/19 10:26:23.02 1.12 1.16 48.6495 19.9131 5.3 4.7 36 14.4F 15.4 13 8 92 0.42 1.07 m ke BUD 15128664 iLoc 141

Magnitude Err Nsta Author OrigID
M 1.7 5 BUD 15128664

Sta	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	113.4	Pg	10:26:32.094	0.5					T__						15128666	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.42	113.4	Lg	10:26:37.774	-0.3					T__						15128667	FDSN	SK	--	BUD	iLoc	EHE	???	_
LANS	0.58	329.8	Pg	10:26:34.677	0.0					T__						15128668	FDSN	SK	--	BUD	iLoc	EZH	???	_
LANS	0.58	329.8	Lg	10:26:42.198	-1.0					T__						15128669	FDSN	SK	--	BUD	iLoc	EHE	???	_
PSZ	0.73	181.0	Pg	10:26:38.738	0.2					T__						15128670	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.73	181.0	Lg	10:26:47.069	-2.3					T__						15128671	FDSN	GE	--	BUD	iLoc	BHE	???	_
VVHS	0.73	258.1	Lg	10:26:48.227	-0.0					T__						15128672	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.74	236.0	Sn	10:26:48.886	-0.7					T__						15128673	FDSN	Z3	00	BUD	iLoc	HH3	???	_
NIE	0.81	18.7	Pn	10:26:39.535	0.2					T__						15128674	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.81	18.7	Lg	10:26:49.332	-0.9					T__						15128675	FDSN	PL	--	BUD	iLoc	BHE	???	_
ABAH	0.95	111.3	Lg	10:26:57.683	1.1					T__						15128676	FDSN	HU	--	BUD	iLoc	HHN	???	_
A335A	1.07	259.6	Pg	10:26:45.843	1.6					T__						15128677	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.07	259.6	Lg	10:26:58.740	-0.3					T__						15128678	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
2018/09/20	10:06:15.70	1.21	1.07	47.2318	18.2751	8.8	5.4	106	0.0S		8	4	155	0.13	1.05	m	kx BUD	15128639	iLoc			253
2018/09/20	10:06:15.67f		0.84	47.2302	18.2835f				0.0S		8		156	0.13	1.04	m	kx BUD_GT	15135931	BUD			254

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

Magnitude Err Nsta Author OrigID
M 1.6 4 BUD 15135931

Sta	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	10:06:19.354	0.4					T__						15138514	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:06:21.500	-0.2					T__						15138515	FDSN	HU	--	BUD	BUD	HHN	???	_
A269A	0.41	9.3	Pg	10:06:25.124	0.7					T__						15138516	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.41	9.3	Lg	10:06:29.169	-1.8					T__						15138517	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:06:26.555	0.2					T__						15138518	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:06:33.410	-0.9					T__						15138519	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.04	166.1	Pg	10:06:36.907	0.3					T__						15138520	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.04	166.1	Lg	10:06:51.379	-0.8					T__						15138521	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
2018/09/20	10:59:54.32	1.15	0.53	47.8324	19.1627	5.3	4.9	165	0.0S		13	8	115	0.10	1.28	m	kx BUD	15128649	iLoc			210
2018/09/20	10:59:54.55f		0.62	47.8355	19.1270f				0.0S		13		110	0.07	1.27	m	kx BUD_GT	15137163	BUD			203

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

Magnitude Err Nsta Author OrigID

M 1.8 5 BUD 15137163

Sta	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	10:59:56.690	0.2					T__						15138522	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.07	277.6	Lg	10:59:59.264	1.1					T__						15138523	FDSN	Z3	00	BUD	BUD	HHE	???	_
BUD	0.36	191.2	Lg	11:00:08.013	-0.4					T__						15138524	FDSN	HU	--	BUD	BUD	BHN	???	_
A336A	0.41	347.9	Pg	11:00:03.159	0.2					T__						15138525	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.41	347.9	Lg	11:00:08.712	-0.4					T__						15138526	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	11:00:05.347	-0.6					T__						15138527	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.52	80.6	Lg	11:00:13.241	-1.2					T__						15138528	FDSN	GE	--	BUD	BUD	BHE	???	_
VYHS	0.69	343.6	Pg	11:00:09.052	0.6					T__						15138529	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.69	343.6	Lg	11:00:18.192	-0.5					T__						15138530	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	0.81	319.4	Pn	11:00:12.612	0.4					T__						15138531	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A335A	0.81	319.4	Lg	11:00:22.443	-0.4					T__						15138532	FDSN	Z3	00	BUD	BUD	HHE	???	_
A268A	0.91	244.0	Sn	11:00:27.990	-0.5					T__						15138533	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	1.27	238.8	Lg	11:00:38.792	0.4					T__						15138534	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
 2018/09/20 19:27:54.44 1.29 1.16 45.6033 18.0460 6.7 3.5 120 3.1F 9.0 28 16 183 0.22 1.83 m ke BUD 15128695 iLoc 204

Magnitude Err Nsta Author OrigID
 M 2.0 8 BUD 15128695

Sta	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	0.22	219.7	Pg	19:27:59.931	0.8					T__						15128697	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.22	219.7	Lg	19:28:03.059	0.4					T__						15128698	FDSN	Z3	--	BUD	iLoc	BHE	???	_
A273A	0.35	332.9	Pg	19:28:02.413	0.7					T__						15128699	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.35	332.9	Lg	19:28:07.112	-0.1					T__						15128700	FDSN	Z3	--	BUD	iLoc	HHN	???	_
KOVH	0.49	4.4	Pg	19:28:04.202	-0.2					T__						15128701	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.49	4.4	Lg	19:28:10.604	-1.3					T__						15128702	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.74	34.1	Pg	19:28:08.849	-0.4					T__						15128703	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.74	34.1	Lg	19:28:18.981	-1.4					T__						15128704	FDSN	HU	--	BUD	iLoc	BHE	???	_
A264A	0.77	316.7	Pg	19:28:10.049	0.1					T__						15128705	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.77	316.7	Lg	19:28:20.732	-0.7					T__						15128706	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A265A	0.84	348.1	Pg	19:28:11.376	0.1					T__						15128707	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.84	348.1	Lg	19:28:23.723	-0.1					T__						15128708	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MOSL	0.91	271.1	Pg	19:28:11.820	-0.7					T__						15128709	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.91	271.1	Lg	19:28:23.910	-2.0					T__						15128710	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	0.93	9.3	Pn	19:28:14.401	1.0					T__						15128711	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.93	9.3	Lg	19:28:27.495	0.5					T__						15128712	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BLY	1.02	217.2	Pn	19:28:14.629	-0.2					T__						15128713	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.02	217.2	Sn	19:28:30.008	-0.5					T__						15128714	FDSN	MN	--	BUD	iLoc	BHE	???	_
A263A	1.16	334.2	Sn	19:28:33.660	-0.2					T__						15128715	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KALN	1.23	296.0	Pn	19:28:18.870	0.8					T__						15128716	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	1.23	296.0	Sn	19:28:32.860	-3.5					T__						15128717	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	1.24	314.9	Sn	19:28:36.693	0.5					T__						15128718	FDSN	HU	--	BUD	iLoc	BHN	???	_
A267A	1.38	12.5	Sn	19:28:38.775	-0.2					T__						15128719	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A261A	1.49	335.6	Lg	19:28:44.331	-0.4					T__						15128720	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOGS	1.51	304.7	Pn	19:28:23.000	1.3					T__						15128721	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	1.51	304.7	Sn	19:28:43.791	1.3					T__						15128722	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	1.83	277.9	Pn	19:28:27.817	1.7					T__						15128723	FDSN	SL	--	BUD	iLoc	BHZ	???	_

CRES 1.83 277.9 Lg 19:28:53.935 -1.0 T__ --- 15128724 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
2018/09/20	21:24:45.99	1.26	0.64	45.6948	17.9532	12.8	5.9	121	10.0A	6	4	153	0.27	0.84	m	ke BUD	15128679	iLoc			222

Magnitude	Err	Nsta	Author	OrigID
MLv	1.1	0.5	2 BUD	15128679

Sta	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	0.27	195.9	Pg	21:24:52.055	0.2					T__	1.6	5.3		---	MLv	0.8	15128681	FDSN	Z3	--	BUD	iLoc	BHZ	BHZ	_
A252A	0.27	195.9	Lg	21:24:55.759	-0.7					T__				---		15128682	FDSN	Z3	--	BUD	iLoc	BHE	???	_	
KOVH	0.41	14.5	Lg	21:25:00.254	-0.8					T__				---		15128683	FDSN	HU	--	BUD	iLoc	HHE	???	_	
MORH	0.71	42.5	Pn	21:25:01.236	0.3					T__	1.8	4.0		---	MLv	1.5	15128684	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
MORH	0.71	42.5	Lg	21:25:10.368	-0.2					T__				---		15128685	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MOSL	0.84	264.9	Lg	21:25:14.815	-0.1					T__				---		15128686	FDSN	CR	--	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	
2018/09/21	01:54:02.91	1.09	0.51	47.9848	19.4173	6.8	3.9	0	13.7F	11.4	17	10	141	0.30	1.48	m	ke BUD	15128775	iLoc			171

Magnitude	Err	Nsta	Author	OrigID
M	1.7		6 BUD	15128775

Sta	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	0.30	242.6	Pg	01:54:09.800	0.2					T__				---		15128777	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.30	242.6	Lg	01:54:14.658	0.2					T__				---		15128778	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.33	101.5	Pg	01:54:10.301	-0.2					T__				---		15128779	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.33	101.5	Lg	01:54:15.321	-0.7					T__				---		15128780	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	0.37	311.7	Pg	01:54:11.401	0.6					T__				---		15128781	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.37	311.7	Lg	01:54:16.611	0.1					T__				---		15128782	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.64	322.9	Pn	01:54:16.152	-0.3					T__				---		15128783	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.64	322.9	Lg	01:54:24.565	-0.6					T__				---		15128784	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.72	272.8	Pn	01:54:18.043	0.6					T__				---		15128785	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.72	272.8	Sn	01:54:28.450	-0.3					T__				---		15128786	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.86	303.0	Pg	01:54:20.220	0.1					T__				---		15128787	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.86	303.0	Lg	01:54:31.449	-0.7					T__				---		15128788	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	0.87	54.7	Pg	01:54:20.826	0.6					T__				---		15128789	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.87	54.7	Sn	01:54:32.770	-0.1					T__				---		15128790	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	1.17	1.6	Lg	01:54:41.841	-0.3					T__				---		15128791	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	1.26	75.0	Pg	01:54:28.373	0.6					T__				---		15128792	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MODS	1.48	286.0	Pg	01:54:32.073	-0.2					T__				---		15128793	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
2018/09/21	06:58:36.29	1.92	0.43	48.3828	19.0838	38.2	7.3	35	0.0S	4	3	186	0.20	1.20	m	kx BUD	15128725	iLoc			326

(description : known quarry blast)

(locality : Badin Slovakia)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.1	0.0	1 BUD	15128725

Sta	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	304.1	Pg	06:58:40.700	0.2					T__	8.8	15.1			MLv	1.0	15128727	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.20	304.1	Lg	06:58:43.331	-0.3					T__						15128728	FDSN	SK	--	BUD	iLoc	HHN	???	_	
PSZ	0.71	130.3	Lg	06:59:02.581	-0.2					T__						15128729	FDSN	GE	--	BUD	iLoc	BHN	???	_	
MODS	1.20	270.2	Sn	06:59:17.469	0.0					T__						15128730	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
2018/09/21	10:00:26.83	0.50	0.62	48.1451	16.8062	4.6	1.7	99	0.0F	0.0	11	2	0.56	1.73	a	sx	VIE	15110174	ISC			360
2018/09/21	10:00:25.20	0.98	0.82	48.1835	16.8785	8.9	3.7	150	0.0S	18	10	80	0.33	1.79	m	sx	BUD	15128735	iLoc			143

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.6		VIE	15110174
ml	1.8		VIE	15110174
ML	2.0	0.1	3 BUD	15128735

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
MODS	0.33	54.4	Pg	10:00:31.868	-0.4					T__						15128737	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.33	54.4	Lg	10:00:37.217	-0.4					T__						15128738	FDSN	SK	--	BUD	iLoc	HHN	???	_	
RONA	0.62	219.2	Pg	10:00:37.575	-0.2					T__		0.9	0.10			15128739	FDSN	IR	--	ISC	iLoc	???	???	_	
RONA	0.62	219.2	Lg	10:00:45.865	-1.2					T__		18.1	0.46			15128740	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	0.73	249.8	Pg	10:00:39.995	0.2					T__	2.0	13.5			MLv	2.0	15128741	FDSN	OE	--	BUD	iLoc	BHE	BHZ	_
CONA	0.73	249.8	Lg	10:00:51.541	0.9					T__						15128742	FDSN	OE	--	BUD	iLoc	BHN	???	_	
CONA	0.73	249.8	Pg	10:00:38.889	-0.9					T__		0.6	0.34			15128743	FDSN	IR	--	ISC	iLoc	???	???	_	
CONA	0.73	249.8	Lg	10:00:49.089	-1.5					T__		4.1	0.36			15128744	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 2.0 1)																									
JAVC	0.86	37.6	Pn	10:00:45.300	1.4					T__						15128745	FDSN	IR	--	ISC	iLoc	???	???	_	
KRUC	0.94	340.1	Pn	10:00:44.800	0.1					T__						15128746	FDSN	IR	--	ISC	iLoc	???	???	_	
MPLH	1.11	156.0	Lg	10:01:02.607	-0.9					T__						15128747	FDSN	HU	--	BUD	iLoc	BHN	???	_	
VRAC	1.14	350.6	Pn	10:00:47.900	0.3					T__						15128748	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.31	224.9	Pg	10:00:50.944	0.4					T__		2.4	0.36			15128749	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.31	224.9	Sn	10:01:09.030	0.2					T__		2.4	0.30			15128750	FDSN	IR	--	ISC	iLoc	???	???	_	
ARSA	1.31	224.9	Pg	10:00:51.507	0.9					T__	1.1	9.4			MLv	2.2	15128751	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
(Station ML : 2.2 1)																									
VYHS	1.34	75.9	Pg	10:00:52.028	0.0					T__	1.8	5.1			MLv	2.0	15128752	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.34	75.9	Sn	10:01:09.218	-0.5					T__						15128753	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.0 1)																									
MOA	1.79	260.2	Sn	10:01:20.974	-0.1					T__		2.3	0.36			15128754	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
2018/09/21	10:41:25.21	1.81	0.53	47.2264	18.3368	11.6	7.0	85	0.0S	5	3	188	0.15	1.03	m	kx	BUD	15128794	iLoc			285
2018/09/21	10:41:25.65f	0.61	0.61	47.2302	18.2835f				0.0S	5		172	0.13	1.04	m	kx	BUD_GT	15135940	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	10:41:28.973	0.0					T__						15138535	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:41:31.362	-0.3					T__						15138536	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:41:36.901	0.6					T__						15138537	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:41:44.553	0.3					T__						15138538	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Lg	10:42:01.068	-1.1					T__						15138539	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
2018/09/21	11:26:53.57	1.11	0.78	48.2411	21.2257	6.3	4.1	171	0.0S		14	9	153	0.06	1.32	m	kx BUD	15128801	iLoc			199
2018/09/21	11:26:53.77f		0.74	48.2470	21.2460f				0.0S		14		153	0.05	1.33	m	kx BUD_GT	15137166	BUD			198

(GT info : GT2 explosion)

(locality : Tállya Hungary)

(description : known quarry blast)

Magnitude Err Nsta Author OrigID

M 2.4 5 BUD 15137166

Sta	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	11:26:55.089	-0.2					T__						15138540	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	11:26:55.892	-0.9					T__						15138541	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Pg	11:27:04.982	-0.0					T__						15138542	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	11:27:13.012	-0.5					T__						15138543	FDSN	SK	--	BUD	BUD	EHE	???	_
HOLU	0.81	69.3	Pg	11:27:10.247	0.9					T__						15138544	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	11:27:11.089	0.3					T__						15138545	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	11:27:24.295	-1.4					T__						15138546	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Pn	11:27:13.292	-0.7					T__						15138547	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	11:27:27.643	-1.4					T__						15138548	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	11:27:13.725	-0.6					T__						15138549	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	11:27:27.875	-0.1					T__						15138550	FDSN	SK	--	BUD	BUD	HHE	???	_
MUKU	0.98	77.3	Pg	11:27:13.195	0.5					T__						15138551	FDSN	UA	--	BUD	BUD	MHZ	???	_
BRIU	1.19	85.0	Pn	11:27:18.011	0.6					T__						15138552	FDSN	UA	--	BUD	BUD	MHZ	???	_
NIE	1.33	332.6	Sn	11:27:40.004	0.7					T__						15138553	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
2018/09/21	11:39:12.57	1.19	0.65	48.2416	21.2388	7.0	4.8	147	0.0S		10	6	153	0.05	0.98	m	kx BUD	15128817	iLoc			199
2018/09/21	11:39:13.12f		0.81	48.2470	21.2460f				0.0S		10		153	0.05	0.97	m	kx BUD_GT	15137169	BUD			198

(description : known quarry blast)

(locality : Komló-II Hungary)

(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

M 2.5 4 BUD 15137169

Sta	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	11:39:14.723	0.0	T__	---	15138554	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	11:39:15.559	-0.6	T__	---	15138555	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Pg	11:39:24.572	0.2	T__	---	15138556	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	11:39:31.309	-1.6	T__	---	15138557	FDSN	SK	--	BUD	BUD	EHN	???	_
HOLU	0.81	69.3	Pn	11:39:30.163	-1.1	T__	---	15138558	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Lg	11:39:44.469	-0.5	T__	---	15138559	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	0.96	250.6	Pn	11:39:32.877	-0.5	T__	---	15138560	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	11:39:47.457	-0.9	T__	---	15138561	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	11:39:33.544	-0.1	T__	---	15138562	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Sn	11:39:49.011	-1.0	T__	---	15138563	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
 2018/09/24 08:10:04.53 1.10 0.39 48.6038 20.7280 7.1 4.0 153 0.0S 13 7 114 0.20 1.26 m kx BUD 15128829 iLoc 152
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15128829

Sta	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	233.2	Pg	08:10:09.033	0.3					T__						15128831	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	233.2	Lg	08:10:11.462	-0.6					T__						15128832	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	233.2	Lg	08:10:12.600	0.6					T__		1.2				15128833	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.46	131.9	Lg	08:10:21.465	-0.2					T__						15128834	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.57	58.1	Pg	08:10:16.044	0.6					T__						15128835	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.57	58.1	Lg	08:10:24.413	-0.5					T__						15128836	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.88	219.4	Pg	08:10:23.301	0.2					T__						15128837	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	219.4	Lg	08:10:36.762	-0.1					T__						15128838	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.00	303.8	Pn	08:10:24.839	-0.2					T__						15128839	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.00	303.8	Lg	08:10:38.710	0.0					T__						15128840	FDSN	SK	--	BUD	iLoc	EHN	???	_
KOLS	1.07	71.5	Lg	08:10:42.002	-0.2					T__						15128841	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.26	265.7	Pg	08:10:29.677	0.0					T__						15128842	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	265.7	Sn	08:10:47.665	0.0					T__						15128843	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
 2018/09/25 08:38:51.96 1.04 0.82 48.5183 20.7976 5.8 4.0 174 0.0S 15 7 98 0.21 1.30 m kx BUD 15128844 iLoc 176
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15128844

Sta	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	260.5	Pg	08:38:56.415	0.0					T__						15128846	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	260.5	Lg	08:38:59.168	-0.6					T__						15128847	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	260.5	Lg	08:39:00.400	0.6					T__		2.2				15128848	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.37	126.9	Pg	08:38:59.172	-0.4					T__						15128849	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	0.37	126.9	Lg	08:39:05.921	-0.1					T__						15128850	FDSN	HU	--	BUD	iLoc	HHN	???	_

ABAH	0.37	126.9	Lg	08:39:06.900	0.9	T__	0.1	---	15128851	FDSN	IR	--	ISC	iLoc	???	???	_
CRVS	0.58	48.6	Pg	08:39:03.290	0.1	T__		---	15128852	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	48.6	Lg	08:39:11.466	-1.4	T__		---	15128853	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	0.85	225.5	Sn	08:39:24.100	-1.1	T__		---	15128854	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.85	225.5	Lg	08:39:23.190	0.0	T__		---	15128855	FDSN	GE	--	BUD	iLoc	BHZ	???	_
NIE	0.96	340.7	Pn	08:39:13.305	1.3	T__		---	15128856	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.96	340.7	Lg	08:39:23.556	-0.2	T__		---	15128857	FDSN	PL	--	BUD	iLoc	BHE	???	_
A336A	1.23	257.3	Pg	08:39:16.447	-0.2	T__		---	15128858	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.23	257.3	Sn	08:39:33.342	-0.8	T__		---	15128859	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.30	269.7	Sn	08:39:35.179	-1.0	T__		---	15128860	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
2018/09/25	09:27:05.05	1.38	0.40	47.9049	19.4385	6.0	4.5	179	0.0S		13	9	126	0.29	1.20	m	kx	BUD	15128861	iLoc		247
2018/09/25	09:27:05.27f		0.59	47.8920	19.4049f				0.0S		13		127	0.26	1.18	m	kx	BUD_GT	15137172	BUD		244
(description : known quarry blast)																						
(locality : Bercel Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	6	BUD	15137172

Sta	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	09:27:11.080	0.1					T__						15138564	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.26	259.9	Lg	09:27:16.325	0.9					T__						15138565	FDSN	Z3	00	BUD	BUD	HHZ	???	_
PSZ	0.33	85.2	Pg	09:27:12.266	-0.5					T__						15138566	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.33	85.2	Lg	09:27:17.148	-1.3					T__						15138567	FDSN	GE	--	BUD	BUD	BHN	???	_
A336A	0.44	321.6	Pg	09:27:14.348	0.1					T__						15138568	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.44	321.6	Lg	09:27:20.344	-0.5					T__						15138569	FDSN	Z3	00	BUD	BUD	HH3	???	_
BUD	0.48	212.3	Lg	09:27:23.553	0.1					T__						15138570	FDSN	HU	--	BUD	BUD	BHZ	???	_
VYHS	0.71	327.9	Pg	09:27:19.519	-0.1					T__						15138571	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.71	327.9	Lg	09:27:29.577	-0.7					T__						15138572	FDSN	SK	--	BUD	BUD	HHN	???	_
A269A	0.73	250.2	Lg	09:27:31.513	0.3					T__						15138573	FDSN	Z3	00	BUD	BUD	HHN	???	_
A335A	0.91	308.2	Lg	09:27:36.869	0.1					T__						15138574	FDSN	Z3	00	BUD	BUD	HHN	???	_
A337A	1.14	288.6	Pg	09:27:28.763	0.6					T__						15138575	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A339A	1.18	267.6	Pg	09:27:29.698	0.7					T__						15138576	FDSN	Z3	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
2018/09/25	10:29:02.43	1.08	0.95	47.9252	19.8278	8.3	3.7	3	0.0S		13	7	107	0.05	1.89	m	sx	BUD	15128876	iLoc		163
(description : suspected quarry blast)																						
(locality : Gyöngyössolymos-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	5	BUD	15128876

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.05	98.6	Pg	10:29:03.552	-0.6					T__						15128878	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.05	98.6	Lg	10:29:04.743	-0.9					T__						15128879	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.05	98.6	Lg	10:29:05.400	-0.2					T__		4.0				15128880	FDSN	IR	--	ISC	iLoc	???	???	_

A270A	0.55	261.9	Pg	10:29:13.021	-0.9	T__	---	15128881	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.55	261.9	Lg	10:29:23.169	0.7	T__	---	15128882	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.64	299.3	Pg	10:29:14.889	-0.5	T__	---	15128883	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.64	299.3	Lg	10:29:23.794	-1.0	T__	---	15128884	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KECS	0.71	38.0	Lg	10:29:28.811	1.3	T__	---	15128885	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	0.87	311.0	Pn	10:29:21.278	0.3	T__	---	15128886	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.87	311.0	Lg	10:29:32.521	-0.4	T__	---	15128887	FDSN	SK	--	BUD	iLoc	HHN	???	_
ABAH	1.02	68.1	Pg	10:29:22.486	0.0	T__	---	15128888	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.02	68.1	Lg	10:29:37.959	-1.2	T__	---	15128889	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.89	205.7	Sn	10:30:01.624	1.4	T__	---	15128890	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
 2018/09/25 11:00:26.04 0.97 0.88 48.8488 20.9401 4.6 4.4 119 0.0S 19 10 109 0.35 1.91 m kx BUD 15128891 iLoc 133
 (locality : Jaklovce Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 2.1 7 BUD 15128891

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
CRVS	0.35	81.0	Pg	11:00:33.132	0.3					T__						15128893	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.35	81.0	Lg	11:00:38.084	-0.7					T__						15128894	FDSN	SK	--	BUD	iLoc	HHE	???	_
KECS	0.47	219.6	Pg	11:00:35.949	0.4					T__						15128895	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.47	219.6	Lg	11:00:42.986	0.2					T__						15128896	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.59	160.1	Pg	11:00:38.294	0.5					T__						15128897	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.59	160.1	Lg	11:00:47.694	0.1					T__						15128898	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	0.59	160.1	Lg	11:00:48.000	0.4					T__		0.1				15128899	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.70	324.4	Pg	11:00:39.989	0.7					T__						15128900	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.70	324.4	Lg	11:00:49.695	0.2					T__						15128901	FDSN	PL	--	BUD	iLoc	BHN	???	_
KOLS	0.88	84.0	Pn	11:00:44.835	-0.5					T__						15128902	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.88	84.0	Lg	11:00:57.827	0.7					T__						15128903	FDSN	SK	--	BUD	iLoc	HHE	???	_
PSZ	1.16	217.2	Pn	11:00:49.653	0.6					T__						15128904	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.16	217.2	Sn	11:01:05.927	-1.4					T__						15128905	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.43	245.2	Sn	11:01:11.942	-1.4					T__						15128906	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.44	256.5	Pg	11:00:54.503	-0.1					T__						15128907	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.44	256.5	Sn	11:01:12.740	-1.1					T__						15128908	FDSN	SK	--	BUD	iLoc	HHN	???	_
OJC	1.56	332.0	Pn	11:00:55.779	0.9					T__						15128909	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.56	332.0	Sn	11:01:16.447	-1.5					T__						15128910	FDSN	PL	--	BUD	iLoc	BHE	???	_
A338A	1.91	245.1	Pn	11:01:00.270	1.0					T__						15128911	FDSN	Z3	00	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
 2018/09/25 13:14:55.09 0.29 0.75 48.4263 17.1972 2.7 1.3 111 0.0F 0.0 23 2 0.94 2.04 a sx VIE 15110222 ISC 360
 2018/09/25 13:14:53.92 0.93 0.76 48.4087 17.2683 3.4 3.1 113 0.0S 34 18 68 0.04 2.09 m kx BUD 15128922 iLoc 84
 (locality : Rohoznik Slovakia)
 (description : known quarry blast)
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude Err Nsta Author OrigID

mb	1.7	VIE	15110222
ml	2.0	VIE	15110222
M	2.1	8 BUD	15128922

Sta	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	170.8	Pg	13:14:55.307	-0.0					T__						15128924	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.04	170.8	Lg	13:14:56.341	-0.2					T__						15128925	FDSN	SK	--	BUD	iLoc	HHE	???	_
A333A	0.33	340.5	Pg	13:14:59.855	-0.8					T__						15128926	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	0.33	340.5	Lg	13:15:04.922	-0.7					T__						15128927	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	0.52	30.5	Pg	13:15:05.100	0.4					T__						15128928	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.55	305.7	Pg	13:15:06.413	1.5					T__						15128929	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.55	305.7	Lg	13:15:13.039	-0.0					T__						15128930	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A335A	0.71	86.5	Pg	13:15:08.016	-0.2					T__						15128931	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.71	86.5	Lg	13:15:18.419	-0.3					T__						15128932	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SOP	0.87	213.5	Pn	13:15:12.912	0.4					T__						15128933	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.87	213.5	Lg	13:15:23.742	-0.2					T__						15128934	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	0.87	318.8	Pg	13:15:10.900	0.4					T__						15128935	FDSN	IR	--	ISC	iLoc	???	???	_
A332A	0.89	63.0	Pg	13:15:11.340	-0.2					T__						15128936	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
RONA	0.96	222.9	Pn	13:15:13.834	-0.1					T__		3.7	0.18			15128937	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.96	222.9	Lg	13:15:26.898	-0.4					T__		8.5	0.50			15128938	FDSN	IR	--	ISC	iLoc	???	???	_
A331A	0.97	40.0	Pn	13:15:14.454	0.4					T__						15128939	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VRAC	1.00	333.9	Pg	13:15:13.200	0.4					T__						15128940	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.00	333.9	Lg	13:15:27.300	0.5					T__						15128941	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.05	84.7	Pg	13:15:14.303	-0.5					T__						15128942	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.05	84.7	Lg	13:15:29.356	-0.8					T__						15128943	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	1.06	243.5	Pg	13:15:14.119	-0.8					T__						15128944	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.06	243.5	Lg	13:15:30.026	-0.5					T__						15128945	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.06	243.5	Pg	13:15:14.449	-0.4					T__		2.0	0.42			15128946	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.06	243.5	Lg	13:15:28.843	-1.7					T__		12.3	0.70			15128947	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	1.07	155.5	Sn	13:15:31.780	-0.1					T__						15128948	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.25	171.5	Pg	13:15:21.002	2.2					T__						15128949	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.25	171.5	Lg	13:15:36.225	-0.4					T__						15128950	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORC	1.38	7.4	Pn	13:15:19.500	-0.3					T__						15128951	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.65	226.1	Pg	13:15:24.678	-1.3					T__		3.3	0.50			15128952	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.65	226.1	Sn	13:15:46.271	0.4					T__		7.4	0.74			15128953	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.65	226.1	Pn	13:15:24.023	0.7					T__						15128954	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.65	226.1	Lg	13:15:48.401	-0.4					T__						15128955	FDSN	OE	--	BUD	iLoc	BHZ	???	_
MOA	2.09	255.6	Pn	13:15:29.723	0.2					T__		0.7	0.24			15128956	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.09	255.6	Sn	13:15:57.311	0.2					T__		1.9	0.30			15128957	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
2018/09/26	08:15:18.39	1.89	1.08	47.9796	20.3105	13.0	6.2	157	0.0S		7	6	195	0.29	2.82	m	kx BUD	15128912	iLoc			244
(locality : Egerbakta Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.2	1	BUD	15128912

Sta	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	0.29	257.8	Pg	08:15:25.128	0.2					T__						15128914	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.29	257.8	Lg	08:15:29.317	-0.7					T__						15128915	FDSN	GE	--	BUD	iLoc	BHN	???	_

KECS	0.52	13.0	Lg	08:15:36.346	-0.5	T__	---	15128916	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.70	62.7	Lg	08:15:43.235	-0.8	T__	---	15128917	FDSN	HU	--	BUD	iLoc	HHN	???	_
VYHS	1.11	298.1	Lg	08:15:56.115	-0.9	T__	---	15128918	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORC	2.56	315.6	Pg	08:16:18.800	10.9	---	---	15128919	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	2.80	299.7	Pg	08:16:12.900	0.2	T__	---	15128920	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	2.82	294.0	Pg	08:16:14.900	1.6	T__	---	15128921	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
2018/09/26	08:55:54.89	0.49	0.76	48.5026	17.5219	4.2	2.0	122	0.0F	0.0	8	2	1.15	1.25	a	sx	VIE	15110266	ISC			360
2018/09/26	08:55:53.92	1.14	0.72	48.5317	17.4515	5.8	3.4	144	0.0S		18	9	142	0.17	1.22	m	kx	BUD	15128958	iLoc		182
(description : known quarry blast)																						
(locality : Bukova Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15110266
m1	1.6		VIE	15110266
M	1.7	5	BUD	15128958

Sta	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	0.17	63.8	Pg	08:55:57.721	0.1					T__						15128960	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.20	216.3	Pg	08:55:58.097	-0.3					T__						15128961	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.20	216.3	Lg	08:56:01.568	-0.3					T__						15128962	FDSN	SK	--	BUD	iLoc	HHE	???	_
JAVC	0.36	23.8	Pg	08:56:01.735	0.2					T__						15128963	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.36	23.8	Lg	08:56:07.662	0.5					T__						15128964	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.36	23.8	Pg	08:56:01.200	-0.3					T__						15128965	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.36	23.8	Lg	08:56:07.500	0.3					T__						15128966	FDSN	IR	--	ISC	iLoc	???	???	_
A337A	0.37	141.8	Lg	08:56:08.515	1.3					T__						15128967	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	0.59	97.9	Pg	08:56:06.904	1.0					T__						15128968	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.59	97.9	Lg	08:56:13.712	-1.0					T__						15128969	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.92	91.8	Pg	08:56:12.510	0.2					T__						15128970	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.92	91.8	Sn	08:56:27.605	-0.5					T__						15128971	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.07	105.6	Lg	08:56:29.447	-1.6					T__						15128972	FDSN	Z3	00	BUD	iLoc	HH2	???	_
RONA	1.14	223.3	Pg	08:56:17.027	0.5					T__		2.0	0.38			15128973	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.14	223.3	Sn	08:56:33.868	0.3					T__		4.2	0.52			15128974	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.22	241.0	Pg	08:56:18.134	0.0					T__						15128975	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.22	241.0	Sn	08:56:36.083	0.2					T__						15128976	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.22	241.0	Lg	08:56:35.436	-0.3					T__		2.8	0.54			15128977	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	4.82	195.2	Pn	08:57:17.010	8.4					---						15128978	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	4.82	195.2	Sn	08:57:26.320	-37.9					---						15128979	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	
2018/09/26	08:58:22.54	1.06	1.04	47.5812	18.4608	5.2	4.3	135	0.0S		15	11	78	0.08	1.37	m	kx	BUD	15128980	iLoc			104
2018/09/26	08:58:22.43f		1.10	47.5600	18.4573f				0.0S		15		77	0.09	1.35	m	kx	BUD_GT	15137175	BUD			105
(GT info : GT2 explosion)																							
(description : known quarry blast)																							
(locality : Tatabánya Hungary)																							

Magnitude	Err	Nsta	Author	OrigID
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M 2.0 6 BUD 15137175

Sta	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	08:58:24.725	-0.1					T__						15138577	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A269A	0.09	327.2	Lg	08:58:26.554	-0.3					T__						15138578	FDSN	Z3	00	BUD	BUD	HHE	???	_
CSKK	0.24	214.2	Pg	08:58:27.046	-0.7					T__						15138579	FDSN	HU	--	BUD	BUD	HHZ	???	_
BUD	0.39	101.0	Lg	08:58:36.256	-1.3					T__						15138580	FDSN	HU	--	BUD	BUD	BHN	???	_
A270A	0.47	52.8	Pg	08:58:32.630	0.2					T__						15138581	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.47	52.8	Lg	08:58:38.987	-1.0					T__						15138582	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.74	238.3	Pg	08:58:38.125	0.7					T__						15138584	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.74	238.3	Lg	08:58:48.477	0.0					T__						15138585	FDSN	HU	--	BUD	BUD	BHE	???	_
A336A	0.77	28.2	Lg	08:58:46.580	-2.8					T__						15138583	FDSN	Z3	00	BUD	BUD	HH2	???	_
VYHS	0.97	15.1	Pn	08:58:42.592	0.3					T__						15138586	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.97	15.1	Lg	08:58:55.852	-0.4					T__						15138587	FDSN	SK	--	BUD	BUD	HHN	???	_
PSZ	1.03	69.2	Lg	08:58:59.245	-0.5					T__						15138588	FDSN	GE	--	BUD	BUD	BHN	???	_
A266A	1.04	187.3	Pg	08:58:45.038	1.7					T__						15138589	FDSN	Z3	00	BUD	BUD	HHZ	???	_
MODS	1.14	316.2	Lg	08:59:00.110	-1.7					T__						15138590	FDSN	SK	--	BUD	BUD	HHN	???	_
MORH	1.35	174.5	Lg	08:59:08.281	-0.7					T__						15138591	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
2018/09/26	10:01:13.05	0.91	0.75	48.1561	16.9057	8.1	2.6	101	0.0F	0.0	11	2	0.61	2.63	a	sx	VIE	15110287	ISC			360
2018/09/26	10:01:12.26	1.01	0.81	48.1197	16.9867	6.0	3.7	133	0.0S	18	10	100	0.32	2.68	m	sx	BUD	15128997	iLoc			155

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15110287
m1	1.6		VIE	15110287
M	2.0	4	BUD	15128997

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.32	37.3	Pg	10:01:19.215	0.0					T__						15128999	FDSN	SK	--	BUD	iLoc	HHE	???	_
MODS	0.32	37.3	Lg	10:01:23.682	-0.7					T__						15129000	FDSN	SK	--	BUD	iLoc	HHE	???	_
A002B	0.36	313.0	Lg	10:01:24.902	-0.2					T__						15129001	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A003A	0.36	172.9	Lg	10:01:26.013	0.2					T__						15129002	FDSN	Z3	00	BUD	iLoc	HH3	???	_
RONA	0.63	228.1	Pg	10:01:24.894	-0.0					T__		0.6	0.12			15129003	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.63	228.1	Lg	10:01:33.001	-1.3					T__		11.6	0.54			15129004	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.78	256.2	Pg	10:01:27.771	-0.0					T__		0.4	0.20			15129005	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.78	256.2	Lg	10:01:38.160	-1.2					T__		3.3	0.40			15129006	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.87	31.3	Pn	10:01:32.014	0.9					T__						15129007	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.22	347.8	Pg	10:01:35.100	-0.0					T__						15129008	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.22	347.8	Pg	10:01:35.215	0.1					T__						15129009	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.22	347.8	Lg	10:01:52.187	0.1					T__						15129010	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	1.29	72.4	Pg	10:01:38.031	0.0					T__						15129011	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	72.4	Sn	10:01:54.514	-1.0					T__						15129012	FDSN	SK	--	BUD	iLoc	HHN	???	_
ARSA	1.32	229.2	Sn	10:01:54.687	-1.5					T__		2.8	0.60			15129013	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.32	229.2	Pg	10:01:38.750	0.9					T__						15129014	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.32	229.2	Sn	10:01:55.850	-0.3					T__						15129015	FDSN	OE	--	BUD	iLoc	BHE	???	_
KBA	2.68	248.4	Sn	10:02:31.577	1.1					T__		1.1	0.48			15129016	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
 2018/09/27 06:24:43.58 2.03 0.91 47.3301 18.3601 20.5 9.8 46 0.0S 5 3 233 0.08 1.13 m kx BUD 15129017 iLoc 318
 (description : known quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 MLv 2.2 1.0 2 BUD 15129017

Sta	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	296.2	Pg	06:24:45.869	0.1					T__	25.7	1758.0		---	MLv	2.8	15129019	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	296.2	Lg	06:24:47.115	-0.5					T__				---		15129020	FDSN	HU	--	BUD	iLoc	HHN	???	_	
MPLH	0.58	254.3	Lg	06:25:04.703	0.2					T__				---		15129021	FDSN	HU	--	BUD	iLoc	BHN	???	_	
MORH	1.13	170.0	Pn	06:25:06.158	0.6					T__	1.4	2.1		---	MLv	1.4	15129022	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.13	170.0	Sn	06:25:21.911	-1.0					T__				---		15129023	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
 2018/09/27 06:40:52.24 3.83 1.58 47.3386 18.5310 27.0 11.3 126 0.0S 5 3 287 0.19 1.03 m kx BUD 15129032 iLoc 341
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID

Sta	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	0.19	277.7	Pg	06:40:57.142	0.6					T__				---		15129034	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.19	277.7	Lg	06:40:58.769	-1.2					T__				---		15129035	FDSN	HU	--	BUD	iLoc	HHN	???	_
A338A	0.69	350.0	Lg	06:41:15.276	-1.4					T__				---		15129036	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A337A	1.03	331.4	Pn	06:41:12.862	-0.1					T__				---		15129037	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	1.03	331.4	Lg	06:41:29.415	1.1					T__				---		15129038	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
 2018/09/27 08:26:59.01 1.06 1.07 48.5357 20.7290 7.3 4.1 171 0.0S 13 7 97 0.17 1.26 m sx BUD 15129039 iLoc 159
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 2.0 7 BUD 15129039

Sta	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	252.1	Pg	08:27:02.452	-0.2					T__				---		15129041	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.17	252.1	Lg	08:27:06.534	1.1					T__				---		15129042	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.42	125.0	Pg	08:27:08.087	0.6					T__				---		15129043	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.42	125.0	Lg	08:27:14.039	-0.7					T__				---		15129044	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.83	222.4	Pn	08:27:17.421	0.1					T__				---		15129045	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.83	222.4	Lg	08:27:29.262	-0.3					T__				---		15129046	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.93	342.9	Pg	08:27:16.791	0.4					T__				---		15129047	FDSN	PL	--	BUD	iLoc	BHZ	???	_
KOLS	1.10	68.2	Pn	08:27:22.808	1.6					T__				---		15129048	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOLS	1.10	68.2	Lg	08:27:35.382	-2.2					T__				---		15129049	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.19	255.9	Pg	08:27:23.156	0.3					T__				---		15129050	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A336A	1.19	255.9	Lg	08:27:40.390	-0.0	T__	---	15129051	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.26	268.8	Pn	08:27:23.186	0.1	T__	---	15129052	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	268.8	Sn	08:27:40.569	-1.5	T__	---	15129053	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
2018/09/27	09:59:25.79	2.05	1.11	46.1461	18.0771	14.5	5.3	142	0.0S	8	4	221	0.06	0.73	m	kx	BUD	15129054	iLoc			306
2018/09/27	09:59:25.88f		1.03	46.1254	18.0152f				0.0S	8		224	0.07	0.70	m	kx	BUD_GT	15135969	BUD			268

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

Magnitude	Err	Nsta	Author	OrigID
M	1.0	4	BUD	15135969

Sta	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	09:59:27.869	-0.1					T__						15138592	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.07	122.2	Lg	09:59:29.531	-0.2					T__						15138593	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Pg	09:59:32.323	0.9					T__						15138594	FDSN	Z3	--	BUD	BUD	HHZ	???	_
A273A	0.25	213.6	Lg	09:59:37.178	1.5					T__						15138595	FDSN	Z3	--	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pg	09:59:33.478	-1.8					T__						15138596	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Lg	09:59:42.133	-0.4					T__						15138597	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Pg	09:59:41.157	1.0					T__						15138598	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.70	189.7	Lg	09:59:49.946	-0.9					T__						15138599	FDSN	Z3	--	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
2018/09/28	09:03:23.11	1.79	0.92	45.8086	18.4299	12.8	5.5	119	0.0S	6	3	207	0.36	0.55	m	kx	BUD	15129073	iLoc			300
2018/09/28	09:03:23.67f		1.07	45.8525	18.3977f				0.0S	6		197	0.31	0.57	m	kx	BUD_GT	15137178	BUD			293

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

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.3	3 BUD	15129073
ML	0.9	0.3	3 BUD	15137178

Sta	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	09:03:31.233	0.7					T__		3.8			MLv	15138600	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.31	318.7	Lg	09:03:36.996	1.0					T__						15138601	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.40	25.2	Pg	09:03:32.605	0.4					T__		1.5			MLv	15138602	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.40	25.2	Lg	09:03:38.849	0.0					T__						15138603	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.57	222.9	Pg	09:03:35.246	-0.1					T__		5.3			MLv	15138604	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.57	222.9	Lg	09:03:41.925	-2.3					T__						15138605	FDSN	Z3	--	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	
2018/09/28	09:57:24.64	1.25	0.69	45.6212	17.3445	5.7	4.3	12	8.7F	9.3	17	10	91	0.40	1.34	m	ke	BUD	15129094	iLoc			161

Magnitude Err Nsta Author OrigID
M 2.1 7 BUD 15129094

Sta	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	0.40	117.5	Pg	09:57:32.880	-0.1					T__						15129096	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.40	117.5	Lg	09:57:38.716	-0.6					T__						15129097	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A273A	0.44	48.0	Lg	09:57:40.301	-0.4					T__						15129098	FDSN	Z3	--	BUD	iLoc	HHN	???	_
KOVH	0.70	48.2	Pg	09:57:39.051	0.1					T__						15129099	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.70	48.2	Sn	09:57:51.394	-0.6					T__						15129100	FDSN	HU	--	BUD	iLoc	BHE	???	_
BLY	0.84	187.9	Pn	09:57:42.844	0.9					T__						15129101	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.84	187.9	Sn	09:57:55.405	0.1					T__						15129102	FDSN	MN	--	BUD	iLoc	BHN	???	_
A265A	0.86	21.2	Pn	09:57:42.037	-0.1					T__						15129103	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BEHE	0.94	335.2	Pg	09:57:44.537	1.1					T__						15129104	FDSN	HU	--	BUD	iLoc	BHZ	???	_
PTJ	1.00	287.0	Pg	09:57:44.284	-0.1					T__						15129105	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	1.00	287.0	Lg	09:57:57.366	-1.3					T__						15129106	FDSN	CR	--	BUD	iLoc	BHE	???	_
MORH	1.08	56.3	Pg	09:57:46.264	0.0					T__						15129107	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.08	56.3	Lg	09:58:01.834	0.5					T__						15129108	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	1.12	317.7	Pg	09:57:46.484	-0.3					T__						15129109	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	1.12	317.7	Lg	09:58:02.603	0.2					T__						15129110	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	1.34	279.5	Pn	09:57:49.517	0.6					T__						15129111	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.34	279.5	Sn	09:58:06.977	-0.9					T__						15129112	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
2018/09/29 09:22:01.12 1.66 1.22 45.9884 18.3716 11.0 6.5 148 0.0S 5 3 174 0.21 0.66 m sx BUD 15129113 iLoc 275
(locality : Nagyharsány Hungary)
(description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
MLv 1.0 0.5 2 BUD 15129113

Sta	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	0.21	297.9	Pg	09:22:06.547	0.5					T__	13.3	29.8		MLv	1.4	15129115	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
KOVH	0.21	297.9	Lg	09:22:09.397	-0.6					T__						15129116	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.30	39.7	Pg	09:22:08.360	0.8					T__	5.8	3.6		MLv	0.7	15129117	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.30	39.7	Lg	09:22:11.486	-1.2					T__						15129118	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.66	213.7	Lg	09:22:24.283	-0.6					T__						15129119	FDSN	Z3	--	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
2018/09/30 16:33:16.20 0.14 0.21 47.9202 16.3297 2.0 1.3 42 8.3F 1.0 18 124 0.06 1.40 a ke IPEC 15110315 ISC 360
2018/09/30 16:33:17.30 47.9400 16.3000 0.0A 15 a ke PRU 15110318 ISC 360
2018/09/30 16:33:15.91 0.31 0.34 47.8949 16.3200 1.8 1.3 87 10.9F 3.1 30 2 0.20 1.38 a ke VIE 15110311 ISC 360
2018/09/30 16:33:15.73 1.00 0.75 47.9043 16.3233 3.7 3.3 135 8.2F 5.3 41 21 66 0.08 2.20 m ke BUD 15129128 iLoc 104
(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude Err Nsta Author OrigID
ML 1.2 IPEC 15110315
mb 1.4 VIE 15110311
ml 1.6 VIE 15110311

M 1.7 8 BUD 15129128

Sta	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	0.08	40.1	Pg	16:33:17.138	-0.8					T__						15129130	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A004A	0.08	40.1	Lg	16:33:18.760	-0.9					T__						15129131	FDSN	Z3	00	BUD	iLoc	HHE	???	_
RONA	0.21	185.1	Pg	16:33:20.104	-0.2					T__		5.7	0.06	---		15129132	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.21	185.1	Lg	16:33:22.788	-1.0					T__		46.9	0.12	---		15129133	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.27	144.3	Pg	16:33:21.403	-0.1					T__				---		15129134	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.27	144.3	Lg	16:33:24.857	-0.9					T__				---		15129135	FDSN	HU	--	BUD	iLoc	BHN	???	_
CONA	0.31	274.6	Pg	16:33:22.729	0.4					T__				---		15129136	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.31	274.6	Lg	16:33:26.841	-0.4					T__				---		15129137	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.31	274.6	Lg	16:33:27.059	-0.2					T__		3.7	0.14	---		15129138	FDSN	IR	--	ISC	iLoc	???	???	_
A005B	0.47	350.5	Lg	16:33:33.520	1.5					T__				---		15129139	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A003A	0.51	106.2	Pg	16:33:26.412	0.2					T__				---		15129140	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.51	106.2	Lg	16:33:33.582	-0.2					T__				---		15129141	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.55	206.6	Lg	16:33:33.901	-1.1					T__				---		15129142	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A012A	0.58	239.1	Pg	16:33:27.561	0.1					T__				---		15129143	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	0.58	239.1	Lg	16:33:35.643	-0.7					T__				---		15129144	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A013A	0.64	284.8	Pg	16:33:28.622	0.4					T__				---		15129145	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.64	284.8	Lg	16:33:37.253	-0.2					T__				---		15129146	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A008A	0.65	316.2	Lg	16:33:36.972	-0.6					T__				---		15129147	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A001A	0.84	12.1	Lg	16:33:43.708	-0.3					T__				---		15129148	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ARSA	0.85	219.9	Pg	16:33:31.933	-0.4					T__		0.2	0.10	---		15129149	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.85	219.9	Pg	16:33:32.559	0.3					T__				---		15129150	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.85	219.9	Lg	16:33:43.652	-0.6					T__				---		15129151	FDSN	OE	--	BUD	iLoc	BHE	???	_
A018A	0.85	259.6	Lg	16:33:44.670	0.1					T__				---		15129152	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A019A	0.95	241.7	Lg	16:33:47.186	-0.8					T__				---		15129153	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KRUC	1.16	2.3	Lg	16:33:52.200	-1.3					T__		2.9	0.17	---		15129154	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	1.16	2.3	Pn	16:33:37.756	0.6					T__				---		15129155	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.16	2.3	Lg	16:33:53.064	-0.4					T__				---		15129156	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MOA	1.39	268.5	Pg	16:33:42.118	-0.5					T__		0.1	0.12	---		15129157	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.39	268.5	Sn	16:34:00.586	0.7					T__		1.2	0.20	---		15129158	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.42	7.2	Sn	16:33:59.900	-0.1					T__		1.5	0.19	---		15129159	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.42	7.2	Pg	16:33:41.689	-0.9					T__				---		15129160	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.42	7.2	Sn	16:34:00.002	0.0					T__				---		15129161	FDSN	CZ	--	BUD	iLoc	BHE	???	_
TREC	1.50	338.6	Lg	16:34:03.500	-0.6					T__				---		15129162	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	1.63	305.1	Pg	16:33:46.099	-0.4					T__				---		15129163	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.63	305.1	Lg	16:34:07.627	-0.5					T__				---		15129164	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.63	305.1	Pg	16:33:46.300	-0.2					T__				---		15129165	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	1.63	305.1	Lg	16:34:07.300	-0.9					T__				---		15129166	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.04	22.8	Pn	16:33:50.700	1.1					T__				---		15129167	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.04	22.8	Sn	16:34:16.500	0.9					T__				---		15129168	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.20	304.9	Pg	16:33:55.500	-1.9					T__				---		15129169	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.20	304.9	Lg	16:34:25.500	-0.7					T__				---		15129170	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
2018/09/30	17:08:26.00	1.30	0.55	47.0534	18.9325	7.6	4.4	112	10.0A		11	7	156	0.33	1.44	m	ke BUD	15129267	iLoc			195

Magnitude	Err	Nsta	Author	OrigID
M	1.8	4	BUD	15129267

Sta	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	0.33	251.0	Lg	17:08:38.823	0.7					T__						15129269	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CSKK	0.55	304.3	Pg	17:08:36.827	-0.4					T__						15129270	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.55	304.3	Lg	17:08:45.232	-0.2					T__						15129271	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	0.86	193.4	Pg	17:08:43.620	0.5					T__						15129272	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.86	193.4	Lg	17:08:54.941	-0.6					T__						15129273	FDSN	HU	--	BUD	iLoc	BHN	???	_
PSZ	1.08	36.7	Pg	17:08:48.320	-0.1					T__						15129274	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.08	36.7	Lg	17:09:03.654	-0.1					T__						15129275	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOVH	1.12	211.1	Pg	17:08:48.299	-0.0					T__						15129276	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.12	211.1	Lg	17:09:03.311	-0.8					T__						15129277	FDSN	HU	--	BUD	iLoc	BHN	???	_
A263A	1.18	250.2	Sn	17:09:04.650	0.2					T__						15129278	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	1.44	357.5	Lg	17:09:14.834	0.6					T__						15129279	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
2018/10/01	01:28:20.40	0.90		45.6460	18.9150	0.1	0.0		6.0F	4.8	11			0.79	1.81	a	ke BEO	15110362	ISC			360
2018/10/01	01:28:15.58	0.96	1.24	45.8136	18.9274	4.4	3.3	38	6.4F	0.5	34	16	101	0.45	2.07	m	ke BUD	15129171	iLoc			162

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		BEO	15110362
M	1.9	6	BUD	15129171

Sta	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	0.45	334.0	Pg	01:28:25.609	0.9					T__						15129173	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.45	334.0	Lg	01:28:31.861	0.2					T__						15129174	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.64	295.7	Pg	01:28:28.955	0.4					T__						15129175	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.64	295.7	Lg	01:28:37.519	-0.8					T__						15129176	FDSN	HU	--	BUD	iLoc	BHN	???	_
A273A	0.78	277.9	Pn	01:28:32.060	0.1					T__						15129177	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.78	277.9	Lg	01:28:43.274	0.4					T__						15129178	FDSN	Z3	--	BUD	iLoc	HHN	???	_
A252A	0.85	243.9	Pg	01:28:32.315	-0.3					T__						15129179	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.85	243.9	Lg	01:28:43.239	-1.7					T__						15129180	FDSN	Z3	--	BUD	iLoc	BHE	???	_
FRGS	0.90	136.3	Pn	01:28:33.900	0.4					T__						15129181	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.90	136.3	Lg	01:28:46.500	0.2					T__						15129182	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.93	136.4	Pn	01:28:34.152	0.2					T__						15129183	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
TEKS	1.33	161.2	Pg	01:28:41.300	0.3					T__						15129184	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.33	161.2	Sn	01:28:57.700	-0.2					T__						15129185	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	1.54	263.3	Pg	01:28:45.690	-0.0					T__						15129186	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	1.54	263.3	Lg	01:29:06.020	-0.9					T__						15129187	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.60	230.8	Pg	01:28:47.124	0.5					T__						15129188	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.60	230.8	Lg	01:29:08.478	0.3					T__						15129189	FDSN	MN	--	BUD	iLoc	BHE	???	_
BLY	1.63	229.8	Pg	01:28:47.000	-0.0					T__						15129190	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.63	229.8	Lg	01:29:07.800	-1.1					T__						15129191	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.66	325.3	Pg	01:28:48.500	0.6					T__						15129192	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.66	325.3	Lg	01:29:09.995	-1.0					T__						15129193	FDSN	HU	--	BUD	iLoc	BHE	???	_
HAPS	1.73	179.4	Pg	01:28:49.500	0.7					T__						15129194	FDSN	IR	--	ISC	iLoc	???	???	_
HAPS	1.73	179.4	Sn	01:29:09.500	1.5					T__						15129195	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	1.75	281.3	Pg	01:28:49.550	-0.4					T__						15129196	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	1.75	281.3	Lg	01:29:12.670	-1.6					T__						15129197	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.87	155.8	Pg	01:28:51.300	0.3					T__						15129198	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.87	155.8	Sn	01:29:13.200	2.0					T__						15129199	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.96	75.7	Pg	01:28:53.282	-0.5					T__						15129200	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.96	75.7	Lg	01:29:19.125	-2.7					T__						15129201	FDSN	RO	--	BUD	iLoc	BHN	???	_

BELS	1.98	169.8	Lg	01:29:18.083	-1.4	T__	---	15129202	FDSN	SJ	--	BUD	iLoc	BHE	???	_
BELS	1.98	169.9	Lg	01:29:18.400	-1.5	T__	---	15129203	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	2.02	280.7	Pg	01:28:56.080	1.2	T__	---	15129204	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	2.02	280.7	Lg	01:29:19.830	-2.6	T__	---	15129205	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	2.07	273.6	Lg	01:29:21.690	-2.7	T__	---	15129206	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
2018/10/01	08:39:08.38	1.07	1.21	48.5951	20.7271	8.4	4.3	152	0.0S	11	8	113	0.20	6.05	m	kx	BUD	15129207	iLoc		164	
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15129207

Sta	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	235.2	Pg	08:39:13.190	0.7					T__						15129209	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.20	235.2	Lg	08:39:15.557	-0.1					T__						15129210	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.45	131.1	Pg	08:39:19.331	1.7					T__						15129211	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.45	131.1	Lg	08:39:23.687	-1.7					T__						15129212	FDSN	HU	--	BUD	iLoc	HHE	???	_
CRVS	0.58	57.4	Pg	08:39:20.120	0.7					T__						15129213	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CRVS	0.58	57.4	Lg	08:39:27.907	-1.0					T__						15129214	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.88	219.7	Lg	08:39:38.816	-1.6					T__						15129215	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.00	304.2	Pn	08:39:29.005	0.0					T__						15129216	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KOLS	1.08	71.1	Lg	08:39:45.162	-1.0					T__						15129217	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.21	253.2	Sn	08:39:49.977	0.1					T__						15129218	FDSN	Z3	00	BUD	iLoc	HH2	???	_
DUGI	6.05	222.6	Pn	08:40:40.110	-0.3					T__						15129219	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	6.05	222.6	Sn	08:41:26.290	-23.7					---						15129220	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
2018/10/02	07:23:41.55	1.31	0.59	48.6261	20.7098	10.4	5.0	179	0.0S	9	6	168	0.21	1.59	m	kx	BUD	15129221	iLoc		228	
(description : known quarry blast)																						
(locality : Drienovec Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	5	BUD	15129221

Sta	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	226.3	Pg	07:23:46.601	0.7					T__						15129223	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	226.3	Lg	07:23:48.877	-0.3					T__						15129224	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.48	132.9	Pg	07:23:52.071	0.7					T__						15129225	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.48	132.9	Lg	07:23:59.002	-0.5					T__						15129226	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.89	217.9	Pn	07:24:00.157	-0.5					T__						15129227	FDSN	GE	--	BUD	iLoc	BHZ	???	_
KOLS	1.08	72.9	Lg	07:24:19.183	-0.2					T__						15129228	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.25	264.6	Pg	07:24:06.884	0.4					T__						15129229	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.25	264.6	Lg	07:24:24.755	-0.1					T__						15129230	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	1.59	264.4	Pn	07:24:09.885	-0.3					T__						15129231	FDSN	Z3	00	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
2018/10/02	08:10:24.21	2.26	1.81	45.6865	18.3876	15.9	7.1	125	0.0S	7	4	218	0.45	0.84	m	kx	BUD	15129232	iLoc			314
2018/10/02	08:10:26.48f	3.26	45.8525	18.3977f					0.0S	7		197	0.31	0.68	m	kx	BUD_GT	15137181	BUD			293

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

Magnitude Err Nsta Author OrigID

Sta	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	08:10:35.154	1.8					T__						15138606	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.31	318.7	Lg	08:10:39.910	1.1					T__						15138607	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.40	25.2	Pg	08:10:36.784	1.7					T__						15138609	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.40	25.2	Lg	08:10:42.900	1.2					T__						15138610	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.57	222.9	Lg	08:10:39.422	-7.6					T__						15138608	FDSN	Z3	--	BUD	BUD	BHE	???	_
A266A	0.68	352.2	Pg	08:10:42.742	2.2					T__						15138611	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A266A	0.68	352.2	Sn	08:10:53.284	-1.6					T__						15138612	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	
2018/10/02	10:00:48.24	0.42	0.29	48.1109	16.8961	4.5	1.8	133	0.0F	0.0	13		22	0.58	1.26	a	kx	VIE	15110405	ISC			360
2018/10/02	10:00:46.65	0.97	0.76	48.1201	16.9607	6.2	3.1	142	0.0S		24	13	154	0.33	1.90	m	kx	BUD	15129241	iLoc			157

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

Magnitude Err Nsta Author OrigID

mb	1.6		VIE	15110405
ml	1.8		VIE	15110405
M	1.9	7	BUD	15129241

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.33	39.8	Pg	10:00:53.185	-0.6					T__						15129243	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.33	39.8	Lg	10:00:57.737	-1.4					T__						15129244	FDSN	SK	--	BUD	iLoc	HHN	???	_
A004A	0.41	247.6	Lg	10:00:59.963	-1.1					T__						15129245	FDSN	Z3	00	BUD	iLoc	HHN	???	_
RONA	0.61	227.0	Pg	10:00:58.945	-0.1					T__		1.5	0.16			15129246	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.61	227.0	Lg	10:01:07.222	-1.0					T__		11.6	0.26			15129247	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.76	255.8	Pg	10:01:02.642	0.8					T__						15129248	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.76	255.8	Lg	10:01:12.195	-1.0					T__						15129249	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.76	255.8	Pg	10:01:01.646	-0.2					T__		0.5	0.14			15129250	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.88	32.3	Pn	10:01:06.900	1.3					T__						15129251	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.98	69.9	Pg	10:01:06.652	0.5					T__						15129252	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.98	69.9	Lg	10:01:20.383	-0.1					T__						15129253	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	1.01	338.5	Pg	10:01:06.383	0.5					T__						15129254	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.01	338.5	Lg	10:01:20.783	0.4					T__						15129255	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A012A	1.06	241.4	Pn	10:01:08.460	0.3					T__						15129256	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	1.06	241.4	Lg	10:01:22.952	-0.4					T__						15129257	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VRAC	1.21	348.6	Pn	10:01:09.778	-0.3					T__						15129258	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.21	348.6	Lg	10:01:25.773	-0.6					T__						15129259	FDSN	CZ	--	BUD	iLoc	BHN	???	_
ARSA	1.30	228.7	Sn	10:01:30.487	0.3					T__		4.5	0.34			15129260	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.30	228.7	Pg	10:01:12.585	0.6					T__						15129261	FDSN	OE	--	BUD	iLoc	BHZ	???	_

ARSA	1.30	228.7	Lg	10:01:30.714	0.0	T__	---	15129262	FDSN	OE	--	BUD	iLoc	BHN	???	_
VYHS	1.31	72.7	Pg	10:01:13.415	0.7	T__	---	15129263	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.31	72.7	Sn	10:01:28.972	-1.3	T__	---	15129264	FDSN	SK	--	BUD	iLoc	HHN	???	_
A019A	1.43	242.6	Lg	10:01:34.643	-0.6	T__	---	15129265	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CKRC	1.90	292.6	Sn	10:01:45.148	0.1	T__	---	15129266	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
2018/10/02	14:50:26.15	0.99	0.83	47.4286	19.5631	5.1	3.9	137	6.2F	0.2	29	19	76	0.37	2.31	m	ke BUD	15129280	iLoc			98

Magnitude	Err	Nsta	Author	OrigID
M	2.2	11	BUD	15129280

Sta	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	0.37	278.8	Lg	14:50:39.557	-0.4					T__						15129282	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	0.54	24.4	Pg	14:50:37.851	0.2					T__						15129283	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.54	24.4	Lg	14:50:45.655	-0.6					T__						15129284	FDSN	GE	--	BUD	iLoc	BHE	???	_
A270A	0.56	318.7	Pg	14:50:38.342	0.8					T__						15129285	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.56	318.7	Lg	14:50:45.808	-0.2					T__						15129286	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.83	285.1	Pn	14:50:44.335	1.4					T__						15129287	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.83	285.1	Lg	14:50:54.202	-0.9					T__						15129288	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	0.88	237.2	Sn	14:50:58.090	0.5					T__						15129289	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	0.89	266.3	Pn	14:50:44.909	1.0					T__						15129290	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.89	266.3	Lg	14:50:57.021	-0.1					T__						15129291	FDSN	HU	--	BUD	iLoc	HHN	???	_
A336A	0.89	334.9	Pn	14:50:44.261	0.4					T__						15129292	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.89	334.9	Lg	14:50:56.242	-0.8					T__						15129293	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A268A	1.11	270.7	Lg	14:51:04.617	0.3					T__						15129294	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	1.17	335.6	Pg	14:50:49.011	-0.5					T__						15129295	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.17	335.6	Sn	14:51:04.349	-0.5					T__						15129296	FDSN	SK	--	BUD	iLoc	HHN	???	_
KECS	1.22	30.1	Sn	14:51:06.908	0.6					T__						15129297	FDSN	SK	--	BUD	iLoc	EHE	???	_
A266A	1.27	225.0	Pg	14:50:50.825	-0.7					T__						15129298	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	1.27	225.0	Sn	14:51:06.949	-0.2					T__						15129299	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	1.31	321.5	Pg	14:50:51.101	-1.3					T__						15129300	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.31	321.5	Sn	14:51:08.076	0.0					T__						15129301	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.37	207.8	Pn	14:50:50.680	0.1					T__						15129302	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.40	260.1	Lg	14:51:13.124	-0.4					T__						15129303	FDSN	HU	--	BUD	iLoc	BHE	???	_
ABAH	1.42	51.8	Pg	14:50:53.056	-0.6					T__						15129304	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.42	51.8	Lg	14:51:14.081	-1.7					T__						15129305	FDSN	HU	--	BUD	iLoc	HHE	???	_
KOVH	1.68	217.4	Pn	14:50:54.637	-0.4					T__						15129306	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MODS	1.81	302.4	Pn	14:50:58.133	1.2					T__						15129307	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.81	302.4	Sn	14:51:19.823	-0.5					T__						15129308	FDSN	SK	--	BUD	iLoc	HHE	???	_
SIRR	1.85	128.1	Pn	14:50:58.178	0.6					T__						15129309	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	2.31	140.9	Pn	14:51:05.292	1.6					T__						15129310	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
2018/10/02	21:56:51.28	0.37	0.76	47.8428	18.6760	5.0	2.4	177	25.6F	4.2	16	16	1.61	1.89	a	ke VIE	15110423		ISC			360
2018/10/02	21:56:51.44	0.96	1.02	47.8307	18.6731	4.1	3.0	127	16.3F	7.3	36	21	94	0.23	1.89	m	ke BUD	15129382	iLoc			102

Magnitude	Err	Nsta	Author	OrigID
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m1 1.7 VIE 15110423
M 1.9 11 BUD 15129382

Sta	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	0.23	86.3	Pg	21:56:57.641	0.5					T__						15129384	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.23	86.3	Lg	21:57:01.589	0.4					T__						15129385	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SR0	0.24	266.0	Pg	21:56:56.843	-0.4					T__						15129386	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SR0	0.24	266.0	Lg	21:57:01.002	-0.3					T__						15129387	FDSN	SK	--	BUD	iLoc	EHN	???	_
A269A	0.27	225.7	Pg	21:56:57.331	-0.4					T__						15129388	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.27	225.7	Lg	21:57:01.156	-1.2					T__						15129389	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.28	310.7	Pg	21:56:58.171	0.3					T__						15129390	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.28	310.7	Lg	21:57:02.617	0.1					T__						15129391	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A336A	0.46	28.4	Pg	21:57:01.190	0.1					T__						15129392	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.46	28.4	Lg	21:57:07.118	-0.7					T__						15129393	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CSKK	0.54	211.0	Pg	21:57:02.709	0.0					T__						15129394	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.54	211.0	Lg	21:57:10.578	-0.2					T__						15129395	FDSN	HU	--	BUD	iLoc	HHE	???	_
A268A	0.65	232.0	Pg	21:57:04.409	-0.1					T__						15129396	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.65	232.0	Lg	21:57:14.469	0.6					T__						15129397	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.66	340.0	Pg	21:57:04.526	-0.2					T__						15129398	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.66	340.0	Lg	21:57:12.456	-1.7					T__						15129399	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	0.67	9.3	Pg	21:57:05.080	-0.0					T__						15129400	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.67	9.3	Lg	21:57:13.357	-1.4					T__						15129401	FDSN	SK	--	BUD	iLoc	HHN	???	_
A339A	0.69	270.3	Lg	21:57:16.192	1.2					T__						15129402	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.83	83.5	Pn	21:57:08.202	0.6					T__						15129403	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.83	83.5	Sn	21:57:20.976	0.8					T__						15129404	FDSN	GE	--	BUD	iLoc	BHN	???	_
A267A	0.89	188.4	Sn	21:57:22.422	1.1					T__						15129405	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A332A	0.98	351.9	Lg	21:57:21.787	-2.8					T__						15129406	FDSN	Z3	00	BUD	iLoc	HHE	???	_
EGYH	1.00	245.9	Pg	21:57:11.243	-0.1					T__						15129407	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	1.00	245.9	Sn	21:57:25.489	1.5					T__						15129408	FDSN	HU	--	BUD	iLoc	HHE	???	_
MPLH	1.01	229.7	Pg	21:57:11.397	-0.1					T__						15129409	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.01	229.7	Sn	21:57:25.566	1.2					T__						15129410	FDSN	HU	--	BUD	iLoc	BHN	???	_
MODS	1.08	300.6	Pn	21:57:11.711	0.6					T__						15129411	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.08	300.6	Sn	21:57:26.400	0.3					T__						15129412	FDSN	SK	--	BUD	iLoc	HHN	???	_
A261A	1.36	230.2	Lg	21:57:35.638	-1.3					T__						15129413	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A260A	1.44	248.4	Lg	21:57:38.915	-0.3					T__						15129414	FDSN	Z3	00	BUD	iLoc	HHN	???	_
RONA	1.61	266.2	Pn	21:57:18.575	0.2					T__		0.2	0.14			15129415	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.61	266.2	Sn	21:57:37.861	-1.1					T__		0.7	0.18			15129416	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.62	180.7	Pg	21:57:21.242	-1.9					T__						15129417	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MORH	1.62	180.7	Lg	21:57:43.680	-1.8					T__						15129418	FDSN	HU	--	BUD	iLoc	HHE	???	_
CONA	1.89	274.0	Pn	21:57:22.929	0.5					T__		0.3	0.22			15129419	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
2018/10/02 23:22:07.67 1.13 0.86 47.8436 18.6571 5.3 3.5 133 13.9F 11.7 19 12 119 0.23 1.01 m ke BUD 15129311 iLoc 132

Magnitude Err Nsta Author OrigID
M 1.4 8 BUD 15129311

Sta	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	262.7	Pg	23:22:13.008	-0.1					T__						15129313	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SR0	0.23	262.7	Lg	23:22:16.404	-0.6					T__						15129314	FDSN	SK	--	BUD	iLoc	EHN	???	_
A270A	0.24	89.5	Pg	23:22:13.936	0.6					T__						15129315	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A270A	0.24	89.5	Lg	23:22:17.590	0.1	T__	---	15129316	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.27	310.1	Pg	23:22:14.116	0.5	T__	---	15129317	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.28	222.2	Pg	23:22:13.181	-0.7	T__	---	15129318	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.28	222.2	Lg	23:22:17.759	-0.6	T__	---	15129319	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.45	30.3	Pg	23:22:17.135	0.1	T__	---	15129320	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.45	30.3	Lg	23:22:23.131	-0.6	T__	---	15129321	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CSKK	0.55	209.3	Pg	23:22:18.703	-0.2	T__	---	15129322	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.55	209.3	Lg	23:22:26.627	-0.4	T__	---	15129323	FDSN	HU	--	BUD	iLoc	HHN	???	_
A335A	0.64	340.5	Pg	23:22:20.498	-0.1	T__	---	15129324	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.64	340.5	Lg	23:22:28.920	-0.9	T__	---	15129325	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	0.65	230.5	Pg	23:22:20.011	-0.7	T__	---	15129326	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VVHS	0.66	10.4	Pg	23:22:20.967	-0.1	T__	---	15129327	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VVHS	0.66	10.4	Lg	23:22:29.234	-1.3	T__	---	15129328	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.84	84.4	Lg	23:22:35.375	-2.1	T__	---	15129329	FDSN	GE	--	BUD	iLoc	BHN	???	_
EGYH	0.99	245.0	Lg	23:22:41.276	0.2	T__	---	15129330	FDSN	HU	--	BUD	iLoc	HHE	???	_
MPLH	1.01	228.8	Pn	23:22:27.554	1.1	T__	---	15129331	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
2018/10/03	06:57:08.34	1.72	1.85	47.4608	18.3473	12.3	6.9	96	0.0S		6	4	170	0.11	1.26	m	sx BUD	15129332	iLoc			266
(description : suspected quarry blast)																						
(locality : Rosia-Poieni Romania)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.9	0.7	2 BUD	15129332

Sta	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	211.1	Pg	06:57:12.408	1.2				T__		16.7	627.1		---	MLv	2.4	15129334	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	211.1	Lg	06:57:14.786	1.2				T__					---		15129335	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A268A	0.29	264.3	Pg	06:57:14.746	0.1				T__		2.0	15.6		---	MLv	1.3	15129336	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.29	264.3	Lg	06:57:19.094	-0.4				T__					---		15129337	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A338A	0.55	0.4	Lg	06:57:29.156	0.9				T__					---		15129338	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
MORH	1.26	170.6	Sn	06:57:48.333	-2.6				T__					---		15129339	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		
2018/10/03	10:26:07.03	2.40	0.49	48.6152	20.7796	16.4	7.9	12	0.0S		8	4	230	0.24	1.30	m	kx BUD	15129348	iLoc					315
(locality : Dvorniky-Vcelare Slovakia)																								
(description : known quarry blast)																								

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.2	3 BUD	15129348

Sta	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	236.0	Pg	10:26:12.220	0.3				T__		12.5	70.2		---	MLv	1.8	15129350	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.24	236.0	Lg	10:26:15.010	-0.7				T__					---		15129351	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KECS	0.24	236.0	Lg	10:26:16.000	0.3				T__			0.7		---		15129352	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.8 1																									
ABAH	0.44	136.0	Lg	10:26:23.279	-0.3				T__					---		15129353	FDSN	HU	--	BUD	iLoc	HHE	???	_	
PSZ	0.91	220.6	Pg	10:26:26.649	0.4				T__		1.3	4.6		---	MLv	1.7	15129354	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_

PSZ	0.91	220.6	Lg	10:26:39.866	-0.5	T__	---	15129355	FDSN	GE	--	BUD	iLoc	BHN	???	_				
(Station ML : 1.7 1																				
VYHS	1.30	265.4	Pg	10:26:32.898	0.0	T__	2.2	1.0	---	MLv	1.2	15129356	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.30	265.4	Sn	10:26:51.065	-0.0	T__	---	---	---	---	---	15129357	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
2018/10/03	10:51:48.61	2.87	0.63	47.2053	18.3377	11.9	6.5	86	0.5F	5.3	8	5	186	0.17	1.13	m	ke	BUD	15129372	iLoc		218

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.17	341.7	Pg	10:51:52.367	-0.0					T__						15129374	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.17	341.7	Lg	10:51:54.699	-0.7					T__						15129375	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A268A	0.36	308.9	Pg	10:51:56.941	0.8					T__						15129376	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.36	308.9	Lg	10:52:01.642	-0.2					T__						15129377	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.55	266.6	Pg	10:51:59.365	-0.4					T__						15129378	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.55	266.6	Lg	10:52:07.873	-0.1					T__						15129379	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.01	167.9	Lg	10:52:23.379	-0.3					T__						15129380	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOVH	1.13	188.4	Sn	10:52:28.250	0.5					T__						15129381	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
2018/10/03	11:43:31.08	1.20	1.10	46.1249	16.4185	5.2	4.1	151	1.3F	5.8	18	10	80	0.03	1.21	m	ke	BUD	15129420	iLoc		111

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

Magnitude Err Nsta Author OrigID

M 1.8 5 BUD 15129420

Sta	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	76.3	Pg	11:43:31.900	-0.3					T__						15129422	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.03	76.3	Lg	11:43:33.270	0.0					T__						15129423	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.25	277.2	Pg	11:43:34.560	-1.6					T__						15129424	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.25	277.2	Lg	11:43:39.090	-1.0					T__						15129425	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.34	340.2	Lg	11:43:42.149	-1.1					T__						15129426	FDSN	SL	--	BUD	iLoc	BHE	???	_
PTJ	0.38	235.4	Pg	11:43:39.159	0.4					T__						15129427	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.38	235.4	Lg	11:43:46.090	1.5					T__						15129428	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.38	235.4	Pg	11:43:38.790	-0.2					T__						15129429	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.38	235.4	Lg	11:43:43.700	-1.5					T__						15129430	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.43	35.5	Pg	11:43:39.771	-0.1					T__						15129431	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.43	35.5	Lg	11:43:46.430	-0.1					T__						15129432	FDSN	HU	--	BUD	iLoc	BHN	???	_
MOSL	0.56	155.2	Pg	11:43:42.340	-0.1					T__						15129433	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.73	246.3	Pg	11:43:45.751	0.4					T__						15129434	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.73	246.3	Lg	11:43:56.555	-0.0					T__						15129435	FDSN	SL	--	BUD	iLoc	BHN	???	_
AO21A	0.75	327.2	Pg	11:43:47.160	1.5					T__						15129436	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KOVH	1.17	91.2	Pn	11:43:54.349	0.5					T__						15129437	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.17	91.2	Lg	11:44:09.397	-2.1					T__						15129438	FDSN	HU	--	BUD	iLoc	BHE	???	_
A252A	1.21	124.1	Lg	11:44:12.961	0.2					T__						15129439	FDSN	Z3	--	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
 2018/10/04 07:16:27.22 1.52 0.64 47.3436 18.3791 11.9 7.4 59 0.0S 5 3 170 0.08 1.14 m kx BUD 15129440 iLoc 283
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 MLv 1.8 0.9 2 BUD 15129440

Sta	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	283.8	Pg	07:16:29.989	0.5					T__	20.1	777.5		---	MLv	2.4	15129442	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.08	283.8	Lg	07:16:31.053	-0.5					T__				---		15129443	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A269A	0.30	0.4	Lg	07:16:38.226	-0.3					T__				---		15129444	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
MORH	1.14	170.7	Pg	07:16:50.367	0.4					T__	1.7	1.1		---	MLv	1.2	15129445	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.14	170.7	Sn	07:17:06.387	-0.5					T__				---		15129446	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
 2018/10/04 08:22:27.44 1.13 1.04 48.4235 17.2792 5.4 4.1 112 0.0S 14 10 74 0.05 1.07 m kx BUD 15129455 iLoc 124
 (locality : Rohoznik Slovakia)
 (description : known quarry blast)
 (GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)

Magnitude Err Nsta Author OrigID
 M 2.0 6 BUD 15129455

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.05	181.7	Pg	08:22:28.767	-0.4					T__				---		15129457	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.05	181.7	Lg	08:22:30.368	-0.2					T__				---		15129458	FDSN	SK	--	BUD	iLoc	HHE	???	_
A333A	0.31	338.4	Lg	08:22:38.594	-0.2					T__				---		15129459	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A334A	0.32	55.3	Pg	08:22:34.054	-0.1					T__				---		15129460	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.51	30.6	Pg	08:22:37.864	-0.1					T__				---		15129461	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.51	30.6	Lg	08:22:47.288	1.6					T__				---		15129462	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A339A	0.65	156.9	Pg	08:22:42.766	2.1					T__				---		15129463	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.68	192.9	Pg	08:22:41.410	-0.0					T__				---		15129464	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.70	87.7	Pg	08:22:41.289	-0.3					T__				---		15129465	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.70	87.7	Lg	08:22:52.579	0.6					T__				---		15129466	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	0.87	317.8	Pn	08:22:45.144	-0.8					T__				---		15129467	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.87	317.8	Lg	08:22:57.929	1.7					T__				---		15129468	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VYHS	1.04	85.5	Lg	08:23:02.665	-0.8					T__				---		15129469	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	1.07	242.9	Lg	08:23:04.311	-0.2					T__				---		15129470	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
 2018/10/04 09:55:11.80 1.79 0.74 48.6087 20.7790 14.5 5.5 12 0.0S 10 5 229 0.23 1.30 m kx BUD 15129471 iLoc 315
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15129471

Sta	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	237.3	Pg	09:55:17.230	0.6					T__						15129473	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	237.3	Lg	09:55:20.821	0.5					T__						15129474	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.44	135.4	Pg	09:55:21.658	0.9					T__						15129475	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	135.4	Lg	09:55:27.212	-1.0					T__						15129476	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.91	220.9	Pg	09:55:31.148	0.2					T__						15129477	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	220.9	Lg	09:55:45.047	0.0					T__						15129478	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.24	253.1	Pn	09:55:35.456	-0.1					T__						15129479	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.24	253.1	Sn	09:55:53.187	-1.1					T__						15129480	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.30	265.6	Pg	09:55:38.000	0.4					T__						15129481	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	265.6	Lg	09:55:56.462	-0.1					T__						15129482	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
2018/10/04	10:39:52.26	1.04	1.22	48.1502	21.2674	6.3	5.2	164	0.0S		12	8	84	0.15	1.91	m	kx BUD	15129483	iLoc			131
2018/10/04	10:39:53.02f	1.09	1.09	48.2470	21.2460f				0.0S		12		78	0.05	2.00	m	kx BUD_GT	15137184	BUD			123

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

Magnitude	Err	Nsta	Author	OrigID
M	2.3	5	BUD	15137184

Sta	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	10:39:54.968	0.4					T__						15138613	FDSN	HU	--	BUD	BUD	HHZ	???	_
KECS	0.56	295.3	Pg	10:40:04.894	0.6					T__						15138614	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	10:40:13.116	0.3					T__						15138615	FDSN	SK	--	BUD	BUD	EHN	???	_
HOLU	0.81	69.3	Pn	10:40:10.575	-0.6					T__						15138616	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	10:40:11.252	-0.8					T__						15138617	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	10:40:24.237	-0.7					T__						15138618	FDSN	HU	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Pn	10:40:13.103	-0.2					T__						15138619	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	10:40:27.130	-1.1					T__						15138620	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	10:40:14.415	0.9					T__						15138621	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	10:40:27.683	0.5					T__						15138622	FDSN	SK	--	BUD	BUD	HHN	???	_
DRGR	1.76	145.2	Sn	10:40:47.100	-2.0					T__						15138623	FDSN	RO	--	BUD	BUD	BHE	???	_
SIRR	2.00	171.7	Sn	10:40:56.831	2.4					T__						15138624	FDSN	RO	--	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
2018/10/04	10:53:39.78	0.41	0.25	46.2839	21.6511	3.5	1.1	114	2.0A		10		234	0.02	1.19	a	ke BUC	15110452	ISC			360
2018/10/04	10:53:38.25	1.79	0.73	46.3175	21.6193	15.9	4.2	116	5.0A		22		238	0.06	1.23	m	ke BUD	15129529	iLoc			266

Magnitude	Err	Nsta	Author	OrigID
m1	1.6		BUC	15110452
M	1.8	4	BUD	15129529

Sta	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	0.06	150.8	Pg	10:53:39.981	-0.1					T__						15129531	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.06	150.8	Pg	10:53:39.981	-0.1					T__		6.6				15129532	FDSN	IR	--	ISC	iLoc	???	???	_

SIRR	0.06	150.8	Lg	10:53:40.604	-0.9	T__	6.6	---	15129533	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.06	149.9	Pg	10:53:39.630	-0.5	T__		---	15129534	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.70	178.8	Pn	10:53:52.988	-0.3	T__		---	15129535	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.70	178.8	Sn	10:54:04.765	-0.5	T__		---	15129536	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.70	180.1	Pg	10:53:52.724	0.7	T__		---	15129537	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.70	180.1	Pg	10:53:52.724	0.7	T__		---	15129538	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.70	180.1	Lg	10:54:02.041	-0.2	T__		---	15129539	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.89	57.4	Pn	10:53:56.931	0.4	T__		---	15129540	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.89	57.4	Pn	10:53:56.931	0.4	T__		---	15129541	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.89	57.4	Lg	10:54:09.432	-0.9	T__		---	15129542	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.89	57.4	Pg	10:53:56.627	0.6	T__		---	15129543	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.89	57.4	Lg	10:54:08.970	-1.4	T__		---	15129544	FDSN	RO	--	BUD	iLoc	BHN	???	_
MARR	1.10	70.4	Pg	10:54:00.557	0.6	T__		---	15129546	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	70.4	Pg	10:54:00.557	0.6	T__		---	15129545	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.10	70.4	Sn	10:54:15.956	-0.5	T__		---	15129547	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.23	138.4	Pg	10:54:02.528	0.7	T__		---	15129548	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.23	138.4	Pg	10:54:02.856	1.1	T__		---	15129549	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.23	138.4	Pg	10:54:02.856	1.1	T__		---	15129550	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.23	138.4	Sn	10:54:19.268	0.3	T__		---	15129551	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.23	138.4	Sn	10:54:19.439	0.5	T__		---	15129552	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
2018/10/04	11:02:42.16	1.38	0.87	48.1750	19.7776	6.4	5.2	42	0.0S		8	5	123	0.27	1.00	m	kx	BUD	15129506	iLoc		229

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.6	3 BUD	15129506

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
PSZ	0.27	163.0	Pg	11:02:48.548	0.2					T__	7.1	24.5		---	MLv	1.4	15129508	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.27	163.0	Lg	11:02:53.087	0.0					T__				---		15129509	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.4 1																									
KECS	0.56	56.6	Pg	11:02:53.720	0.2					T__	1.9	11.3		---	MLv	1.9	15129510	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.56	56.6	Lg	11:03:01.521	-0.6					T__				---		15129511	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.9 1																									
VYHS	0.70	297.3	Pg	11:02:57.291	0.9					T__	2.0	0.9		---	MLv	0.8	15129512	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.70	297.3	Lg	11:03:06.162	-0.7					T__				---		15129513	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.8 1																									
LANS	1.00	348.2	Lg	11:03:16.402	0.0					T__				---		15129514	FDSN	SK	--	BUD	iLoc	EHN	???	_	
A335A	1.00	286.3	Lg	11:03:15.359	-1.4					T__				---		15129515	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
2018/10/05	06:26:15.23	1.59	1.33	47.3548	18.5781	13.2	9.5	76	0.0S		6	4	190	0.22	1.14	m	kx	BUD	15129553	iLoc		268
2018/10/05	06:26:16.54f		2.67	47.2302	18.2835f				0.0S		6		162	0.13	1.04	m	kx	BUD_GT	15136001	BUD		260

(GT info : GT2 explosion)

(locality : Iszkaszentgyörgy Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
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ML 1.5 0.5 3 BUD 15129553
 ML 1.5 0.5 3 BUD 15136001

Sta	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	06:26:21.195	1.3					T__		255.1		---	MLv	15138625	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	06:26:23.699	1.1					T__				---		15138626	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	06:26:29.291	2.1					T__		3.9		---	MLv	15138628	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
A338A	0.79	3.4	Lg	06:26:38.481	-5.9					T__				---		15138627	FDSN	Z3	00	BUD	BUD	HH3	???	_
MORH	1.04	166.1	Pg	06:26:38.382	1.0					T__		1.1		---	MLv	15138629	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Sn	06:26:53.511	-0.3					T__				---		15138630	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
 2018/10/06 09:06:41.09 1.23 0.68 48.0093 19.6309 12.1 4.3 22 0.0S 10 5 181 0.20 1.11 m kx BUD 15129574 iLoc 223
 2018/10/06 09:06:41.05f 0.58 48.0061 19.6278f 0.0S 10 182 0.20 1.12 m kx BUD_GT 15137187 BUD 224
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Nagylóc Hungary)

Magnitude Err Nsta Author OrigID
 M 1.9 5 BUD 15137187

Sta	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	09:06:45.965	0.1					T__				---		15138631	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.20	116.0	Lg	09:06:49.262	-0.3					T__				---		15138632	FDSN	GE	--	BUD	BUD	BHN	???	_
A336A	0.48	298.6	Pg	09:06:51.279	0.4					T__				---		15138633	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.48	298.6	Lg	09:06:58.177	0.1					T__				---		15138634	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	0.72	313.0	Pg	09:06:55.356	-0.2					T__				---		15138635	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.72	313.0	Lg	09:07:06.153	-0.1					T__				---		15138636	FDSN	SK	--	BUD	BUD	HHN	???	_
KECS	0.75	49.9	Pg	09:06:55.672	-0.3					T__				---		15138637	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.75	49.9	Sn	09:07:09.368	-1.5					T__				---		15138638	FDSN	SK	--	BUD	BUD	EHE	???	_
ABAH	1.12	74.3	Pn	09:07:03.973	0.8					T__				---		15138639	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	1.12	74.3	Lg	09:07:21.482	0.2					T__				---		15138640	FDSN	HU	--	BUD	BUD	HHE	???	_
A267A	1.31	216.7	Sn	09:07:15.380	-9.3					---				---		15138641	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
 2018/10/06 09:08:43.71 1.23 1.49 47.9621 19.5291 9.7 4.3 14 0.0S 10 6 151 0.25 1.19 m kx BUD 15129587 iLoc 207
 2018/10/06 09:08:44.26f 1.98 48.0061 19.6278f 0.0S 10 132 0.20 1.12 m kx BUD_GT 15137190 BUD 182
 (GT info : GT2 explosion)
 (description : known quarry blast)
 (locality : Nagylóc Hungary)

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15137190

Sta	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	09:08:49.052	0.0					T__				---		15138642	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.20	116.0	Lg	09:08:57.044	4.2					T__				---		15138643	FDSN	GE	--	BUD	BUD	BHE	???	_
A270A	0.44	248.8	Lg	09:08:56.553	-3.9					T__				---		15138644	FDSN	Z3	00	BUD	BUD	HHN	???	_

A336A	0.48	298.6	Pg	09:08:53.897	-0.2	T__	---	15138645	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.48	298.6	Lg	09:09:00.354	-0.9	T__	---	15138646	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	0.72	313.0	Pg	09:08:58.171	-0.6	T__	---	15138647	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.72	313.0	Lg	09:09:08.366	-1.1	T__	---	15138648	FDSN	SK	--	BUD	BUD	HHN	???	_
KECS	0.75	49.9	Lg	09:09:12.145	1.7	T__	---	15138649	FDSN	SK	--	BUD	BUD	EHE	???	_
ABAH	1.12	74.3	Pn	09:09:07.007	0.7	T__	---	15138650	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	1.12	74.3	Sn	09:09:23.288	-0.6	T__	---	15138651	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
2018/10/07	00:48:43.49	1.33	0.71	45.9994	17.2957	6.7	4.5	30	9.7F	8.9	14	9	117	0.16	1.30	m	ke BUD	15129606	iLoc			182

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15129606

Sta	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	0.16	358.4	Pg	00:48:46.921	-0.5				T__						15129608	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A264A	0.16	358.4	Lg	00:48:50.292	-0.1				T__						15129609	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A265A	0.55	39.0	Pg	00:48:54.251	-0.5				T__						15129610	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A265A	0.55	39.0	Lg	00:49:02.558	-0.5				T__						15129611	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
KOVH	0.57	80.7	Pg	00:48:55.516	0.4				T__						15129612	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
KOVH	0.57	80.7	Lg	00:49:04.984	1.3				T__						15129613	FDSN	HU	--	BUD	iLoc	BHN	???	_	
BEHE	0.59	322.7	Lg	00:49:06.116	1.5				T__						15129614	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
A263A	0.64	1.2	Lg	00:49:06.440	0.4				T__						15129615	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A252A	0.68	145.3	Pg	00:48:57.050	-0.4				T__						15129616	FDSN	Z3	--	BUD	iLoc	BHZ	???	_	
A252A	0.68	145.3	Lg	00:49:07.445	0.1				T__						15129617	FDSN	Z3	--	BUD	iLoc	BHE	???	_	
KOGS	0.85	302.1	Pg	00:49:00.228	-0.1				T__						15129618	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
KOGS	0.85	302.1	Lg	00:49:12.531	-0.0				T__						15129619	FDSN	SL	--	BUD	iLoc	BHE	???	_	
MORH	0.96	76.5	Lg	00:49:16.065	-0.3				T__						15129620	FDSN	HU	--	BUD	iLoc	BHN	???	_	
CRES	1.30	263.0	Sn	00:49:25.293	-0.1				T__						15129621	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
2018/10/08	07:43:39.52	2.80	1.00	47.3575	18.0511	19.8	10.7	84	0.0S		5	3	238	0.14	1.21	m	kx BUD	15129599	iLoc			310
(description : known 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	0.14	87.6	Pg	07:43:43.900	0.9				T__						15129601	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
CSKK	0.14	87.6	Lg	07:43:44.964	-0.8				T__						15129602	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A269A	0.36	38.5	Pg	07:43:47.449	0.3				T__						15129603	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A269A	0.36	38.5	Lg	07:43:52.633	-0.3				T__						15129604	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
MORH	1.21	160.1	Sn	07:44:20.401	-0.5				T__						15129605	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
2018/10/08	07:52:22.06	1.16	0.54	48.5347	19.3196	5.6	4.2	165	0.0S		13	8	84	0.32	1.37	m	kx BUD	15129622	iLoc			166

(locality : Viglas Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 7 BUD 15129622

Sta	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	0.32	263.0	Pg	07:52:28.934	0.2					T__						15129624	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.32	263.0	Lg	07:52:33.428	-0.2					T__						15129625	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.37	215.4	Pg	07:52:30.067	0.4					T__						15129626	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.37	215.4	Lg	07:52:35.563	0.4					T__						15129627	FDSN	Z3	00	BUD	iLoc	HH2	???	_
LANS	0.62	9.0	Pg	07:52:34.972	0.6					T__						15129628	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.62	9.0	Lg	07:52:42.554	-1.0					T__						15129629	FDSN	SK	--	BUD	iLoc	EHE	???	_
A335A	0.66	262.7	Pg	07:52:34.977	-0.4					T__						15129630	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.66	262.7	Lg	07:52:44.403	-0.7					T__						15129631	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.73	147.9	Pg	07:52:37.030	-0.4					T__						15129632	FDSN	GE	--	BUD	iLoc	BHZ	???	_
KECS	0.78	93.4	Pg	07:52:37.819	0.3					T__						15129633	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.78	93.4	Lg	07:52:48.900	-0.3					T__						15129634	FDSN	SK	--	BUD	iLoc	EHN	???	_
JAVC	1.14	287.2	Pg	07:52:44.921	0.2					T__						15129635	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MODS	1.37	264.0	Pn	07:52:47.922	0.2					T__						15129636	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
 2018/10/08 11:04:07.86 1.10 0.74 48.2434 21.5083 11.9 4.4 5 0.0S 11 7 154 0.19 1.13 m sx BUD 15129637 iLoc 187
 (description : suspected quarry blast)
 (locality : Tállya Hungary)

Magnitude Err Nsta Author OrigID
 M 2.3 4 BUD 15129637

Sta	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	286.5	Pg	11:04:13.410	1.4					T__						15129639	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.19	286.5	Lg	11:04:15.820	0.2					T__						15129640	FDSN	HU	--	BUD	iLoc	HHN	???	_
TRPA	0.70	98.9	Pg	11:04:22.421	0.8					T__						15129641	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.70	98.9	Lg	11:04:33.277	-0.3					T__						15129642	FDSN	HU	--	BUD	iLoc	BHE	???	_
KECS	0.72	289.8	Pg	11:04:22.523	0.2					T__						15129643	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.72	289.8	Lg	11:04:32.866	-0.4					T__						15129644	FDSN	SK	--	BUD	iLoc	EHN	???	_
KOLS	0.86	36.0	Pn	11:04:25.957	-0.9					T__						15129645	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.86	36.0	Lg	11:04:37.723	-0.5					T__						15129646	FDSN	SK	--	BUD	iLoc	HHN	???	_
BRIU	1.01	84.1	Pn	11:04:29.133	0.0					T__						15129647	FDSN	UA	--	BUD	iLoc	MHZ	???	_
STZU	1.07	43.3	Pn	11:04:29.638	-0.3					T__						15129648	FDSN	UA	--	BUD	iLoc	MHZ	???	_
PSZ	1.13	253.9	Sn	11:04:47.954	-0.6					T__						15129649	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
 2018/10/08 12:15:20.36 1.64 0.75 46.1510 17.9542 9.6 5.9 163 0.0S 7 4 170 0.12 0.72 m kx BUD 15129650 iLoc 256
 2018/10/08 12:15:20.97f 1.12 46.1254 18.0152f 0.0S 7 163 0.07 0.70 m kx BUD_GT 15137193 BUD 248
 (description : known quarry blast)
 (locality : Komló-II Hungary)
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.0	0.5	3 BUD	15129650
ML	1.0	0.5	3 BUD	15137193

Sta	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	12:15:23.813	0.8					T__		25.6		---	MLv	15138652	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	12:15:25.288	0.5					T__				---		15138653	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Pg	12:15:31.051	0.7					T__		1.1		---	MLv	15138655	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	12:15:37.432	-0.1					T__				---		15138656	FDSN	HU	--	BUD	BUD	BHN	???	_
A264A	0.51	274.1	Lg	12:15:37.105	-2.7					T__				---		15138654	FDSN	Z3	00	BUD	BUD	HHE	???	_
A252A	0.70	189.7	Pg	12:15:35.415	0.2					T__		3.0		---	MLv	15138657	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.70	189.7	Lg	12:15:45.632	-0.3					T__				---		15138658	FDSN	Z3	--	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
2018/10/08	12:28:57.53	2.83	1.16	46.1320	17.9594	20.7	5.7	140	0.0S	7	4	234	0.11	0.70	m	kx	BUD	15129672	iLoc			269
2018/10/08	12:28:58.04f		1.15	46.1254	18.0152f				0.0S	7		224	0.07	0.70	m	kx	BUD_GT	15137196	BUD			268

(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	0.07	122.2	Pg	12:29:00.646	0.6					T__				---		15138659	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.07	122.2	Lg	12:29:02.098	0.2					T__				---		15138660	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Lg	12:29:05.009	-2.8					T__				---		15138661	FDSN	Z3	--	BUD	BUD	HHN	???	_
MORH	0.45	78.1	Pg	12:29:07.979	0.6					T__				---		15138662	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	78.1	Lg	12:29:14.914	0.3					T__				---		15138663	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	189.7	Pg	12:29:12.843	0.6					T__				---		15138664	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.70	189.7	Lg	12:29:22.569	-0.5					T__				---		15138665	FDSN	Z3	--	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
2018/10/08	12:48:03.79	1.25	0.67	48.3343	19.8546	7.9	5.7	31	0.0S	8	5	106	0.42	1.02	m	kx	BUD	15129681	iLoc			206

(description : known quarry blast)
(locality : Husina Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.4		5 BUD	15129681

Sta	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	176.3	Pg	12:48:13.018	0.1					T__				---		15129683	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.42	176.3	Lg	12:48:20.084	0.2					T__				---		15129684	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.45	70.2	Pg	12:48:13.059	0.2					T__				---		15129685	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	0.70	283.6	Pg	12:48:18.754	0.9					T__				---		15129686	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.70	283.6	Lg	12:48:28.017	-0.2					T__				---		15129687	FDSN	SK	--	BUD	iLoc	HHN	???	_
LANS	0.86	342.7	Pn	12:48:22.058	-0.2					T__				---		15129688	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A335A	1.02	276.9	Pg	12:48:24.344	0.2					T__				---		15129689	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A335A 1.02 276.9 Lg 12:48:37.903 -1.1 T__ --- 15129690 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
 2018/10/09 06:00:00.70 1.10 0.84 47.3059 18.4005 4.8 3.4 105 0.0S 22 7 112 0.11 1.24 m kx BUD 15129691 iLoc 157
 (description : known quarry blast)
 (locality : Gánt Hungary)

Magnitude Err Nsta Author OrigID
 M 1.6 7 BUD 15129691

Sta	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	301.1	Pg	06:00:03.271	-0.3					T__						15129693	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.11	301.1	Lg	06:00:04.562	-1.4					T__						15129694	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.11	301.0	Pg	06:00:02.900	-0.7					T__		32.4				15129695	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	0.33	357.9	Pg	06:00:09.460	1.6					T__						15129696	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.33	357.9	Lg	06:00:12.181	-1.1					T__						15129697	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.60	257.3	Pg	06:00:14.362	1.3					T__						15129698	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.60	257.3	Lg	06:00:22.938	0.6					T__						15129699	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.10	171.2	Pg	06:00:23.075	0.4					T__						15129700	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.10	171.2	Sn	06:00:39.405	0.0					T__						15129701	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.10	171.2	Pg	06:00:22.900	0.2					T__		0.0				15129702	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.10	171.2	Lg	06:00:37.700	-1.6					T__		0.0				15129703	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.18	58.2	Pg	06:00:25.545	0.0					T__						15129704	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.18	58.2	Sn	06:00:41.600	-0.2					T__						15129705	FDSN	GE	--	BUD	iLoc	BHN	???	_
PSZ	1.18	58.2	Pg	06:00:25.800	0.3					T__		0.1				15129706	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.18	58.2	Lg	06:00:42.800	0.0					T__		0.1				15129707	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.22	13.7	Pg	06:00:25.751	0.5					T__						15129708	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.22	13.7	Lg	06:00:42.904	-0.2					T__						15129709	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.22	13.7	Pg	06:00:25.900	0.6					T__		0.0				15129710	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.24	189.7	Pg	06:00:26.369	0.8					T__						15129711	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.24	189.7	Pg	06:00:26.500	1.0					T__		0.0				15129712	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.24	189.7	Sn	06:00:42.800	-0.1					T__		0.0				15129713	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.24	189.7	Lg	06:00:43.110	-0.6					T__						15129714	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
 2018/10/09 09:47:53.09 1.14 1.22 48.5045 18.7408 10.4 4.0 8 0.0S 13 8 162 0.06 0.99 m kx BUD 15129721 iLoc 196
 (description : known quarry blast)
 (locality : Bzenica Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15129721

Sta	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	99.4	Pg	09:47:55.440	0.8					T__						15129723	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.06	99.4	Lg	09:47:56.675	0.8					T__						15129724	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.28	258.1	Pg	09:47:59.500	0.6					T__						15129725	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.28	258.1	Lg	09:48:03.683	0.5					T__						15129726	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.32	147.5	Pg	09:48:00.958	1.3					T__						15129727	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A336A	0.32	147.5	Lg	09:48:05.208	0.6	T__	---	15129728	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A337A	0.69	248.0	Lg	09:48:15.725	-1.4	T__	---	15129729	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.79	297.0	Pn	09:48:10.123	-0.6	T__	---	15129730	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.79	297.0	Sn	09:48:23.193	-1.1	T__	---	15129731	FDSN	CZ	--	BUD	iLoc	BHN	???	_
PSZ	0.97	126.8	Pn	09:48:11.084	-2.1	T__	---	15129732	FDSN	GE	--	BUD	iLoc	BHZ	???	_
MODS	0.98	262.9	Pn	09:48:14.617	1.3	T__	---	15129733	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.98	262.9	Lg	09:48:27.927	0.7	T__	---	15129734	FDSN	SK	--	BUD	iLoc	HHN	???	_
A339A	0.99	227.5	Lg	09:48:26.779	-0.8	T__	---	15129735	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
2018/10/09	09:59:44.92	6.54	0.11	48.5557	20.6883	36.6	23.3	86	0.0S	4	3	312	0.15	1.23	m	kx	BUD	15129742	iLoc		338	

(description : known 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	0.15	241.8	Pg	09:59:48.253	0.0					T__						15129744	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.15	241.8	Lg	09:59:50.826	0.0					T__						15129745	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.83	220.1	Lg	10:00:15.320	-0.0					T__						15129746	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.23	267.8	Sn	10:00:27.190	-0.1					T__						15129747	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
2018/10/09	10:01:03.41	0.84	0.32	48.0952	16.9887	7.3	4.6	140	0.0F	0.0	11	6	0.61	1.30	a	kx	VIE	15110513	ISC		360	
2018/10/09	10:01:03.16	0.97	0.86	48.1824	16.8930	5.8	3.7	148	0.0S	21	10	99	0.32	1.33	m	kx	BUD	15129748	iLoc		146	

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15110513
ml	1.8		VIE	15110513
M	1.7	6	BUD	15129748

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.32	53.2	Pg	10:01:09.501	-0.6					T__						15129750	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	53.2	Lg	10:01:14.573	-0.8					T__						15129751	FDSN	SK	--	BUD	iLoc	HHN	???	_
A003A	0.44	165.7	Pg	10:01:13.433	1.1					T__						15129752	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.44	165.7	Lg	10:01:17.961	-1.2					T__						15129753	FDSN	Z3	00	BUD	iLoc	HH3	???	_
RONA	0.63	219.9	Pg	10:01:14.769	-1.1					T__		1.1	0.10			15129754	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.63	219.9	Lg	10:01:23.518	-1.7					T__		10.2	0.32			15129755	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	250.2	Pg	10:01:18.655	0.8					T__						15129756	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.74	250.2	Lg	10:01:29.031	0.2					T__						15129757	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.74	250.2	Pg	10:01:17.854	-0.0					T__		1.3	0.22			15129758	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	250.2	Lg	10:01:29.160	0.3					T__		4.4	0.28			15129759	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.82	158.7	Lg	10:01:32.733	0.7					T__						15129760	FDSN	HU	--	BUD	iLoc	HHN	???	_
JAVC	0.85	37.1	Pn	10:01:23.181	1.4					T__						15129761	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MPLH	1.10	156.4	Lg	10:01:40.547	-0.8					T__						15129762	FDSN	HU	--	BUD	iLoc	BHN	???	_
VRAC	1.14	350.1	Pn	10:01:26.116	0.6					T__						15129763	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.14	350.1	Sn	10:01:42.393	-0.3					T__						15129764	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.31	225.3	Pg	10:01:28.547	-0.1					T__		1.5	0.22			15129765	FDSN	IR	--	ISC	iLoc	???	???	_

ARSA	1.31	225.3	Sn	10:01:46.120	-0.8	T__										15129766	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	225.3	Pg	10:01:29.000	0.3	T__										15129767	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	225.3	Lg	10:01:46.730	-0.7	T__										15129768	FDSN	OE	--	BUD	iLoc	BHE	???	_
VYHS	1.33	75.8	Pg	10:01:29.683	-0.1	T__										15129769	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.33	75.8	Sn	10:01:46.950	-0.5	T__										15129770	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
2018/10/10	08:49:31.02	1.67	0.53	45.5947	17.3585	6.0	5.1	20	10.4F	12.3	13	7	99	0.38	1.15	m	ke BUD	15129771	iLoc			173

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15129771

Sta	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	0.38	114.6	Pg	08:49:39.090	0.0					T__						15129773	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.38	114.6	Lg	08:49:45.249	0.1					T__						15129774	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.72	46.1	Pg	08:49:45.252	-0.3					T__						15129775	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.72	46.1	Sn	08:49:57.968	-0.3					T__						15129776	FDSN	HU	--	BUD	iLoc	BHE	???	_
BLY	0.82	188.9	Pg	08:49:47.065	0.0					T__						15129777	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.82	188.9	Sn	08:50:01.105	0.3					T__						15129778	FDSN	MN	--	BUD	iLoc	BHN	???	_
BEHE	0.97	335.3	Pg	08:49:50.807	0.4					T__						15129779	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.97	335.3	Sn	08:50:04.667	-0.1					T__						15129780	FDSN	HU	--	BUD	iLoc	BHN	???	_
PTJ	1.02	288.3	Lg	08:50:04.297	-1.1					T__						15129781	FDSN	CR	--	BUD	iLoc	BHE	???	_
MORH	1.09	54.9	Pg	08:49:52.452	-0.2					T__						15129782	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.09	54.9	Lg	08:50:08.459	0.7					T__						15129783	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	1.15	318.3	Pg	08:49:54.247	0.6					T__						15129784	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	1.15	318.3	Sn	08:50:08.878	-0.1					T__						15129785	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
2018/10/11	06:44:39.47	2.09	0.40	47.3672	18.4402	13.3	7.7	82	0.0S		5	4	184	0.12	0.42	m	kx BUD	15129786	iLoc			276

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.8	0.7	2 BUD	15129786

Sta	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	268.2	Pg	06:44:42.951	0.4					T__	13.1	448.2			MLv	2.3	15129788	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.12	268.2	Lg	06:44:44.765	-0.3					T__						15129789	FDSN	HU	--	BUD	iLoc	HHN	???	_	
A269A	0.27	351.8	Lg	06:44:49.902	-0.1					T__						15129790	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A268A	0.36	280.6	Pg	06:44:47.036	-0.1					T__	2.2	10.9			MLv	1.3	15129791	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A267A	0.42	176.1	Lg	06:44:54.797	-0.2					T__						15129792	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	
2018/10/11	06:54:18.40	0.70		45.5480	20.4550	0.1	0.0		12.0F	8.4	20			0.59	2.15	a	ke BEO	15110535	ISC				360
2018/10/11	06:54:17.45	1.44	1.28	45.5446	20.5122	3.7	3.2	12	9.9F	12.1	52	22	104	0.63	2.14	m	ke BUD	15129837	iLoc				109

Magnitude	Err	Nsta	Author	OrigID
ML	2.1		BEO	15110535
M	2.0	5	BUD	15129837

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
FRGS	0.63	232.2	Pg	06:54:29.500	-0.2					T__						15129839	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.63	232.2	Lg	06:54:39.700	0.4					T__						15129840	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.63	229.6	Pg	06:54:29.619	-0.2					T__						15129841	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
FRGS	0.63	229.6	Lg	06:54:39.540	-0.0					T__						15129842	FDSN	SJ	--	BUD	iLoc	HHN	???	_
VRSS	0.71	126.1	Pg	06:54:31.400	-0.0					T__						15129843	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	0.71	126.1	Lg	06:54:42.200	0.5					T__						15129844	FDSN	IR	--	ISC	iLoc	???	???	_
BEO	0.72	183.2	Sn	06:54:43.277	-0.6					T__						15129845	FDSN	SJ	--	BUD	iLoc	BHN	???	_
BZS	0.78	84.3	Pn	06:54:32.800	-0.1					T__						15129846	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.78	84.3	Pn	06:54:32.836	-0.1					T__						15129847	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.78	84.3	Lg	06:54:42.032	-1.8					T__						15129848	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.78	84.3	Sg	06:54:44.800	0.9					T__						15129849	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.80	84.2	Pn	06:54:33.152	-0.0					T__						15129850	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.80	84.2	Lg	06:54:44.228	-0.2					T__						15129851	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.08	47.5	Pn	06:54:38.575	1.2					T__						15129852	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.08	47.5	Sn	06:54:53.039	-0.0					T__						15129853	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.08	47.7	Pn	06:54:38.181	0.8					T__						15129854	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.08	47.7	Sn	06:54:53.198	0.1					T__						15129855	FDSN	RO	--	BUD	iLoc	BHN	???	_
MDVR	1.14	131.5	Pn	06:54:37.745	-0.6					T__						15129856	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.14	131.5	Sn	06:54:51.637	-3.1					T__						15129857	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.15	78.9	Pn	06:54:38.539	0.4					T__						15129858	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.15	78.9	Sn	06:54:53.118	-1.3					T__						15129859	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.22	215.4	Pg	06:54:40.300	-0.3					T__						15129860	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.22	215.4	Sn	06:54:56.200	0.1					T__						15129861	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.32	183.3	Pg	06:54:42.700	0.2					T__						15129862	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.32	183.3	Lg	06:54:59.800	-0.4					T__						15129863	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.47	297.9	Pg	06:54:45.723	0.0					T__						15129864	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.47	297.9	Lg	06:55:06.040	-0.6					T__						15129865	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.47	297.8	Pg	06:54:46.315	0.6					T__						15129866	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.47	297.8	Lg	06:55:06.432	-0.3					T__						15129867	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.49	194.5	Pg	06:54:45.100	-0.8					T__						15129868	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	1.49	194.5	Sn	06:55:04.100	1.0					T__						15129869	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.50	115.6	Pn	06:54:43.113	-0.1					T__						15129870	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.50	115.6	Sn	06:55:01.920	-1.4					T__						15129871	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	94.6	Pn	06:54:45.170	0.4					T__						15129872	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	94.6	Sn	06:55:04.819	-1.4					T__						15129873	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	94.6	Sn	06:55:08.079	1.9					T__						15129874	FDSN	RO	--	BUD	iLoc	BHN	???	_
GRUS	1.66	174.9	Pg	06:54:48.200	-0.6					T__						15129875	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	1.66	174.9	Lg	06:55:11.400	0.8					T__						15129876	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.77	288.7	Sn	06:55:13.107	3.1					T__						15129877	FDSN	HU	--	BUD	iLoc	BHE	???	_
A266A	1.85	302.9	Lg	06:55:17.151	-2.0					T__						15129878	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BBLs	1.85	205.6	Pg	06:54:52.100	-0.5					T__						15129879	FDSN	IR	--	ISC	iLoc	???	???	_
BBLs	1.85	205.6	Lg	06:55:16.200	-1.0					T__						15129880	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	1.88	267.6	Pg	06:54:53.123	-0.1					T__						15129881	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.88	267.6	Lg	06:55:16.388	-3.2					T__						15129882	FDSN	Z3	--	BUD	iLoc	BHN	???	_
DRGR	1.97	50.0	Pn	06:54:51.381	1.1					T__						15129883	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.97	50.0	Sn	06:55:15.755	-0.2					T__						15129884	FDSN	IR	--	ISC	iLoc	???	???	_
IVAS	1.98	187.6	Pg	06:54:55.300	0.5					T__						15129885	FDSN	IR	--	ISC	iLoc	???	???	_
IVAS	1.98	187.6	Lg	06:55:21.500	0.7					T__						15129886	FDSN	IR	--	ISC	iLoc	???	???	_

ZAGS	2.12	144.1	Pg	06:54:56.400	-1.1	T__	---	15129887	FDSN	IR	--	ISC	iLoc	???	???	_
ZAGS	2.12	144.1	Lg	06:55:29.700	4.3	T__	---	15129888	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	2.14	57.1	Pn	06:54:52.576	-0.2	T__	---	15129889	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	2.14	57.1	Sn	06:55:19.596	-0.8	T__	---	15129890	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
2018/10/11	07:38:25.99	0.22	0.37	46.1114	21.6985	2.2	1.3	99	8.6F	1.8	18	166	0.16	1.59	a	ke	BUC	15110614	ISC			360
2018/10/11	07:38:25.87	1.03	0.91	46.1356	21.6817	8.3	3.8	93	9.1F	8.1	33	9	171	0.13	1.61	m	ke	BUD	15129801	iLoc		223

Magnitude	Err	Nsta	Author	OrigID
m1	1.7		BUC	15110614
M	1.8	4	BUD	15129801

Sta	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	354.3	Pg	07:38:29.125	-0.2					T__						15129803	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.13	354.3	Lg	07:38:31.877	-0.1					T__						15129804	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.13	353.4	Pg	07:38:29.507	0.2					T__						15129805	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.13	353.4	Pg	07:38:29.507	0.2					T__		0.6				15129806	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.13	353.4	Lg	07:38:32.032	0.0					T__		0.6				15129807	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.49	140.8	Pg	07:38:35.437	-0.2					T__						15129808	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.49	140.8	Pg	07:38:35.437	-0.2					T__						15129809	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.49	140.8	Lg	07:38:42.075	-0.8					T__						15129810	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.52	183.2	Pg	07:38:35.682	-0.5					T__						15129811	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.52	183.2	Lg	07:38:42.445	-1.4					T__						15129812	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.52	185.0	Pg	07:38:35.874	-0.4					T__						15129813	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.52	185.0	Pg	07:38:35.874	-0.4					T__						15129814	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.97	46.9	Sn	07:38:58.145	-1.6					T__						15129815	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.97	46.9	Pn	07:38:45.081	0.3					T__						15129816	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.97	46.9	Sn	07:38:57.707	-2.0					T__						15129817	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.07	133.7	Pn	07:38:46.129	0.3					T__						15129818	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.07	133.7	Pn	07:38:46.129	0.3					T__		0.1				15129819	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.07	133.7	Pg	07:38:46.367	-0.0					T__						15129820	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.07	133.7	Lg	07:39:00.161	-1.5					T__		0.1				15129821	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.07	133.7	Lg	07:39:02.052	0.4					T__						15129822	FDSN	RO	--	BUD	iLoc	BHZ	???	_
MARR	1.13	61.0	Pn	07:38:47.871	0.6					T__						15129823	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.13	61.0	Pn	07:38:47.871	0.6					T__						15129824	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.13	61.0	Sn	07:39:03.062	-1.0					T__						15129825	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	179.1	Pn	07:38:50.820	0.8					T__						15129826	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	179.1	Pn	07:38:50.820	0.8					T__						15129827	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.35	179.1	Sn	07:39:09.152	0.2					T__						15129828	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	157.4	Pn	07:38:50.582	0.7					T__						15129829	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	157.4	Pn	07:38:50.582	0.7					T__						15129830	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	157.4	Sn	07:39:09.113	0.3					T__						15129831	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.61	114.5	Pn	07:38:54.875	1.0					T__						15129832	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.61	114.5	Pn	07:38:54.875	1.0					T__						15129833	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.61	114.5	Sn	07:39:17.094	1.2					T__						15129834	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.62	114.5	Sn	07:39:17.853	1.8					T__						15129835	FDSN	RO	--	BUD	iLoc	BHE	???	_
VSV D	9.96	7.3	Pn	07:40:56.460	8.0					---						15129836	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
2018/10/11	08:58:27.85	1.13	0.77	48.3004	18.5763	6.2	3.7	31	0.0S	15	8	82	0.22	0.96	m	kx	BUD	15129891	iLoc			162
(description : known quarry blast)																						
(locality : Rybnik Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	6	BUD	15129891

Sta	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	312.5	Pg	08:58:32.464	-0.0					T__						15129893	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.22	312.5	Lg	08:58:36.446	0.4					T__						15129894	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VVHS	0.26	41.7	Pg	08:58:33.478	0.2					T__						15129895	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VVHS	0.26	41.7	Lg	08:58:37.320	-0.0					T__						15129896	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.29	103.2	Pg	08:58:34.654	0.8					T__						15129897	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.29	103.2	Lg	08:58:39.019	0.7					T__						15129898	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.51	351.7	Pg	08:58:38.237	0.2					T__						15129899	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.51	351.7	Lg	08:58:45.076	-0.6					T__						15129900	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.82	313.3	Pg	08:58:44.044	-0.4					T__						15129901	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.82	313.3	Lg	08:58:56.463	-0.1					T__						15129902	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MODS	0.87	275.3	Pn	08:58:46.720	0.2					T__						15129903	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.87	275.3	Lg	08:58:58.178	-0.1					T__						15129904	FDSN	SK	--	BUD	iLoc	HHN	???	_
CSKK	0.96	192.9	Lg	08:59:01.334	0.0					T__						15129905	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.96	112.9	Pg	08:58:48.024	-0.1					T__						15129906	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.96	112.9	Lg	08:59:00.717	-2.3					T__						15129907	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
2018/10/11	09:12:29.61	1.20	0.88	48.6401	20.8191	8.8	5.2	3	0.0S	14	7	110	0.27	1.66	m	kx	BUD	15129922	iLoc			200
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15129922

Sta	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	234.8	Pg	09:12:35.620	0.4					T__						15129924	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.27	234.8	Lg	09:12:38.634	-0.8					T__						15129925	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.27	234.8	Lg	09:12:39.600	0.1					T__		2.7				15129926	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.44	140.7	Pg	09:12:39.445	0.8					T__						15129927	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	140.7	Lg	09:12:45.899	-0.3					T__						15129928	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.95	220.9	Pg	09:12:48.800	-0.7					T__		0.1				15129929	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.95	220.9	Pn	09:12:49.684	0.1					T__						15129930	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.95	220.9	Lg	09:13:03.629	-0.6					T__						15129931	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.03	300.3	Pn	09:12:51.304	0.7					T__						15129932	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VVHS	1.33	264.4	Pg	09:12:56.429	0.4					T__						15129933	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VVHS	1.33	264.4	Sn	09:13:13.973	-0.4					T__						15129934	FDSN	SK	--	BUD	iLoc	HHN	???	_
KWP	1.59	50.7	Sn	09:13:20.529	-1.5					T__						15129935	FDSN	PL	--	BUD	iLoc	BHN	???	_
A335A	1.66	264.2	Pg	09:13:01.835	-0.7					T__						15129936	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.66	264.2	Sn	09:13:24.262	1.5					T__						15129937	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
2018/10/11	09:54:52.43	1.19	1.07	48.1934	21.2147	8.8	4.3	174	0.0S	12	8	159	0.10	1.29	m	kx	BUD	15129908	iLoc			207
2018/10/11	09:54:52.63f		1.26	48.2470	21.2460f				0.0S	12		153	0.05	1.27	m	kx	BUD_GT	15137199	BUD			198

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

Magnitude	Err	Nsta	Author	OrigID
M	2.5	5	BUD	15137199

Sta	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	09:54:54.548	0.3					T__						15138666	FDSN	HU	--	BUD	BUD	HHZ	???	_
KECS	0.56	295.3	Pg	09:55:04.364	0.5					T__						15138667	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	09:55:11.179	-1.2					T__						15138668	FDSN	SK	--	BUD	BUD	EHN	???	_
HOLU	0.81	69.3	Pg	09:55:09.316	1.1					T__						15138669	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	09:55:23.306	1.4					T__						15138670	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Lg	09:55:24.113	-0.4					T__						15138671	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pn	09:55:12.795	-0.1					T__						15138672	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	09:55:25.013	-2.9					T__						15138673	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	09:55:13.059	-0.1					T__						15138674	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	09:55:27.330	0.5					T__						15138675	FDSN	SK	--	BUD	BUD	HHE	???	_
STHS	1.17	359.9	Pn	09:55:18.173	2.3					T__						15138676	FDSN	SK	--	BUD	BUD	EHZ	???	_
KORU	1.27	93.4	Pn	09:55:17.244	-0.1					T__						15138677	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
2018/10/11	10:21:33.32	1.06	0.95	46.9210	17.4536	5.3	4.0	47	0.0S	15	11	74	0.21	1.48	m	kx	BUD	15129938	iLoc			111
2018/10/11	10:21:33.28f		2.25	46.8548	17.2699f				0.0S	15		78	0.13	1.44	m	kx	BUD_GT	15137202	BUD			96

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

Magnitude	Err	Nsta	Author	OrigID
M	2.2	7	BUD	15137202

Sta	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	10:21:36.927	0.4					T__						15138678	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A261A	0.13	319.5	Lg	10:21:43.123	3.9					T__						15138679	FDSN	Z3	00	BUD	BUD	HHN	???	_
A263A	0.22	171.8	Lg	10:21:45.703	3.6					T__						15138682	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.37	30.2	Pg	10:21:38.979	-2.2					T__						15138680	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.37	30.2	Lg	10:21:44.742	-2.4					T__						15138681	FDSN	HU	--	BUD	BUD	BHN	???	_
BEHE	0.51	221.7	Pg	10:21:47.349	3.3					T__						15138684	FDSN	HU	--	BUD	BUD	BHZ	???	_
A260A	0.58	318.3	Lg	10:21:55.287	1.2					T__						15138683	FDSN	Z3	00	BUD	BUD	HHN	???	_
A266A	0.76	115.3	Lg	10:21:55.905	-4.5					T__						15138685	FDSN	Z3	00	BUD	BUD	HHE	???	_
KOGS	0.81	240.3	Pn	10:21:52.015	0.7					T__						15138689	FDSN	SL	--	BUD	BUD	BHZ	???	_
CSKK	0.85	52.7	Pg	10:21:49.854	-0.6					T__						15138686	FDSN	HU	--	BUD	BUD	HHZ	???	_
KOVH	0.96	142.9	Pg	10:21:52.495	-0.2					T__						15138687	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.96	142.9	Lg	10:22:06.252	-1.1					T__						15138688	FDSN	HU	--	BUD	BUD	BHE	???	_
MORH	1.14	123.5	Pn	10:21:55.514	-0.2					T__						15138690	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.14	123.5	Sn	10:22:11.706	-1.5					T__						15138691	FDSN	HU	--	BUD	BUD	BHE	???	_
CONA	1.44	318.8	Lg	10:22:23.336	0.6					T__						15138692	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
2018/10/11	12:08:59.86	1.47	1.23	47.8232	20.1574	13.1	5.2	176	0.0S	10	6	176	0.20	1.44	m	kx	BUD	15129955	iLoc			241
2018/10/11	12:09:00.27f		0.92	47.8650	20.1529f				0.0S	10		172	0.18	1.46	m	kx	BUD_GT	15137205	BUD			228

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

Magnitude	Err	Nsta	Author	OrigID
M	1.7	5	BUD	15137205

Sta	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	12:09:04.559	-0.2					T__						15138693	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.18	287.2	Lg	12:09:07.504	-0.8					T__						15138694	FDSN	GE	--	BUD	BUD	BHN	???	_
KECS	0.66	19.7	Pg	12:09:15.203	1.7					T__						15138695	FDSN	SK	--	BUD	BUD	EHE	???	_
ABAH	0.85	59.0	Pg	12:09:16.851	-0.2					T__						15138696	FDSN	HU	--	BUD	BUD	HHE	???	_
ABAH	0.85	59.0	Lg	12:09:29.477	-1.6					T__						15138697	FDSN	HU	--	BUD	BUD	HHE	???	_
A336A	0.86	295.9	Pn	12:09:19.242	0.7					T__						15138698	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.86	295.9	Lg	12:09:29.079	-1.1					T__						15138699	FDSN	Z3	00	BUD	BUD	HH2	???	_
VYHS	1.08	306.0	Pg	12:09:22.192	0.2					T__						15138700	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.08	306.0	Lg	12:09:37.628	-0.3					T__						15138701	FDSN	SK	--	BUD	BUD	HHN	???	_
A267A	1.46	231.6	Sn	12:09:47.174	-0.4					T__						15138702	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	
2018/10/11	13:22:38.12	0.24	0.32	47.5796	16.3572	1.9	1.2	135	0.0F	0.0	16		4	0.13	0.65	a	kx	VIE	15110681	ISC			360
2018/10/11	13:22:38.02	1.18	0.82	47.6137	16.3642	4.2	3.3	153	0.0S		24	15	65	0.10	1.45	m	kx	BUD	15129967	iLoc			114

(locality : Burgruine-Landsee Austria)
(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	1.1		VIE	15110681
ml	1.6		VIE	15110681
M	1.6	5	BUD	15129967

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
RONA	0.10	331.9	Pg	13:22:40.457	0.1					T__		14.1	0.14	---		15129969	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.10	331.9	Lg	13:22:42.926	0.7					T__		53.5	0.28	---		15129970	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.15	62.0	Pg	13:22:41.502	0.1					T__				---		15129971	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.15	62.0	Lg	13:22:44.035	0.1					T__				---		15129972	FDSN	HU	--	BUD	iLoc	BHE	???	_
A011B	0.34	233.4	Pg	13:22:44.276	-0.6					T__				---		15129973	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.34	233.4	Lg	13:22:49.086	-0.9					T__				---		15129974	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CONA	0.46	313.1	Pg	13:22:47.343	-0.0					T__				---		15129975	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.46	313.1	Lg	13:22:54.282	-0.1					T__				---		15129976	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.46	313.1	Pg	13:22:47.856	0.5					T__		1.2	0.20	---		15129977	FDSN	IR	--	ISC	iLoc	???	???	_
A003A	0.49	72.4	Lg	13:22:54.599	-1.2					T__				---		15129978	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A012A	0.53	269.2	Lg	13:22:57.157	0.6					T__				---		15129979	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ARSA	0.68	237.8	Pg	13:22:50.413	-0.8					T__		2.2	0.24	---		15129980	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.68	237.8	Lg	13:23:00.246	-0.6					T__		7.1	0.36	---		15129981	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.68	237.8	Pg	13:22:53.897	2.7					T__				---		15129982	FDSN	OE	--	BUD	iLoc	BHZ	???	_

EGYH	0.68	106.4	Lg	13:23:02.717	0.3	T__	---	15129983	FDSN	HU	--	BUD	iLoc	HHN	???	_
A002B	0.77	11.6	Lg	13:23:03.564	-1.0	T__	---	15129984	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A013A	0.79	305.2	Pg	13:22:52.939	-0.4	T__	---	15129985	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.79	305.2	Lg	13:23:04.967	0.2	T__	---	15129986	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A019A	0.88	259.5	Lg	13:23:08.089	-0.3	T__	---	15129987	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MPLH	0.91	118.6	Lg	13:23:10.474	0.5	T__	---	15129988	FDSN	HU	--	BUD	iLoc	BHN	???	_
MODS	0.98	38.6	Pg	13:22:58.165	0.4	T__	---	15129989	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.98	38.6	Lg	13:23:12.347	0.2	T__	---	15129990	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOGS	1.17	183.9	Lg	13:23:17.449	-0.4	T__	---	15129991	FDSN	SL	--	BUD	iLoc	BHN	???	_
KRUC	1.45	0.8	Sn	13:23:24.795	-0.2	T__	---	15129992	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
2018/10/11	13:23:58.50		0.50	45.9130	16.1410				0.6A								a ke LJU	15110704	ISC			360
2018/10/11	13:23:59.52	0.55	0.43	45.9492	16.0800	4.0	1.8	120	0.0F	0.0	16		4	1.03	1.36	a sx	VIE	15110700	ISC			360
2018/10/11	13:23:58.12	0.88	0.91	45.9077	16.1545	3.0	2.5	146	0.0A		57	31	53	0.13	1.79	m ke	BUD	15130081	iLoc			75

Magnitude	Err	Nsta	Author	OrigID
ML	1.6		LJU	15110704
mb	1.7		VIE	15110700
m1	1.9		VIE	15110700
M	2.2	9	BUD	15130081

Sta	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	269.9	Pg	13:24:00.900	-0.2					T__						15130083	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.13	269.9	Lg	13:24:02.605	-0.9					T__						15130084	FDSN	CR	--	BUD	iLoc	BHN	???	_
PTJ	0.13	269.8	Pg	13:24:00.740	-0.7					T__						15130085	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.14	235.4	Pg	13:24:01.988	0.7					T__						15130086	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.14	235.4	Lg	13:24:04.842	1.0					T__						15130087	FDSN	CR	--	BUD	iLoc	BHN	???	_
LOBO	0.25	346.4	Pg	13:24:03.500	-0.2					T__						15130088	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.25	346.4	Lg	13:24:06.360	-1.6					T__						15130089	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.31	43.1	Pg	13:24:04.830	-0.3					T__						15130090	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.31	43.1	Lg	13:24:07.740	-2.8					T__						15130091	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.37	263.9	Pg	13:24:05.600	0.1					T__						15130092	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.37	263.9	Lg	13:24:10.430	-0.8					T__						15130093	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.37	263.9	IAML	13:24:12.180	-99.0					---		56.2	0.20			15130094	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.38	285.8	Pg	13:24:06.290	0.4					T__						15130095	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.38	285.8	IAML	13:24:12.650	-99.0					---		29.4	0.23			15130096	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.49	260.7	Pg	13:24:07.770	-0.0					T__						15130097	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.49	260.7	Lg	13:24:15.240	-0.1					T__						15130098	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.49	260.7	IAML	13:24:16.780	-99.0					---		24.8	0.15			15130099	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.51	124.8	Pg	13:24:09.440	0.6					T__						15130100	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.51	124.8	Lg	13:24:15.750	-1.1					T__						15130101	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.54	297.1	Pg	13:24:08.790	0.2					T__						15130102	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.54	297.1	IAML	13:24:16.960	-99.0					---		13.3	0.11			15130103	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.54	7.0	Pg	13:24:09.630	0.3					T__						15130104	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.54	7.0	Lg	13:24:16.920	-0.7					T__						15130105	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.54	7.0	IAML	13:24:19.560	-99.0					---		41.6	0.16			15130106	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.54	7.0	Pg	13:24:09.921	0.6					T__						15130107	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.54	7.0	Lg	13:24:16.812	-0.8					T__						15130108	FDSN	SL	--	BUD	iLoc	BHE	???	_
OZLJ	0.56	239.0	Pg	13:24:09.760	0.8					T__						15130109	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.56	239.0	Lg	13:24:17.030	-0.4					T__						15130110	FDSN	IR	--	ISC	iLoc	???	???	_

LEGS	0.59	274.3	Pg	13:24:09.750	0.3	T__	---	---	15130111	FDSN	IR	--	ISC	iLoc	???	???	_	
BEHE	0.71	37.3	Pg	13:24:13.871	1.0	T__	---	---	15130112	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
BEHE	0.71	37.3	Lg	13:24:24.260	0.3	T__	---	---	15130113	FDSN	HU	--	BUD	iLoc	BHN	???	_	
GROS	0.72	320.9	Pg	13:24:12.040	-0.1	T__	---	---	15130114	FDSN	IR	--	ISC	iLoc	???	???	_	
GROS	0.72	320.9	IAML	13:24:26.160	-99.0	---	4.0	0.08	---	15130115	FDSN	IR	--	ISC	iLoc	???	???	_
BOJS	0.75	237.8	Pg	13:24:12.950	0.3	T__	---	---	15130116	FDSN	IR	--	ISC	iLoc	???	???	_	
BOJS	0.75	237.8	IAML	13:24:27.570	-99.0	---	7.8	0.11	---	15130117	FDSN	IR	--	ISC	iLoc	???	???	_
PDKS	0.82	281.2	Pg	13:24:14.720	0.8	T__	---	---	15130118	FDSN	IR	--	ISC	iLoc	???	???	_	
PDKS	0.82	281.2	IAML	13:24:29.690	-99.0	---	14.1	0.16	---	15130119	FDSN	IR	--	ISC	iLoc	???	???	_
A021A	0.88	345.1	Pn	13:24:16.816	-0.2	T__	---	---	15130120	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A021A	0.88	345.1	Lg	13:24:28.504	0.9	T__	---	---	15130121	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A262A	0.99	15.0	Lg	13:24:33.286	0.5	T__	---	---	15130122	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
SOKA	1.09	315.1	Pg	13:24:19.515	0.4	T__	1.3	0.24	---	15130123	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.09	315.1	Lg	13:24:33.734	-0.8	T__	1.0	0.18	---	15130124	FDSN	IR	--	ISC	iLoc	???	???	_
PLIT	1.10	200.2	Pg	13:24:19.570	0.1	T__	---	---	15130125	FDSN	IR	--	ISC	iLoc	???	???	_	
PLIT	1.10	200.2	Lg	13:24:33.260	-1.8	T__	---	---	15130126	FDSN	IR	--	ISC	iLoc	???	???	_	
OBKA	1.27	298.9	Pn	13:24:22.968	0.3	T__	2.0	0.18	---	15130127	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.27	298.9	Lg	13:24:38.805	-1.7	T__	11.5	0.50	---	15130128	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.27	298.9	Pn	13:24:24.000	1.4	T__	---	---	15130129	FDSN	OE	--	BUD	iLoc	BHZ	???	_	
OBKA	1.27	298.9	Lg	13:24:40.752	0.2	T__	---	---	15130130	FDSN	OE	--	BUD	iLoc	BHE	???	_	
A252A	1.28	111.1	Pg	13:24:24.305	0.5	T__	---	---	15130131	FDSN	Z3	--	BUD	iLoc	BHZ	???	_	
A252A	1.28	111.1	Sn	13:24:40.551	-1.6	T__	---	---	15130132	FDSN	Z3	--	BUD	iLoc	BHN	???	_	
BLY	1.33	146.7	Sn	13:24:43.380	-0.0	T__	---	---	15130133	FDSN	MN	--	BUD	iLoc	BHE	???	_	
KOVH	1.37	81.7	Pg	13:24:25.662	-0.1	T__	---	---	15130134	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
KOVH	1.37	81.7	Sn	13:24:44.254	0.1	T__	---	---	15130135	FDSN	HU	--	BUD	iLoc	BHN	???	_	
ARSA	1.41	342.3	Pg	13:24:25.809	0.3	T__	---	---	15130136	FDSN	OE	--	BUD	iLoc	BHZ	???	_	
ARSA	1.41	342.3	Sn	13:24:43.815	-1.1	T__	1.3	0.16	---	15130137	FDSN	IR	--	ISC	iLoc	???	???	_
RABC	1.51	220.4	Sn	13:24:48.220	0.6	T__	---	---	15130138	FDSN	IR	--	ISC	iLoc	???	???	_	
NVLJ	1.62	214.5	Pn	13:24:28.960	1.0	T__	---	---	15130139	FDSN	IR	--	ISC	iLoc	???	???	_	
NVLJ	1.62	214.5	Sn	13:24:49.920	-0.5	T__	---	---	15130140	FDSN	IR	--	ISC	iLoc	???	???	_	
SMRN	1.66	238.9	Pn	13:24:28.380	0.1	T__	---	---	15130141	FDSN	IR	--	ISC	iLoc	???	???	_	
SMRN	1.66	238.9	Sn	13:24:49.810	-1.7	T__	---	---	15130142	FDSN	IR	--	ISC	iLoc	???	???	_	
A019A	1.71	334.8	Pg	13:24:32.394	0.9	T__	---	---	15130143	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
MORH	1.76	79.0	Pg	13:24:33.096	0.1	T__	---	---	15130144	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
MORH	1.76	79.0	Sn	13:24:55.493	2.0	T__	---	---	15130145	FDSN	HU	--	BUD	iLoc	BHE	???	_	
VIRC	1.79	206.2	Pn	13:24:31.140	0.6	T__	---	---	15130146	FDSN	IR	--	ISC	iLoc	???	???	_	
VIRC	1.79	206.2	Sn	13:24:54.690	-0.3	T__	---	---	15130147	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
2018/10/12	06:02:30.11	5.64	0.60	47.2873	18.2485	35.7	8.8	148	0.0S	5	3	288	0.08	0.36	m	kx	BUD	15129993	iLoc			351
2018/10/12	06:02:28.70f	0.68	0.68	47.2302	18.2835f				0.0S	5		300	0.13	0.41	m	kx	BUD_GT	15136048	BUD			344
(GT info : GT2 explosion)																						
(locality : Iszkaszentgyörgy Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.5	0.6	2 BUD	15136048

Sta	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	06:02:32.675	0.7					T__		125.5		---	MLv	15138703	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	06:02:34.202	-0.5					T__				---		15138704	FDSN	HU	--	BUD	BUD	HHN	???	_

A268A	0.32	309.6	Pg	06:02:36.017	0.4	T__	5.5	---	MLv	15138705	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A268A	0.32	309.6	Lg	06:02:40.369	-0.5	T__		---		15138706	FDSN	Z3	00	BUD	BUD	HHE	???	_
A269A	0.41	9.3	Lg	06:02:42.925	-1.1	T__		---		15138707	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
2018/10/12	08:09:07.51	1.77	2.07	48.5337	20.7495	17.2	4.7	6	0.0S	9	4	216	0.18	1.27	m	kx	BUD	15130008	iLoc			314
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.3	4 BUD	15130008

Sta	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	254.0	Pg	08:09:11.061	-0.3					T__	11.1	49.8		---	MLv	1.5	15130010	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.18	254.0	Lg	08:09:13.596	-0.8					T__				---		15130011	FDSN	SK	--	BUD	iLoc	EHN	???	_	
KECS	0.18	254.0	Lg	08:09:14.600	0.2					T__		0.5		---		15130012	FDSN	IR	--	ISC	iLoc	???	???	_	
(Station ML : 1.5 1																									
ABAH	0.40	125.9	Pg	08:09:17.895	2.1					T__	2.0	5.4		---	MLv	1.2	15130013	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	125.9	Lg	08:09:18.300	-4.5					T__				---		15130014	FDSN	IR	--	ISC	iLoc	???	???	_	
ABAH	0.40	125.9	Lg	08:09:22.819	0.1					T__				---		15130015	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 1																									
PSZ	0.84	223.2	Pg	08:09:25.435	0.2					T__	1.5	4.9		---	MLv	1.7	15130016	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.84	223.2	Lg	08:09:39.038	0.7					T__				---		15130017	FDSN	GE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.7 1																									
VYHS	1.27	268.9	Pn	08:09:31.813	0.0					T__	1.7	1.1		---	MLv	1.3	15130018	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
2018/10/12	10:07:49.03	2.04	0.66	47.2371	18.2829	17.6	6.0	138	0.0S	7	4	205	0.13	1.31	m	kx	BUD	15130037	iLoc			295
2018/10/12	10:07:49.07f	0.30	0.30	47.2302	18.2835f				0.0S	7		206	0.13	1.32	m	kx	BUD_GT	15136055	BUD			296
(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	10:07:52.538	0.1					T__				---		15138708	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:07:54.871	-0.2					T__				---		15138709	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:08:00.017	0.3					T__				---		15138710	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:08:07.084	-0.6					T__				---		15138711	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	1.29	57.1	Sn	10:08:32.641	-0.2					T__				---		15138712	FDSN	GE	--	BUD	BUD	BHE	???	_
VYHS	1.32	16.2	Pg	10:08:15.763	0.3					T__				---		15138713	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.32	16.2	Sn	10:08:33.156	0.2					T__				---		15138714	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
2018/10/13	08:32:13.77	2.63	0.97	48.2388	19.8589	22.5	6.1	48	0.0S	8	5	244	0.32	1.04	m	kx	BUD	15130046	iLoc			286

2018/10/13 08:32:15.80f 2.28 48.0061 19.6278f 0.0S 8 163 0.20 0.97 m kx BUD_GT 15137208 BUD 265
 (locality : Nagyl6c Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.20	116.0	Pg	08:32:20.484	-0.1					T__						15138715	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.20	116.0	Lg	08:32:27.007	2.6					T__						15138716	FDSN	GE	--	BUD	BUD	BHN	???	_
A336A	0.48	298.6	Pg	08:32:25.579	-0.0					T__						15138717	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.48	298.6	Lg	08:32:32.294	-0.5					T__						15138718	FDSN	Z3	00	BUD	BUD	HH2	???	_
BUD	0.66	218.2	Sn	08:32:49.276	5.7					T__						15138721	FDSN	HU	--	BUD	BUD	BHE	???	_
VYHS	0.72	313.0	Pg	08:32:30.065	-0.3					T__						15138719	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.72	313.0	Lg	08:32:39.739	-1.3					T__						15138720	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	0.97	297.5	Lg	08:32:50.034	0.6					T__						15138722	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
2018/10/13	09:43:36.12	3.00	1.14	46.1935	18.2565	31.6	5.7	147	0.0S	5	3	217	0.27	0.81	m	kx	BUD	15130162	iLoc			332
2018/10/13	09:43:36.02f	0.72	0.72	46.1765	18.2926f				0.0S	5		208	0.25	0.80	m	kx	BUD_GT	15137211	BUD			330

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

Magnitude Err Nsta Author OrigID

MLv 1.2 0.7 2 BUD 15137211

Sta	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	0.25	80.7	Pg	09:43:42.459	0.9					T__		3.4			MLv	15138723	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:43:46.096	0.2					T__						15138724	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.42	232.1	Lg	09:43:50.539	-1.1					T__						15138725	FDSN	Z3	--	BUD	BUD	HHE	???	_
A252A	0.80	202.9	Pn	09:43:53.328	-0.5					T__		5.5			MLv	15138726	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	09:44:04.191	-0.4					T__						15138727	FDSN	Z3	--	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
2018/10/13	10:03:09.15	1.38	0.56	46.1771	16.0124	9.1	4.4	113	0.0S	10	7	155	0.27	1.75	m	sx	BUD	15130056	iLoc			196

(locality : Ocura Croatia)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID

ML 2.1 0.3 3 BUD 15130056

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
PTJ	0.27	186.5	Lg	10:03:19.810	0.6					T__						15130058	FDSN	CR	--	BUD	iLoc	BHE	???	_		
KOGS	0.32	31.2	Pg	10:03:15.831	-0.1					T__	6.2	154.2			MLv	2.4	15130059	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	
KOGS	0.32	31.2	Lg	10:03:20.702	-0.3					T__						15130060	FDSN	SL	--	BUD	iLoc	BHE	???	_		
(Station ML : 2.4 1																										
CRES	0.52	228.0	Pg	10:03:19.193	-0.2					T__	1.7	22.6			MLv	2.1	15130061	FDSN	SL	--	BUD	iLoc	BHZ	BHZ	_	

CRES	0.52	228.0	Lg	10:03:26.740	-0.7	T__								15130062	FDSN	SL	--	BUD	iLoc	BHE	???	_	
(Station ML : 2.1 1																							
A010A	0.90	2.9	Lg	10:03:40.415	0.6	T__								15130063	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
OBKA	1.07	288.7	Lg	10:03:45.676	0.8	T__								15130064	FDSN	OE	--	BUD	iLoc	BHN	???	_	
ARSA	1.13	342.8	Pg	10:03:30.856	-0.1	T__	1.3	5.9					MLv	1.9	15130065	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.13	342.8	Lg	10:03:46.431	-0.6	T__								15130066	FDSN	OE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.9 1																							
CONA	1.75	356.7	Sn	10:04:04.981	0.2	T__								15130067	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
2018/10/15	08:00:20.42	1.38	0.65	48.5836	20.7930	10.9	4.6	12	0.0S		12	8	167	0.23	1.56	m	kx BUD	15130148	iLoc			191
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	7	BUD	15130148

Sta	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	243.9	Pg	08:00:25.228	0.1					T__						15130150	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	243.9	Lg	08:00:29.287	0.5					T__						15130151	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.41	133.9	Pg	08:00:29.323	0.4					T__						15130152	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	133.9	Lg	08:00:34.958	-1.0					T__						15130153	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.90	222.4	Pn	08:00:40.199	0.6					T__						15130154	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	222.4	Lg	08:00:52.427	-0.8					T__						15130155	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.04	303.5	Pg	08:00:40.979	0.1					T__						15130156	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.25	254.3	Pg	08:00:45.837	0.5					T__						15130157	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
TRPA	1.25	110.6	Pg	08:00:44.805	0.3					T__						15130158	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.30	266.8	Pg	08:00:46.488	0.1					T__						15130159	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	266.8	Sn	08:01:03.829	-0.8					T__						15130160	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	1.56	279.0	Sn	08:01:10.420	-0.6					T__						15130161	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
2018/10/15	09:06:15.92	1.33	0.90	48.3597	19.0769	5.9	4.2	56	0.0S		15	11	124	0.14	1.20	m	kx BUD	15130177	iLoc			170
(description : known quarry blast)																						
(locality : Teplicky Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.4	0.4	3 BUD	15130177

Sta	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	202.4	Pg	09:06:19.374	0.5					T__	175.1	915.2			MLv	2.6	15130179	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A336A	0.14	202.4	Lg	09:06:23.158	2.0					T__						15130180	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
(Station ML : 2.6 1																									
VYHS	0.21	310.1	Pg	09:06:20.910	0.6					T__	12.1	6.4			MLv	0.7	15130181	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.21	310.1	Lg	09:06:23.998	0.3					T__						15130182	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 0.7 1																									
A335A	0.50	280.3	Pg	09:06:26.144	0.0					T__	12.5	51.3			MLv	2.4	15130183	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A335A	0.50	280.3	Lg	09:06:33.257	-0.4					T__						15130184	FDSN	Z3	00	BUD	iLoc	HHN	???	_	

(Station ML : 2.4 1

A270A	0.52	184.4	Lg	09:06:33.925	-0.7	T__	---	15130185	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.59	234.9	Lg	09:06:35.336	-1.6	T__	---	15130186	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A332A	0.60	317.8	Lg	09:06:36.837	-0.0	T__	---	15130187	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.70	128.6	Lg	09:06:40.807	-1.2	T__	---	15130188	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.95	82.0	Lg	09:06:49.178	0.3	T__	---	15130189	FDSN	SK	--	BUD	iLoc	EHE	???	_
JAVC	1.06	298.7	Lg	09:06:52.471	0.0	T__	---	15130190	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CSKK	1.14	209.2	Lg	09:06:55.765	0.3	T__	---	15130191	FDSN	HU	--	BUD	iLoc	HHE	???	_
MODS	1.20	271.3	Pg	09:06:39.847	-0.1	T__	---	15130192	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.20	271.3	Sn	09:06:56.588	-0.4	T__	---	15130193	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
2018/10/16	07:24:18.09	1.02	0.92	48.5505	19.3396	5.3	4.0	1	0.0S		17	12	84	0.34	1.70	m	kx BUD	15130207	iLoc			115
(locality : Remata Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	6	BUD	15130207

Sta	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	260.6	Pg	07:24:25.817	0.8				T__		---				15130209	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
VYHS	0.34	260.6	Lg	07:24:30.102	-0.1				T__		---				15130210	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A336A	0.39	215.7	Pg	07:24:27.020	1.0				T__		---				15130211	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A336A	0.39	215.7	Lg	07:24:32.286	0.4				T__		---				15130212	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
LANS	0.61	8.0	Lg	07:24:38.880	-0.1				T__		---				15130213	FDSN	SK	--	BUD	iLoc	EHN	???	_	
A335A	0.68	261.5	Pg	07:24:32.704	1.0				T__		---				15130214	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A335A	0.68	261.5	Lg	07:24:40.984	-0.7				T__		---				15130215	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
PSZ	0.73	149.4	Pg	07:24:33.120	-0.5				T__		---				15130216	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.73	149.4	Lg	07:24:44.161	-1.0				T__		---				15130217	FDSN	GE	--	BUD	iLoc	BHN	???	_	
KECS	0.76	94.6	Lg	07:24:45.325	0.5				T__		---				15130218	FDSN	SK	--	BUD	iLoc	EHN	???	_	
A338A	0.85	231.3	Pn	07:24:36.096	-0.1				T__		---				15130219	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
A331A	0.95	309.5	Sn	07:24:51.242	-1.7				T__		---				15130220	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
JAVC	1.15	286.2	Sn	07:24:58.081	0.0				T__		---				15130221	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
ABAH	1.29	100.7	Pg	07:24:44.942	1.7				T__		---				15130222	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ABAH	1.29	100.7	Lg	07:25:03.692	-0.5				T__		---				15130223	FDSN	HU	--	BUD	iLoc	HHE	???	_	
OJC	1.70	10.0	Lg	07:25:14.188	-1.0				T__		---				15130224	FDSN	PL	--	BUD	iLoc	BHE	???	_	
MORC	1.70	316.8	Sn	07:25:11.593	-0.4				T__		---				15130225	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
2018/10/16	07:38:09.15	1.59	0.73	48.6030	20.7550	10.4	5.5	29	0.0A		6	3	190	0.22	1.01	m	ke BUD	15130251	iLoc			292

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	3 BUD	15130251

Sta	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	236.3	Pg	07:38:13.773	0.1				T__		14.9	78.9			MLv	1.8	15130253	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
KECS	0.22	236.3	Lg	07:38:17.132	0.0				T__		---					15130254	FDSN	SK	--	BUD	iLoc	EHN	???	_	

(Station ML : 1.8 1

ABAH	0.45	133.4	Pg	07:38:18.759	0.5	T__	1.5	4.3	---	MLv	1.2	15130255	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.45	133.4	Lg	07:38:24.956	-0.9	T__			---			15130256	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.2 1																				
LANS	1.01	303.3	Pg	07:38:29.353	0.4	T__	2.8	3.5	---	MLv	1.6	15130257	FDSN	SK	--	BUD	iLoc	EHZ	EHZ	_
LANS	1.01	303.3	Lg	07:38:43.167	-0.6	T__			---			15130258	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
2018/10/16	10:01:08.46	0.45	0.22	48.1446	16.9395	3.1	2.3	106	0.0F	0.0	11	3	0.62	1.31	a	kx	VIE	15110811	ISC			360
2018/10/16	10:01:08.20	0.94	1.03	48.1708	16.8792	5.5	3.4	143	0.0S		23	12	82	0.33	1.45	m	kx	BUD	15130226	iLoc		103
(locality : Hainburg Austria)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15110811
ml	1.8		VIE	15110811
M	1.9	7	BUD	15130226

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.33	52.6	Pg	10:01:14.766	-0.7					T__						15130228	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.33	52.6	Lg	10:01:19.866	-1.0					T__						15130229	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.61	220.0	Pg	10:01:20.224	-0.4					T__		0.6	0.10			15130230	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.61	220.0	Lg	10:01:28.777	-1.0					T__		8.6	0.24			15130231	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.72	250.8	Pg	10:01:22.959	0.3					T__						15130232	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.72	250.8	Lg	10:01:29.993	-3.5					T__						15130233	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.72	250.8	Pg	10:01:22.815	0.1					T__		0.3	0.12			15130234	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.81	157.8	Lg	10:01:37.387	0.6					T__						15130235	FDSN	HU	--	BUD	iLoc	HHE	???	_
JAVC	0.87	37.1	Pn	10:01:28.528	1.5					T__						15130236	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.87	37.1	Sn	10:01:41.276	-0.2					T__						15130237	FDSN	CZ	--	BUD	iLoc	BHE	???	_
KRUC	0.95	340.4	Pn	10:01:27.996	0.2					T__						15130238	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.95	340.4	Sn	10:01:42.609	-0.4					T__						15130239	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A013A	0.99	264.3	Lg	10:01:42.534	0.7					T__						15130240	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	1.01	73.6	Pg	10:01:28.020	-0.4					T__						15130241	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.01	73.6	Lg	10:01:43.003	-0.2					T__						15130242	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.10	155.7	Lg	10:01:44.938	-1.2					T__						15130243	FDSN	HU	--	BUD	iLoc	BHN	???	_
VRAC	1.15	350.7	Pn	10:01:31.188	0.5					T__						15130244	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.15	350.7	Sn	10:01:47.791	-0.2					T__						15130245	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.30	225.3	Pg	10:01:33.583	0.2					T__		1.9	0.32			15130246	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.30	225.3	Pn	10:01:33.414	0.7					T__						15130247	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.30	225.3	Sn	10:01:52.026	0.4					T__						15130248	FDSN	OE	--	BUD	iLoc	BHE	???	_
TREC	1.45	321.2	Pg	10:01:36.158	0.5					T__						15130249	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
TREC	1.45	321.2	Sn	10:01:56.175	0.6					T__						15130250	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	
2018/10/17	04:32:11.64	1.19	0.81	48.6480	19.4144	4.9	3.9	170	10.4F	16.2	18	10	98	0.41	1.67	m	ke	BUD	15130272	iLoc			149

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15130272

Sta	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	0.41	248.4	Pg	04:32:20.590	0.4					T__						15130274	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.41	248.4	Lg	04:32:25.824	-0.6					T__						15130275	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.50	213.8	Pg	04:32:22.715	0.9					T__						15130276	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.50	213.8	Lg	04:32:29.371	0.2					T__						15130277	FDSN	Z3	00	BUD	iLoc	HH2	???	_
LANS	0.50	4.0	Pg	04:32:22.658	0.9					T__						15130278	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.50	4.0	Lg	04:32:28.939	-0.3					T__						15130279	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.73	102.6	Pn	04:32:26.875	-0.0					T__						15130280	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.73	102.6	Lg	04:32:35.833	-1.0					T__						15130281	FDSN	SK	--	BUD	iLoc	EHN	???	_
A335A	0.74	254.7	Pn	04:32:26.557	-0.5					T__						15130282	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.74	254.7	Lg	04:32:35.870	-1.2					T__						15130283	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.80	156.1	Pn	04:32:28.309	0.3					T__						15130284	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.80	156.1	Lg	04:32:39.109	-1.0					T__						15130285	FDSN	GE	--	BUD	iLoc	BHE	???	_
A331A	0.93	303.0	Sn	04:32:44.112	0.2					T__						15130286	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.95	228.6	Pg	04:32:31.290	0.7					T__						15130287	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.95	228.6	Lg	04:32:43.405	-0.4					T__						15130288	FDSN	Z3	00	BUD	iLoc	HH2	???	_
ABAH	1.26	105.5	Pg	04:32:36.838	0.6					T__						15130289	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.26	105.5	Lg	04:32:54.028	-1.0					T__						15130290	FDSN	HU	--	BUD	iLoc	HHE	???	_
MORC	1.67	313.3	Lg	04:33:04.446	-0.9					T__						15130291	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	
2018/10/17	07:24:22.12	1.09	0.74	48.6891	18.6578	7.0	3.6	51	0.0S		19	10	166	0.17	1.49	m	kx	BUD	15130292	iLoc			182
(description : known quarry blast)																							
(locality : Mala-Lehota Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15130292

Sta	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	312.1	Pg	07:24:25.817	0.1					T__						15130294	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.17	312.1	Lg	07:24:28.486	0.1					T__						15130295	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.23	148.7	Pg	07:24:27.179	0.3					T__						15130296	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.23	148.7	Lg	07:24:29.880	-0.5					T__						15130297	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.32	221.5	Pg	07:24:28.785	-0.0					T__						15130298	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.32	221.5	Lg	07:24:34.004	0.3					T__						15130299	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.51	153.4	Pg	07:24:33.110	0.7					T__						15130300	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.51	153.4	Lg	07:24:40.115	0.1					T__						15130301	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.67	285.0	Pg	07:24:35.904	0.1					T__						15130302	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.67	285.0	Lg	07:24:46.602	0.8					T__						15130303	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A338A	0.70	196.9	Pn	07:24:37.547	-0.7					T__						15130304	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.70	196.9	Lg	07:24:48.079	1.4					T__						15130305	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MODS	0.97	251.5	Pg	07:24:41.305	-0.4					T__						15130306	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.97	251.5	Lg	07:24:55.500	-0.3					T__						15130307	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.13	132.6	Sn	07:25:00.140	-1.8					T__						15130308	FDSN	GE	--	BUD	iLoc	BHN	???	_
MORC	1.31	326.5	Pn	07:24:47.052	0.2					T__						15130309	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.31	326.5	Lg	07:25:05.645	1.1					T__						15130310	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CSKK	1.35	191.5	Lg	07:25:09.314	0.9					T__						15130311	FDSN	HU	--	BUD	iLoc	HHE	???	_
VRAC	1.49	295.3	Pn	07:24:49.407	0.1					T__						15130312	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.49	295.3	Lg	07:25:11.426	-0.1					T__						15130313	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
2018/10/17	10:32:59.37	0.96	1.02	48.2068	21.2615	5.0	4.1	171	0.0S		21	13	81	0.09	1.96	m	kx	BUD	15130314	iLoc		109
2018/10/17	10:32:59.62f	1.00	48.2470	21.2460f					0.0S		21		78	0.05	2.00	m	kx	BUD_GT	15137214	BUD		107

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

Magnitude	Err	Nsta	Author	OrigID
M	2.3	7	BUD	15137214

Sta	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	10:33:01.152	-0.0					T__						15138728	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	10:33:02.532	-0.1					T__						15138729	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	10:33:11.027	0.2					T__						15138730	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	10:33:19.152	-0.2					T__						15138731	FDSN	SK	--	BUD	BUD	EHN	???	_
HOLU	0.81	69.3	Pn	10:33:16.792	-1.0					T__						15138732	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:33:29.573	0.7					T__						15138733	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	10:33:17.467	0.8					T__						15138734	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	10:33:30.440	-1.1					T__						15138735	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pn	10:33:19.525	-0.3					T__						15138736	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	10:33:33.115	-1.7					T__						15138737	FDSN	GE	--	BUD	BUD	BHE	???	_
KOLS	0.97	44.4	Pn	10:33:19.667	-0.5					T__						15138739	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	10:33:34.414	0.6					T__						15138740	FDSN	SK	--	BUD	BUD	HHE	???	_
MUKU	0.98	77.3	Pg	10:33:19.353	0.8					T__						15138738	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Pn	10:33:24.263	0.9					T__						15138741	FDSN	UA	--	BUD	BUD	MHZ	???	_
NIE	1.33	332.6	Pn	10:33:27.442	2.5					T__						15138742	FDSN	PL	--	BUD	BUD	BHZ	???	_
NIE	1.33	332.6	Sn	10:33:45.844	0.7					T__						15138743	FDSN	PL	--	BUD	BUD	BHE	???	_
VVHS	1.63	279.6	Sn	10:33:53.480	1.2					T__						15138744	FDSN	SK	--	BUD	BUD	HHN	???	_
KWP	1.69	34.3	Sn	10:33:55.346	0.6					T__						15138745	FDSN	PL	--	BUD	BUD	BHE	???	_
DRGR	1.76	145.2	Pn	10:33:30.981	-0.3					T__						15138746	FDSN	RO	--	BUD	BUD	BHZ	???	_
DRGR	1.76	145.2	Sn	10:33:53.828	-1.9					T__						15138747	FDSN	RO	--	BUD	BUD	BHN	???	_
SIRR	2.00	171.7	Sn	10:34:01.695	0.7					T__						15138748	FDSN	RO	--	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
2018/10/17	10:37:09.79	1.42	0.45	48.5793	20.7622	10.6	5.0	24	0.0S		9	5	187	0.21	1.28	m	kx	BUD	15130337	iLoc		277

(description : known quarry blast)
(locality : Slanec Slovakia)

Magnitude	Err	Nsta	Author	OrigID
M	1.4	5	BUD	15130337

Sta	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	242.5	Pg	10:37:14.756	0.6					T__						15130339	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.21	242.5	Lg	10:37:17.283	-0.2					T__						15130340	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.43	131.5	Pg	10:37:19.032	0.5					T__						15130341	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	131.5	Lg	10:37:25.229	-0.6					T__						15130342	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.88	221.6	Pn	10:37:28.449	-0.3					T__						15130343	FDSN	GE	--	BUD	iLoc	BHZ	???	_
LANS	1.03	304.3	Pg	10:37:30.163	0.2					T__						15130344	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.03	304.3	Lg	10:37:45.085	0.1					T__						15130345	FDSN	SK	--	BUD	iLoc	EHN	???	_

VYHS	1.28	266.9	Pg	10:37:35.218	-0.1	T__	---	15130346	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	266.9	Lg	10:37:54.225	0.1	T__	---	15130347	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
2018/10/17	11:16:01.77	1.33	0.92	48.3721	17.1525	11.4	2.3	95	0.0F	0.0	13	3	0.88	0.97	a	sx	VIE	15110827	ISC			360
2018/10/17	11:16:01.47	0.92	1.11	48.3835	17.2104	3.8	3.1	159	0.0S		30	18	69	0.05	1.61	m	kx	BUD	15130354	iLoc		77

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

(description : known quarry blast)

(locality : Rohoznik Slovakia)

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15110827
ml	1.7		VIE	15110827
M	2.0	12	BUD	15130354

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.05	103.3	Pg	11:16:03.085	0.0					T__						15130356	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.05	103.3	Lg	11:16:04.085	-0.4					T__						15130357	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	0.05	102.5	Lg	11:16:05.000	0.5					T__						15130358	FDSN	IR	--	ISC	iLoc	???	???	_
A333A	0.34	348.0	Pg	11:16:10.207	1.7					T__						15130359	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.41	109.6	Pg	11:16:10.902	0.9					T__						15130360	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.54	310.2	Pg	11:16:13.733	1.6					T__						15130361	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.54	310.2	Lg	11:16:21.520	1.4					T__						15130362	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.57	32.5	Pg	11:16:12.522	-0.6					T__						15130363	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.57	32.5	Lg	11:16:21.690	0.0					T__						15130364	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A335A	0.75	84.7	Pg	11:16:15.958	-0.6					T__						15130365	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.75	84.7	Lg	11:16:28.180	0.5					T__						15130366	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	0.87	321.8	Pn	11:16:18.932	-1.1					T__						15130367	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
RONA	0.92	222.2	Pg	11:16:19.723	-0.1					T__		3.2	0.14			15130368	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.92	222.2	Lg	11:16:31.671	-1.7					T__		2.9	0.24			15130369	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.01	243.7	Pn	11:16:22.294	0.1					T__						15130370	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.01	243.7	Sn	11:16:38.802	0.5					T__						15130371	FDSN	OE	--	BUD	iLoc	BHE	???	_
VRAC	1.01	336.5	Pn	11:16:21.548	-0.5					T__						15130372	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.01	336.5	Sn	11:16:36.501	-1.3					T__						15130373	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CONA	1.01	243.7	Pg	11:16:21.795	0.2					T__		1.2	0.22			15130374	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.01	243.7	Lg	11:16:33.384	-3.1					T__		5.8	0.32			15130375	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	1.07	153.0	Pg	11:16:24.423	1.7					T__						15130376	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VYHS	1.09	83.6	Pn	11:16:22.260	-0.9					T__						15130377	FDSN	SK	--	BUD	iLoc	HHZ	???	_
CSKK	1.24	144.9	Lg	11:16:44.853	0.9					T__						15130378	FDSN	HU	--	BUD	iLoc	HHE	???	_
A013A	1.25	255.8	Pg	11:16:26.201	0.5					T__						15130379	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	1.25	255.8	Sn	11:16:44.035	0.3					T__						15130380	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORC	1.41	8.8	Pg	11:16:28.247	-0.1					T__						15130381	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.41	8.8	Sn	11:16:48.461	0.5					T__						15130382	FDSN	CZ	--	BUD	iLoc	BHN	???	_
OKC	1.58	22.6	Pg	11:16:32.393	0.9					T__						15130383	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
ARSA	1.61	225.7	Pg	11:16:33.629	1.0					T__						15130384	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.61	225.7	Lg	11:16:55.957	1.0					T__						15130385	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
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2018/10/18 08:32:17.88 1.91 0.60 47.3469 18.3950 13.4 10.5 98 0.0S 4 3 172 0.09 1.14 m kx BUD 15130348 iLoc 281
 (description : known 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	280.2	Pg	08:32:20.731	0.3					T__						15130350	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.09	280.2	Lg	08:32:22.081	-0.4					T__						15130351	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.29	358.3	Lg	08:32:28.813	-0.2					T__						15130352	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.14	171.3	Sn	08:32:57.395	-0.2					T__						15130353	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
 2018/10/18 09:02:49.92 2.14 1.25 48.6987 20.8010 15.9 5.5 7 0.0S 11 6 213 0.30 1.32 m kx BUD 15130386 iLoc 242
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 4 BUD 15130386

Sta	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	224.3	Pg	09:02:57.034	1.0					T__						15130388	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.30	224.3	Lg	09:03:00.112	-0.7					T__						15130389	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.30	224.3	Lg	09:03:01.400	0.6					T__		0.9				15130390	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.50	143.9	Pg	09:03:01.097	1.1					T__						15130391	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.50	143.9	Lg	09:03:07.429	-1.0					T__						15130392	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.99	218.1	Pg	09:03:11.665	1.0					T__						15130393	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.99	218.1	Lg	09:03:25.397	-0.5					T__						15130394	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.29	249.4	Sn	09:03:31.014	-2.5					T__						15130395	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.29	115.5	Sn	09:03:33.667	-0.8					T__						15130396	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.32	261.8	Pg	09:03:16.922	0.7					T__						15130397	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	261.8	Sn	09:03:34.761	0.2					T__						15130398	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
 2018/10/18 09:08:55.26 1.37 0.64 48.3828 18.4621 6.4 4.5 15 0.0S 11 7 78 0.11 0.79 m kx BUD 15130399 iLoc 157
 (locality : Hostie Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.3 4 BUD 15130399

Sta	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	307.4	Pg	09:08:58.000	0.3					T__						15130401	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.11	307.4	Lg	09:09:00.303	0.7					T__						15130402	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.27	65.8	Pg	09:09:01.020	0.1					T__						15130403	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.27	65.8	Lg	09:09:04.863	-0.3					T__						15130404	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.38	191.3	Pg	09:09:03.634	0.6					T__						15130405	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.39	112.5	Lg	09:09:08.584	-0.5					T__						15130406	FDSN	Z3	00	BUD	iLoc	HH2	???	_

A332A	0.42	0.2	Lg	09:09:10.132	0.1	T__	---	15130407	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	0.71	312.5	Pg	09:09:09.883	0.2	T__	---	15130408	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.71	312.5	Lg	09:09:19.612	-0.6	T__	---	15130409	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MODS	0.79	269.7	Pg	09:09:11.476	0.1	T__	---	15130410	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.79	269.7	Lg	09:09:21.758	-1.3	T__	---	15130411	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
2018/10/18	09:26:40.90	1.62	1.48	45.9610	17.9331	15.0	6.9	108	0.0S	7	5	160		0.17	1.24	m	kx BUD	15130412	iLoc			284
2018/10/18	09:26:44.24f		0.43	46.1204	18.0243f				0.0S	6		221		0.06	1.10	m	kx BUD_GT	15137217	BUD			265

(GT info : GT2 explosion)

(locality : Bükkösd-I Hungary)

(description : known quarry blast)

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	0.06	121.4	Pg	09:26:46.096	-0.1					T__						15138750	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.06	121.4	Lg	09:26:47.417	-0.4					T__						15138751	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	215.5	Pg	09:26:40.523	-9.2					---						15138749	FDSN	Z3	--	BUD	BUD	HHZ	???	_
A266A	0.44	22.3	Lg	09:27:01.469	0.8					T__						15138755	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.44	77.3	Pg	09:26:53.408	-0.1					T__						15138753	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.44	77.3	Lg	09:27:00.184	-0.5					T__						15138754	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.70	190.3	Lg	09:26:58.858	-10.3					---						15138752	FDSN	Z3	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.5	Sn	09:27:23.494	0.3					T__						15138756	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
2018/10/18	10:09:51.49	1.31	0.72	47.2302	18.2631	8.0	4.8	76	0.0S	9	6	152		0.13	1.15	m	kx BUD	15130422	iLoc			248
2018/10/18	10:09:51.44f		0.61	47.2302	18.2835f				0.0S	9		161		0.13	1.15	m	kx BUD_GT	15136088	BUD			250

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Tállya Hungary)

Magnitude	Err	Nsta	Author	OrigID
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ML	1.2	0.2	3 BUD	15130422
ML	1.2	0.2	3 BUD	15136088

Sta	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	10:09:55.008	0.2					T__		240.8			MLv	15138757	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	10:09:57.431	-0.0					T__						15138758	FDSN	HU	--	BUD	BUD	HHN	???	_
A267A	0.31	154.4	Lg	10:10:04.096	0.7					T__						15138759	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	10:10:02.417	0.3					T__		3.7			MLv	15138760	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	10:10:09.687	-0.4					T__						15138761	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.71	181.1	Lg	10:10:15.911	-0.7					T__						15138762	FDSN	Z3	00	BUD	BUD	HHN	???	_
MORH	1.04	166.1	Pg	10:10:13.219	0.9					T__		1.0			MLv	15138763	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	10:10:27.899	-0.1					T__						15138764	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	1.15	186.4	Sn	10:10:30.391	-1.1					T__						15138765	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
2018/10/19	09:16:56.02	1.47	1.18	47.1903	18.4010	10.2	6.1	139	0.0S	8	5	137	0.20	1.34	m	kx	BUD	15130446	iLoc			214
2018/10/19	09:16:56.74f	1.62	47.2302	18.2835f					0.0S	8	129	0.13	1.32	m	kx	BUD_GT	15136095	BUD				206

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	3	BUD	15136095

Sta	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	09:17:00.531	0.5					T__						15138766	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	09:17:03.578	0.8					T__						15138767	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	09:17:09.463	2.1					T__						15138768	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	09:17:17.427	2.1					T__						15138769	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	1.15	186.4	Sn	09:17:33.491	-3.3					T__						15138770	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Sn	09:17:41.039	0.6					T__						15138771	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	1.32	16.2	Pg	09:17:23.451	0.3					T__						15138772	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.32	16.2	Lg	09:17:41.939	-0.1					T__						15138773	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
2018/10/19	09:43:34.86	1.10	0.78	45.6050	17.3016	7.3	4.8	12	0.0S	12	6	102	0.42	1.12	m	sx	BUD	15130456	iLoc			174

(locality : Batinjska-Rijeka Croatia)
(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	2.0	7	BUD	15130456

Sta	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	113.6	Pg	09:43:44.230	0.6					T__						15130458	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.42	113.6	Lg	09:43:50.362	-0.0					T__						15130459	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.74	48.8	Pg	09:43:50.404	0.3					T__						15130460	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.74	48.8	Lg	09:44:01.645	-0.1					T__						15130461	FDSN	HU	--	BUD	iLoc	BHN	???	_
BLY	0.82	186.0	x	09:43:54.209	-99.0					---						15130462	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.82	186.0	Sn	09:44:05.853	-1.5					T__						15130463	FDSN	MN	--	BUD	iLoc	BHN	???	_
A265A	0.89	22.6	Pn	09:43:54.521	0.6					T__						15130464	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
BEHE	0.94	337.2	Pn	09:43:55.920	1.0					T__						15130465	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.94	337.2	Lg	09:44:07.869	-0.6					T__						15130466	FDSN	HU	--	BUD	iLoc	BHE	???	_
PTJ	0.98	288.4	Pg	09:43:54.544	0.2					T__						15130467	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.98	288.4	Lg	09:44:08.802	-0.3					T__						15130468	FDSN	CR	--	BUD	iLoc	BHN	???	_
MORH	1.12	56.4	Pg	09:43:57.115	-0.3					T__						15130469	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.12	56.4	Lg	09:44:13.444	-1.0					T__						15130470	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
2018/10/19	10:00:27.69	1.10	1.04	48.1207	16.9475	9.0	4.3	143	0.0S	14	7	155	0.34	1.31	m	sx	BUD	15130471	iLoc			187

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

Magnitude Err Nsta Author OrigID
ML 1.5 0.4 3 BUD 15130471

Sta	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	0.34	41.0	Pg	10:00:34.620	-0.3					T__						15130473	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.34	41.0	Lg	10:00:40.187	-0.2					T__						15130474	FDSN	SK	--	BUD	iLoc	HHE	???	_	
CONA	0.75	255.6	Pg	10:00:42.861	0.1					T__	0.9	4.0			MLv	1.5	15130475	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.75	255.6	Lg	10:00:53.494	-0.5					T__						15130476	FDSN	OE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.5 1																									
JAVC	0.88	32.8	Pn	10:00:48.171	1.4					T__						15130477	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
JAVC	0.88	32.8	Sn	10:01:00.694	-0.6					T__						15130478	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
KRUC	1.01	338.9	Pn	10:00:48.243	0.0					T__						15130479	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
KRUC	1.01	338.9	Lg	10:01:01.968	0.7					T__						15130480	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
VRAC	1.21	349.0	Pn	10:00:51.008	-0.0					T__						15130481	FDSN	CZ	--	BUD	iLoc	BHZ	???	_	
VRAC	1.21	349.0	Lg	10:01:07.825	0.5					T__						15130482	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
ARSA	1.30	228.4	Pg	10:00:53.185	0.3					T__	2.4	5.1			MLv	1.9	15130483	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.30	228.4	Lg	10:01:12.008	0.5					T__						15130484	FDSN	OE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.9 1																									
VYHS	1.31	72.8	Pg	10:00:54.805	0.9					T__	1.7	1.0			MLv	1.2	15130485	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.31	72.8	Sn	10:01:08.845	-2.7					T__						15130486	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		
2018/10/19	10:16:45.99	1.23	0.32	48.2316	21.2387	6.4	4.4	147	0.0S		10	6	155	0.06	0.98	m	kx BUD	15130500	iLoc			200		
2018/10/19	10:16:46.17f		0.39	48.2470	21.2460f				0.0S		10		153	0.05	0.97	m	kx BUD_GT	15136100	BUD			198		
(description : known quarry blast)																								
(locality : Táallya Hungary)																								
(GT info : GT2 explosion)																								

Magnitude Err Nsta Author OrigID
ML 1.7 0.1 3 BUD 15130500
ML 1.7 0.1 3 BUD 15136100

Sta	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	10:16:47.880	0.1					T__		677.0			MLv	15138774	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:16:49.422	0.2					T__						15138775	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	10:16:57.686	0.3					T__		8.2			MLv	15138776	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:17:05.738	-0.2					T__						15138777	FDSN	SK	--	BUD	BUD	EHE	???	_
HOLU	0.81	69.3	Pn	10:17:03.957	-0.4					T__						15138778	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	10:17:16.032	0.6					T__						15138779	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Lg	10:17:17.727	-0.3					T__						15138780	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pn	10:17:06.225	-0.2					T__		4.4			MLv	15138781	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	10:17:20.895	-0.5					T__						15138782	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Lg	10:17:21.050	0.7					T__						15138783	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
2018/10/21	09:38:16.47	1.21	1.00	45.8872	17.2580	7.3	4.3	165	7.4F	9.5	13	8	121	0.39	1.26	m	ke BUD	15130525	iLoc			162

Magnitude Err Nsta Author OrigID
M 1.2 4 BUD 15130525

Sta	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	0.39	85.5	Pg	09:38:25.637	1.1					T__						15130527	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.39	85.5	Lg	09:38:30.468	-0.2					T__						15130528	FDSN	Z3	--	BUD	iLoc	HHN	???	_
MOSL	0.45	232.4	Pg	09:38:25.730	0.1					T__						15130529	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.45	232.4	Lg	09:38:31.690	-0.9					T__						15130530	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	0.61	137.3	Pg	09:38:29.599	0.6					T__						15130531	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.61	137.3	Lg	09:38:37.313	-0.9					T__						15130532	FDSN	Z3	--	BUD	iLoc	BHE	???	_
KOVH	0.62	70.8	Pg	09:38:29.533	0.4					T__						15130533	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.62	70.8	Lg	09:38:36.802	-1.8					T__						15130534	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOGS	0.90	309.1	Lg	09:38:46.844	-0.3					T__						15130535	FDSN	SL	--	BUD	iLoc	BHN	???	_
MORH	1.02	70.7	Pn	09:38:36.111	-0.0					T__						15130536	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.02	70.7	Lg	09:38:50.029	-1.3					T__						15130537	FDSN	HU	--	BUD	iLoc	BHN	???	_
BLY	1.10	182.8	Sn	09:38:54.253	0.5					T__						15130538	FDSN	MN	--	BUD	iLoc	BHN	???	_
CRES	1.26	267.9	Sn	09:38:58.580	0.5					T__						15130539	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
2018/10/22	08:58:31.05	0.14	0.18	46.2909	21.6554	1.6	0.7	117	13.9F	1.3	15	157	0.63	1.51	a	ke	BUC	15110852	ISC			360
2018/10/22	08:58:30.19	1.20	0.81	46.3195	21.6284	7.4	3.2	114	5.4F	8.0	30	10	161	0.06	1.54	m	ke	BUD	15130560	iLoc		211

Magnitude Err Nsta Author OrigID
ml 1.6 BUC 15110852
ML 1.9 0.3 3 BUD 15130560

Sta	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	0.06	156.1	Pg	08:58:31.977	-0.1					T__						15130562	FDSN	RO	--	BUD	iLoc	BHZ	???	_		
TIM	0.65	206.1	Pg	08:58:43.626	0.6					T__						15130563	FDSN	IR	--	ISC	iLoc	???	???	_		
TIM	0.65	206.1	Pg	08:58:43.626	0.6					T__						15130564	FDSN	IR	--	ISC	iLoc	???	???	_		
TIM	0.65	206.1	Lg	08:58:52.084	-0.5					T__						15130565	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.66	148.4	Pg	08:58:43.119	-0.0					T__						15130566	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.66	148.4	Pg	08:58:43.119	-0.0					T__						15130567	FDSN	IR	--	ISC	iLoc	???	???	_		
SURR	0.66	148.4	Lg	08:58:52.530	-0.2					T__						15130568	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.70	179.3	Pn	08:58:45.040	-0.2					T__	2.0	6.2		MLv	1.7	15130569	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
BZS	0.70	179.3	Lg	08:58:54.709	0.6					T__						15130570	FDSN	RO	--	BUD	iLoc	BHN	???	_		
BZS	0.70	180.7	Pg	08:58:43.909	-0.1					T__						15130571	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.70	180.7	Pg	08:58:43.909	-0.1					T__						15130572	FDSN	IR	--	ISC	iLoc	???	???	_		
BZS	0.70	180.7	Lg	08:58:53.815	-0.4					T__						15130573	FDSN	IR	--	ISC	iLoc	???	???	_		
(Station ML : 1.7 1																										
BORR	0.78	7.9	Lg	08:58:58.001	-0.5					T__						15130574	FDSN	IR	--	ISC	iLoc	???	???	_		
BORR	0.78	7.9	Lg	08:58:58.001	-0.5					T__						15130575	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.88	57.3	Pg	08:58:48.265	0.4					T__						15130576	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.88	57.3	Pg	08:58:48.265	0.4					T__						15130577	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.88	57.3	Lg	08:59:00.589	-1.5					T__						15130578	FDSN	IR	--	ISC	iLoc	???	???	_		
DRGR	0.88	57.3	Pn	08:58:49.251	0.9					T__	1.6	7.4		MLv	1.9	15130579	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_		
DRGR	0.88	57.3	Sn	08:59:03.233	0.5					T__						15130580	FDSN	RO	--	BUD	iLoc	BHN	???	_		
(Station ML : 1.9 1																										
BANR	1.00	200.4	Pn	08:58:49.971	0.6					T__						15130581	FDSN	IR	--	ISC	iLoc	???	???	_		
BANR	1.00	200.4	Pn	08:58:49.971	0.6					T__						15130582	FDSN	IR	--	ISC	iLoc	???	???	_		
BANR	1.00	200.4	Lg	08:59:03.493	-0.8					T__						15130583	FDSN	IR	--	ISC	iLoc	???	???	_		

MARR	1.09	70.4	Pn	08:58:51.845	0.4	T__	---	15130584	FDSN	IR	--	ISC	iLoc	???	???	_				
MARR	1.09	70.4	Pn	08:58:51.845	0.4	T__	---	15130585	FDSN	IR	--	ISC	iLoc	???	???	_				
MARR	1.09	70.4	Sn	08:59:06.471	-1.6	T__	---	15130586	FDSN	IR	--	ISC	iLoc	???	???	_				
GZR	1.23	138.7	Pg	08:58:55.885	2.2	T__	1.8	7.7	---	MLv	2.1	15130587	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.23	138.7	Sn	08:59:09.745	-1.0	T__	---	15130588	FDSN	RO	--	BUD	iLoc	BHN	???	_				
(Station ML : 2.1 1)																				
MDVR	1.54	177.8	Pn	08:58:57.807	0.4	T__	---	15130589	FDSN	IR	--	ISC	iLoc	???	???	_				
MDVR	1.54	177.8	Pn	08:58:57.807	0.4	T__	---	15130590	FDSN	IR	--	ISC	iLoc	???	???	_				
MDVR	1.54	177.8	Sn	08:59:17.995	-0.7	T__	---	15130591	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
2018/10/22	10:10:37.11	0.98	0.52	48.4198	19.1287	4.9	3.9	3	0.0S	18	11	70	0.21	1.71	m	kx	BUD	15130540	iLoc			110
(locality : Hanisberg Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15130540

Sta	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	0.21	204.9	Pg	10:10:42.256	0.8					T__	---					15130542	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.21	204.9	Lg	10:10:44.145	-0.5					T__	---					15130543	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.21	291.0	Pg	10:10:41.196	-0.3					T__	---					15130544	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.21	291.0	Lg	10:10:44.381	-0.4					T__	---					15130545	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.72	134.1	Pg	10:10:52.413	0.1					T__	---					15130546	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.72	134.1	Lg	10:11:02.315	-1.3					T__	---					15130547	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.76	16.9	Pg	10:10:52.413	0.3					T__	---					15130548	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SRO	0.82	222.3	Lg	10:11:05.085	-0.5					T__	---					15130549	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.91	85.5	Pg	10:10:55.321	0.3					T__	---					15130550	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.91	85.5	Lg	10:11:08.893	0.3					T__	---					15130551	FDSN	SK	--	BUD	iLoc	EHN	???	_
A337A	0.91	259.4	Pn	10:10:56.442	0.3					T__	---					15130552	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.91	259.4	Lg	10:11:08.988	0.3					T__	---					15130553	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	1.06	295.0	Pn	10:10:58.437	-0.1					T__	---					15130554	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.06	295.0	Lg	10:11:13.879	0.1					T__	---					15130555	FDSN	CZ	--	BUD	iLoc	BHN	???	_
NIE	1.27	37.6	Pn	10:11:01.692	0.3					T__	---					15130556	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	1.27	37.6	Sn	10:11:20.665	0.0					T__	---					15130557	FDSN	PL	--	BUD	iLoc	BHE	???	_
ABAH	1.41	94.2	Pg	10:11:04.808	0.2					T__	---					15130558	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MORC	1.71	323.1	Sn	10:11:30.705	-0.4					T__	---					15130559	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	
2018/10/22	14:40:15.48	1.54	1.21	46.0459	17.0638	9.6	5.0	27	5.4F	11.3	15	9	168	0.19	1.17	m	ke	BUD	15130620	iLoc			219

Magnitude	Err	Nsta	Author	OrigID
M	1.9	6	BUD	15130620

Sta	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	54.0	Pg	14:40:20.117	0.4					T__	---					15130622	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.19	54.0	Lg	14:40:23.781	0.7					T__	---					15130623	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BEHE	0.47	334.9	Pg	14:40:24.844	-0.3					T__	---					15130624	FDSN	HU	--	BUD	iLoc	BHZ	???	_

BEHE	0.47	334.9	Lg	14:40:31.122	-1.2	T__	---	15130625	FDSN	HU	--	BUD	iLoc	BHN	???	_
A263A	0.62	16.2	Pg	14:40:28.498	0.5	T__	---	15130626	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.62	16.2	Lg	14:40:37.847	0.5	T__	---	15130627	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A265A	0.63	53.0	Pg	14:40:28.351	0.0	T__	---	15130628	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.63	53.0	Lg	14:40:34.558	-3.3	T__	---	15130629	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KOGS	0.69	305.8	Lg	14:40:39.676	0.4	T__	---	15130630	FDSN	SL	--	BUD	iLoc	BHE	???	_
KOVH	0.72	86.3	Pg	14:40:30.544	0.4	T__	---	15130631	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.72	86.3	Lg	14:40:41.374	0.3	T__	---	15130632	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.82	137.7	Pn	14:40:33.250	0.3	T__	---	15130633	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.82	137.7	Sn	14:40:45.422	-1.1	T__	---	15130634	FDSN	Z3	--	BUD	iLoc	BHE	???	_
MORH	1.11	80.6	Lg	14:40:53.429	-0.1	T__	---	15130635	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.17	16.1	Sn	14:40:55.714	0.8	T__	---	15130636	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
 2018/10/23 08:25:26.25 1.25 0.65 48.6181 20.7704 7.9 4.8 21 0.0S 13 7 169 0.23 2.07 m kx BUD 15130605 iLoc 193
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.8 4 BUD 15130605

Sta	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	234.6	Pg	08:25:31.335	0.3					T__						15130607	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	234.6	Lg	08:25:34.428	-0.4					T__						15130608	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	234.6	Lg	08:25:35.300	0.5					T__		0.5				15130609	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.45	135.7	Pg	08:25:35.764	0.4					T__						15130610	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.45	135.7	Lg	08:25:43.208	0.2					T__						15130611	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.91	220.2	Lg	08:25:59.100	-0.5					T__		0.1				15130612	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.91	220.2	Pn	08:25:46.114	0.4					T__						15130613	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	220.2	Lg	08:25:58.374	-1.2					T__						15130614	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.01	302.3	Pg	08:25:45.699	-0.4					T__						15130615	FDSN	SK	--	BUD	iLoc	EHE	???	_
LANS	1.01	302.3	Lg	08:26:01.163	0.2					T__						15130616	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	1.28	111.8	Sn	08:26:09.256	-1.1					T__						15130617	FDSN	HU	--	BUD	iLoc	BHE	???	_
VVHS	1.29	265.2	Sn	08:26:09.923	-0.2					T__						15130618	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	2.07	277.9	Sn	08:26:30.263	0.4					T__						15130619	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
 2018/10/24 06:40:06.29 1.07 0.85 47.3024 18.3708 5.5 4.9 116 0.0S 12 7 102 0.10 1.23 m sx BUD 15130637 iLoc 121
 (locality : Magyaralmás Hungary)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.8 6 BUD 15130637

Sta	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	309.1	Pg	06:40:08.466	-0.4					T__						15130639	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.10	309.1	Lg	06:40:09.970	-1.1					T__						15130640	FDSN	HU	--	BUD	iLoc	HHN	???	_
BUD	0.48	67.5	Lg	06:40:24.372	-0.2					T__						15130641	FDSN	HU	--	BUD	iLoc	BHN	???	_

MPLH	0.58	257.2	Pg	06:40:18.096	-0.2	T__	---	15130642	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.58	257.2	Lg	06:40:28.343	1.1	T__	---	15130643	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.10	170.1	Pg	06:40:28.289	-0.0	T__	---	15130644	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.10	170.1	Lg	06:40:43.023	-1.8	T__	---	15130645	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.20	58.6	Pn	06:40:30.336	0.7	T__	---	15130646	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.20	58.6	Lg	06:40:48.683	-0.3	T__	---	15130647	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOVH	1.23	188.8	Pg	06:40:31.415	0.4	T__	---	15130648	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.23	188.8	Sn	06:40:48.129	-0.2	T__	---	15130649	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.23	14.5	Pg	06:40:30.992	-0.0	T__	---	15130650	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
2018/10/24	09:12:05.31	1.54	1.41	48.5773	20.7191	10.7	4.7	176	0.0S		8	5	163	0.18	1.25	m	kx	BUD	15130651	iLoc		221
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	3	BUD	15130651

Sta	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	238.8	Pg	09:12:09.667	0.5					T__						15130653	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.18	238.8	Lg	09:12:12.394	0.3					T__						15130654	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.45	128.9	Pg	09:12:15.878	1.5					T__						15130655	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.45	128.9	Lg	09:12:20.388	-1.6					T__						15130656	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.86	220.2	Lg	09:12:35.225	-1.6					T__						15130657	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOLS	1.09	70.3	Lg	09:12:42.326	-1.2					T__						15130658	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.25	266.9	Pg	09:12:30.834	0.5					T__						15130659	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.25	266.9	Lg	09:12:48.021	-0.7					T__						15130660	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
2018/10/24	10:01:45.99	0.72	0.51	48.1392	16.8999	7.3	2.5	108	0.0F	0.0	17		2	0.60	1.28	a	kx	VIE	15110907	ISC		360
2018/10/24	10:01:44.88	0.92	0.68	48.1362	16.9496	5.4	3.5	137	0.0S		23	11	83	0.32	1.31	m	kx	BUD	15130661	iLoc		110
(description : known quarry blast)																						
(locality : Hainburg Austria)																						

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15110907
ml	1.7		VIE	15110907
M	1.9	5	BUD	15130661

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.32	42.6	Pg	10:01:52.566	0.7					T__						15130663	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.32	42.6	Lg	10:01:57.072	-0.1					T__						15130664	FDSN	SK	--	BUD	iLoc	HHE	???	_
RONA	0.62	225.4	Pg	10:01:58.100	0.7					T__		0.3	0.08			15130665	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.62	225.4	Lg	10:02:06.459	-0.2					T__		20.5	0.60			15130666	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.64	338.2	Lg	10:02:06.525	-0.5					T__						15130667	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CONA	0.76	254.5	Pn	10:02:01.688	-0.4					T__						15130668	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.76	254.5	Lg	10:02:11.145	-0.2					T__						15130669	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.76	254.5	Pg	10:02:00.576	0.5					T__		0.4	0.20			15130670	FDSN	IR	--	ISC	iLoc	???	???	_

CONA	0.76	254.5	Lg	10:02:10.200	-1.1	T__				0.1				15130671	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.76	254.5	Sg	10:02:10.509	-0.8	T__				6.5	0.48			15130672	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.76	160.1	Sn	10:02:15.800	0.3	T__								15130673	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.77	160.2	Sn	10:02:14.599	-0.9	T__								15130674	FDSN	HU	--	BUD	iLoc	HHN	???	_
A335A	0.98	70.9	Sn	10:02:20.401	-0.0	T__								15130675	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	1.00	338.5	Pn	10:02:05.619	0.4	T__								15130676	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MPLH	1.05	157.4	Lg	10:02:21.128	-0.0	T__								15130677	FDSN	HU	--	BUD	iLoc	BHN	???	_
VRAC	1.20	348.8	Sn	10:02:25.700	-0.0	T__								15130678	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.20	348.8	Pn	10:02:08.819	0.8	T__								15130679	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.20	348.8	Sn	10:02:25.257	-0.5	T__								15130680	FDSN	CZ	--	BUD	iLoc	BHN	???	_
ARSA	1.31	227.9	Pg	10:02:11.066	0.8	T__				1.9	0.36			15130681	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.31	227.9	Pg	10:02:11.865	1.6	T__								15130682	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.31	227.9	Sn	10:02:28.091	-0.5	T__								15130683	FDSN	OE	--	BUD	iLoc	BHN	???	_
VYHS	1.31	73.4	Pg	10:02:10.788	-0.2	T__								15130684	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.31	73.4	Sn	10:02:28.114	-0.5	T__								15130685	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
2018/10/24	12:58:22.73	1.81	1.25	48.2609	21.2086	17.0	11.7	3	0.0S		5	3	218	0.04	0.95	m	kx	BUD	15130686	iLoc		314
2018/10/24	12:58:22.28f		0.98	48.2470	21.2460f				0.0S		5		255	0.05	0.96	m	kx	BUD_GT	15137220	BUD		315
(locality : Táallya Hungary)																						
(description : known quarry blast)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
ML	2.0	0.3	3 BUD	15130686
ML	2.0	0.3	3 BUD	15137220

Sta	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	12:58:24.555	0.7					T__		658.6			MLv	15138784	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
KECS	0.56	295.3	Pg	12:58:34.506	1.0					T__		9.3			MLv	15138785	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	12:58:40.298	-1.8					T__						15138786	FDSN	SK	--	BUD	BUD	EHE	???	_
PSZ	0.96	250.6	Pn	12:58:42.323	-0.2					T__		9.0			MLv	15138787	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.96	250.6	Lg	12:58:57.096	-0.4					T__						15138788	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
2018/10/25	08:24:06.35	0.50	0.42	46.9410	22.3277	4.0	1.8	148	5.4F	2.6	13	209	0.30	2.06	a	ke	BUC	15110933	ISC			360
2018/10/25	08:24:03.93	1.05	0.78	47.0058	22.2763	5.9	3.8	126	0.0S		30	11	158	0.37	2.13	m	sx	BUD	15130706	iLoc		200
(locality : Tetchea Romania)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.7		BUC	15110933
M	1.9	7	BUD	15130706

Sta	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	0.37	125.5	Pg	08:24:12.111	0.5					T__						15130708	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.37	125.5	Lg	08:24:17.302	-0.6					T__						15130709	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.37	125.5	Lg	08:24:16.914	-1.0					T__		0.1				15130710	FDSN	IR	--	ISC	iLoc	???	???	_

MESR	0.48	72.4	Lg	08:24:21.679	-0.2	T__									15130711	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	0.48	72.4	Lg	08:24:21.679	-0.2	T__					0.2				15130712	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.67	119.4	Pg	08:24:17.658	0.3	T__									15130713	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.67	119.4	Pg	08:24:17.658	0.3	T__									15130714	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.67	119.4	Lg	08:24:26.675	-1.4	T__									15130715	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	210.1	Pn	08:24:22.454	0.1	T__									15130716	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	210.1	Pn	08:24:22.454	0.1	T__									15130717	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	209.9	Pg	08:24:21.780	0.4	T__									15130718	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.85	209.9	Lg	08:24:33.231	-1.2	T__									15130719	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.95	107.4	Pg	08:24:23.612	0.9	T__									15130720	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.95	107.4	Pn	08:24:24.366	0.2	T__					0.1				15130722	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.95	107.4	Pn	08:24:24.366	0.2	T__									15130721	FDSN	IR	--	ISC	iLoc	???	???	_
BMR	1.07	50.8	Pn	08:24:26.259	0.5	T__									15130723	FDSN	RO	--	BUD	iLoc	BHZ	???	_
TRPA	1.14	8.9	Pg	08:24:26.920	0.8	T__									15130724	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.14	8.9	Sn	08:24:42.747	-1.9	T__									15130725	FDSN	HU	--	BUD	iLoc	BHE	???	_
SURR	1.26	184.8	Pg	08:24:29.187	0.9	T__									15130726	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	184.8	Pg	08:24:29.187	0.9	T__									15130727	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.26	184.8	Lg	08:24:45.832	-0.5	T__									15130728	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.46	197.9	Pn	08:24:31.348	0.7	T__									15130729	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.46	197.9	Sn	08:24:50.686	-0.9	T__									15130730	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.65	167.7	Pg	08:24:35.591	0.2	T__									15130731	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	167.7	Pg	08:24:35.591	0.2	T__									15130732	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	167.7	Pg	08:24:36.284	0.8	T__									15130733	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.65	167.7	Sn	08:24:56.041	-0.9	T__									15130734	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.65	167.7	Sn	08:24:57.811	0.9	T__									15130735	FDSN	RO	--	BUD	iLoc	BHE	???	_
HERR	2.13	177.3	Sn	08:25:09.025	0.3	T__									15130736	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	2.13	177.3	Sn	08:25:09.025	0.3	T__									15130737	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
 2018/10/25 08:36:10.73 1.26 0.54 48.5624 20.7676 8.6 5.1 179 0.0S 10 5 112 0.20 1.29 m kx BUD 15130738 iLoc 222
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15130738

Sta	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	247.2	Pg	08:36:14.972	-0.0					T__						15130740	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	247.2	Lg	08:36:17.925	-0.4					T__						15130741	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	247.2	Lg	08:36:19.100	0.8					T__					0.5	15130742	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.41	130.1	Pg	08:36:19.478	0.3					T__						15130743	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	130.1	Lg	08:36:25.534	-0.7					T__						15130744	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.87	222.5	Pn	08:36:29.666	0.1					T__						15130745	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.5	Lg	08:36:43.076	0.5					T__						15130746	FDSN	GE	--	BUD	iLoc	BHE	???	_
STHS	0.91	20.0	Pg	08:36:27.774	0.2					T__						15130747	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.29	267.7	Pg	08:36:36.089	-0.3					T__						15130748	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	267.7	Sn	08:36:53.961	-0.5					T__						15130749	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
2018/10/25	09:28:34.19	1.28	0.56	47.2394	18.3338	7.8	4.7	88	0.0S	9	5	153	0.13	1.30	m	kx	BUD	15130750	iLoc			189
2018/10/25	09:28:34.33f		0.64	47.2302	18.2835f				0.0S	9		149	0.13	1.32	m	kx	BUD_GT	15136117	BUD			172

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

Magnitude	Err	Nsta	Author	OrigID
M	1.4	4	BUD	15136117

Sta	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	09:28:37.730	0.1					T__						15138789	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	09:28:39.765	-0.6					T__						15138790	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	09:28:45.770	0.8					T__						15138791	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	09:28:54.167	1.2					T__						15138792	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Pg	09:28:55.695	0.5					T__						15138793	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.04	166.1	Lg	09:29:10.300	-0.6					T__						15138794	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Sn	09:29:13.863	-0.5					T__						15138795	FDSN	HU	--	BUD	BUD	BHE	???	_
VYHS	1.32	16.2	Pg	09:29:00.224	-0.5					T__						15138796	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	1.32	16.2	Lg	09:29:19.613	-0.1					T__						15138797	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
2018/10/25	10:00:10.53	1.23	0.75	48.1555	16.9513	10.4	4.2	146	0.0S	11	7	153	0.31	1.88	m	sx	BUD	15130761	iLoc			182

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.3	3 BUD	15130761

Sta	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	44.9	Pg	10:00:17.791	0.5					T__						15130763	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
MODS	0.31	44.9	Lg	10:00:22.281	-0.0					T__						15130764	FDSN	SK	--	BUD	iLoc	HHN	???	_	
CONA	0.77	253.1	Pg	10:00:25.862	0.1					T__	1.3	5.6			MLv	1.7	15130765	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
CONA	0.77	253.1	Lg	10:00:36.430	-0.8					T__						15130766	FDSN	OE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1																									
VRAC	1.18	348.5	Sn	10:00:50.368	-0.6					T__						15130767	FDSN	CZ	--	BUD	iLoc	BHE	???	_	
VYHS	1.30	74.2	Pg	10:00:36.971	0.4					T__	1.5	0.9			MLv	1.2	15130768	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.30	74.2	Sn	10:00:53.282	-0.8					T__						15130769	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 1																									
ARSA	1.32	227.3	Pg	10:00:36.649	0.4					T__	1.6	4.2			MLv	1.9	15130770	FDSN	OE	--	BUD	iLoc	BHZ	BHZ	_
ARSA	1.32	227.3	Lg	10:00:54.855	-0.3					T__						15130771	FDSN	OE	--	BUD	iLoc	BHE	???	_	
(Station ML : 1.9 1																									
MORC	1.67	13.3	Lg	10:01:04.763	-0.7					T__						15130772	FDSN	CZ	--	BUD	iLoc	BHN	???	_	
CKRC	1.88	291.7	Sn	10:01:09.675	1.3					T__						15130773	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
2018/10/25	10:13:02.52	1.01	1.33	48.8298	21.1283	6.1	5.3	3	0.0S	13	8	112	0.55	1.64	m	kx	BUD	15130787	iLoc			140

(description : known quarry blast)

(locality : Trebejov Slovakia)

Magnitude Err Nsta Author OrigID
M 2.0 5 BUD 15130787

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.55	231.1	Lg	10:13:21.488	-0.3					T__				---	15130789	FDSN	SK	--	BUD	iLoc	EHN	???	_	
STHS	0.59	7.3	Pg	10:13:12.437	-1.0					T__				---	15130790	FDSN	SK	--	BUD	iLoc	EHZ	???	_	
STHS	0.59	7.3	Lg	10:13:22.259	-0.2					T__				---	15130791	FDSN	SK	--	BUD	iLoc	EHE	???	_	
KOLS	0.76	81.8	Pg	10:13:18.839	1.8					T__				---	15130792	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
KOLS	0.76	81.8	Lg	10:13:28.045	-1.5					T__				---	15130793	FDSN	SK	--	BUD	iLoc	HHE	???	_	
NIE	0.80	318.1	x	10:13:21.591	-99.0					---				---	15130794	FDSN	PL	--	BUD	iLoc	BHZ	???	_	
NIE	0.80	318.1	Lg	10:13:29.794	0.7					T__				---	15130795	FDSN	PL	--	BUD	iLoc	BHE	???	_	
HOLU	0.89	109.5	Lg	10:13:33.365	-1.0					T__				---	15130796	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
STZU	1.00	78.7	Pg	10:13:21.571	0.1					T__				---	15130797	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
PSZ	1.23	222.5	Pn	10:13:27.751	1.3					T__				---	15130798	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	1.23	222.5	Sn	10:13:43.321	-2.2					T__				---	15130799	FDSN	GE	--	BUD	iLoc	BHN	???	_	
VYHS	1.56	258.4	Pn	10:13:31.899	1.1					T__				---	15130800	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
VYHS	1.56	258.4	Sn	10:13:52.038	-1.4					T__				---	15130801	FDSN	SK	--	BUD	iLoc	HHN	???	_	
OJC	1.64	328.6	Sn	10:13:56.344	-0.2					T__				---	15130802	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
2018/10/25	14:49:02.25	1.44	0.68	47.9843	19.5023	9.2	4.8	14	0.0S		7	4	144	0.27	0.68	m	kx BUD	15130803	iLoc			287
2018/10/25	14:49:02.36f		1.47	47.9151	19.4088f				0.0S		7		165	0.27	0.69	m	kx BUD_GT	15137223	BUD			288

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

Magnitude Err Nsta Author OrigID
M 1.8 4 BUD 15137223

Sta	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	14:49:10.161	1.9					T__				---	15138800	FDSN	Z3	00	BUD	BUD	HHZ	???	_	
A270A	0.27	255.2	Lg	14:49:15.111	2.4					T__				---	15138801	FDSN	Z3	00	BUD	BUD	HHN	???	_	
PSZ	0.33	89.2	Pg	14:49:08.202	-1.5					T__				---	15138798	FDSN	GE	--	BUD	BUD	BHZ	???	_	
PSZ	0.33	89.2	Lg	14:49:13.775	-1.6					T__				---	15138799	FDSN	GE	--	BUD	BUD	BHN	???	_	
A336A	0.42	319.4	Pg	14:49:10.364	-0.7					T__				---	15138802	FDSN	Z3	00	BUD	BUD	HHZ	???	_	
A336A	0.42	319.4	Lg	14:49:16.659	-0.7					T__				---	15138803	FDSN	Z3	00	BUD	BUD	HH2	???	_	
VYHS	0.69	326.7	Pg	14:49:16.789	0.4					T__				---	15138804	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
2018/10/26	08:09:34.79	1.52	0.36	48.5634	20.7312	15.3	6.6	152	0.0S		7	4	161	0.18	1.26	m	kx BUD	15130812	iLoc			313

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

Magnitude Err Nsta Author OrigID
M 1.4 3 BUD 15130812

Sta	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	243.9	Pg	08:09:39.086	0.4					T__						15130814	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.18	243.9	Lg	08:09:41.630	-0.0					T__						15130815	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.85	221.2	Pg	08:09:52.521	-0.3					T__						15130816	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.85	221.2	Lg	08:10:06.363	0.3					T__						15130817	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.09	69.5	Lg	08:10:13.030	0.1					T__						15130818	FDSN	SK	--	BUD	iLoc	HHE	???	_
VYHS	1.26	267.6	Pg	08:09:59.900	-0.0					T__						15130819	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	267.6	Sn	08:10:17.508	-0.4					T__						15130820	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
2018/10/26	09:17:55.98	1.10	1.97	48.3425	19.8997	6.6	4.2	168	0.0S		14	8	147	0.41	6.37	m	kx	BUD	15130821	iLoc		205
(description : known quarry blast)																						
(locality : Husina Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	5	BUD	15130821

Sta	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	69.9	Lg	09:18:06.300	-4.5					T__						15130823	FDSN	IR	--	ISC	iLoc	???	???	_
KECS	0.41	69.9	Pg	09:18:06.512	2.1					T__						15130824	FDSN	SK	--	BUD	iLoc	EZH	???	_
KECS	0.41	69.9	Lg	09:18:13.401	2.6					T__						15130825	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.42	180.5	Pg	09:18:06.330	1.0					T__						15130826	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.42	180.5	Lg	09:18:13.067	0.8					T__						15130827	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	0.61	260.0	Pg	09:18:09.919	1.6					T__						15130828	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.61	260.0	Lg	09:18:17.857	0.5					T__						15130829	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	0.72	282.5	Pn	09:18:11.215	-1.2					T__						15130830	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.72	282.5	Lg	09:18:20.189	-1.1					T__						15130831	FDSN	SK	--	BUD	iLoc	HHN	???	_
A270A	0.77	230.2	Pn	09:18:12.775	-0.2					T__						15130832	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.77	230.2	Lg	09:18:21.871	-1.7					T__						15130833	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARR	4.40	130.8	Pg	09:19:20.333	-0.9					T__						15130834	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	4.57	127.6	Pg	09:19:25.139	0.6					T__						15130835	FDSN	IR	--	ISC	iLoc	???	???	_
PDG	5.93	184.6	Pg	09:19:41.770	-7.7					T__						15130836	FDSN	IR	--	ISC	iLoc	???	???	_
PLNA	6.37	155.8	Pn	09:19:31.900	-0.0					T__						15130837	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
2018/10/26	09:50:18.66	1.73	0.56	48.5557	20.7850	15.4	6.6	171	0.0S		4	3	178	0.21	1.05	m	kx	BUD	15130838	iLoc		297
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4	1	BUD	15130838

Sta	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	250.1	Pg	09:50:23.358	0.3					T__						15130840	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	250.1	Lg	09:50:26.106	-0.4					T__						15130841	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.40	130.5	Lg	09:50:33.587	-0.2					T__						15130842	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOLS	1.05	68.5	Lg	09:50:55.521	-0.2					T__						15130843	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
2018/10/26	15:09:14.10	0.69	1.59	48.4093	17.1771	7.9	2.8	109	0.0F	0.0	12	2	0.92	1.60	a	sx	VIE	15110990	ISC			360
2018/10/26	15:09:12.95	0.94	0.80	48.3915	17.2638	3.6	3.3	100	0.0S		27	12	69	0.02	1.64	m	sx	BUD	15130844	iLoc		138

(description : suspected quarry blast)

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15110990
ml	1.7		VIE	15110990
M	1.7	7	BUD	15130844

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.02	154.6	Pg	15:09:14.132	0.2					T__						15130846	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.02	154.6	Lg	15:09:15.359	0.5					T__						15130847	FDSN	SK	--	BUD	iLoc	HHN	???	_
A333A	0.34	341.9	Lg	15:09:27.041	1.8					T__						15130848	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	0.54	29.8	Pg	15:09:23.987	-0.1					T__						15130849	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.54	29.8	Lg	15:09:32.035	-0.3					T__						15130850	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A001A	0.56	307.3	Pg	15:09:25.189	1.1					T__						15130851	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.56	307.3	Lg	15:09:30.972	-1.4					T__						15130852	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A335A	0.72	85.2	Pg	15:09:27.912	0.5					T__						15130853	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.72	85.2	Lg	15:09:38.403	0.5					T__						15130854	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	0.88	319.7	Sn	15:09:44.500	-1.7					T__						15130855	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.88	319.7	Pg	15:09:29.715	-0.0					T__						15130856	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.88	319.7	Lg	15:09:43.036	0.7					T__						15130857	FDSN	CZ	--	BUD	iLoc	BHE	???	_
RONA	0.95	223.5	Pg	15:09:32.189	0.3					T__		1.6	0.18			15130858	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.95	223.5	Sn	15:09:47.740	-0.4					T__		5.6	0.34			15130859	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.02	334.5	Pg	15:09:32.593	0.5					T__						15130860	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.02	334.5	Sn	15:09:48.287	-1.1					T__						15130861	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CONA	1.05	244.2	Pn	15:09:34.517	0.3					T__						15130862	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.05	244.2	Lg	15:09:49.457	0.3					T__						15130863	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.05	244.2	Pn	15:09:34.413	0.2					T__		0.8	0.20			15130864	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	1.05	83.8	Pn	15:09:34.253	0.1					T__						15130865	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.05	83.8	Lg	15:09:48.929	-0.5					T__						15130866	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORC	1.40	7.4	Pg	15:09:39.728	0.1					T__						15130867	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.40	7.4	Sn	15:09:58.890	-0.2					T__						15130868	FDSN	CZ	--	BUD	iLoc	BHN	???	_
ARSA	1.64	226.4	Pg	15:09:45.029	0.3					T__		0.5	0.28			15130869	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.64	226.4	Lg	15:10:06.418	-1.0					T__		2.1	0.40			15130870	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.64	226.4	Pg	15:09:44.442	-0.3					T__						15130871	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.64	226.4	Lg	15:10:08.485	1.1					T__						15130872	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	
2018/10/27	08:00:39.01	0.28	0.11	48.4990	17.4650	2.6	1.9	148	0.0F	0.0	16	2		1.12	1.21	a	sx	VIE	15111011	ISC			360
2018/10/27	08:00:38.46	0.97	0.76	48.4953	17.4692	5.2	3.4	148	0.0S		21	11	121	0.17	1.22	m	kx	BUD	15130873	iLoc			130

(locality : Bukova Slovakia)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	1.6		VIE	15111011

m1 1.6 VIE 15111011
M 1.6 7 BUD 15130873

Sta	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	0.17	51.3	Pg	08:00:42.509	0.1					T__						15130875	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.18	226.4	Pg	08:00:43.031	0.4					T__						15130876	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.18	226.4	Lg	08:00:46.573	0.8					T__						15130877	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A333A	0.33	312.4	Lg	08:00:51.710	1.5					T__						15130878	FDSN	Z3	00	BUD	iLoc	HH3	???	_
JAVC	0.39	20.1	Pg	08:00:46.072	-0.6					T__						15130879	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.39	20.1	Lg	08:00:52.428	-0.3					T__						15130880	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.39	20.1	Lg	08:00:54.000	1.3					T__						15130881	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.58	94.5	Pg	08:00:50.436	0.3					T__						15130882	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.58	94.5	Lg	08:00:58.504	-0.3					T__						15130883	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	0.91	309.0	Pn	08:00:57.417	-0.1					T__						15130884	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.91	309.0	Sn	08:01:10.891	-1.4					T__						15130885	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	0.91	89.6	Pn	08:00:58.395	0.8					T__						15130886	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VRAC	1.00	324.9	Pn	08:00:58.445	-0.4					T__						15130887	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	1.00	324.9	Sn	08:01:14.477	0.1					T__						15130888	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A336A	1.05	103.8	Lg	08:01:14.303	-0.6					T__						15130889	FDSN	Z3	00	BUD	iLoc	HH2	???	_
RONA	1.12	225.1	Pg	08:01:00.433	-0.3					T__		0.1	0.04			15130890	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.12	225.1	Lg	08:01:15.922	-1.0					T__		4.9	0.70			15130891	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.22	242.8	Pg	08:01:03.326	0.8					T__						15130892	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.22	242.8	Sn	08:01:20.478	0.3					T__						15130893	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.22	242.8	Pg	08:01:02.323	-0.2					T__		0.5	0.20			15130894	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.22	242.8	Lg	08:01:19.375	-0.7					T__		4.5	0.58			15130895	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
2018/10/27	11:11:31.84	2.48	0.77	47.4189	18.1252	20.7	6.9	156	0.0F	0.0	7	2	1.27	1.61	a	sx	VIE	15111029	ISC			360
2018/10/27	11:11:30.57	1.09	0.82	47.3767	18.2245	4.7	4.0	105	6.8F	1.2	23	15	87	0.03	1.69	m	ke	BUD	15130896	iLoc		126

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

Magnitude Err Nsta Author OrigID
mb 1.8 VIE 15111029
ml 1.6 VIE 15111029
M 1.6 6 BUD 15130896

Sta	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	118.6	Pg	11:11:31.979	-0.2					T__						15130898	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.03	118.6	Lg	11:11:32.552	-1.0					T__						15130899	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.21	285.1	Pg	11:11:35.420	0.2					T__						15130900	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.21	285.1	Lg	11:11:38.457	-0.2					T__						15130901	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.28	22.2	Pg	11:11:36.732	0.2					T__						15130902	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.28	22.2	Lg	11:11:41.042	0.1					T__						15130903	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A267A	0.47	157.7	Pg	11:11:40.192	0.2					T__						15130904	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MPLH	0.51	246.4	Lg	11:11:50.007	1.5					T__						15130905	FDSN	HU	--	BUD	iLoc	BHN	???	_
EGYH	0.61	274.1	Lg	11:11:52.348	0.5					T__						15130906	FDSN	HU	--	BUD	iLoc	HHN	???	_
A337A	0.92	341.5	Sn	11:12:03.861	1.2					T__						15130907	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	1.00	31.1	Pg	11:11:50.678	0.0					T__						15130908	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.00	31.1	Sn	11:12:05.309	0.6					T__						15130909	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	1.07	4.0	Pg	11:11:52.096	0.2					T__						15130910	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.07	4.0	Lg	11:12:06.357	-0.4					T__						15130911	FDSN	Z3	00	BUD	iLoc	HHN	???	_

MODS	1.18	327.7	Sn	11:12:09.429	-0.1	T__	---	15130912	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.19	20.0	Pg	11:11:54.514	0.2	T__	---	15130913	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.19	20.0	Sn	11:12:09.704	0.2	T__	---	15130914	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORH	1.20	165.9	Pg	11:11:54.187	0.0	T__	---	15130915	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.20	165.9	Sn	11:12:08.531	-1.2	T__	---	15130916	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.29	183.8	Sn	11:12:13.347	1.1	T__	---	15130917	FDSN	HU	--	BUD	iLoc	BHN	???	_
RONA	1.35	284.6	Pg	11:11:56.755	-0.4	T__	0.3 0.20	15130918	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.35	284.6	Sn	11:12:13.378	-0.2	T__	0.8 0.22	15130919	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.69	289.9	Lg	11:12:24.125	-2.1	T__	0.5 0.26	15130920	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
2018/10/29	09:03:00.34	0.96	1.13	47.3038	17.6642	4.0	3.7	148	0.0S	24	16	66	0.16	1.46	m	sx	BUD	15130936	iLoc			92
(description : suspected quarry blast)																						
(locality : Ugod Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	7	BUD	15130936

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MPLH	0.16	212.5	Pg	09:03:03.479	-0.6					T__						15130938	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.16	212.5	Lg	09:03:07.002	-0.1					T__						15130939	FDSN	HU	--	BUD	iLoc	BHE	???	_
A268A	0.22	54.1	Lg	09:03:08.377	-0.8					T__						15130940	FDSN	Z3	00	BUD	iLoc	HHE	???	_
EGYH	0.25	296.6	Pg	09:03:06.797	0.8					T__						15130941	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.25	296.6	Lg	09:03:10.397	0.0					T__						15130942	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.41	81.4	Lg	09:03:15.733	0.1					T__						15130943	FDSN	HU	--	BUD	iLoc	HHN	???	_
A261A	0.50	225.2	Lg	09:03:16.731	-1.9					T__						15130944	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A269A	0.59	55.2	Lg	09:03:22.175	0.6					T__						15130945	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A260A	0.65	268.6	Lg	09:03:23.789	0.2					T__						15130946	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOP	0.84	297.3	Lg	09:03:28.943	-0.8					T__						15130947	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	1.03	216.5	Lg	09:03:37.803	1.2					T__						15130948	FDSN	HU	--	BUD	iLoc	BHN	???	_
BEHE	1.03	216.5	Sn	09:03:39.800	1.7					T__						15130949	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	1.10	346.4	Lg	09:03:35.948	-2.6					T__						15130950	FDSN	SK	--	BUD	iLoc	HHE	???	_
A335A	1.23	21.3	Sn	09:03:41.888	-0.2					T__						15130951	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	1.25	166.0	Pg	09:03:25.845	0.3					T__						15130952	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.25	166.0	Sn	09:03:43.177	0.1					T__						15130953	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.28	147.9	Pg	09:03:25.799	0.0					T__						15130954	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.28	147.9	Sn	09:03:41.768	-1.7					T__						15130955	FDSN	HU	--	BUD	iLoc	BHE	???	_
CONA	1.37	297.8	Pg	09:03:28.692	1.2					T__						15130956	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.37	297.8	Sn	09:03:44.660	-1.5					T__						15130957	FDSN	OE	--	BUD	iLoc	BHN	???	_
VYHS	1.43	33.1	Pn	09:03:27.603	0.8					T__						15130958	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.43	33.1	Sn	09:03:46.313	-0.7					T__						15130959	FDSN	SK	--	BUD	iLoc	HHN	???	_
ARSA	1.46	268.7	Pg	09:03:28.738	0.1					T__						15130960	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.46	268.7	Sn	09:03:46.455	-1.3					T__						15130961	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
2018/10/29	11:28:08.64	2.23	0.15	46.1210	18.0288	16.9	11.1	62	0.0S	5	3	218	0.06	1.10	m	kx	BUD	15130921	iLoc			313
2018/10/29	11:28:08.59f		0.11	46.1204	18.0243f				0.0S	5		221	0.06	1.10	m	kx	BUD_GT	15137226	BUD			315
(description : known quarry blast)																						

(locality : Bükkösd-I Hungary)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 MLv 1.6 0.6 2 BUD 15137226

Sta	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	121.4	Pg	11:28:10.602	0.1					T__		193.5			MLv	15138805	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.06	121.4	Lg	11:28:11.997	-0.2					T__						15138806	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.44	77.3	Pg	11:28:17.957	0.1					T__		2.3			MLv	15138807	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.44	77.3	Lg	11:28:24.925	-0.1					T__						15138808	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.5	Sn	11:28:47.542	0.0					T__						15138809	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
 2018/10/31 10:08:22.46 1.77 1.64 45.8773 18.3539 11.2 7.1 131 0.0S 5 3 188 0.28 0.57 m sx BUD 15130962 iLoc 289
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.28	320.1	Pg	10:08:29.652	1.0					T__						15130964	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.28	320.1	Lg	10:08:32.147	-1.3					T__						15130965	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.39	30.7	Pg	10:08:31.594	0.7					T__						15130966	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.39	30.7	Lg	10:08:36.261	-1.1					T__						15130967	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.57	218.9	Lg	10:08:42.023	-0.9					T__						15130968	FDSN	Z3	--	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
 2018/10/31 11:15:40.68 2.06 1.04 48.6352 20.7459 13.8 5.6 10 0.0S 10 5 231 0.23 1.28 m kx BUD 15130969 iLoc 314
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15130969

Sta	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	228.7	Pg	11:15:46.436	1.0					T__						15130971	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	228.7	Lg	11:15:49.016	-0.1					T__						15130972	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	228.7	Lg	11:15:49.800	0.7					T__		0.5				15130973	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.47	135.7	Pg	11:15:50.772	0.5					T__						15130974	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.47	135.7	Lg	11:15:58.127	-0.2					T__						15130975	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.92	218.7	Pg	11:16:00.868	1.0					T__						15130976	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.92	218.7	Lg	11:16:12.846	-1.3					T__						15130977	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.23	251.6	Sn	11:16:21.138	-1.7					T__						15130978	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.28	264.4	Pg	11:16:06.857	0.8					T__						15130979	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	264.4	Lg	11:16:24.432	-0.3					T__						15130980	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
2018/11/04	20:57:18.00			48.0200	16.4100				3.OA		28					a	ke PRU	15111047	ISC			360
2018/11/04	20:57:17.79	0.11	0.90	47.9434	16.3908	1.1	0.8	119	11.OF	0.0	55		39	0.25	1.90	a	ke VIE	15111049	ISC			360
2018/11/04	20:57:17.45	0.85	1.01	47.9558	16.3938	2.1	2.0	87	10.9F	1.3	110		62	23	0.01	3.45	m	ke BUD	15131057	iLoc		36

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

Magnitude	Err	Nsta	Author	OrigID
mb	2.0		VIE	15111049
m1	2.4		VIE	15111049
M	2.4	32	BUD	15131057

Sta	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	0.01	15.9	Lg	20:57:20.043	-1.0					T__						15131059	FDSN	Z3	00	BUD	iLoc	HHE	???	_
RONA	0.26	194.4	Pg	20:57:23.008	-0.3					T__		57.7	0.06			15131060	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.26	194.4	Lg	20:57:26.851	-0.8					T__		14.1	0.06			15131061	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.29	157.8	Pg	20:57:23.146	-0.6					T__						15131062	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.29	157.8	Lg	20:57:27.176	-1.2					T__						15131063	FDSN	HU	--	BUD	iLoc	BHN	???	_
CONA	0.36	265.8	Pg	20:57:24.677	-0.3					T__						15131064	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.36	265.8	Lg	20:57:30.962	0.3					T__						15131065	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.36	265.8	Pg	20:57:25.015	-0.0					T__		11.6	0.08			15131066	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.36	265.8	Lg	20:57:30.423	-0.3					T__		27.3	0.22			15131067	FDSN	IR	--	ISC	iLoc	???	???	_
A002B	0.43	18.2	Pg	20:57:27.739	1.6					T__						15131068	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A002B	0.43	18.2	Lg	20:57:30.387	-2.1					T__						15131069	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A005B	0.44	343.2	Pg	20:57:27.111	0.9					T__						15131070	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A005B	0.44	343.2	Lg	20:57:33.958	1.5					T__						15131071	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A003A	0.49	113.7	Pg	20:57:27.466	-0.0					T__						15131072	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.49	113.7	Lg	20:57:34.060	-0.5					T__						15131073	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A011B	0.62	208.4	Pg	20:57:29.564	-0.3					T__						15131074	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.62	208.4	Lg	20:57:38.856	0.1					T__						15131075	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A008A	0.65	310.0	Pg	20:57:30.314	0.3					T__						15131076	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A008A	0.65	310.0	Lg	20:57:39.033	0.1					T__						15131077	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A012A	0.65	237.4	Pg	20:57:30.587	-0.0					T__						15131078	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	0.65	237.4	Lg	20:57:39.892	-0.1					T__						15131079	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A013A	0.67	279.6	Pg	20:57:30.911	0.3					T__						15131080	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.67	279.6	Lg	20:57:40.455	0.5					T__						15131081	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A260A	0.71	162.4	Pg	20:57:31.435	-0.2					T__						15131082	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	0.71	162.4	Lg	20:57:41.244	-0.3					T__						15131083	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MODS	0.72	54.4	Pg	20:57:31.096	-0.9					T__						15131084	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.72	54.4	Lg	20:57:39.916	-2.2					T__						15131085	FDSN	SK	--	BUD	iLoc	HHN	???	_
A001A	0.78	9.6	Pn	20:57:33.494	0.1					T__						15131086	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.78	9.6	Sn	20:57:45.245	-0.7					T__						15131087	FDSN	Z3	00	BUD	iLoc	HH2	???	_
EGYH	0.83	130.1	Pn	20:57:34.091	-0.0					T__						15131088	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.83	130.1	Lg	20:57:44.967	-0.6					T__						15131089	FDSN	HU	--	BUD	iLoc	HHN	???	_
A339A	0.86	98.0	Pn	20:57:34.874	0.4					T__						15131090	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.86	98.0	Lg	20:57:46.165	0.1					T__						15131091	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A333A	0.90	31.7	Lg	20:57:47.304	0.3					T__						15131092	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A010A	0.91	193.7	Pn	20:57:35.251	0.1					T__						15131093	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.91	193.7	Sn	20:57:49.133	0.3					T__						15131094	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A018A	0.91	257.0	Pn	20:57:35.168	-0.0					T__						15131095	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A018A	0.91	257.0	Lg	20:57:47.506	-0.3					T__						15131096	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ARSA	0.92	220.2	Pn	20:57:35.207	-0.0					T__		4.4	0.14			15131097	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.92	220.2	Pn	20:57:35.316	0.1					T__						15131098	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.92	220.2	Lg	20:57:47.413	-0.5					T__						15131099	FDSN	OE	--	BUD	iLoc	BHE	???	_

A337A	0.98	72.3	Pg	20:57:36.777	-0.1	T__	---	15131100	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.98	72.3	Lg	20:57:49.877	0.1	T__	---	15131101	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A019A	1.02	240.5	Pg	20:57:37.128	-0.4	T__	---	15131102	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	1.02	240.5	Lg	20:57:50.632	-0.9	T__	---	15131103	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A334A	1.07	52.3	Pg	20:57:38.208	-0.3	T__	---	15131104	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	1.10	175.2	Pg	20:57:39.130	0.1	T__	---	15131105	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	1.10	175.2	Lg	20:57:52.861	-1.2	T__	---	15131106	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.10	135.0	Pg	20:57:39.003	-0.3	T__	---	15131107	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.10	135.0	Lg	20:57:52.900	-1.2	T__	---	15131108	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	1.11	0.0	Pn	20:57:38.084	0.2	T__	---	15131109	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.11	0.0	Lg	20:57:52.887	-0.4	T__	---	15131110	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A261A	1.13	152.7	Pg	20:57:39.994	0.2	T__	---	15131111	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	1.13	152.7	Lg	20:57:55.427	0.3	T__	---	15131112	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	1.16	116.4	Pn	20:57:38.893	0.3	T__	---	15131113	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	1.16	116.4	Sn	20:57:54.370	-0.6	T__	---	15131114	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	1.24	42.8	Pg	20:57:40.934	-0.9	T__	---	15131115	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
AO21A	1.26	198.1	Pg	20:57:41.430	-0.4	T__	---	15131116	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO21A	1.26	198.1	Sn	20:57:57.008	-0.4	T__	---	15131117	FDSN	Z3	00	BUD	iLoc	HHE	???	_
SRO	1.30	95.6	Pg	20:57:42.367	-0.7	T__	---	15131118	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A338A	1.32	86.7	Pg	20:57:43.235	-0.1	T__	---	15131119	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.32	86.7	Lg	20:58:01.206	0.7	T__	---	15131120	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VRAC	1.36	5.5	Pg	20:57:41.946	-1.1	T__	---	15131121	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.36	5.5	Sn	20:57:58.968	-0.8	T__	---	15131122	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A269A	1.38	102.6	Sn	20:57:59.881	-0.3	T__	---	15131123	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	1.39	68.6	Pg	20:57:43.362	-1.3	T__	---	15131124	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.39	68.6	Sn	20:58:00.157	-0.2	T__	---	15131125	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	1.39	114.5	Pg	20:57:44.611	-0.2	T__	---	15131126	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	1.39	114.5	Sn	20:58:00.885	0.1	T__	---	15131127	FDSN	HU	--	BUD	iLoc	HHE	???	_
MOA	1.44	266.5	Pn	20:57:43.557	1.0	T__	5.8 0.26	15131128	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.44	266.5	Lg	20:58:04.597	0.1	T__	3.9 0.18	15131129	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.46	135.6	Pg	20:57:46.405	0.3	T__	---	15131130	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TREC	1.47	336.2	Pg	20:57:43.800	-1.4	T__	---	15131131	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.47	336.2	Pg	20:57:44.527	-0.6	T__	---	15131132	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
TREC	1.47	336.2	Sn	20:58:02.500	-0.2	T__	---	15131133	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.47	336.2	Sn	20:58:03.270	0.6	T__	---	15131134	FDSN	CZ	--	BUD	iLoc	BHN	???	_
SOKA	1.58	216.4	Pn	20:57:45.561	1.0	T__	0.9 0.28	15131135	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.58	216.4	Sn	20:58:05.693	0.1	T__	3.7 0.40	15131136	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	1.58	213.8	Pg	20:57:46.900	-0.8	T__	---	15131137	FDSN	IR	--	ISC	iLoc	???	???	_
PERS	1.58	213.8	IAML	20:58:09.160	-99.0	---	7.0 0.33	15131138	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	1.64	302.7	Pg	20:57:47.653	-0.6	T__	---	15131139	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.64	302.7	Lg	20:58:08.774	-1.1	T__	---	15131140	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MAUC	1.70	33.4	Sn	20:58:08.500	0.2	T__	---	15131141	FDSN	IR	--	ISC	iLoc	???	???	_
A331A	1.70	44.8	Sn	20:58:09.142	1.0	T__	---	15131142	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	1.72	70.8	Pn	20:57:47.708	1.2	T__	---	15131143	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.72	70.8	Pg	20:57:49.849	-1.2	T__	---	15131144	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.72	70.8	Sn	20:58:10.609	2.1	T__	---	15131145	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.77	80.0	Pn	20:57:47.926	0.9	T__	---	15131146	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.77	80.0	Sn	20:58:11.870	2.4	T__	---	15131147	FDSN	Z3	00	BUD	iLoc	HH2	???	_
BIOA	1.88	262.9	Pn	20:57:50.336	1.6	T__	3.6 0.22	15131148	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.88	262.9	Lg	20:58:17.041	-1.8	T__	20.0 0.48	15131149	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.92	221.7	Pg	20:57:55.691	1.8	T__	---	15131150	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.92	221.7	Lg	20:58:19.335	-0.3	T__	---	15131151	FDSN	OE	--	BUD	iLoc	BHN	???	_
OBKA	1.92	221.7	Pg	20:57:53.491	-0.4	T__	0.2 0.14	15131152	FDSN	IR	--	ISC	iLoc	???	???	_

MORC	1.97	22.2	Pg	20:57:51.638	-2.5	T__	---	15131153	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.97	22.2	Sn	20:58:14.762	-0.4	T__	---	15131154	FDSN	CZ	--	BUD	iLoc	BHE	???	_
PTJ	2.07	188.3	Pg	20:57:57.900	0.4	T__	---	15131155	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZVC	2.08	316.3	Pg	20:57:54.200	-2.6	T__	---	15131156	FDSN	IR	--	ISC	iLoc	???	???	_
ZVC	2.08	316.3	Sn	20:58:20.400	2.8	T__	17.0 0.40	15131157	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.20	147.4	Pn	20:57:53.774	0.5	T__	---	15131158	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KHC	2.21	303.2	Pg	20:57:56.500	-2.7	T__	---	15131159	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.21	303.2	Lg	20:58:25.700	-2.2	T__	9.2 0.30	15131160	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	2.32	137.7	Pn	20:57:55.232	0.4	T__	---	15131161	FDSN	HU	--	BUD	iLoc	BHZ	???	_
PRU	2.37	329.7	Lg	20:58:31.000	-1.3	T__	15.2 0.30	15131162	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.40	358.9	Lg	20:58:33.000	1.0	T__	---	15131163	FDSN	IR	--	ISC	iLoc	???	???	_
OSTC	2.61	357.5	Lg	20:58:40.000	1.9	T__	---	15131164	FDSN	IR	--	ISC	iLoc	???	???	_
CHVC	2.64	355.3	Lg	20:58:41.300	1.9	T__	---	15131165	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	2.71	157.8	Pn	20:58:01.001	0.4	T__	---	15131166	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
PVCC	2.84	335.8	Lg	20:58:46.900	0.7	T__	---	15131167	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.33	332.2	Lg	20:59:02.250	-0.2	T__	---	15131168	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.33	332.2	x	20:59:07.710	-99.0	---	6.3 0.44	15131169	FDSN	IR	--	ISC	iLoc	???	???	_
NKC	3.45	312.8	Lg	20:59:06.500	-0.8	T__	9.8 0.30	15131170	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
2018/11/04	21:05:25.30			48.0300	16.3200				1.0A		20					a	ke PRU	15111129	ISC			360
2018/11/04	21:05:23.73	0.23	1.03	47.9419	16.4026	1.2	0.9	82	12.8F	2.1	47			39	0.25	1.87	a ke VIE	15111131	ISC			360
2018/11/04	21:05:23.73	0.78	1.07	47.9519	16.3813	2.6	2.2	58	11.5F	6.6	71	36	32	0.02	3.45	m ke BUD	15130981	iLoc			42	

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15111131
m1	2.0		VIE	15111131
M	2.1	19	BUD	15130981

Sta	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	0.02	43.4	Lg	21:05:26.366	-1.2					T__						15130983	FDSN	Z3	00	BUD	iLoc	HHE	???	_
RONA	0.26	192.8	Pg	21:05:29.051	-0.5					T__		37.5	0.10			15130984	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.26	192.8	Lg	21:05:32.609	-1.2					T__		11.9	0.06			15130985	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.29	156.0	Pg	21:05:29.461	-0.6					T__						15130986	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.29	156.0	Lg	21:05:33.408	-1.3					T__						15130987	FDSN	HU	--	BUD	iLoc	BHN	???	_
CONA	0.35	266.3	Pg	21:05:30.978	-0.2					T__						15130988	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.35	266.3	Lg	21:05:37.040	0.3					T__						15130989	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.35	266.3	Pg	21:05:31.390	0.2					T__		11.1	0.10			15130990	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.35	266.3	Lg	21:05:36.750	0.0					T__		4.9	0.12			15130991	FDSN	IR	--	ISC	iLoc	???	???	_
A005B	0.44	344.4	Pg	21:05:33.399	0.9					T__						15130992	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A005B	0.44	344.4	Lg	21:05:40.173	1.4					T__						15130993	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A003A	0.49	112.9	Pg	21:05:33.806	-0.1					T__						15130994	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.49	112.9	Lg	21:05:40.554	-0.4					T__						15130995	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A011B	0.61	207.9	Pg	21:05:35.764	-0.3					T__						15130996	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.61	207.9	Lg	21:05:44.131	-0.7					T__						15130997	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A012A	0.64	237.3	Pg	21:05:36.728	0.0					T__						15130998	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	0.64	237.3	Lg	21:05:44.679	-1.3					T__						15130999	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A008A	0.64	310.8	x	21:05:36.567	-99.0					---						15131000	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A008A	0.64	310.8	Lg	21:05:45.227	0.1					T__						15131001	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A013A	0.66	280.0	x	21:05:37.111	-99.0					---						15131002	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A013A	0.66	280.0	Lg	21:05:46.083	0.0	T__	---	15131003	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A260A	0.70	161.7	Pn	21:05:38.044	-0.6	T__	---	15131004	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	0.70	161.7	Lg	21:05:47.835	-0.1	T__	---	15131005	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MODS	0.73	54.6	Pg	21:05:37.480	-1.0	T__	---	15131006	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.73	54.6	Lg	21:05:48.060	-0.7	T__	---	15131007	FDSN	SK	--	BUD	iLoc	HHE	???	_
A001A	0.79	10.1	Pn	21:05:39.959	0.2	T__	---	15131008	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.79	10.1	Sn	21:05:50.907	-1.3	T__	---	15131009	FDSN	Z3	00	BUD	iLoc	HH2	???	_
EGYH	0.84	129.5	Pg	21:05:40.304	-0.2	T__	---	15131010	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.84	129.5	Lg	21:05:51.147	-0.9	T__	---	15131011	FDSN	HU	--	BUD	iLoc	HHN	???	_
A018A	0.90	257.1	Pg	21:05:41.384	-0.0	T__	---	15131012	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A018A	0.90	257.1	Sn	21:05:54.035	-1.1	T__	---	15131013	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A010A	0.90	193.2	Pg	21:05:41.610	0.1	T__	---	15131014	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.90	193.2	Sn	21:05:54.067	-0.8	T__	---	15131015	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARSA	0.91	219.9	Pg	21:05:41.351	-0.2	T__	0.8 0.08	15131016	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.91	219.9	Lg	21:05:53.160	-0.8	T__	7.7 0.30	15131017	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.91	219.9	Pg	21:05:41.479	-0.0	T__	---	15131018	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.91	219.9	Lg	21:05:53.596	-0.4	T__	---	15131019	FDSN	OE	--	BUD	iLoc	BHN	???	_
A262A	1.09	174.7	Pg	21:05:44.873	-0.4	T__	---	15131020	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	1.09	174.7	Lg	21:06:01.464	1.2	T__	---	15131021	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.11	134.5	Pg	21:05:45.764	0.2	T__	---	15131022	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.11	134.5	Lg	21:05:59.700	-1.1	T__	---	15131023	FDSN	HU	--	BUD	iLoc	BHN	???	_
KRUC	1.11	0.5	Pg	21:05:44.269	-0.5	T__	---	15131024	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.11	0.5	Sn	21:05:59.086	-0.8	T__	---	15131025	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A261A	1.13	152.2	Sn	21:05:59.356	-1.4	T__	---	15131026	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	1.17	116.0	Sn	21:06:00.806	-0.5	T__	---	15131027	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	1.25	42.9	Lg	21:06:04.776	-0.3	T__	---	15131028	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A338A	1.33	86.5	Pg	21:05:49.162	-0.7	T__	---	15131029	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.33	86.5	Lg	21:06:08.198	0.4	T__	---	15131030	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VRAC	1.36	5.8	Pg	21:05:48.275	-1.2	T__	---	15131031	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.36	5.8	Sn	21:06:05.984	-0.1	T__	---	15131032	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	1.40	68.5	Sn	21:06:06.202	-0.6	T__	---	15131033	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MOA	1.43	266.7	Pg	21:05:50.543	-0.7	T__	1.9 0.24	15131034	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.43	266.7	Lg	21:06:10.438	-0.0	T__	1.3 0.14	15131035	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.47	336.5	Pg	21:05:50.500	-0.9	T__	---	15131036	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.47	336.5	Pg	21:05:51.273	-0.2	T__	---	15131037	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
TREC	1.47	336.5	Sn	21:06:09.400	0.5	T__	---	15131038	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.47	336.5	Lg	21:06:09.902	-0.9	T__	---	15131039	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.63	302.9	Pg	21:05:53.631	-0.8	T__	---	15131040	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.63	302.9	Lg	21:06:14.948	-1.0	T__	---	15131041	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VYHS	1.73	70.8	Pn	21:05:54.501	1.6	T__	---	15131042	FDSN	SK	--	BUD	iLoc	HHZ	???	_
BIOA	1.87	263.0	Pn	21:05:56.152	1.3	T__	0.5 0.12	15131043	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.87	263.0	Lg	21:06:23.248	-1.5	T__	7.5 0.46	15131044	FDSN	IR	--	ISC	iLoc	???	???	_
ZVC	2.08	316.6	Pg	21:06:00.600	-2.5	T__	---	15131045	FDSN	IR	--	ISC	iLoc	???	???	_
ZVC	2.08	316.6	Sn	21:06:26.100	2.3	T__	6.2 0.40	15131046	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.20	147.1	Pn	21:06:00.974	1.4	T__	---	15131047	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	2.20	147.1	Sn	21:06:30.291	3.3	T__	---	15131048	FDSN	HU	--	BUD	iLoc	BHE	???	_
KHC	2.20	303.4	Pg	21:06:03.200	-2.2	T__	---	15131049	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.20	303.4	Lg	21:06:32.000	-2.0	T__	---	15131050	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.37	329.9	Sn	21:06:33.090	2.2	T__	---	15131051	FDSN	CZ	--	BUD	iLoc	BHN	???	_
PRU	2.37	329.9	Lg	21:06:38.000	-0.5	T__	---	15131052	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.40	359.1	Lg	21:06:38.700	0.3	T__	---	15131053	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.33	332.3	Lg	21:07:09.130	0.4	T__	---	15131054	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.33	332.3	x	21:07:15.310	-99.0	---	1.7 0.34	15131055	FDSN	IR	--	ISC	iLoc	???	???	_

NKC 3.45 312.9 Lg 21:07:12.400 -1.1 T__ --- 15131056 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
 2018/11/05 09:16:12.46 1.03 0.66 48.5636 20.7645 5.9 3.9 164 0.0S 15 9 92 0.20 1.28 m kx BUD 15131177 iLoc 124
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 5 BUD 15131177

Sta	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	246.6	Pg	09:16:17.111	0.4					T__						15131179	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	246.6	Lg	09:16:19.845	-0.1					T__						15131180	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	246.6	Lg	09:16:21.000	1.0					T__		1.3				15131181	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.41	130.1	Pg	09:16:21.659	0.7					T__						15131182	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	130.1	Lg	09:16:27.924	-0.2					T__						15131183	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.87	222.3	Pn	09:16:31.326	0.1					T__						15131184	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.3	Lg	09:16:44.106	-0.2					T__						15131185	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.91	20.1	Pg	09:16:30.300	1.0					T__		0.1				15131186	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.91	20.1	Lg	09:16:42.819	-0.2					T__						15131187	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	1.04	304.9	Pg	09:16:32.846	0.0					T__						15131188	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KOLS	1.06	69.1	Lg	09:16:49.440	-0.4					T__						15131189	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.22	255.0	Sn	09:16:54.394	0.0					T__						15131190	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.26	109.5	Sn	09:16:54.943	-1.2					T__						15131191	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.28	267.6	Pg	09:16:37.919	-0.1					T__						15131192	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	267.6	Sn	09:16:55.402	-0.7					T__						15131193	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
 2018/11/05 09:22:16.65 1.80 0.22 47.3141 17.6388 10.2 7.9 166 0.0S 4 3 146 0.16 0.43 m kx BUD 15131171 iLoc 269
 (locality : Ugod Hungary)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.3 1 BUD 15131171

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MPLH	0.16	205.2	Pg	09:22:20.544	0.1					T__						15131173	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.16	205.2	Lg	09:22:23.292	-0.2					T__						15131174	FDSN	HU	--	BUD	iLoc	BHZ	???	_
EGYH	0.23	296.2	Lg	09:22:25.938	-0.1					T__						15131175	FDSN	HU	--	BUD	iLoc	HHE	???	_
CSKK	0.43	83.1	Lg	09:22:32.351	-0.1					T__						15131176	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
 2018/11/05 09:55:59.59 0.13 0.22 48.8119 16.1379 1.8 0.8 97 0.0F 0.0 10 22 0.90 1.57 a sx VIE 15111195 ISC 360
 2018/11/05 09:56:26.21 1.17 0.42 48.5029 17.4858 8.2 4.5 139 0.0S 10 6 131 0.16 1.23 m sx BUD 15131228 iLoc 176
 (locality : Trstin Slovakia)
 (description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15111195
ml	1.9		VIE	15111195
M	1.7	4	BUD	15131228

Sta	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	0.16	50.9	Pg	09:56:30.328	0.5					T__						15131230	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.19	227.0	Pg	09:56:30.427	-0.2					T__						15131231	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.19	227.0	Lg	09:56:34.600	0.6					T__						15131232	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.38	18.9	Pg	09:56:33.887	-0.3					T__						15131233	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.38	18.9	Lg	09:56:40.503	0.4					T__						15131234	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.57	95.3	Lg	09:56:46.045	-0.1					T__						15131235	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KRUC	0.91	308.2	Pn	09:56:44.964	-0.4					T__						15131236	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.91	308.2	Lg	09:56:56.872	0.4					T__						15131237	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CONA	1.23	242.7	Pg	09:56:50.664	0.1					T__						15131238	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.23	242.7	Sn	09:57:08.272	-0.0					T__						15131239	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
2018/11/05	11:00:43.96	1.20	1.04	48.1149	18.9598	4.1	3.9	91	0.0S		17	12	64	0.12	1.15	m	kx	BUD	15131194	iLoc		112
(description : known quarry blast)																						
(locality : Horne-Turovce Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	5	BUD	15131194

Sta	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	12.5	Pg	11:00:47.527	0.9					T__						15131196	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.12	12.5	Lg	11:00:48.926	0.2					T__						15131197	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A270A	0.27	171.7	Pg	11:00:50.784	0.9					T__						15131198	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.27	171.7	Lg	11:00:54.452	0.1					T__						15131199	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.39	347.8	Pg	11:00:52.921	1.0					T__						15131200	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.39	347.8	Lg	11:00:57.297	-0.6					T__						15131201	FDSN	SK	--	BUD	iLoc	HHN	???	_
A338A	0.42	256.5	Pg	11:00:53.674	1.0					T__						15131202	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.42	256.5	Lg	11:00:59.847	0.8					T__						15131203	FDSN	Z3	00	BUD	iLoc	HH2	???	_
SRO	0.53	235.5	Lg	11:01:03.709	0.9					T__						15131204	FDSN	SK	--	BUD	iLoc	EHN	???	_
A335A	0.53	308.8	Lg	11:01:03.095	0.3					T__						15131205	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.62	219.4	Lg	11:01:04.252	-1.6					T__						15131206	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.66	107.0	Pg	11:00:58.264	0.2					T__						15131207	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.66	107.0	Lg	11:01:08.137	-0.4					T__						15131208	FDSN	GE	--	BUD	iLoc	BHE	???	_
A332A	0.76	334.7	Lg	11:01:10.010	-0.4					T__						15131209	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A337A	0.79	279.8	Lg	11:01:09.543	-2.2					T__						15131210	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	1.08	69.5	Lg	11:01:21.419	-0.2					T__						15131211	FDSN	SK	--	BUD	iLoc	EHN	???	_
MODS	1.15	283.6	Sn	11:01:22.437	-1.5					T__						15131212	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
2018/11/05	13:42:31.50	3.06	0.95	46.1193	17.9400	23.8	7.7	142	0.0S		5	3	235	0.12	0.50	m	kx	BUD	15131213	iLoc		333
2018/11/05	13:42:32.37f		1.18	46.1254	18.0152f				0.0S		5		224	0.07	0.45	m	kx	BUD_GT	15136144	BUD		315

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

Magnitude Err Nsta Author OrigID
 MLv 1.5 0.6 2 BUD 15136144

Sta	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	13:42:35.102	0.7					T__		150.1			MLv	15138810	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	13:42:36.495	0.3					T__						15138811	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Lg	13:42:39.677	-2.5					T__						15138812	FDSN	Z3	--	BUD	BUD	HHE	???	_
MORH	0.45	78.1	Pg	13:42:42.254	0.5					T__		1.9			MLv	15138813	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	13:42:49.012	0.0					T__						15138814	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
2018/11/06	08:45:09.50	0.40		46.2990	21.6200	0.1	0.0		38.0F	6.9	11			0.68	3.11	a	ke BEO	15111217	ISC			360
2018/11/06	08:45:09.53	0.24	0.27	46.4002	21.5427	1.9	0.9	109	9.8F	1.1	21		177	0.16	1.82	a	ke BUC	15111220	ISC			360
2018/11/06	08:45:08.94	0.84	1.53	46.4110	21.5171	4.6	2.8	97	9.7F	1.1	61	19	100	0.17	3.24	m	ke BUD	15131264	iLoc			130

Magnitude Err Nsta Author OrigID
 ML 1.9 BEO 15111217
 ml 2.2 BUC 15111220
 M 2.3 8 BUD 15131264

Sta	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	145.4	Pg	08:45:13.252	0.1					T__						15131266	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.17	145.4	Pg	08:45:13.252	0.1					T__		0.3				15131267	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.17	145.4	Lg	08:45:15.760	-0.7					T__		0.3				15131268	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.18	145.2	Pg	08:45:13.435	0.2					T__						15131269	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.18	145.2	Lg	08:45:16.488	-0.1					T__						15131270	FDSN	RO	--	BUD	iLoc	BHN	???	_
BORR	0.70	15.1	Lg	08:45:33.187	-1.3					T__						15131271	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.70	15.1	Lg	08:45:33.187	-1.3					T__		0.5				15131272	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.78	147.0	Pg	08:45:24.174	-0.1					T__						15131273	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.78	147.0	Pg	08:45:24.174	-0.1					T__						15131274	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.78	147.0	Lg	08:45:34.539	-1.0					T__						15131275	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.80	173.8	Pg	08:45:24.122	-0.5					T__						15131276	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.80	173.8	Lg	08:45:34.670	-1.5					T__						15131277	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.80	175.0	Pg	08:45:23.900	-0.7					T__						15131278	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.80	175.0	Pb	08:45:24.542	-0.1					T__						15131279	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.80	175.0	Pb	08:45:24.542	-0.1					T__		0.1				15131280	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.80	175.0	Lg	08:45:34.000	-2.2					T__						15131281	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.80	175.0	Sg	08:45:35.679	-0.5					T__		0.1				15131282	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.91	64.7	Pn	08:45:27.000	0.1					T__						15131283	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.91	64.7	Pg	08:45:27.416	0.3					T__						15131284	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.91	64.7	Pg	08:45:27.416	0.3					T__		0.1				15131285	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.91	64.7	Sn	08:45:38.900	-2.2					T__						15131286	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.91	64.7	Lg	08:45:39.089	-2.3					T__		0.1				15131287	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.91	64.7	Pg	08:45:27.888	0.8					T__						15131288	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.91	64.7	Sn	08:45:39.734	-1.4					T__						15131289	FDSN	RO	--	BUD	iLoc	BHN	???	_
BANR	1.06	194.6	Pg	08:45:30.865	1.3					T__						15131290	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BANR	1.06	194.6	Sn	08:45:44.721	0.8					T__						15131291	FDSN	RO	--	BUD	iLoc	BHE	???	_

DEV	1.09	118.1	Pg	08:45:30.585	0.7	T__	---	15131292	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
DEV	1.09	118.1	Lg	08:45:46.349	0.5	T__	---	15131293	FDSN	RO	--	BUD	iLoc	BHN	???	_	
DEV	1.10	118.2	Pg	08:45:30.336	0.3	T__	---	15131294	FDSN	IR	--	ISC	iLoc	???	???	_	
DEV	1.10	118.2	Pg	08:45:30.336	0.3	T__	0.1	---	15131295	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	1.10	118.2	Lg	08:45:45.709	-0.3	T__	0.1	---	15131296	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.14	75.9	Pg	08:45:31.224	-0.3	T__	---	15131297	FDSN	IR	--	ISC	iLoc	???	???	_	
MARR	1.14	75.9	Pg	08:45:31.224	-0.3	T__	0.1	---	15131298	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.14	75.9	Sn	08:45:46.358	-0.7	T__	0.1	---	15131299	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.23	52.6	Sn	08:45:49.613	0.6	T__	---	15131300	FDSN	IR	--	ISC	iLoc	???	???	_	
MESR	1.23	52.6	Sn	08:45:49.613	0.6	T__	0.2	---	15131301	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	1.30	186.0	Pn	08:45:32.700	0.8	T__	---	15131302	FDSN	IR	--	ISC	iLoc	???	???	_	
VRSS	1.30	186.0	Sn	08:45:47.600	-2.4	T__	---	15131303	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.35	138.7	Pg	08:45:34.408	-0.4	T__	---	15131304	FDSN	IR	--	ISC	iLoc	???	???	_	
GZR	1.35	138.7	Pg	08:45:34.408	-0.4	T__	0.1	---	15131305	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.35	138.7	Pg	08:45:35.153	0.3	T__	---	15131306	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
GZR	1.35	138.7	Sn	08:45:52.543	1.0	T__	0.1	---	15131307	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.35	138.7	Lg	08:45:54.503	0.6	T__	---	15131308	FDSN	RO	--	BUD	iLoc	BHE	???	_	
CJR	1.47	77.4	Sn	08:45:55.911	0.7	T__	---	15131309	FDSN	IR	--	ISC	iLoc	???	???	_	
CJR	1.47	77.4	Sn	08:45:55.911	0.7	T__	0.1	---	15131310	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.47	77.4	Lg	08:45:57.749	-2.0	T__	---	15131311	FDSN	RO	--	BUD	iLoc	BHN	???	_	
HERR	1.65	157.3	Pn	08:45:38.251	1.2	T__	---	15131312	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.65	157.3	Pn	08:45:38.251	1.2	T__	---	15131313	FDSN	IR	--	ISC	iLoc	???	???	_	
HERR	1.65	157.3	Sn	08:46:00.286	1.1	T__	---	15131314	FDSN	IR	--	ISC	iLoc	???	???	_	
FRGS	1.73	224.2	Pn	08:45:40.200	2.1	T__	---	15131315	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.84	120.7	Sn	08:46:05.438	0.9	T__	---	15131316	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.84	120.7	Sn	08:46:05.438	0.9	T__	---	15131317	FDSN	IR	--	ISC	iLoc	???	???	_	
LOT	1.84	120.7	Pg	08:45:43.449	-0.8	T__	---	15131318	FDSN	RO	--	BUD	iLoc	BHZ	???	_	
LOT	1.84	120.7	Lg	08:46:08.588	-2.0	T__	---	15131319	FDSN	RO	--	BUD	iLoc	BHN	???	_	
TRPA	1.86	21.7	Pn	08:45:42.787	2.5	T__	---	15131320	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
PSZ	1.87	324.3	Pn	08:45:42.736	2.3	T__	---	15131321	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	1.87	324.3	Sn	08:46:01.413	-2.9	T__	---	15131322	FDSN	GE	--	BUD	iLoc	BHN	???	_	
ABAH	1.90	354.4	Pn	08:45:42.991	2.3	T__	---	15131323	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ABAH	1.90	354.4	Sn	08:46:08.130	3.2	T__	---	15131324	FDSN	HU	--	BUD	iLoc	HHE	???	_	
ABAH	1.90	354.4	Lg	08:46:10.509	-4.3	T__	---	15131325	FDSN	HU	--	BUD	iLoc	HHN	???	_	
ZAPS	3.24	165.4	Lg	08:46:48.400	-4.5	T__	---	15131326	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
 2018/11/06 09:34:28.35 1.05 0.86 48.5557 20.7885 6.1 4.1 166 0.0S 14 7 111 0.21 1.30 m kx BUD 15131240 iLoc 201
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 6 BUD 15131240

Sta	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	250.3	Pg	09:34:32.874	0.1	T__	---	---	---	---	---	---	---	---	---	15131242	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	250.3	Lg	09:34:35.748	-0.5	T__	---	---	---	---	---	---	---	---	---	15131243	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.21	250.3	Lg	09:34:36.900	0.6	T__	---	---	---	---	---	1.3	---	---	---	15131244	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.40	130.7	Pg	09:34:37.211	0.7	T__	---	---	---	---	---	---	---	---	---	15131245	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	130.7	Lg	09:34:43.149	-0.2	T__	---	---	---	---	---	---	---	---	---	15131246	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.87	223.5	Pg	09:34:47.062	0.3	T__	---	---	---	---	---	---	---	---	---	15131247	FDSN	GE	--	BUD	iLoc	BHZ	???	_

PSZ	0.87	223.5	Lg	09:34:59.579	-0.8	T__	---	15131248	FDSN	GE	--	BUD	iLoc	BHE	???	_
STHS	0.91	19.0	Pg	09:34:45.880	0.7	T__	---	15131249	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.91	19.0	Lg	09:34:58.043	-0.9	T__	---	15131250	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	1.24	255.5	Sn	09:35:10.730	0.1	T__	---	15131251	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.24	109.4	Pg	09:34:52.907	0.6	T__	---	15131252	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.24	109.4	Sn	09:35:09.913	-1.7	T__	---	15131253	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.30	268.0	Pn	09:34:53.615	0.6	T__	---	15131254	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	268.0	Sn	09:35:11.412	-1.0	T__	---	15131255	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
2018/11/06	10:52:18.49	1.61	0.46	47.2191	18.3444	9.2	6.5	118	0.0S	6	4	132	0.16	1.26	m	kx	BUD	15131256	iLoc			210
2018/11/06	10:52:19.10f		0.39	47.2302	18.2835f				0.0S	6		129	0.13	1.29	m	kx	BUD_GT	15136151	BUD			206
(locality : Iszkaszentgyörgy Hungary)																						
(description : known quarry blast)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	2	BUD	15136151

Sta	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	10:52:22.555	0.1					T__						15138815	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:52:24.947	-0.2					T__						15138816	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:52:30.137	0.4					T__						15138817	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:52:37.975	0.3					T__						15138818	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Sn	10:52:58.382	-0.8					T__						15138819	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	1.29	57.1	Sn	10:53:02.707	-0.1					T__						15138820	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	
2018/11/06	11:18:44.24	0.14	0.31	46.0333	22.8249	1.2	1.0	54	6.6F	2.1	17		72	0.15	1.66	a	ke	BUC	15111333	ISC			360
2018/11/06	11:18:43.62	1.62	0.89	46.0560	22.8443	7.6	3.5	3	0.8F	10.6	33	9	72	0.17	1.66	m	ke	BUD	15131327	iLoc			118

Magnitude	Err	Nsta	Author	OrigID
m1	1.4		BUC	15111333
M	1.6	5	BUD	15131327

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
DEV	0.17	167.5	Pg	11:18:46.641	-0.3					T__						15131329	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.17	167.5	Lg	11:18:49.949	0.5					T__						15131330	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.18	166.6	Pg	11:18:47.012	-0.0					T__						15131331	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	166.6	Pg	11:18:47.012	-0.0					T__						15131332	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	239.2	Pg	11:18:55.314	0.2					T__						15131333	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	239.2	Pg	11:18:55.314	0.2					T__						15131334	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.59	239.2	Lg	11:19:02.745	-0.8					T__						15131335	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.1	Pg	11:18:56.182	-0.3					T__						15131336	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.66	184.1	Pg	11:18:56.381	-0.1					T__						15131337	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.1	Pg	11:18:56.381	-0.1					T__						15131338	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.1	Lg	11:19:05.323	-0.7					T__						15131339	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	184.1	Lg	11:19:05.800	-0.2					T__						15131340	FDSN	RO	--	BUD	iLoc	BHN	???	_

DRGR	0.74	352.9	Pg	11:18:58.777	0.3	T__	---	15131341	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	352.9	Pg	11:18:58.777	0.3	T__	---	15131342	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	352.9	Lg	11:19:09.440	-1.1	T__	---	15131343	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	352.9	Pn	11:19:01.246	0.8	---	---	15131344	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.74	352.9	Lg	11:19:09.083	-1.4	T__	---	15131345	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.84	38.2	Lg	11:19:13.159	-0.1	T__	---	15131346	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.84	38.2	Lg	11:19:13.159	-0.1	T__	---	15131347	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.7	Lg	11:19:15.266	1.5	T__	---	15131348	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.85	284.8	Pg	11:19:00.879	-0.0	T__	---	15131349	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.8	Pg	11:19:00.879	-0.0	T__	---	15131350	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.85	284.8	Lg	11:19:12.161	-1.7	T__	---	15131351	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	132.9	Lg	11:19:14.269	0.6	T__	---	15131352	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.89	132.9	Pg	11:19:01.475	0.7	T__	---	15131353	FDSN	RO	--	BUD	iLoc	BHZ	???	_
LOT	0.89	132.9	Lg	11:19:11.551	-2.2	T__	---	15131354	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.95	243.0	Pn	11:19:03.740	0.9	T__	---	15131355	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.95	243.0	Lg	11:19:17.302	1.5	T__	---	15131356	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.96	243.3	Pg	11:19:01.781	-0.7	T__	---	15131357	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.96	243.3	Pg	11:19:01.781	-0.7	T__	---	15131358	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.96	243.3	Lg	11:19:15.301	-1.0	T__	---	15131359	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.66	111.1	Pn	11:19:14.392	0.7	T__	---	15131360	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.66	111.1	Pn	11:19:14.392	0.7	T__	---	15131361	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.66	111.1	Sn	11:19:36.295	-1.0	T__	---	15131362	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
 2018/11/06 11:34:16.79 1.21 1.36 48.5698 18.7737 7.6 4.1 41 0.0S 14 9 171 0.09 1.26 m kx BUD 15131363 iLoc 231
 (description : known quarry blast)
 (locality : Bzenica Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15131363

Sta	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	0.09	151.3	Pg	11:34:19.504	0.7					T__						15131365	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.09	151.3	Lg	11:34:21.081	0.8					T__						15131366	FDSN	SK	--	BUD	iLoc	HHN	???	_
A332A	0.31	319.0	Pg	11:34:24.525	1.4					T__						15131367	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.31	319.0	Lg	11:34:26.208	-1.6					T__						15131368	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.32	247.3	Pg	11:34:23.262	-0.1					T__						15131369	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.32	247.3	Lg	11:34:27.846	-0.4					T__						15131370	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.37	155.9	Pg	11:34:25.847	1.5					T__						15131371	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.37	155.9	Lg	11:34:29.752	-0.1					T__						15131372	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A338A	0.62	207.0	Lg	11:34:38.815	0.2					T__						15131373	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A270A	0.74	167.2	Lg	11:34:41.412	-1.9					T__						15131374	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.99	130.6	Pn	11:34:37.265	0.0					T__						15131375	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.99	130.6	Lg	11:34:50.089	-2.9					T__						15131376	FDSN	GE	--	BUD	iLoc	BHE	???	_
MODS	1.02	259.4	Lg	11:34:52.023	0.0					T__						15131377	FDSN	SK	--	BUD	iLoc	HHE	???	_
CSKK	1.26	196.1	Sn	11:34:58.435	-0.6					T__						15131378	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

2018/11/07 00:02:56.36	0.14	0.30	46.0778	21.6595	1.3	0.7	104	2.1F	1.8	23	138	0.19	1.60	a	ke BUC	15111429	ISC	360
2018/11/07 00:02:55.67	1.07	1.09	46.1065	21.5818	4.7	3.6	102	8.4F	6.7	42	14 113	0.17	2.15	m	ke BUD	15131411	iLoc	153

Magnitude	Err	Nsta	Author	OrigID
m1	1.8		BUC	15111429
M	2.0		6 BUD	15131411

Sta	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	19.5	Pg	00:03:00.022	0.3					T__						15131413	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.17	19.5	Lg	00:03:02.773	-0.1					T__						15131414	FDSN	RO	--	BUD	iLoc	BHE	???	_
TIM	0.45	214.4	Pg	00:03:04.665	-0.1					T__						15131415	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.45	214.4	Pg	00:03:04.665	-0.1					T__		0.2				15131416	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.45	214.4	Lg	00:03:11.502	0.0					T__		0.2				15131417	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.49	175.2	Pg	00:03:04.821	-0.6					T__						15131418	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.49	175.2	Lg	00:03:11.423	-1.3					T__						15131419	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.49	177.1	Pg	00:03:05.240	-0.2					T__						15131420	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.49	177.1	Pg	00:03:05.240	-0.2					T__		0.1				15131421	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.49	177.1	Lg	00:03:11.572	-1.2					T__		0.1				15131422	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.52	132.7	Pg	00:03:05.803	-0.1					T__						15131423	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.52	132.7	Pg	00:03:05.803	-0.1					T__						15131424	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.52	132.7	Lg	00:03:11.714	-1.7					T__						15131425	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.79	203.5	Lg	00:03:22.392	-0.2					T__						15131426	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.79	203.5	Lg	00:03:22.392	-0.2					T__		0.1				15131427	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.99	8.1	Sn	00:03:30.463	0.7					T__						15131428	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	0.99	8.1	Sn	00:03:30.463	0.7					T__						15131429	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.04	48.3	Pn	00:03:15.905	0.3					T__						15131430	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.04	48.3	Pn	00:03:15.905	0.3					T__						15131431	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.04	48.3	Sn	00:03:30.123	-1.3					T__						15131432	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.04	48.3	Pn	00:03:15.772	0.1					T__						15131433	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.04	48.3	Sn	00:03:29.323	-2.1					T__						15131434	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.10	130.0	Pg	00:03:16.293	-0.5					T__						15131435	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.10	130.0	Lg	00:03:31.107	-1.5					T__						15131436	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.10	130.0	Lg	00:03:31.271	-1.3					T__						15131437	FDSN	RO	--	BUD	iLoc	BHE	???	_
MARR	1.21	61.3	Pn	00:03:19.060	0.9					T__						15131438	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.21	61.3	Pn	00:03:19.060	0.9					T__						15131439	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.21	61.3	Sn	00:03:34.689	-1.2					T__						15131440	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	154.1	Pg	00:03:21.167	-0.5					T__						15131441	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	154.1	Pg	00:03:21.167	-0.5					T__						15131442	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.36	154.1	Sn	00:03:39.805	1.0					T__						15131443	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.41	41.6	Sn	00:03:42.131	1.7					T__						15131444	FDSN	IR	--	ISC	iLoc	???	???	_
MESR	1.41	41.6	Sn	00:03:42.131	1.7					T__						15131445	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.52	65.8	Pg	00:03:24.624	-0.7					T__						15131446	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	1.52	65.8	Sn	00:03:45.101	1.4					T__						15131447	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.52	65.8	Sn	00:03:45.736	2.1					T__						15131448	FDSN	RO	--	BUD	iLoc	BHN	???	_
LOT	1.67	112.5	Pn	00:03:25.578	1.1					T__						15131449	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.67	112.5	Pn	00:03:25.578	1.1					T__						15131450	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.67	112.5	Sn	00:03:48.056	0.9					T__						15131451	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	1.67	112.6	Sn	00:03:49.071	1.8					T__						15131452	FDSN	RO	--	BUD	iLoc	BHE	???	_
PSZ	2.15	328.1	Pn	00:03:31.272	0.1					T__						15131453	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	2.15	328.1	Sn	00:03:56.433	-1.8					T__						15131454	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
 2018/11/07 09:09:34.13 1.96 0.37 47.3308 18.3819 14.2 7.8 75 0.0S 4 3 170 0.09 1.13 m kx BUD 15131455 iLoc 291
 (description : known 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	291.6	Pg	09:09:36.741	0.2					T__						15131457	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.09	291.6	Lg	09:09:38.370	-0.2					T__						15131458	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.31	0.1	Lg	09:09:45.692	-0.1					T__						15131459	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MORH	1.13	170.7	Lg	09:10:13.433	-0.1					T__						15131460	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
 2018/11/07 09:51:38.87 1.16 0.57 48.5562 20.7639 6.4 4.5 151 0.0S 13 8 93 0.20 1.28 m kx BUD 15131461 iLoc 163
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 6 BUD 15131461

Sta	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	248.6	Pg	09:51:43.084	0.0					T__						15131463	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	248.6	Lg	09:51:47.430	1.1					T__						15131464	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.41	129.2	Pg	09:51:47.153	-0.1					T__						15131465	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.86	222.6	Pg	09:51:56.475	-0.6					T__						15131466	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.86	222.6	Lg	09:52:10.823	0.3					T__						15131467	FDSN	GE	--	BUD	iLoc	BHE	???	_
STHS	0.92	20.0	Pg	09:51:56.160	0.4					T__						15131468	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.92	20.0	Lg	09:52:09.486	-0.2					T__						15131469	FDSN	SK	--	BUD	iLoc	EHN	???	_
LANS	1.04	305.3	Pg	09:51:58.769	-0.5					T__						15131470	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.22	255.3	Pg	09:52:03.170	-0.1					T__						15131471	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.22	255.3	Lg	09:52:21.260	0.1					T__						15131472	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.26	109.1	Pg	09:52:02.843	-0.2					T__						15131473	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.28	267.9	Pn	09:52:03.649	0.4					T__						15131474	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	267.9	Sn	09:52:21.649	-0.9					T__						15131475	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
 2018/11/07 10:12:53.12 1.24 0.66 48.2455 21.2316 7.5 4.7 170 0.0S 9 6 153 0.05 0.98 m kx BUD 15131476 iLoc 198
 2018/11/07 10:12:53.16f 0.56 48.2470 21.2460f 0.0S 9 153 0.05 0.97 m kx BUD_GT 15137229 BUD 198
 (locality : Tallya Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 ML 1.9 0.4 3 BUD 15131476
 ML 1.9 0.4 3 BUD 15137229

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

ABAH	0.05	355.1	Pg	10:12:54.212	-0.5	T__	552.2	---	MLv	15138821	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	10:12:56.375	0.2	T__		---		15138822	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	10:13:04.562	0.2	T__	12.5	---	MLv	15138823	FDSN	SK	--	BUD	BUD	EHE	EHZ	_
KECS	0.56	295.3	Lg	10:13:12.768	-0.2	T__		---		15138824	FDSN	SK	--	BUD	BUD	EHN	???	_
HOLU	0.81	69.3	Pg	10:13:09.906	1.1	T__		---		15138825	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	10:13:11.980	-0.2	T__	3.3	---	MLv	15138826	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
TRPA	0.87	97.2	Lg	10:13:24.399	-0.7	T__		---		15138827	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Lg	10:13:27.811	-0.6	T__		---		15138828	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Lg	10:13:27.922	0.6	T__		---		15138829	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
2018/11/07	20:46:52.19	1.24	1.02	47.3771	18.2508	8.5	5.8	55	5.1F	6.7	9	6	147	0.02	1.19	m	ke BUD	15131500	iLoc			230

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15131500

Sta	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	154.1	Pg	20:46:53.577	0.1					T__						15131502	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.02	154.1	Lg	20:46:54.137	-0.4					T__						15131503	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A268A	0.23	283.8	Pg	20:46:57.386	0.3					T__						15131504	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.23	283.8	Lg	20:47:00.174	-0.6					T__						15131505	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.53	247.1	Pg	20:47:03.195	0.4					T__						15131506	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A338A	0.64	6.1	Pg	20:47:05.434	0.3					T__						15131507	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.85	179.4	Pg	20:47:10.022	0.8					T__						15131508	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.19	166.8	Pn	20:47:15.002	0.7					T__						15131509	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.19	166.8	Sn	20:47:29.760	-1.8					T__						15131510	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	
2018/11/08	08:48:23.23	1.17	0.97	48.0776	21.3472	8.1	5.7	170	0.0S		10	7	117	0.23	1.59	m	sx BUD	15131511	iLoc				198

(locality : Táallya Hungary)

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	3 BUD	15131511

Sta	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	341.8	Pg	08:48:29.238	1.0					T__	5.8	26.2		---	MLv	1.4	15131513	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.23	341.8	Lg	08:48:30.816	-1.8					T__						15131514	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
(Station ML	:	1.4	1																						
TRPA	0.80	85.8	Pn	08:48:40.231	-1.1					T__	1.4	1.8		---	MLv	1.2	15131515	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
TRPA	0.80	85.8	Lg	08:48:52.648	0.0					T__						15131516	FDSN	HU	--	BUD	iLoc	BHN	???	_	
(Station ML	:	1.2	1																						
HOLU	0.83	56.6	Pn	08:48:41.000	-0.7					T__						15131517	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
MUKU	0.97	66.7	Pn	08:48:43.486	-0.3					T__						15131518	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
PSZ	0.99	261.3	Lg	08:49:00.078	0.7					T__						15131519	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
KOLS	1.05	35.4	Pn	08:48:45.575	0.6					T__	4.4	928.0		---	MLv	4.1	15131520	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
KOLS	1.05	35.4	Lg	08:49:00.333	-0.1					T__						15131521	FDSN	SK	--	BUD	iLoc	HHN	???	_	
(Station ML	:	4.1	1																						

DRGR 1.59 143.8 Sn 08:49:14.684 -0.3 T__ --- 15131522 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
 2018/11/08 11:41:07.36 1.81 0.43 48.3648 20.0022 10.4 7.9 158 0.0S 4 3 149 0.34 0.79 m kx BUD 15131547 iLoc 269
 (locality : Husina Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.7 1 BUD 15131547

Sta	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	69.6	Lg	11:41:19.585	-0.2					T__					15131549	FDSN	SK	--	BUD	iLoc	EHE	???	_	
PSZ	0.45	189.2	Pg	11:41:17.448	0.2					T__					15131550	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.45	189.2	Lg	11:41:24.369	-0.3					T__					15131551	FDSN	GE	--	BUD	iLoc	BHN	???	_	
VVHS	0.79	279.9	Lg	11:41:34.648	-0.2					T__					15131552	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
 2018/11/08 13:11:35.24 1.19 0.55 48.1959 21.2448 8.2 5.8 152 0.0S 9 6 159 0.10 1.01 m kx BUD 15131553 iLoc 206
 2018/11/08 13:11:35.63f 0.70 48.2470 21.2460f 0.0S 9 153 0.05 0.97 m kx BUD_GT 15137232 BUD 198
 (description : known quarry blast)
 (locality : Tallya Hungary)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 M 2.2 5 BUD 15137232

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ABAH	0.05	355.1	Pg	13:11:37.671	0.5					T__					15138830	FDSN	HU	--	BUD	BUD	HHZ	???	_	
ABAH	0.05	355.1	Lg	13:11:39.214	0.6					T__					15138831	FDSN	HU	--	BUD	BUD	HHE	???	_	
KECS	0.56	295.3	Pg	13:11:47.552	0.7					T__					15138832	FDSN	SK	--	BUD	BUD	EHE	???	_	
HOLU	0.81	69.3	Pn	13:11:53.310	-0.5					T__					15138833	FDSN	UA	--	BUD	BUD	MHZ	???	_	
TRPA	0.87	97.2	Pn	13:11:54.061	-0.6					T__					15138834	FDSN	HU	--	BUD	BUD	BHZ	???	_	
TRPA	0.87	97.2	Lg	13:12:06.982	-0.5					T__					15138835	FDSN	HU	--	BUD	BUD	BHN	???	_	
PSZ	0.96	250.6	Pn	13:11:55.134	-0.7					T__					15138836	FDSN	GE	--	BUD	BUD	BHZ	???	_	
PSZ	0.96	250.6	Lg	13:12:09.791	-1.1					T__					15138837	FDSN	GE	--	BUD	BUD	BHN	???	_	
KOLS	0.97	44.4	Pn	13:11:57.050	0.9					T__					15138838	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
 2018/11/08 14:28:43.97 1.00 0.95 48.5362 22.8836 5.0 3.9 85 11.8F 3.8 21 15 74 0.15 1.75 m ke BUD 15131622 iLoc 106

Magnitude Err Nsta Author OrigID
 M 2.6 7 BUD 15131622

Sta	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	0.15	237.7	Pg	14:28:48.047	0.4					T__					15131624	FDSN	UA	--	BUD	iLoc	MHZ	???	_	
BRIU	0.22	155.3	Pg	14:28:48.665	-0.1					T__					15131625	FDSN	UA	--	BUD	iLoc	MHZ	???	_	

HOLU	0.33	268.6	Pg	14:28:51.220	0.5	T__	---	15131626	FDSN	UA	--	BUD	iLoc	MHZ	???	_
TRPA	0.47	209.6	Pg	14:28:54.176	0.9	T__	---	15131627	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	0.47	209.6	Lg	14:29:00.893	-0.5	T__	---	15131628	FDSN	HU	--	BUD	iLoc	BHN	???	_
STZU	0.51	340.4	Pg	14:28:53.818	-0.0	T__	---	15131629	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KOLS	0.57	314.7	Pg	14:28:55.546	0.6	T__	---	15131630	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.57	314.7	Lg	14:29:01.933	-2.3	T__	---	15131631	FDSN	SK	--	BUD	iLoc	HHN	???	_
SHIU	0.76	24.5	Pg	14:28:59.850	1.2	T__	---	15131632	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MORS	0.90	47.8	Pg	14:29:01.303	-0.0	T__	---	15131633	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BMR	0.96	154.3	Pg	14:29:02.947	0.5	T__	---	15131634	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BMR	0.96	154.3	Lg	14:29:17.323	-0.3	T__	---	15131635	FDSN	RO	--	BUD	iLoc	BHE	???	_
STNU	1.09	80.2	Pg	14:29:04.721	-0.2	T__	---	15131636	FDSN	UA	--	BUD	iLoc	MHZ	???	_
KWP	1.10	354.0	Pn	14:29:06.390	1.0	T__	---	15131637	FDSN	PL	--	BUD	iLoc	BHZ	???	_
KWP	1.10	354.0	Lg	14:29:20.664	-0.5	T__	---	15131638	FDSN	PL	--	BUD	iLoc	BHE	???	_
ABAH	1.12	258.2	Pn	14:29:04.659	-0.6	T__	---	15131639	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	1.12	258.2	Sn	14:29:20.766	-1.2	T__	---	15131640	FDSN	HU	--	BUD	iLoc	HHE	???	_
STHS	1.39	309.8	Sn	14:29:29.316	0.1	T__	---	15131641	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	1.60	269.0	Pn	14:29:13.489	1.7	T__	---	15131642	FDSN	SK	--	BUD	iLoc	EHN	???	_
DRGR	1.75	183.9	Pn	14:29:14.659	0.4	T__	---	15131643	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.75	183.9	Sn	14:29:37.204	-0.5	T__	---	15131644	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
2018/11/09	08:02:52.35	0.38	0.47	46.8640	22.8812	2.9	1.8	159	3.1F	2.0	20	184	0.14	2.07	a	ke	BUC	15111499	ISC			360
2018/11/09	08:02:50.63	1.18	0.84	46.9263	22.8949	7.4	4.1	156	0.0S		35	10	193	0.18	2.11	m	sx	BUD	15131564	iLoc		261

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
m1	1.6		BUC	15111499
M	1.8	5	BUD	15131564

Sta	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	223.2	Pg	08:02:55.483	0.7					T__						15131566	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.18	223.2	Lg	08:02:57.722	-0.5					T__						15131567	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.18	223.2	Pg	08:02:55.179	0.4					T__						15131568	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.18	223.2	Pg	08:02:55.179	0.4					T__		0.1				15131569	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	148.3	Pg	08:02:56.880	0.0					T__						15131570	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	148.3	Pg	08:02:56.880	0.0					T__						15131571	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.29	148.3	Lg	08:03:00.956	-1.0					T__						15131572	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.08	232.6	Pn	08:03:11.828	-0.5					T__						15131573	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.08	232.7	Pn	08:03:12.402	0.1					T__						15131574	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.08	232.7	Pn	08:03:12.402	0.1					T__						15131575	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.08	232.7	Lg	08:03:26.415	-2.4					T__						15131576	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.29	204.7	Pn	08:03:15.374	0.4					T__						15131578	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.29	204.7	Pn	08:03:15.374	0.4					T__						15131577	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.29	204.7	Lg	08:03:32.520	-1.6					T__						15131579	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.54	183.1	Pg	08:03:20.114	0.1					T__						15131580	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.54	183.1	Pg	08:03:20.480	0.5					T__						15131581	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.54	183.1	Pg	08:03:20.480	0.5					T__						15131582	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.54	183.1	Sn	08:03:40.890	0.1					T__						15131583	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.54	183.1	Sn	08:03:41.080	0.2					T__						15131584	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.57	214.1	Pn	08:03:19.919	0.9					T__						15131585	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.57	214.1	Sn	08:03:42.667	1.3					T__						15131586	FDSN	RO	--	BUD	iLoc	BHN	???	_

BZS	1.58	214.6	Sn	08:03:40.849	-0.8	T__	---	15131587	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.60	157.3	Pg	08:03:21.729	0.5	T__	---	15131588	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.60	157.3	Pg	08:03:21.729	0.5	T__	---	15131589	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.60	157.3	Sn	08:03:42.686	-0.1	T__	---	15131590	FDSN	IR	--	ISC	iLoc	???	???	-
LOT	1.60	157.4	Pg	08:03:21.437	0.2	T__	---	15131591	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BURAR	1.72	65.6	Pg	08:03:24.235	0.2	T__	---	15131592	FDSN	IR	--	ISC	iLoc	???	???	-
BURAR	1.72	65.6	Pg	08:03:24.235	0.2	T__	---	15131593	FDSN	IR	--	ISC	iLoc	???	???	-
BURAR	1.72	65.6	Sn	08:03:47.228	0.7	T__	---	15131594	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	2.07	189.5	Pn	08:03:28.039	1.7	T__	---	15131595	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	2.07	189.5	Pn	08:03:28.039	1.7	T__	---	15131596	FDSN	IR	--	ISC	iLoc	???	???	-
HERR	2.07	189.5	Sn	08:03:53.672	-0.5	T__	---	15131597	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	2.11	134.1	Pn	08:03:27.424	0.0	T__	---	15131598	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	2.11	134.1	Pn	08:03:27.424	0.0	T__	---	15131599	FDSN	IR	--	ISC	iLoc	???	???	-
VOIR	2.11	134.1	Sn	08:03:55.821	-0.2	T__	---	15131600	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
 2018/11/09 10:51:02.83 1.06 0.79 48.5505 20.7559 5.5 3.8 172 0.0S 19 8 94 0.19 1.28 m kx BUD 15131601 iLoc 154
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.9 4 BUD 15131601

Sta	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	249.6	Pg	10:51:07.400	0.5					T__		2.9				15131603	FDSN	IR	--	ISC	iLoc	???	???	-
KECS	0.19	249.6	Pg	10:51:07.545	0.7					T__						15131604	FDSN	SK	--	BUD	iLoc	EHN	???	-
KECS	0.19	249.6	Lg	10:51:10.649	0.6					T__						15131605	FDSN	SK	--	BUD	iLoc	EHN	???	-
KECS	0.19	249.6	Lg	10:51:11.500	1.5					T__		2.9				15131606	FDSN	IR	--	ISC	iLoc	???	???	-
ABAH	0.41	128.1	Pg	10:51:12.400	1.2					T__		0.1				15131607	FDSN	IR	--	ISC	iLoc	???	???	-
ABAH	0.41	128.1	Lg	10:51:17.698	-0.6					T__						15131608	FDSN	HU	--	BUD	iLoc	HHE	???	-
ABAH	0.41	128.1	Lg	10:51:17.800	-0.5					T__		0.1				15131609	FDSN	IR	--	ISC	iLoc	???	???	-
PSZ	0.86	222.6	Pn	10:51:21.700	0.3					T__		0.1				15131610	FDSN	IR	--	ISC	iLoc	???	???	-
PSZ	0.86	222.6	Sn	10:51:35.400	-0.7					T__		0.1				15131611	FDSN	IR	--	ISC	iLoc	???	???	-
PSZ	0.86	222.6	Pg	10:51:21.209	0.4					T__						15131612	FDSN	GE	--	BUD	iLoc	BHZ	???	-
PSZ	0.86	222.6	Lg	10:51:33.855	-0.3					T__						15131613	FDSN	GE	--	BUD	iLoc	BHN	???	-
NIE	0.92	341.1	Lg	10:51:33.700	0.3					T__						15131614	FDSN	IR	--	ISC	iLoc	???	???	-
STHS	0.92	20.2	Pg	10:51:20.700	0.8					T__		0.1				15131615	FDSN	IR	--	ISC	iLoc	???	???	-
KOLS	1.07	68.6	Lg	10:51:39.708	-0.9					T__						15131616	FDSN	SK	--	BUD	iLoc	HHE	???	-
A336A	1.21	255.5	Pg	10:51:26.975	-0.1					T__						15131617	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A336A	1.21	255.5	Sn	10:51:43.877	-0.6					T__						15131618	FDSN	Z3	00	BUD	iLoc	HH2	???	-
VYHS	1.28	268.2	Lg	10:51:46.900	-0.2					T__		0.0				15131619	FDSN	IR	--	ISC	iLoc	???	???	-
VYHS	1.28	268.2	Pg	10:51:27.748	-0.5					T__						15131620	FDSN	SK	--	BUD	iLoc	HHZ	???	-
VYHS	1.28	268.2	Sn	10:51:45.051	-1.3					T__						15131621	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
 2018/11/09 20:03:13.77 1.34 0.96 48.0193 22.4491 7.8 5.3 58 3.6F 13.7 11 7 117 0.13 1.24 m ke BUD 15131645 iLoc 181

Magnitude Err Nsta Author OrigID

M 2.1 5 BUD 15131645

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TRPA	0.13	28.5	Pg	20:03:16.204	-0.3					T__						15131647	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRSU	0.35	77.3	Pg	20:03:21.303	0.6					T__						15131648	FDSN	UA	--	BUD	iLoc	MHZ	???	_
MUKU	0.46	20.0	Pg	20:03:23.032	0.3					T__						15131649	FDSN	UA	--	BUD	iLoc	MHZ	???	_
HOLU	0.51	355.1	Pg	20:03:25.552	2.0					T__						15131650	FDSN	UA	--	BUD	iLoc	MHZ	???	_
BMR	0.79	115.8	Pn	20:03:30.745	-0.6					---						15131651	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BMR	0.79	115.8	Lg	20:03:41.481	-0.2					T__						15131652	FDSN	RO	--	BUD	iLoc	BHE	???	_
ABAH	0.86	289.3	Pn	20:03:31.594	-0.4					T__						15131653	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.86	289.3	Lg	20:03:43.461	-0.8					T__						15131654	FDSN	HU	--	BUD	iLoc	HHN	???	_
KOLS	0.92	352.8	Pn	20:03:32.892	-0.4					T__						15131655	FDSN	SK	--	BUD	iLoc	HHZ	???	_
KOLS	0.92	352.8	Lg	20:03:45.235	-0.7					T__						15131656	FDSN	SK	--	BUD	iLoc	HHE	???	_
DRGR	1.24	171.7	Pg	20:03:38.917	0.6					T__						15131657	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.24	171.7	Sn	20:03:56.416	0.1					T__						15131658	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
2018/11/10	22:51:06.92	1.03	0.94	45.8021	17.6727	4.1	3.4	125	12.6F	9.2	33	16	103	0.15	1.55	m	ke BUD	15131659	iLoc			140

Magnitude	Err	Nsta	Author	OrigID
M	2.1	11	BUD	15131659

Sta	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	0.15	41.2	Pg	22:51:11.313	0.4					T__						15131661	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.15	41.2	Lg	22:51:14.130	0.2					T__						15131662	FDSN	Z3	--	BUD	iLoc	HHE	???	_
A252A	0.39	161.4	Pg	22:51:15.282	0.1					T__						15131663	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.39	161.4	Lg	22:51:20.595	-0.6					T__						15131664	FDSN	Z3	--	BUD	iLoc	BHN	???	_
KOVH	0.41	46.0	Pg	22:51:15.002	-0.7					T__						15131665	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.41	46.0	Lg	22:51:20.897	-1.2					T__						15131666	FDSN	HU	--	BUD	iLoc	BHE	???	_
A264A	0.45	323.3	Pg	22:51:16.389	0.1					T__						15131667	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.45	323.3	Lg	22:51:23.278	0.1					T__						15131668	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A265A	0.63	7.8	Pg	22:51:19.810	0.1					T__						15131669	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.63	7.8	Lg	22:51:29.028	0.1					T__						15131670	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MOSL	0.67	254.0	Pg	22:51:20.170	-0.4					T__						15131671	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.67	254.0	Lg	22:51:28.330	-2.0					T__						15131672	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	0.79	58.2	Pn	22:51:22.272	-0.5					T__						15131673	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.79	58.2	Lg	22:51:32.995	-1.3					T__						15131674	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A266A	0.83	29.4	Pg	22:51:24.678	1.0					T__						15131675	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.83	29.4	Sn	22:51:36.845	0.5					T__						15131676	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A263A	0.87	343.6	Pg	22:51:25.268	0.8					T__						15131677	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.87	343.6	Sn	22:51:37.303	-0.3					T__						15131678	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KALN	0.91	291.6	Pn	22:51:24.670	-0.3					T__						15131679	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.91	291.6	Lg	22:51:36.450	-1.8					T__						15131680	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.91	317.3	Pg	22:51:26.040	0.8					T__						15131681	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.91	317.3	Sn	22:51:39.051	0.2					T__						15131682	FDSN	HU	--	BUD	iLoc	BHE	???	_
BLY	1.07	199.0	Pg	22:51:29.653	1.8					T__						15131683	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.07	199.0	Lg	22:51:43.615	1.1					T__						15131684	FDSN	MN	--	BUD	iLoc	BHE	???	_
LOBO	1.17	288.1	Pn	22:51:28.530	0.1					T__						15131685	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	1.17	288.1	Sn	22:51:44.180	-0.9					T__						15131686	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	1.18	303.7	Pg	22:51:30.587	0.5					T__						15131687	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	1.18	303.7	Lg	22:51:46.543	0.3					T__						15131688	FDSN	SL	--	BUD	iLoc	BHN	???	_

MPLH	1.37	356.2	Pg	22:51:34.662	0.8	T__										15131689	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.37	356.2	Pg	22:51:36.100	2.1	T__						0.0				15131690	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.37	356.2	Lg	22:51:52.758	0.2	T__										15131691	FDSN	HU	--	BUD	iLoc	BHE	???	_
CRES	1.55	271.7	Pg	22:51:37.638	0.7	T__										15131692	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.55	271.7	Lg	22:51:57.387	-0.4	T__										15131693	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
2018/11/11	12:43:42.05	0.80	0.57	46.1119	17.2647	5.7	4.1	123	8.0F	0.0	12		5	1.64	2.68	a	ke VIE	15111598	ISC			360
2018/11/11	12:43:41.64	1.08	0.86	45.8987	17.2685	3.8	3.2	19	12.9F	11.6	37	23	84	0.26	2.84	m	ke BUD	15131694	iLoc			128

Magnitude	Err	Nsta	Author	OrigID
mb	1.9		VIE	15111598
ml	1.6		VIE	15111598
M	2.3	11	BUD	15131694

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A264A	0.26	3.2	Pg	12:43:47.496	-0.1					T__						15131696	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A264A	0.26	3.2	Lg	12:43:51.800	-0.2					T__						15131697	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A273A	0.38	87.2	Pg	12:43:50.093	0.3					T__						15131698	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.38	87.2	Lg	12:43:55.527	-0.2					T__						15131699	FDSN	Z3	--	BUD	iLoc	HHE	???	_
KOVH	0.61	71.6	Pg	12:43:54.348	0.2					T__						15131700	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.61	71.6	Lg	12:44:04.298	1.1					T__						15131701	FDSN	HU	--	BUD	iLoc	BHE	???	_
KALN	0.61	292.6	Pg	12:43:54.070	-0.2					T__						15131702	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.61	292.6	Lg	12:44:02.310	-1.1					T__						15131703	FDSN	IR	--	ISC	iLoc	???	???	_
A252A	0.62	138.5	Pg	12:43:54.194	-0.1					T__						15131704	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.62	138.5	Lg	12:44:02.604	-0.5					T__						15131705	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A265A	0.64	34.7	Pg	12:43:54.592	-0.1					T__						15131706	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A265A	0.64	34.7	Lg	12:44:02.780	-1.3					T__						15131707	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BEHE	0.67	329.3	Pg	12:43:56.598	1.4					T__						15131708	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.67	329.3	Lg	12:44:05.549	0.6					T__						15131709	FDSN	HU	--	BUD	iLoc	BHE	???	_
A263A	0.74	2.5	Pg	12:43:57.094	0.5					T__						15131710	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.74	2.5	Lg	12:44:06.971	-0.4					T__						15131711	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOGS	0.90	308.2	Pn	12:44:01.208	2.0					T__						15131712	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.90	308.2	Lg	12:44:11.749	-0.1					T__						15131713	FDSN	SL	--	BUD	iLoc	BHN	???	_
PTJ	0.91	271.0	Lg	12:44:11.861	-0.4					T__						15131714	FDSN	CR	--	BUD	iLoc	BHN	???	_
A266A	0.93	47.5	Pn	12:44:00.255	0.7					T__						15131715	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	0.93	47.5	Lg	12:44:13.751	0.3					T__						15131716	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORH	1.01	71.2	Pn	12:44:00.062	-0.5					T__						15131717	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.01	71.2	Sn	12:44:13.716	-1.6					T__						15131718	FDSN	HU	--	BUD	iLoc	BHN	???	_
A261A	1.06	355.5	Pn	12:44:02.101	0.7					T__						15131719	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	1.06	355.5	Sn	12:44:17.455	0.6					T__						15131720	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BLY	1.11	183.2	Pg	12:44:04.492	1.1					T__						15131721	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.11	183.2	Lg	12:44:18.408	-0.1					T__						15131722	FDSN	MN	--	BUD	iLoc	BHE	???	_
CRES	1.27	267.4	Pn	12:44:04.840	0.4					T__						15131723	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.27	267.4	Lg	12:44:23.353	-0.2					T__						15131724	FDSN	SL	--	BUD	iLoc	BHE	???	_
A267A	1.34	38.3	Lg	12:44:26.797	0.4					T__						15131725	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A010A	1.43	325.5	Lg	12:44:29.050	0.2					T__						15131726	FDSN	Z3	00	BUD	iLoc	HHE	???	_
EGYH	1.52	1.6	Lg	12:44:33.055	1.0					T__						15131727	FDSN	HU	--	BUD	iLoc	HHE	???	_
SOKA	1.74	297.5	Pg	12:44:13.694	-1.1					T__		0.3	0.20			15131728	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.81	318.9	Pn	12:44:12.230	0.4					T__		0.1	0.14			15131729	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.92	340.0	Pn	12:44:12.102	-1.4					T__		0.6	0.26			15131730	FDSN	IR	--	ISC	iLoc	???	???	_

CONA	2.25	335.1	Pn	12:44:16.500	-1.6	T__	0.3	0.38	---	15131731	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.84	314.5	Pn	12:44:26.387	0.2	T__	0.4	0.14	---	15131732	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
2018/11/12	10:22:33.42	1.13	0.81	48.5853	20.7881	7.8	5.1	149	0.0S	11	7	112	0.23	1.30	m	kx	BUD	15131733	iLoc			203
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15131733

Sta	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	10:22:38.360	0.2					T__						15131735	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	243.2	Lg	10:22:41.431	-0.3					T__						15131736	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.23	243.2	Lg	10:22:41.900	0.2					T__	0.8					15131737	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.42	133.7	Lg	10:22:50.140	1.0					T__						15131738	FDSN	HU	--	BUD	iLoc	HHN	???	_
STHS	0.88	19.7	Pn	10:22:51.966	-0.6					T__						15131739	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	0.88	19.7	Lg	10:23:03.923	0.8					T__						15131740	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.90	222.2	Pn	10:22:52.956	0.4					T__						15131741	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	222.2	Lg	10:23:05.492	-0.7					T__						15131742	FDSN	GE	--	BUD	iLoc	BHE	???	_
A336A	1.24	254.2	Lg	10:23:16.270	-0.2					T__						15131743	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.25	110.6	Sn	10:23:15.649	-1.3					T__						15131744	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.30	266.7	Pn	10:22:58.909	0.8					T__						15131745	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
2018/11/12	11:02:38.25	1.65	0.54	46.1222	18.0831	10.8	7.1	62	0.0S	5	3	179	0.04	1.11	m	kx	BUD	15131746	iLoc			275
2018/11/12	11:02:37.79f	0.63	0.63	46.1254	18.0152f				0.0S	5		220	0.07	1.10	m	kx	BUD_GT	15137235	BUD			315
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Bükkösd-I Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.1	3 BUD	15131746
ML	1.8	0.1	3 BUD	15137235

Sta	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	11:02:39.694	-0.2					T__		265.2			MLv	15138839	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Pg	11:02:46.611	-0.6					T__		1.4			MLv	15138840	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	11:02:53.760	-0.7					T__						15138841	FDSN	HU	--	BUD	BUD	BHN	???	_
MPLH	1.10	342.8	Pg	11:03:00.960	1.0					T__		6.2			MLv	15138842	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	1.10	342.8	Sn	11:03:16.902	0.3					T__						15138843	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
2018/11/12	13:34:32.38	1.13	0.46	48.5642	17.4850	7.9	4.3	145	0.0S	11	6	142	0.13	1.26	m	kx	BUD	15131773	iLoc			191
(locality : Boleraz Slovakia)																						
(description : known quarry blast)																						

Magnitude Err Nsta Author OrigID
M 1.5 5 BUD 15131773

Sta	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	0.13	72.2	Pg	13:34:35.771	0.3					T__						15131775	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.24	216.0	Pg	13:34:37.602	-0.1					T__						15131776	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.24	216.0	Lg	13:34:42.206	0.5					T__						15131777	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.32	22.6	Pg	13:34:39.222	-0.0					T__						15131778	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.32	22.6	Lg	13:34:44.314	-0.1					T__						15131779	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.58	101.4	Pg	13:34:44.015	-0.1					T__						15131780	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.58	101.4	Lg	13:34:51.743	-0.9					T__						15131781	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VVHS	0.90	94.0	Pn	13:34:51.340	-0.1					T__						15131782	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VVHS	0.90	94.0	Lg	13:35:04.313	0.7					T__						15131783	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	1.26	240.2	Pg	13:34:57.094	-0.2					T__						15131784	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.26	240.2	Sn	13:35:15.197	0.0					T__						15131785	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
2018/11/13 08:40:08.46 2.26 0.85 47.9363 20.3285 19.3 5.9 149 0.0S 5 3 207 0.29 0.71 m kx BUD 15131766 iLoc 311
(description : known quarry blast)
(locality : Bélapátfalva Hungary)

Magnitude Err Nsta Author OrigID
M 1.3 2 BUD 15131766

Sta	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	0.29	266.6	Pg	08:40:15.478	0.3					T__						15131768	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.29	266.6	Lg	08:40:19.753	-0.5					T__						15131769	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.56	10.8	Pg	08:40:20.262	0.6					T__						15131770	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.56	10.8	Lg	08:40:27.641	-0.6					T__						15131771	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.71	59.1	Lg	08:40:33.901	-0.6					T__						15131772	FDSN	HU	--	BUD	iLoc	HHN	???	_

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2018/11/13 09:32:23.40 0.28 0.55 48.5234 17.4457 2.8 1.9 160 0.0F 0.0 13 4 1.13 1.21 a sx VIE 15111624 ISC 360
2018/11/13 09:32:22.43 1.13 0.65 48.4864 17.5127 4.4 3.8 149 0.0S 19 12 83 0.16 1.29 m kx BUD 15131786 iLoc 132
(description : known quarry blast)
(locality : Bukova Slovakia)

Magnitude Err Nsta Author OrigID
mb 1.6 VIE 15111624
ml 1.9 VIE 15111624
M 1.8 7 BUD 15131786

Sta	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	0.16	42.3	Pg	09:32:26.004	-0.0					T__						15131788	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.19	234.2	Pg	09:32:26.194	-0.7					T__						15131789	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.19	234.2	Lg	09:32:29.832	-0.5					T__						15131790	FDSN	SK	--	BUD	iLoc	HHE	???	_
A337A	0.30	142.6	Lg	09:32:34.354	0.7					T__						15131791	FDSN	Z3	00	BUD	iLoc	HHE	???	_

A333A	0.36	310.4	Lg	09:32:34.960	-0.2	T__	---	15131792	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	0.39	15.6	Pg	09:32:29.768	-0.8	T__	---	15131793	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.39	15.6	Lg	09:32:36.145	-0.5	T__	---	15131794	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.55	93.8	Pg	09:32:33.913	0.4	T__	---	15131795	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.55	93.8	Lg	09:32:41.491	-0.2	T__	---	15131796	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A001A	0.66	292.0	Pg	09:32:35.699	0.3	T__	---	15131797	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.66	292.0	Lg	09:32:46.899	1.8	T__	---	15131798	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KRUC	0.94	308.3	Pg	09:32:40.092	-0.1	T__	---	15131799	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.94	308.3	Lg	09:32:53.207	-0.3	T__	---	15131800	FDSN	CZ	--	BUD	iLoc	BHE	???	_
VRAC	1.02	323.9	Pg	09:32:41.984	0.4	T__	---	15131801	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
RONA	1.13	226.5	Pg	09:32:45.339	0.3	T__	---	15131802	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.13	226.5	Lg	09:33:01.349	-0.1	T__	1.6 0.12	15131803	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.24	243.8	Pn	09:32:46.174	-0.2	T__	4.5 0.26	15131804	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.24	243.8	Lg	09:33:04.431	-0.3	T__	---	15131805	FDSN	OE	--	BUD	iLoc	BHE	???	_
MORC	1.29	0.9	Lg	09:33:04.953	0.6	T__	---	15131806	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
2018/11/13	09:42:24.62	0.38	0.38	46.6630	22.1674	3.4	1.2	141	5.0A		13	209		0.39	2.35	a	ke BUC	15111634	ISC			360
2018/11/13	09:42:22.56	1.70	1.03	46.7153	22.0914	12.7	4.1	140	4.3F	9.3	25	8	221	0.43	2.42	m	ke BUD	15131807	iLoc			239

Magnitude	Err	Nsta	Author	OrigID
m1	1.4		BUC	15111634
M	1.7	3	BUD	15131807

Sta	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	0.43	79.6	Pg	09:42:32.557	1.1					T__	---					15131809	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.43	79.6	Pg	09:42:32.557	1.1					T__	---					15131810	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.43	79.6	Lg	09:42:37.610	-1.1					T__	---					15131811	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.43	79.6	Pg	09:42:32.211	0.8					T__	---					15131812	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.43	79.6	Lg	09:42:37.402	-1.3					T__	---					15131813	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.54	213.8	x	09:42:35.048	-99.0					---	---					15131814	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.54	213.8	x	09:42:35.048	-99.0					---	---					15131815	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.54	213.8	Lg	09:42:42.206	0.2					T__	---					15131816	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.54	213.5	Lg	09:42:40.823	-1.2					T__	---					15131817	FDSN	RO	--	BUD	iLoc	BHN	???	_
MARR	0.71	92.8	Pg	09:42:37.219	0.5					T__	---					15131818	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.71	92.8	Pg	09:42:37.219	0.5					T__	---					15131819	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.71	92.8	Lg	09:42:46.171	-2.0					T__	---					15131820	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.96	178.6	Pn	09:42:41.661	0.2					T__	---					15131822	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.96	178.6	Pn	09:42:41.661	0.2					T__	---					15131821	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.96	178.6	Sn	09:42:55.134	-1.2					T__	---					15131823	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	1.04	89.6	Lg	09:42:59.692	0.7					T__	---					15131824	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.14	196.1	Pg	09:42:45.607	0.8					T__	---					15131825	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.14	196.1	Sn	09:43:00.670	-0.2					T__	---					15131826	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.15	196.9	Sn	09:43:00.988	-0.1					T__	---					15131827	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.41	159.9	Pg	09:42:50.531	1.1					T__	---					15131828	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.41	159.9	Pg	09:42:50.754	1.3					T__	---					15131829	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.41	159.9	Pg	09:42:50.754	1.3					T__	---					15131830	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.41	159.9	Sn	09:43:08.445	0.4					T__	---					15131831	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.41	159.9	Sn	09:43:08.655	0.6					T__	---					15131832	FDSN	IR	--	ISC	iLoc	???	???	_
ARCR	1.59	75.7	Lg	09:43:16.078	-1.3					T__	---					15131833	FDSN	RO	--	BUD	iLoc	BHE	???	_
VOIR	2.42	120.8	Sn	09:43:34.852	0.5					T__	---					15131834	FDSN	IR	--	ISC	iLoc	???	???	_

VOIR 2.42 120.8 Sn 09:43:34.852 0.5 T__ --- 15131835 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
2018/11/13	18:47:32.40	1.76	0.90	45.6486	16.2626	14.3	5.4	30	12.5F	0.5	14	9	212	0.26	1.76	m	ke BUD	15131836	iLoc			242

Magnitude	Err	Nsta	Author	OrigID
M	2.0	7	BUD	15131836

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
ZAG	0.26	312.8	Pg	18:47:38.648	0.5					T__						15131838	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.26	312.8	Lg	18:47:42.516	-0.0					T__						15131839	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.33	321.6	Pg	18:47:39.310	-0.1					T__						15131840	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.33	321.6	Lg	18:47:43.534	-1.1					T__						15131841	FDSN	CR	--	BUD	iLoc	BHE	???	_
KOGS	0.80	359.4	Pg	18:47:49.844	1.6					T__						15131842	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.80	359.4	Sn	18:48:01.345	-0.4					T__						15131843	FDSN	SL	--	BUD	iLoc	BHE	???	_
BEHE	0.90	23.3	Sn	18:48:05.315	1.0					T__						15131844	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A252A	1.13	100.3	Pg	18:47:55.909	0.8					T__						15131845	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.13	100.3	Sn	18:48:09.088	-0.9					T__						15131846	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A021A	1.15	344.8	Pg	18:47:55.216	0.6					T__						15131847	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	1.15	344.8	Sn	18:48:09.781	0.1					T__						15131848	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KOVH	1.36	70.4	Pg	18:47:59.259	-0.1					T__						15131849	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A260A	1.66	10.5	Pg	18:48:03.950	-0.9					T__						15131850	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.76	70.3	Lg	18:48:29.946	-0.4					T__						15131851	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
2018/11/14	09:33:20.41	0.20	0.41	46.0509	22.8676	1.4	1.4	75	4.1F	2.1	20	95	0.17	1.64	a	ke BUC	15111673		ISC			360
2018/11/14	09:33:19.88	1.10	0.89	46.0564	22.9046	3.6	3.4	70	8.9F	7.4	38	11	98	0.17	1.62	m	ke BUD	15131852	iLoc			121

Magnitude	Err	Nsta	Author	OrigID
m1	1.4		BUC	15111673
M	1.8	6	BUD	15131852

Sta	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	181.6	Pg	09:33:23.557	0.1					T__						15131854	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.17	181.6	Lg	09:33:26.509	0.3					T__						15131855	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SURR	0.62	241.2	Pg	09:33:31.885	-0.2					T__						15131856	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.62	241.2	Pg	09:33:31.885	-0.2					T__						15131857	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.62	241.2	Lg	09:33:39.605	-1.7					T__						15131858	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	13.4	Pg	09:33:33.419	0.7					T__						15131859	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	13.4	Pg	09:33:33.419	0.7					T__						15131860	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.64	13.4	Lg	09:33:41.189	-1.9					T__						15131861	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	187.7	Pg	09:33:32.824	-0.1					T__						15131862	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.67	187.7	Pg	09:33:33.207	0.3					T__						15131863	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	187.7	Pg	09:33:33.207	0.3					T__						15131864	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	187.7	Lg	09:33:42.018	-0.7					T__		0.1				15131865	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	187.7	Lg	09:33:43.205	0.5					T__		0.1				15131866	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.75	349.8	Pn	09:33:37.302	1.4					T__						15131867	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.75	349.8	Sn	09:33:48.595	-0.1					T__						15131868	FDSN	RO	--	BUD	iLoc	BHN	???	_

LOT	0.86	134.8	Pn	09:33:37.661	0.3	T__	---	15131869	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.86	134.8	Pn	09:33:37.661	0.3	T__	---	15131870	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.86	134.8	Lg	09:33:49.509	0.5	T__	---	15131871	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	0.86	134.9	Pn	09:33:37.450	-0.0	T__	---	15131872	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.89	284.1	Pg	09:33:39.384	1.7	T__	---	15131873	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.89	284.1	Lg	09:33:50.737	-0.3	T__	---	15131874	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.89	284.2	Pn	09:33:37.051	-0.6	T__	---	15131875	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.89	284.2	Pn	09:33:37.051	-0.6	T__	---	15131876	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.89	284.2	Lg	09:33:49.346	-1.8	T__	---	15131877	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.99	244.1	Pg	09:33:40.152	1.0	T__	---	15131878	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.99	244.1	Lg	09:33:53.073	-0.2	T__	---	15131879	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.00	244.4	Pg	09:33:39.278	-0.2	T__	---	15131880	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.00	244.4	Pg	09:33:39.278	-0.2	T__	---	15131881	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.00	244.4	Lg	09:33:52.775	-1.0	T__	---	15131882	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	196.5	Pg	09:33:43.488	0.2	T__	---	15131883	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	196.5	Pg	09:33:43.488	0.2	T__	---	15131884	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	196.5	Lg	09:34:00.140	-0.1	T__	---	15131885	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.53	213.8	Pn	09:33:47.936	1.2	T__	---	15131886	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.53	213.8	Pn	09:33:47.936	1.2	T__	---	15131887	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.53	213.8	Lg	09:34:09.112	-1.5	T__	---	15131888	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.62	111.6	Pg	09:33:50.751	-0.4	T__	---	15131889	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.62	111.6	Pg	09:33:50.751	-0.4	T__	---	15131890	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.62	111.6	Lg	09:34:12.804	-1.3	T__	---	15131891	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
2018/11/14	09:40:29.72	1.31	1.00	47.3399	18.4250	10.1	5.7	137	0.0S		11	9	113	0.11	1.19	m	kx BUD	15131892	iLoc			195
(description : known 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	281.9	Pg	09:40:32.577	-0.1					T__						15131894	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.11	281.9	Lg	09:40:34.002	-1.1					T__						15131895	FDSN	HU	--	BUD	iLoc	HHZ	???	_
A269A	0.30	354.5	Lg	09:40:41.516	0.4					T__						15131896	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.35	285.2	Lg	09:40:42.287	-0.7					T__						15131897	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.63	254.6	Lg	09:40:51.406	-0.8					T__						15131898	FDSN	HU	--	BUD	iLoc	BHE	???	_
A336A	0.97	23.2	Pn	09:40:50.328	0.8					T__						15131899	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.97	23.2	Lg	09:41:02.023	-1.8					T__						15131900	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A337A	1.00	334.9	Pn	09:40:51.246	1.3					T__						15131901	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MORH	1.13	172.3	Sn	09:41:09.116	-0.0					T__						15131902	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.15	59.2	Sn	09:41:09.676	-0.3					T__						15131903	FDSN	GE	--	BUD	iLoc	BHN	???	_
VYHS	1.19	13.3	Sn	09:41:10.032	-0.4					T__						15131904	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	
2018/11/14	10:18:45.32	1.05	1.24	48.8550	20.4917	5.8	3.7	83	0.0S		17	8	97	0.37	1.44	m	kx BUD	15131905	iLoc				149
(description : known quarry blast)																							
(locality : Gretla Slovakia)																							

Magnitude Err Nsta Author OrigID
M 2.1 6 BUD 15131905

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KECS	0.37	180.6	Pg	10:18:53.470	0.6					T__						15131907	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.37	180.6	Lg	10:18:58.620	0.1					T__						15131908	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	0.58	348.3	Pg	10:18:58.446	2.3					T__						15131909	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.58	348.3	Lg	10:19:04.823	0.2					T__						15131910	FDSN	PL	--	BUD	iLoc	BHE	???	_
ABAH	0.75	138.1	Pg	10:19:00.015	-0.1					T__						15131911	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.75	138.1	Lg	10:19:13.823	1.4					T__						15131912	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	1.02	203.2	Pg	10:19:06.829	0.2					T__						15131913	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.02	203.2	Lg	10:19:20.740	-0.9					T__						15131914	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.16	252.4	Pg	10:19:10.030	1.7					T__						15131915	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.16	252.4	Lg	10:19:23.196	-1.9					T__						15131916	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.17	238.5	Pg	10:19:10.638	1.9					T__						15131917	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.17	238.5	Lg	10:19:24.950	-0.6					T__						15131918	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KOLS	1.18	85.5	Pn	10:19:08.500	-0.2					T__						15131919	FDSN	SK	--	BUD	iLoc	HHZ	???	_
OJC	1.44	342.0	Pg	10:19:13.780	-0.0					T__						15131920	FDSN	IR	--	ISC	iLoc	???	???	_
OJC	1.44	342.0	Pg	10:19:13.900	0.1					T__						15131921	FDSN	PL	--	BUD	iLoc	BHZ	???	_
OJC	1.44	342.0	Sn	10:19:32.749	-1.2					T__						15131922	FDSN	PL	--	BUD	iLoc	BHN	???	_
OJC	1.44	342.0	Lg	10:19:32.850	-1.2					T__						15131923	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
2018/11/14 10:34:48.81 1.20 0.93 48.5366 20.7482 9.6 4.8 11 0.0S 12 7 143 0.18 1.27 m kx BUD 15131924 iLoc 240
(locality : Dvorniky-Vcelare Slovakia)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.6 6 BUD 15131924

Sta	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	253.1	Pg	10:34:52.658	-0.0					T__						15131926	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.18	253.1	Lg	10:34:56.056	0.4					T__						15131927	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.18	253.1	Lg	10:34:56.800	1.1					T__		2.6				15131928	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.41	126.1	Pg	10:34:57.519	0.4					T__						15131929	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	126.1	Lg	10:35:02.906	-1.2					T__						15131930	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.84	223.0	Lg	10:35:18.578	-1.1					T__						15131931	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.93	342.2	Pn	10:35:09.565	1.1					T__						15131932	FDSN	PL	--	BUD	iLoc	BHZ	???	_
LANS	1.05	306.5	Pg	10:35:08.382	-0.9					T__						15131933	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.20	256.1	Pg	10:35:13.191	0.3					T__						15131934	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.20	256.1	Lg	10:35:30.205	-0.4					T__						15131935	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.27	268.8	Pg	10:35:13.538	-0.6					T__						15131936	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	268.8	Sn	10:35:31.294	-0.9					T__						15131937	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
2018/11/14 10:47:25.34 1.56 0.49 47.2099 18.3300 11.1 6.4 84 0.0S 6 4 184 0.16 1.13 m kx BUD 15131938 iLoc 261
2018/11/14 10:47:25.63f 0.80 47.2302 18.2835f 0.0S 6 172 0.13 1.15 m kx BUD_GT 15136191 BUD 262

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

Magnitude Err Nsta Author OrigID
 M 1.8 2 BUD 15136191

Sta	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	10:47:29.613	0.7					T__						15138844	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:47:31.597	-0.1					T__						15138845	FDSN	HU	--	BUD	BUD	HHZ	???	_
MPLH	0.51	263.5	Pg	10:47:36.534	0.3					T__						15138846	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:47:45.185	0.9					T__						15138847	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	1.04	166.1	Lg	10:48:00.910	-1.3					T__						15138848	FDSN	HU	--	BUD	BUD	BHE	???	_
KOVH	1.15	186.4	Sn	10:48:04.829	-0.9					T__						15138849	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
2018/11/15	09:43:30.39	1.66	0.72	45.8515	18.3952	11.4	5.5	118	0.0S		6	3	197	0.31	0.57	m	kx BUD	15131946				293
2018/11/15	09:43:30.39f		0.52	45.8525	18.3977f				0.0S		6		197	0.31	0.57	m	kx BUD_GT	15137238	BUD			293

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

Magnitude Err Nsta Author OrigID
 ML 0.9 0.5 3 BUD 15131946
 ML 0.9 0.5 3 BUD 15137238

Sta	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	09:43:37.568	0.3					T__		5.2			MLv	15138850	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.31	318.7	Lg	09:43:42.505	-0.2					T__						15138851	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.40	25.2	Pg	09:43:39.400	0.5					T__		1.3			MLv	15138852	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.40	25.2	Lg	09:43:44.947	-0.6					T__						15138853	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.57	222.9	Pg	09:43:42.509	0.5					T__		5.3			MLv	15138854	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.57	222.9	Lg	09:43:50.105	-0.8					T__						15138855	FDSN	Z3	--	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
2018/11/15	09:55:52.56	0.22	0.30	46.2922	21.8631	1.9	1.1	128	8.9F	2.3	13		150	0.14	1.51	a	ke BUC	15111741				360
2018/11/15	09:55:51.43	1.09	0.88	46.3266	21.8548	6.6	3.6	132	0.0S		22	7	166	0.15	1.55	m	kx BUD	15131967	iLoc			219

(description : known quarry blast)
 (locality : Tarnova Romania)

Magnitude Err Nsta Author OrigID
 ml 1.2 BUC 15111741
 M 1.5 4 BUD 15131967

Sta	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	245.3	Pg	09:55:55.555	0.5					T__						15131969	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.15	245.3	Lg	09:55:58.049	0.2					T__						15131970	FDSN	RO	--	BUD	iLoc	BHN	???	_
SURR	0.60	161.7	Pg	09:56:03.983	0.8					T__						15131971	FDSN	IR	--	ISC	iLoc	???	???	_

SURR	0.60	161.7	Pg	09:56:03.983	0.8	T__	---	15131972	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.60	161.7	Lg	09:56:11.049	-0.9	T__	---	15131973	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.72	192.0	Pg	09:56:06.137	0.4	T__	---	15131974	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.72	192.0	Lg	09:56:15.728	-0.5	T__	---	15131975	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.73	193.2	Lg	09:56:15.613	-0.8	T__	---	15131976	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	51.5	Pg	09:56:07.851	1.2	T__	---	15131977	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	51.5	Pg	09:56:07.851	1.2	T__	---	15131978	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	51.5	Lg	09:56:18.050	-1.0	T__	---	15131979	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.75	51.5	Pn	09:56:08.232	-0.3	T__	---	15131980	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.75	51.5	Lg	09:56:18.222	-0.8	T__	---	15131981	FDSN	RO	--	BUD	iLoc	BHE	???	_
MARR	0.94	67.7	Pg	09:56:10.685	0.5	T__	---	15131982	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.94	67.7	Pg	09:56:10.685	0.5	T__	---	15131983	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.94	67.7	Lg	09:56:24.063	-1.2	T__	---	15131984	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.13	145.1	Pn	09:56:14.305	0.7	T__	---	15131986	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.13	145.1	Pn	09:56:14.305	0.7	T__	---	15131985	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.13	145.1	Pn	09:56:14.661	1.0	T__	---	15131987	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.13	145.1	Lg	09:56:29.303	-0.0	T__	---	15131988	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.55	183.7	Sn	09:56:40.517	-1.2	T__	---	15131989	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.55	183.7	Sn	09:56:40.517	-1.2	T__	---	15131990	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
 2018/11/15 10:20:04.02 1.47 0.53 48.5641 20.7548 8.3 6.8 38 0.0S 10 5 184 0.20 1.28 m kx BUD 15131991 iLoc 276
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 5 BUD 15131991

Sta	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	10:20:08.202	0.1					T__						15131993	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	245.8	Lg	10:20:11.855	0.5					T__						15131994	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	245.8	Lg	10:20:12.200	0.8					T__		0.7				15131995	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.42	129.5	Pg	10:20:12.555	-0.1					T__						15131996	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.87	222.0	Pg	10:20:21.664	-0.6					T__						15131997	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.0	Lg	10:20:35.331	-0.4					T__						15131998	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.03	305.1	Pg	10:20:23.965	-0.3					T__						15131999	FDSN	SK	--	BUD	iLoc	EZH	???	_
LANS	1.03	305.1	Lg	10:20:39.426	0.0					T__						15132000	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	1.28	267.6	Pn	10:20:28.729	0.4					T__						15132001	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	267.6	Sn	10:20:46.992	-0.5					T__						15132002	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
 2018/11/15 11:09:36.82 1.98 1.11 45.9565 17.9832 23.2 8.0 117 10.0A 5 3 201 0.15 0.53 m ke BUD 15134851 iLoc 331

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.15	31.6	Pg	11:09:41.154	0.5					T__						15134853	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.15	31.6	Lg	11:09:42.783	-0.9					T__						15134854	FDSN	HU	--	BUD	iLoc	BHZ	???	_

MORH	0.53	60.4	Pg	11:09:48.279	0.7	T__	---	15134855	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.53	60.4	Lg	11:09:54.793	-0.8	T__	---	15134856	FDSN	HU	--	BUD	iLoc	BHN	???	_
A252A	0.53	190.3	Lg	11:09:55.104	-0.6	T__	---	15134857	FDSN	Z3	--	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
2018/11/16	08:40:54.73	1.02	1.14	48.6465	18.5911	6.0	3.9	71	0.0S	17	11	73	0.18	1.37	m	sx	BUD	15132010	iLoc			110
(description : suspected quarry blast)																						
(locality : Podhradie Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15132010

Sta	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	332.1	Pg	08:40:57.007	-1.4					T__						15132012	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.18	332.1	Lg	08:41:00.087	-1.1					T__						15132013	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A335A	0.26	220.4	Pg	08:41:00.017	-0.2					T__						15132014	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.26	220.4	Lg	08:41:05.068	0.8					T__						15132015	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.49	146.5	Pg	08:41:05.623	0.9					T__						15132016	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.49	146.5	Lg	08:41:11.561	-0.5					T__						15132017	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A331A	0.56	334.3	Pg	08:41:08.503	2.8					T__						15132018	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	0.56	334.3	Lg	08:41:14.686	0.8					T__						15132019	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.65	289.6	Pg	08:41:07.602	-0.2					T__						15132020	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.65	289.6	Lg	08:41:17.271	-0.2					T__						15132021	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MODS	0.92	253.1	Lg	08:41:27.144	0.6					T__						15132022	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	1.14	129.4	Sn	08:41:33.353	-1.3					T__						15132023	FDSN	GE	--	BUD	iLoc	BHN	???	_
OKC	1.23	346.5	Lg	08:41:35.083	0.5					T__						15132024	FDSN	CZ	--	BUD	iLoc	BHN	???	_
KECS	1.27	96.7	Sn	08:41:36.813	-0.9					T__						15132025	FDSN	SK	--	BUD	iLoc	EHN	???	_
MORC	1.32	329.1	Pn	08:41:20.121	0.5					T__						15132026	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.32	329.1	Lg	08:41:36.813	-0.8					T__						15132027	FDSN	CZ	--	BUD	iLoc	BHN	???	_
NIE	1.37	55.1	Sn	08:41:40.020	-0.9					T__						15132028	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
2018/11/16	10:58:02.33	1.28	0.85	47.2252	18.3260	6.4	4.8	84	0.0S	11	8	111	0.15	1.69	m	kx	BUD	15132029	iLoc			208
2018/11/16	10:58:02.56f	0.81	0.81	47.2302	18.2835f				0.0S	11		108	0.13	1.68	m	kx	BUD_GT	15136202	BUD			206
(GT info : GT2 explosion)																						
(locality : Iszkaszentgyörgy Hungary)																						
(description : known quarry blast)																						

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	10:58:05.646	-0.2					T__						15138856	FDSN	HU	--	BUD	BUD	HHZ	???	_
CSKK	0.13	353.4	Lg	10:58:08.190	-0.4					T__						15138857	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	10:58:14.322	-0.4					T__						15138858	FDSN	Z3	00	BUD	BUD	HHE	???	_
A269A	0.41	9.3	Lg	10:58:17.506	-0.4					T__						15138859	FDSN	Z3	00	BUD	BUD	HHE	???	_
MPLH	0.51	263.5	Pg	10:58:13.483	0.3					T__						15138860	FDSN	HU	--	BUD	BUD	BHZ	???	_
MPLH	0.51	263.5	Lg	10:58:21.931	0.8					T__						15138861	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Pg	10:58:23.610	0.2					T__						15138862	FDSN	HU	--	BUD	BUD	BHZ	???	_

MORH	1.04	166.1	Lg	10:58:37.045	-2.1	T__	---	15138863	FDSN	HU	--	BUD	BUD	BHN	???	-
PSZ	1.29	57.1	Sn	10:58:46.409	0.1	T__	---	15138864	FDSN	GE	--	BUD	BUD	BHN	???	-
VYHS	1.32	16.2	Lg	10:58:47.376	-0.5	T__	---	15138865	FDSN	SK	--	BUD	BUD	HHN	???	-
JAVC	1.68	346.1	Sn	10:58:56.791	1.2	T__	---	15138866	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
2018/11/17	10:48:06.23	1.78	0.25	48.0667	19.6900	35.8	4.9	38	0.0S	6	3	189	0.20	0.71	m	kx	BUD	15132051	iLoc			342
2018/11/17	10:48:06.29f		0.23	48.0061	19.6278f				0.0S	6		182	0.20	0.72	m	kx	BUD_GT	15137244	BUD			345

(GT info : GT2 explosion)
(description : known 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
PSZ	0.20	116.0	Pg	10:48:11.208	0.1					T__						15138867	FDSN	GE	--	BUD	BUD	BHZ	???	-
PSZ	0.20	116.0	Lg	10:48:14.618	-0.2					T__						15138868	FDSN	GE	--	BUD	BUD	BHN	???	-
A336A	0.48	298.6	Pg	10:48:16.370	0.3					T__						15138869	FDSN	Z3	00	BUD	BUD	HHZ	???	-
A336A	0.48	298.6	Lg	10:48:23.501	0.2					T__						15138870	FDSN	Z3	00	BUD	BUD	HH2	???	-
VYHS	0.72	313.0	Pg	10:48:20.470	-0.3					T__						15138871	FDSN	SK	--	BUD	BUD	HHZ	???	-
VYHS	0.72	313.0	Lg	10:48:31.462	-0.1					T__						15138872	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	
2018/11/19	01:33:43.13	0.28	0.36	45.9915	21.4473	2.6	1.3	100	14.9F	1.4	16		176	0.30	1.34	a	ke	BUC	15111777	ISC			360
2018/11/19	01:33:42.76	1.21	0.70	46.0085	21.4328	7.6	3.6	104	7.8F	8.6	29	9	183	0.30	1.35	m	ke	BUD	15132059	iLoc			221

Magnitude Err Nsta Author OrigID
ml 1.4 BUC 15111777
M 1.4 4 BUD 15132059

Sta	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	31.8	Pg	01:33:49.324	0.0					T__						15132061	FDSN	RO	--	BUD	iLoc	BHZ	???	-
SIRR	0.30	31.8	Lg	01:33:53.429	-0.9					T__						15132062	FDSN	RO	--	BUD	iLoc	BHE	???	-
SIRR	0.30	31.3	Pg	01:33:49.496	0.2					T__						15132063	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	0.30	31.3	Pg	01:33:49.496	0.2					T__		0.1				15132064	FDSN	IR	--	ISC	iLoc	???	???	-
SIRR	0.30	31.3	Lg	01:33:53.788	-0.5					T__		0.1				15132065	FDSN	IR	--	ISC	iLoc	???	???	-
TIM	0.31	208.7	Pg	01:33:49.641	0.5					T__						15132066	FDSN	IR	--	ISC	iLoc	???	???	-
TIM	0.31	208.7	Pg	01:33:49.641	0.5					T__		0.1				15132067	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	0.41	161.8	Lg	01:33:57.036	-0.2					T__						15132068	FDSN	IR	--	ISC	iLoc	???	???	-
BZS	0.42	159.5	Pg	01:33:51.140	0.0					T__						15132069	FDSN	RO	--	BUD	iLoc	BHZ	???	-
BZS	0.42	159.5	Lg	01:33:56.657	-0.7					T__						15132070	FDSN	RO	--	BUD	iLoc	BHE	???	-
SURR	0.55	117.5	Pg	01:33:54.050	0.5					T__						15132071	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	0.55	117.5	Pg	01:33:54.050	0.5					T__						15132072	FDSN	IR	--	ISC	iLoc	???	???	-
SURR	0.55	117.5	Lg	01:34:01.278	-0.2					T__						15132073	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.12	122.7	Pn	01:34:04.211	0.5					T__						15132074	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.12	122.7	Pn	01:34:04.211	0.5					T__						15132075	FDSN	IR	--	ISC	iLoc	???	???	-
GZR	1.12	122.7	Pg	01:34:05.194	0.8					T__						15132076	FDSN	RO	--	BUD	iLoc	BHZ	???	-
GZR	1.12	122.7	Sn	01:34:18.868	-1.4					T__						15132077	FDSN	RO	--	BUD	iLoc	BHE	???	-

GZR	1.12	122.7	Sn	01:34:19.182	-1.1	T__	---	15132078	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.18	48.0	Sn	01:34:21.590	-0.6	T__	---	15132079	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.18	48.0	Pn	01:34:05.536	0.7	T__	---	15132080	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.18	48.0	Sn	01:34:21.823	-0.3	T__	---	15132081	FDSN	RO	--	BUD	iLoc	BHE	???	_
MDVR	1.24	170.8	Pn	01:34:05.894	0.5	T__	---	15132082	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.24	170.8	Pn	01:34:05.894	0.5	T__	---	15132083	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.24	170.8	Sn	01:34:21.990	-1.3	T__	---	15132084	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	148.1	Sn	01:34:24.562	-0.5	T__	---	15132085	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.32	148.1	Sn	01:34:24.562	-0.5	T__	---	15132086	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.35	59.6	Pn	01:34:08.157	0.9	T__	---	15132087	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.35	59.6	Pn	01:34:08.157	0.9	T__	---	15132088	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.35	59.6	Sn	01:34:25.923	-0.6	T__	---	15132089	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
2018/11/19	02:18:10.80	0.30		45.4750	21.0020	0.0	0.0		10.0F	5.2	24			0.42	1.91	a	ke BEO	15111827	ISC			360
2018/11/19	02:18:09.94	1.00	1.22	45.5063	20.9448	3.8	2.6	139	10.9F	9.2	58	24	98	0.18	2.89	m	ke BUD	15132109	iLoc			148

Magnitude	Err	Nsta	Author	OrigID
ML	1.7		BEO	15111827
M	2.0	6	BUD	15132109

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
BANR	0.18	132.6	Pg	02:18:14.355	0.2					T__	---					15132111	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.18	132.3	Pg	02:18:14.123	-0.0					T__	---					15132112	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BANR	0.18	132.3	Lg	02:18:17.860	0.5					T__	---					15132113	FDSN	RO	--	BUD	iLoc	BHN	???	_
TIM	0.30	40.0	Pg	02:18:17.290	1.0					T__	---					15132114	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	0.47	144.9	Pg	02:18:19.300	-0.1					T__	---					15132115	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	0.47	144.9	Lg	02:18:25.100	-1.2					T__	---					15132116	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.48	76.6	Pg	02:18:19.800	0.1					T__	---					15132117	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.48	76.6	Lg	02:18:27.000	0.2					T__	---					15132118	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.48	76.6	Lg	02:18:27.038	0.2					T__	---					15132119	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.50	76.8	Pg	02:18:19.981	-0.0					T__	---					15132120	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.50	76.8	Lg	02:18:26.844	-0.5					T__	---					15132121	FDSN	RO	--	BUD	iLoc	BHN	???	_
SURR	0.86	72.9	Pg	02:18:26.950	0.2					T__	---					15132122	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.86	72.9	Lg	02:18:38.815	-0.2					T__	---					15132123	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.87	245.0	Pn	02:18:27.630	0.8					T__	---					15132124	FDSN	SJ	--	BUD	iLoc	HHZ	???	_
FRGS	0.87	245.0	Sn	02:18:40.570	0.2					T__	---					15132125	FDSN	SJ	--	BUD	iLoc	HHN	???	_
FRGS	0.87	246.9	Pn	02:18:27.100	0.3					T__	---					15132126	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	0.87	246.9	Lg	02:18:38.900	-0.6					T__	---					15132127	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	0.91	142.9	Pn	02:18:27.400	-0.1					T__	---					15132128	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	0.91	142.9	Pg	02:18:27.627	-0.2					T__	---					15132129	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	0.91	142.9	Lg	02:18:39.300	-1.2					T__	---					15132130	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	0.91	142.9	Sg	02:18:39.819	-0.6					T__	---					15132131	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.91	33.2	Pn	02:18:27.717	0.3					T__	---					15132132	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.91	33.2	Lg	02:18:40.097	-1.7					T__	---					15132133	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.91	33.0	Pn	02:18:27.876	0.5					T__	---					15132134	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.91	33.0	Sn	02:18:40.512	-0.8					T__	---					15132135	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	1.21	154.4	Pn	02:18:31.100	-0.6					T__	---					15132136	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	1.21	154.4	Sn	02:18:48.100	-0.5					T__	---					15132137	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	120.5	Pg	02:18:34.304	1.2					T__	---					15132138	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	120.5	Lg	02:18:49.906	0.3					T__	---					15132139	FDSN	IR	--	ISC	iLoc	???	???	_

GZR	1.29	94.4	Pg	02:18:34.127	-0.6	T__	---	15132140	FDSN	RO	--	BUD	iLoc	BHZ	???	???	---
GZR	1.29	94.4	Pg	02:18:34.992	0.3	T__	---	15132141	FDSN	IR	--	ISC	iLoc	???	???	???	---
GZR	1.29	94.4	Lg	02:18:51.951	-0.7	T__	---	15132142	FDSN	RO	--	BUD	iLoc	BHN	???	???	---
TRUS	1.34	196.8	Pg	02:18:35.300	-0.1	T__	---	15132143	FDSN	IR	--	ISC	iLoc	???	???	???	---
TRUS	1.34	196.8	Lg	02:18:52.900	-0.3	T__	---	15132144	FDSN	IR	--	ISC	iLoc	???	???	???	---
TEKS	1.39	226.9	Pg	02:18:36.800	0.5	T__	---	15132145	FDSN	IR	--	ISC	iLoc	???	???	???	---
TEKS	1.39	226.9	Lg	02:18:55.200	-0.2	T__	---	15132146	FDSN	IR	--	ISC	iLoc	???	???	???	---
DEV	1.42	73.9	Pg	02:18:36.015	-1.1	T__	---	15132147	FDSN	IR	--	ISC	iLoc	???	???	???	---
DEV	1.42	73.9	Lg	02:18:56.068	-0.9	T__	---	15132148	FDSN	IR	--	ISC	iLoc	???	???	???	---
DIVS	1.56	206.1	Pg	02:18:38.900	-0.8	T__	---	15132149	FDSN	IR	--	ISC	iLoc	???	???	???	---
DIVS	1.56	206.1	Lg	02:18:59.700	-0.9	T__	---	15132150	FDSN	IR	--	ISC	iLoc	???	???	???	---
GRUS	1.63	185.9	Pg	02:18:40.500	-0.2	T__	---	15132151	FDSN	IR	--	ISC	iLoc	???	???	???	---
GRUS	1.63	185.9	Lg	02:19:01.500	-0.4	T__	---	15132152	FDSN	IR	--	ISC	iLoc	???	???	???	---
MORH	1.76	294.6	Sn	02:19:03.187	1.5	T__	---	15132153	FDSN	HU	--	BUD	iLoc	BHE	???	???	---
MORH	1.76	294.6	Pn	02:18:40.956	1.8	T__	---	15132154	FDSN	IR	--	ISC	iLoc	???	???	???	---
MORH	1.76	294.6	Lg	02:19:05.572	-3.0	T__	---	15132155	FDSN	IR	--	ISC	iLoc	???	???	???	---
DRGR	1.78	43.1	Pn	02:18:41.400	1.4	T__	---	15132156	FDSN	IR	--	ISC	iLoc	???	???	???	---
DRGR	1.78	43.1	Sn	02:19:04.220	0.6	T__	---	15132157	FDSN	IR	--	ISC	iLoc	???	???	???	---
DRGR	1.78	43.1	Lg	02:19:06.600	-4.2	T__	---	15132158	FDSN	IR	--	ISC	iLoc	???	???	???	---
DRGR	1.78	43.1	Pn	02:18:40.993	1.0	T__	---	15132159	FDSN	RO	--	BUD	iLoc	BHZ	???	???	---
DRGR	1.78	43.1	Sn	02:19:03.533	-0.0	T__	---	15132160	FDSN	RO	--	BUD	iLoc	BHN	???	???	---
MARR	1.91	51.5	Pn	02:18:42.799	0.8	T__	---	15132161	FDSN	IR	--	ISC	iLoc	???	???	???	---
MARR	1.91	51.5	Sn	02:19:08.514	1.2	T__	---	15132162	FDSN	IR	--	ISC	iLoc	???	???	???	---
BOVS	1.95	163.5	Pg	02:18:44.647	-2.1	T__	---	15132163	FDSN	IR	--	ISC	iLoc	???	???	???	---
BOVS	1.95	163.5	Lg	02:19:10.591	-1.5	T__	---	15132164	FDSN	IR	--	ISC	iLoc	???	???	???	---
LOT	1.99	90.7	Lg	02:19:12.875	-2.3	T__	---	15132165	FDSN	RO	--	BUD	iLoc	BHN	???	???	---
CJR	2.21	55.9	Sn	02:19:15.793	1.2	T__	---	15132166	FDSN	IR	--	ISC	iLoc	???	???	???	---
BLKB	2.25	146.1	Sn	02:19:17.966	3.5	T__	---	15132167	FDSN	IR	--	ISC	iLoc	???	???	???	---
VOIR	2.89	89.9	Sn	02:19:32.955	0.9	T__	---	15132168	FDSN	IR	--	ISC	iLoc	???	???	???	---

Date 2018/11/19 09:49:30.69 Time 09:49:30.69 Err 1.22 RMS 0.78 Latitude 48.6276 Longitude 20.7951 Smaj 9.3 Smin 4.8 Az 12 Depth 0.05
 (description : known quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude 1.6 Err 7 Nsta 7 Author BUD OrigID 15132090

Sta	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	235.0	Pg	09:49:36.165	0.3					T__						15132092	FDSN	SK	--	BUD	iLoc	EHE	???	---
KECS	0.25	235.0	Lg	09:49:39.207	-0.7					T__						15132093	FDSN	SK	--	BUD	iLoc	EHN	???	---
KECS	0.25	235.0	Lg	09:49:40.600	0.7					T__		0.8				15132094	FDSN	IR	--	ISC	iLoc	???	???	---
ABAH	0.44	138.1	Pg	09:49:40.205	0.5					T__						15132095	FDSN	HU	--	BUD	iLoc	HHZ	???	---
ABAH	0.44	138.1	Lg	09:49:45.597	-1.7					T__						15132096	FDSN	HU	--	BUD	iLoc	HHN	???	---
STHS	0.84	20.3	Pn	09:49:49.800	0.6					T__		0.1				15132097	FDSN	IR	--	ISC	iLoc	???	???	---
PSZ	0.93	220.6	Pg	09:49:49.700	-0.5					T__		0.0				15132098	FDSN	IR	--	ISC	iLoc	???	???	---
PSZ	0.93	220.6	Pn	09:49:50.791	0.4					T__						15132099	FDSN	GE	--	BUD	iLoc	BHZ	???	---
PSZ	0.93	220.6	Lg	09:50:03.976	-0.7					T__						15132100	FDSN	GE	--	BUD	iLoc	BHE	???	---
LANS	1.02	301.4	Pn	09:49:51.894	0.3					T__						15132101	FDSN	SK	--	BUD	iLoc	EHZ	???	---
LANS	1.02	301.4	Sn	09:50:07.305	-0.7					T__						15132102	FDSN	SK	--	BUD	iLoc	EHN	???	---
A336A	1.26	252.4	Lg	09:50:14.616	0.4					T__						15132103	FDSN	Z3	00	BUD	iLoc	HH2	???	---

TRPA	1.26	112.5	Pn	09:49:55.819	0.7	T__	---	15132104	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.31	264.9	Pg	09:49:56.828	0.1	T__	---	15132105	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.31	264.9	Sn	09:50:14.773	-0.3	T__	---	15132106	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	1.64	264.6	Pg	09:50:02.236	-1.0	T__	---	15132107	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.64	264.6	Sn	09:50:24.123	0.8	T__	---	15132108	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
2018/11/19	09:54:25.52	0.35	0.38	48.4297	17.2631	3.4	1.7	113	0.0F	0.0	8	4		0.97	1.06	a	sx VIE	15111927	ISC			360
2018/11/19	09:54:24.42	1.00	0.71	48.3417	17.2770	4.8	4.1	23	0.0S		20	12	72	0.03	1.45	m	kx BUD	15132169	iLoc			92

(description : known quarry blast)

(locality : Rohoznik Slovakia)

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.6		VIE	15111927
m1	1.6		VIE	15111927
M	1.8	6	BUD	15132169

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.03	0.0	Pg	09:54:26.154	0.4					T__						15132171	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.03	0.0	Lg	09:54:27.931	1.0					T__						15132172	FDSN	SK	--	BUD	iLoc	HHE	???	_
A339A	0.57	153.5	Lg	09:54:45.329	0.5					T__						15132173	FDSN	Z3	00	BUD	iLoc	HHN	???	_
JAVC	0.58	26.6	Pg	09:54:35.431	-0.9					T__						15132174	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.58	26.6	Lg	09:54:44.671	-0.4					T__						15132175	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A001A	0.60	310.6	Lg	09:54:46.171	1.1					T__						15132176	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.71	81.1	Pg	09:54:38.739	-0.1					T__						15132177	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.71	81.1	Lg	09:54:50.876	1.6					T__						15132178	FDSN	Z3	00	BUD	iLoc	HHN	???	_
RONA	0.92	226.1	Pn	09:54:44.167	0.3					T__		1.5	0.14			15132179	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.92	226.1	Sn	09:54:58.171	-0.7					T__		6.9	0.34			15132180	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.93	321.3	Pg	09:54:42.074	0.1					T__						15132181	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.93	321.3	Lg	09:54:54.240	-1.0					T__						15132182	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A268A	1.01	154.2	Lg	09:54:58.653	-0.8					T__						15132183	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CONA	1.03	246.9	Pn	09:54:45.990	0.5					T__						15132184	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.03	246.9	Lg	09:55:00.156	-0.1					T__						15132185	FDSN	OE	--	BUD	iLoc	BHN	???	_
VYHS	1.05	81.1	Pn	09:54:45.505	-0.1					T__						15132186	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.05	81.1	Lg	09:55:00.860	0.0					T__						15132187	FDSN	SK	--	BUD	iLoc	HHN	???	_
VRAC	1.07	335.2	Pg	09:54:44.389	-0.1					T__						15132188	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.07	335.2	Lg	09:54:59.152	-0.2					T__						15132189	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	1.45	6.8	Lg	09:55:11.590	0.3					T__						15132190	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	
2018/11/19	10:23:43.34	1.68	0.86	48.3750	20.6379	10.3	7.5	14	0.0S		4	3	143	0.15	0.68	m	sx BUD	15132191	iLoc				270

(description : suspected quarry blast)

(locality : Meszes 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
-----	------	------	-------	------	------	------	-------	------	------	-----	-----	-----	-----	------	-----------	-------	-----	--------	----	------	-----	-----	-----	---

KECS	0.15	316.9	Pg	10:23:46.966	0.4	T__	---	15132193	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.15	316.9	Lg	10:23:48.468	-0.6	T__	---	15132194	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.41	100.9	Lg	10:23:58.493	-0.3	T__	---	15132195	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.68	227.7	Lg	10:24:08.162	-0.3	T__	---	15132196	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
 2018/11/19 10:51:12.15 1.46 0.56 48.5072 17.2611 8.7 5.2 86 0.0S 7 4 158 0.13 0.44 m sx BUD 15132197 iLoc 263
 (locality : Hostie Slovakia)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 ML 1.5 0.0 3 BUD 15132197

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L			
MODS	0.13	175.5	Pg	10:51:15.577	0.1					T__						15132199	FDSN	SK	--	BUD	iLoc	HHZ	???	_			
MODS	0.13	175.5	Lg	10:51:18.053	-0.0					T__						15132200	FDSN	SK	--	BUD	iLoc	HHE	???	_			
A333A	0.23	333.5	Pg	10:51:17.241	0.2					T__	5.3	89.6		MLv	1.9	15132201	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
A333A	0.23	333.5	Lg	10:51:20.114	-0.7					T__						15132202	FDSN	Z3	00	BUD	iLoc	HH2	???	_			
(Station ML : 1.9 1																											
A334A	0.29	70.4	Pg	10:51:17.773	-0.5					T__	2.6	23.7		MLv	1.5	15132203	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_			
(Station ML : 1.5 1																											
JAVC	0.44	37.5	Pg	10:51:21.757	0.3					T__	1.3	8.7		MLv	1.5	15132204	FDSN	CZ	--	BUD	iLoc	BHZ	BHZ	_			
JAVC	0.44	37.5	Lg	10:51:28.883	0.6					T__						15132205	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
 2018/11/19 10:59:17.50 0.99 0.74 48.2206 16.9271 5.9 3.6 64 0.0F 0.0 13 4 0.67 1.35 a sx VIE 15111937 ISC 360
 2018/11/19 10:59:18.93 1.03 1.36 48.1078 16.9334 6.8 3.3 135 0.0S 21 11 157 0.35 1.28 m sx BUD 15132219 iLoc 185
 (description : suspected quarry blast)
 (locality : Austria)

Magnitude Err Nsta Author OrigID
 mb 1.8 VIE 15111937
 ml 1.8 VIE 15111937
 M 1.9 6 BUD 15132219

Sta	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	0.35	40.7	Pg	10:59:25.113	-1.4					T__						15132221	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.35	40.7	Lg	10:59:29.448	-2.7					T__						15132222	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.59	226.6	Pg	10:59:30.913	0.0					T__		0.9	0.14			15132223	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.59	226.6	Lg	10:59:38.871	-0.9					T__		10.5	0.52			15132224	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.66	339.9	Pg	10:59:33.355	1.3					T__						15132225	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CONA	0.74	256.4	Pg	10:59:34.996	1.3					T__						15132226	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.74	256.4	Lg	10:59:43.652	-1.1					T__						15132227	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.74	256.4	Pg	10:59:32.297	-1.4					T__		0.7	0.18			15132228	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.74	256.4	Lg	10:59:43.905	-0.9					T__		6.7	0.44			15132229	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.90	32.8	Pn	10:59:38.695	0.5					T__						15132230	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.90	32.8	Lg	10:59:51.528	1.3					T__						15132231	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	1.00	69.6	Pn	10:59:41.343	2.0					T__						15132232	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A335A	1.00	69.6	Lg	10:59:52.654	-0.8	T__	---	15132233	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KRUC	1.02	339.7	Pg	10:59:39.128	0.9	T__	---	15132234	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.02	339.7	Lg	10:59:50.766	-2.0	T__	---	15132235	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A013A	1.02	268.1	Lg	10:59:52.446	-1.2	T__	---	15132236	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A012A	1.04	241.4	Lg	10:59:54.680	-0.2	T__	---	15132237	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VRAC	1.22	349.5	Lg	10:59:57.780	-1.1	T__	---	15132238	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.28	228.5	Pn	10:59:43.775	0.5	T__	---	15132239	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.28	228.5	Pg	10:59:44.461	0.6	T__	---	15132240	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.28	228.5	Sn	11:00:01.221	-0.8	T__	---	15132241	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
2018/11/19	12:43:12.54	1.12	0.79	47.7090	18.5494	4.9	3.7	134	0.0S	19	15	84	0.13	2.30	m	sx	BUD	15132242	iLoc			133
(description : suspected quarry blast)																						
(locality : Bersekbánya-II Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	4	BUD	15132242

Sta	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	238.1	Pg	12:43:15.124	-0.6					T__						15132244	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.13	238.1	Lg	12:43:18.714	0.5					T__						15132245	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SR0	0.19	303.3	Pg	12:43:16.838	0.0					T__						15132246	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SR0	0.19	303.3	Lg	12:43:20.923	0.8					T__						15132247	FDSN	SK	--	BUD	iLoc	EHE	???	_
A270A	0.34	66.5	Lg	12:43:26.655	1.1					T__						15132248	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BUD	0.39	124.9	Lg	12:43:27.461	-0.2					T__						15132249	FDSN	HU	--	BUD	iLoc	BHN	???	_
CSKK	0.40	209.6	Pg	12:43:20.437	-0.5					T__						15132250	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.40	209.6	Lg	12:43:27.136	-0.1					T__						15132251	FDSN	HU	--	BUD	iLoc	HHE	???	_
A268A	0.51	237.0	Lg	12:43:30.561	-0.3					T__						15132252	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.61	29.8	Lg	12:43:33.418	-0.5					T__						15132253	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	0.75	349.1	Lg	12:43:39.807	0.9					T__						15132254	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.81	13.6	Pn	12:43:29.737	-0.4					T__						15132255	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.81	13.6	Lg	12:43:41.348	0.4					T__						15132256	FDSN	SK	--	BUD	iLoc	HHN	???	_
MPLH	0.87	232.2	Lg	12:43:44.277	1.2					T__						15132257	FDSN	HU	--	BUD	iLoc	BHE	???	_
EGYH	0.88	250.9	Lg	12:43:44.224	0.9					T__						15132258	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.93	76.5	Lg	12:43:47.114	0.4					T__						15132259	FDSN	GE	--	BUD	iLoc	BHE	???	_
MODS	1.08	308.4	Lg	12:43:48.703	-1.5					T__						15132260	FDSN	SK	--	BUD	iLoc	HHE	???	_
KALN	2.13	223.0	Pg	12:43:54.800	-0.0					T__						15132261	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	2.13	223.0	Sn	12:43:56.320	-21.2					---						15132262	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	2.30	228.5	Pg	12:43:58.790	1.0					T__						15132263	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	2.30	228.5	Sn	12:44:02.750	-18.5					---						15132264	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	2.43	211.2	Pg	12:44:05.590	5.1					---						15132265	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	2.43	211.2	Sn	12:44:13.770	-10.9					---						15132266	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	
2018/11/19	22:09:50.03	0.95	0.81	47.8367	18.6552	3.7	2.8	128	3.8F	0.9	35	19	92	0.23	1.62	m	ke	BUD	15132267	iLoc			99

Magnitude	Err	Nsta	Author	OrigID
M	1.9	12	BUD	15132267

Sta	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	264.3	Pg	22:09:54.918	0.0					T__						15132269	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SR0	0.23	264.3	Lg	22:09:58.550	0.0					T__						15132270	FDSN	SK	--	BUD	iLoc	EHE	???	_
A270A	0.24	87.9	Pg	22:09:56.025	0.8					T__						15132271	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.24	87.9	Lg	22:09:59.736	0.6					T__						15132272	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A269A	0.27	223.0	Pg	22:09:55.301	-0.4					T__						15132273	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	0.27	223.0	Lg	22:09:58.928	-1.0					T__						15132274	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A338A	0.27	311.4	Pg	22:09:56.706	1.1					T__						15132275	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.27	311.4	Lg	22:10:01.037	1.3					T__						15132276	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A336A	0.46	30.0	Pg	22:10:00.046	0.7					T__						15132277	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.46	30.0	Lg	22:10:06.471	0.4					T__						15132278	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CSKK	0.54	209.6	Pg	22:10:01.104	0.1					T__						15132279	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.54	209.6	Lg	22:10:08.774	-0.4					T__						15132280	FDSN	HU	--	BUD	iLoc	HHN	???	_
A268A	0.64	230.9	Pg	22:10:02.854	0.0					T__						15132281	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.65	340.8	Pg	22:10:03.381	0.4					T__						15132282	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.65	340.8	Lg	22:10:11.405	-1.0					T__						15132283	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VYHS	0.67	10.4	Pg	22:10:03.879	0.4					T__						15132284	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.67	10.4	Lg	22:10:12.066	-1.3					T__						15132285	FDSN	SK	--	BUD	iLoc	HHN	???	_
PSZ	0.84	83.9	Pg	22:10:07.174	-0.4					T__						15132286	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.84	83.9	Lg	22:10:20.296	-0.2					T__						15132287	FDSN	GE	--	BUD	iLoc	BHN	???	_
A267A	0.90	187.6	Pn	22:10:08.899	0.7					T__						15132288	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	0.90	187.6	Lg	22:10:21.356	0.2					T__						15132289	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A332A	0.98	352.6	Pn	22:10:09.661	0.2					T__						15132290	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.98	352.6	Lg	22:10:21.880	-1.6					T__						15132291	FDSN	Z3	00	BUD	iLoc	HHE	???	_
EGYH	0.99	245.3	Pg	22:10:10.337	0.6					T__						15132292	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.99	245.3	Lg	22:10:24.000	0.0					T__						15132293	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	1.01	229.0	Pn	22:10:09.998	0.2					T__						15132294	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.01	229.0	Lg	22:10:23.711	-0.9					T__						15132295	FDSN	HU	--	BUD	iLoc	BHE	???	_
MODS	1.07	300.7	Pn	22:10:10.702	-0.1					T__						15132296	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.07	300.7	Lg	22:10:24.498	-2.1					T__						15132297	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	1.22	327.7	Lg	22:10:31.534	0.1					T__						15132298	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A261A	1.35	229.7	Sn	22:10:34.337	0.4					T__						15132299	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	1.39	61.5	Pg	22:10:16.328	-0.9					T__						15132300	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	1.39	61.5	Lg	22:10:36.241	-1.0					T__						15132301	FDSN	SK	--	BUD	iLoc	EHN	???	_
MORH	1.62	180.3	Pn	22:10:19.058	0.7					T__						15132302	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.62	180.3	Sn	22:10:39.506	-0.7					T__						15132303	FDSN	HU	--	BUD	iLoc	BHE	???	_

Date 2018/11/20 Time 07:59:59.86 Err 1.40 RMS 0.51 Latitude 47.3406 Longitude 18.3826 Smaj 11.2 Smin 9.7 Az 137 Depth 0.0S
 (locality : Gánt Hungary)
 (description : known quarry blast)

Magnitude 2.1 Err 2 Nsta 2 Author BUD OrigID 15132304

Sta	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	285.3	Pg	08:00:02.322	0.1					T__						15132306	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.09	285.3	Lg	08:00:04.103	-0.1					T__						15132307	FDSN	HU	--	BUD	iLoc	HHN	???	_
MORH	1.14	170.8	Sn	08:00:39.064	-0.3					T__						15132308	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.17	60.0	Sn	08:00:40.540	-0.2					T__						15132309	FDSN	GE	--	BUD	iLoc	BHE	???	_

VYHS	1.19	14.6	Pn	08:00:23.288	0.4					T__					15132310	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.19	14.6	Sn	08:00:40.082	-0.6					T__					15132311	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
2018/11/20	08:41:52.56	1.09	1.13	47.3080	17.6659	6.2	4.6	117	0.0S		11	7	93	0.16	1.42	m	sx	BUD	15132312	iLoc		134
(locality : Hainburg Austria)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15132312

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MPLH	0.16	212.0	Pg	08:41:56.565	0.1					T__						15132314	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.16	212.0	Lg	08:41:59.717	0.2					T__						15132315	FDSN	HU	--	BUD	iLoc	BHE	???	_
A268A	0.21	54.8	Pg	08:41:58.037	0.6					T__						15132316	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	0.21	54.8	Lg	08:42:00.898	-0.4					T__						15132317	FDSN	Z3	00	BUD	iLoc	HHN	???	_
EGYH	0.25	295.6	Pg	08:41:58.752	0.5					T__						15132318	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.25	295.6	Lg	08:42:02.423	-0.2					T__						15132319	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	1.10	346.3	Lg	08:42:28.545	-2.1					T__						15132320	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOVH	1.26	166.1	Lg	08:42:36.060	-0.2					T__						15132321	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.28	148.0	Sn	08:42:33.879	-1.9					T__						15132322	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.42	33.1	Pn	08:42:19.997	1.1					T__						15132323	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.42	33.1	Lg	08:42:40.977	-0.3					T__						15132324	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
2018/11/20	10:45:14.64	2.51	1.57	47.8662	20.0978	18.5	6.0	165	0.0S		8	5	208	0.15	1.05	m	kx	BUD	15132332	iLoc		246
(locality : Recsk Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.7	0.4	3	BUD	15132332

Sta	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	291.0	Pg	10:45:18.953	0.6					T__	31.7	150.1			MLv	1.9	15132334	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.15	291.0	Lg	10:45:21.751	0.4					T__						15132335	FDSN	GE	--	BUD	iLoc	BHN	???	_	
KECS	0.67	22.7	x	10:45:30.575	-99.0						2.6	13.4			MLv	15132336	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.67	22.7	Lg	10:45:38.261	-0.0					T__						15132337	FDSN	SK	--	BUD	iLoc	EHE	???	_	
A270A	0.73	268.7	Lg	10:45:40.063	-0.7					T__						15132338	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
A336A	0.82	296.9	Lg	10:45:40.791	-2.6					T__						15132339	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
ABAH	0.88	60.2	Lg	10:45:45.183	-1.4					T__						15132340	FDSN	HU	--	BUD	iLoc	HHE	???	_	
VYHS	1.05	307.1	Pg	10:45:36.949	1.2					T__	1.1	1.4			MLv	1.2	15132341	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	1.05	307.1	Lg	10:45:50.281	-1.0					T__						15132342	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
2018/11/20	10:53:48.28	1.37	0.85	47.8545	20.0358	10.3	5.1	166	0.0S		15	9	149	0.11	1.90	m	kx	BUD	15132352	iLoc		237
(description : known quarry blast)																						

(locality : Recsk Hungary)

Magnitude Err Nsta Author OrigID
M 2.1 7 BUD 15132352

Sta	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	303.9	Pg	10:53:51.744	0.4					T__				---	15132354	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.11	303.9	Lg	10:53:54.936	1.0					T__				---	15132355	FDSN	GE	--	BUD	iLoc	BHN	???	_	
KECS	0.70	25.4	Pg	10:54:02.932	0.7					T__				---	15132356	FDSN	SK	--	BUD	iLoc	EHE	???	_	
KECS	0.70	25.4	Lg	10:54:12.024	-0.9					T__				---	15132357	FDSN	SK	--	BUD	iLoc	EHE	???	_	
A336A	0.79	299.0	Pn	10:54:05.026	-0.6					T__				---	15132358	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A336A	0.79	299.0	Lg	10:54:15.996	-0.0					T__				---	15132359	FDSN	Z3	00	BUD	iLoc	HH2	???	_	
ABAH	0.92	60.9	Pn	10:54:07.624	-0.0					T__				---	15132360	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ABAH	0.92	60.9	Sn	10:54:22.184	-0.8					T__				---	15132361	FDSN	HU	--	BUD	iLoc	HHE	???	_	
VYHS	1.03	309.0	Pn	10:54:09.044	0.0					T__				---	15132362	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
VYHS	1.03	309.0	Lg	10:54:22.716	-1.3					T__				---	15132363	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A335A	1.28	298.1	Pg	10:54:15.122	1.2					T__				---	15132364	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A335A	1.28	298.1	Lg	10:54:32.125	-0.9					T__				---	15132365	FDSN	Z3	00	BUD	iLoc	HHN	???	_	
NIE	1.58	6.6	Lg	10:54:41.394	0.7					T__				---	15132366	FDSN	PL	--	BUD	iLoc	BHE	???	_	
JAVC	1.87	303.4	Lg	10:54:51.300	-0.9					T__				---	15132367	FDSN	IR	--	ISC	iLoc	???	???	_	
MORH	1.90	210.6	Pn	10:54:20.964	-0.1					T__				---	15132368	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
2018/11/20 12:58:22.60 2.49 0.72 48.5588 20.7679 24.5 11.1 118 0.0S 5 3 241 0.20 0.91 m kx BUD 15132369 iLoc 334
(locality : Drienovec Slovakia)
(description : known quarry blast)

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 3 BUD 15132369

Sta	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	248.2	Pg	12:58:26.148	-0.7					T__	16.7	70.2		MLv	1.7	15132371	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_		
KECS	0.20	248.2	Lg	12:58:30.738	0.6					T__				---	15132372	FDSN	SK	--	BUD	iLoc	EHN	???	_			
(Station ML : 1.7 1																										
PSZ	0.87	222.7	Pg	12:58:40.649	-0.2					T__	1.4	8.1		MLv	1.9	15132373	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_		
PSZ	0.87	222.7	Lg	12:58:54.637	0.3					T__				---	15132374	FDSN	GE	--	BUD	iLoc	BHN	???	_			
(Station ML : 1.9 1																										
NIE	0.91	341.0	Pn	12:58:42.251	0.2					T__	1.3	6.0		MLv	1.8	15132375	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
2018/11/21 10:39:55.87 2.32 1.12 47.8879 19.6819 22.6 7.8 10 0.0S 7 4 229 0.15 1.12 m kx BUD 15132389 iLoc 323
2018/11/21 10:39:56.79f 2.93 47.8285 19.9317f 0.0S 7 241 0.09 0.99 m kx BUD_GT 15136228 BUD 282
(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	10:39:59.871	0.4					T__						15138873	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.09	344.4	Lg	10:40:01.954	0.3					T__						15138874	FDSN	GE	--	BUD	BUD	BHN	???	_
A336A	0.75	303.2	Lg	10:40:15.453	-7.5					T__						15138875	FDSN	Z3	00	BUD	BUD	HH2	???	_
KECS	0.75	29.3	Pn	10:40:14.367	0.7					T__						15138876	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.75	29.3	Lg	10:40:24.222	0.9					T__						15138877	FDSN	SK	--	BUD	BUD	EHN	???	_
ABAH	0.99	61.4	Pn	10:40:18.655	1.5					T__						15138878	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.99	61.4	Sn	10:40:33.936	0.6					T__						15138879	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
2018/11/21	12:53:38.85	1.09	0.85	48.5693	20.7536	5.6	4.0	154	0.0S		14	8	91	0.20	1.28	m	kx BUD	15132398	iLoc			152
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15132398

Sta	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	244.3	Pg	12:53:43.316	0.3					T__						15132400	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	244.3	Lg	12:53:46.083	-0.2					T__						15132401	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	244.3	Lg	12:53:47.400	1.2					T__						15132402	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.42	130.0	Pg	12:53:47.922	0.4					T__						15132403	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.42	130.0	Lg	12:53:54.891	0.1					T__						15132404	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.87	221.7	Pn	12:53:58.272	0.6					T__						15132405	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	221.7	Lg	12:54:09.767	-0.9					T__						15132406	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.90	341.3	Lg	12:54:09.458	0.7					T__						15132407	FDSN	PL	--	BUD	iLoc	BHE	???	_
STHS	0.91	20.7	Pg	12:53:56.000	0.4					T__		0.1				15132408	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.91	20.7	Lg	12:54:08.700	-0.6					T__		0.1				15132409	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	1.07	69.5	Lg	12:54:15.604	-0.8					T__						15132410	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.22	254.6	Sn	12:54:18.924	-1.7					T__						15132411	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.28	267.3	Pg	12:54:04.547	0.3					T__						15132412	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.28	267.3	Lg	12:54:22.264	-0.8					T__						15132413	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
2018/11/21	23:47:58.91	1.74	0.89	48.0272	20.2644	15.9	5.5	142	10.0A		6	4	179	0.27	1.06	m	ke BUD	15132414	iLoc			229

Magnitude	Err	Nsta	Author	OrigID
MLv	1.2	0.4	2 BUD	15132414

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.27	246.5	Pg	23:48:05.648	0.4					T__	1.9	8.2				15132416	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.27	246.5	Lg	23:48:09.737	-0.3					T__						15132417	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.48	17.9	Pg	23:48:09.493	0.9					T__	2.0	8.4				15132418	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.48	17.9	Lg	23:48:15.185	-0.8					T__						15132419	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.71	67.2	Lg	23:48:23.430	-0.7					T__						15132420	FDSN	HU	--	BUD	iLoc	HHE	???	_
VYHS	1.06	296.6	Sn	23:48:33.771	-0.5					T__						15132421	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
2018/11/21	23:50:27.12	1.15	1.06	48.0304	20.2472	4.8	3.0	151	8.9F	7.3	30	18	60	0.26	2.12	m	ke BUD	15132446	iLoc			86

Magnitude	Err	Nsta	Author	OrigID
M	2.0	13	BUD	15132446

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.26	244.8	Pg	23:50:33.447	0.3					T__						15132448	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.26	244.8	Lg	23:50:37.716	-0.1					T__						15132449	FDSN	GE	--	BUD	iLoc	BHE	???	_
KECS	0.48	19.3	Pg	23:50:37.022	0.2					T__						15132450	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.48	19.3	Lg	23:50:43.203	-0.9					T__						15132451	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.72	67.8	Pg	23:50:41.582	0.4					T__						15132452	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.72	67.8	Lg	23:50:51.367	-1.4					T__						15132453	FDSN	HU	--	BUD	iLoc	HHE	???	_
A270A	0.85	257.8	Pn	23:50:44.500	0.6					T__						15132454	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.85	257.8	Lg	23:50:56.760	0.2					T__						15132455	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A336A	0.86	284.1	Pg	23:50:44.799	0.3					T__						15132456	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.86	284.1	Lg	23:50:55.150	-1.5					T__						15132457	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.05	296.7	Pn	23:50:47.298	0.4					T__						15132458	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.05	296.7	Sn	23:51:00.888	-1.5					T__						15132459	FDSN	SK	--	BUD	iLoc	HHN	???	_
LANS	1.23	335.5	Pg	23:50:50.799	-0.6					T__						15132460	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.23	335.5	Sn	23:51:06.504	-1.0					T__						15132461	FDSN	SK	--	BUD	iLoc	EHE	???	_
A338A	1.27	270.0	Lg	23:51:09.832	-0.3					T__						15132462	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A335A	1.34	288.8	Sn	23:51:10.206	0.7					T__						15132463	FDSN	Z3	00	BUD	iLoc	HHN	???	_
NIE	1.39	1.8	Pg	23:50:55.180	1.5					T__						15132464	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	1.39	1.8	Sn	23:51:11.380	-0.3					T__						15132465	FDSN	PL	--	BUD	iLoc	BHE	???	_
A332A	1.42	303.8	Sn	23:51:12.490	1.0					T__						15132466	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CSKK	1.50	244.3	Pg	23:50:55.856	-1.2					T__						15132467	FDSN	HU	--	BUD	iLoc	HHZ	???	_
STHS	1.54	25.1	Pg	23:50:55.931	-0.1					T__						15132468	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	1.54	25.1	Sn	23:51:15.949	0.5					T__						15132469	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	1.54	85.4	Pg	23:50:56.560	-0.1					T__						15132470	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.54	85.4	Lg	23:51:18.301	-2.6					T__						15132471	FDSN	HU	--	BUD	iLoc	BHN	???	_
A267A	1.62	228.5	Pg	23:50:59.040	-0.4					T__						15132472	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.62	228.5	Lg	23:51:21.657	0.1					T__						15132473	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SIRR	2.01	150.8	Pn	23:51:01.728	1.2					T__						15132474	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	2.08	125.6	Pn	23:51:03.567	1.8					T__						15132475	FDSN	RO	--	BUD	iLoc	BHZ	???	_
MORH	2.12	211.7	Pg	23:51:09.228	-0.2					T__						15132476	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	2.12	211.7	Lg	23:51:36.820	-1.5					T__						15132477	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
2018/11/21	23:49:56.42	1.52	1.47	48.0811	20.2108	11.4	5.0	141	5.0A		6	4	160	0.27	1.01	m	ke BUD	15132430	iLoc			222

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.0	1 BUD	15132430

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.27	232.7	Pg	23:50:02.751	0.3					T__	10.4	41.9				15132432	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.27	232.7	Lg	23:50:07.457	0.4					T__						15132433	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.44	24.4	Pg	23:50:06.075	0.8					T__	9.6	44.1				15132434	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
KECS	0.44	24.4	Lg	23:50:12.452	0.4					T__						15132435	FDSN	SK	--	BUD	iLoc	EHE	???	_

ABAH	0.72	72.3	Lg	23:50:20.618	-1.6	T__	---	15132436	FDSN	HU	--	BUD	iLoc	HHE	???	_
VYHS	1.01	294.7	Lg	23:50:29.531	-1.7	T__	---	15132437	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
2018/11/22	00:14:02.80	1.25	0.52	48.0368	20.2489	9.7	5.1	145	14.3F	11.8	13	7	175	0.27	1.38	m	ke	BUD	15132511	iLoc		224

Magnitude	Err	Nsta	Author	OrigID
M	1.4	5	BUD	15132511

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.27	243.7	Pg	00:14:09.297	0.0					T__						15132513	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.27	243.7	Lg	00:14:14.055	0.0					T__						15132514	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.47	19.4	Pg	00:14:12.942	0.4					T__						15132515	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.47	19.4	Lg	00:14:19.051	-0.7					T__						15132516	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.71	68.3	Pn	00:14:17.730	0.3					T__						15132517	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.71	68.3	Lg	00:14:27.624	-0.7					T__						15132518	FDSN	HU	--	BUD	iLoc	HHE	???	_
A336A	0.86	283.7	Pg	00:14:20.358	0.3					T__						15132519	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.86	283.7	Sn	00:14:31.280	-0.9					T__						15132520	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.05	296.4	Pg	00:14:23.992	0.2					T__						15132521	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.05	296.4	Sn	00:14:36.964	-0.2					T__						15132522	FDSN	SK	--	BUD	iLoc	HHZ	???	_
LANS	1.23	335.3	Pg	00:14:26.790	-0.1					T__						15132523	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.23	335.3	Sn	00:14:42.579	0.4					T__						15132524	FDSN	SK	--	BUD	iLoc	EHE	???	_
NIE	1.38	1.7	Lg	00:14:48.710	0.0					T__						15132525	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
2018/11/22	08:30:40.17	1.30	0.93	47.3629	18.4151	7.1	6.2	13	0.0S		9	6	111	0.11	1.16	m	kx	BUD	15132478	iLoc		209

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

Magnitude	Err	Nsta	Author	OrigID	
ML	1.3	0.4	3	BUD	15132478

Sta	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	270.2	Pg	08:30:42.984	0.1					T__	24.7	654.8			MLv	2.4	15132480	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.11	270.2	Lg	08:30:44.562	-0.6					T__						15132481	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 2.4 1																									
A269A	0.28	355.4	Lg	08:30:51.956	1.2					T__						15132482	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A268A	0.34	281.8	Pg	08:30:48.125	0.6					T__	1.8	6.6			MLv	1.1	15132483	FDSN	Z3	00	BUD	iLoc	HHZ	HHZ	_
A268A	0.34	281.8	Lg	08:30:53.182	0.1					T__						15132484	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
(Station ML : 1.1 1																									
A338A	0.65	356.3	Lg	08:31:01.826	-1.6					T__						15132485	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
PSZ	1.14	60.4	Lg	08:31:20.745	-0.3					T__						15132486	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
MORH	1.16	172.1	Pg	08:31:03.696	0.5					T__	1.9	1.5			MLv	1.3	15132487	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	1.16	172.1	Sn	08:31:19.727	-0.4					T__						15132488	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
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2018/11/22 10:28:30.01 1.47 1.29 46.1822 18.2763 10.3 4.7 140 0.0S 7 4 137 0.15 0.80 m kx BUD 15132502 iLoc 209
 2018/11/22 10:28:30.03f 0.98 46.1765 18.2926f 0.0S 7 132 0.16 0.80 m kx BUD_GT 15137253 BUD 204
 (description : known quarry blast)
 (locality : Komló-II Hungary)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
 M 1.4 4 BUD 15137253

Sta	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	10:28:34.455	0.6					T__						15138900	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.16	236.7	Lg	10:28:37.347	0.4					T__						15138901	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	10:28:36.306	0.8					T__						15138902	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.25	80.7	Lg	10:28:40.317	0.4					T__						15138903	FDSN	HU	--	BUD	BUD	BHN	???	_
A267A	0.78	9.6	Pg	10:28:45.646	-0.3					T__						15138904	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A252A	0.80	202.9	Pg	10:28:46.696	0.4					T__						15138905	FDSN	Z3	--	BUD	BUD	BHZ	???	_
A252A	0.80	202.9	Lg	10:28:56.330	-2.3					T__						15138906	FDSN	Z3	--	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
 2018/11/22 10:47:07.30 1.01 0.90 48.4274 19.1801 5.6 4.7 23 0.0S 18 10 73 0.23 1.73 m kx BUD 15132526 iLoc 124
 (locality : Hanisberg Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.9 7 BUD 15132526

Sta	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	0.23	212.0	Pg	10:47:13.072	1.0					T__						15132528	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.23	212.0	Lg	10:47:15.842	0.2					T__						15132529	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
VYHS	0.24	286.4	Pg	10:47:12.754	0.5					T__						15132530	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.24	286.4	Lg	10:47:15.865	-0.1					T__						15132531	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.56	272.3	Pg	10:47:18.043	-0.7					T__						15132532	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.56	272.3	Lg	10:47:26.274	-0.8					T__						15132533	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.70	136.5	Pn	10:47:23.824	0.2					T__						15132534	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.70	136.5	Lg	10:47:31.152	-2.0					T__						15132535	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	0.75	14.6	Pn	10:47:24.450	0.2					T__						15132536	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.75	14.6	Lg	10:47:33.611	0.6					T__						15132537	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.87	85.8	Pn	10:47:26.357	0.6					T__						15132538	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.87	85.8	Sn	10:47:40.178	-0.0					T__						15132539	FDSN	SK	--	BUD	iLoc	EHN	???	_
JAVC	1.09	293.9	Pn	10:47:29.772	0.7					T__						15132540	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.09	293.9	Sn	10:47:46.049	0.2					T__						15132541	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CSKK	1.23	210.5	Sn	10:47:49.201	0.2					T__						15132542	FDSN	HU	--	BUD	iLoc	HHN	???	_
MODS	1.27	268.3	Pn	10:47:32.217	0.7					T__						15132543	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	1.27	268.3	Sn	10:47:48.430	-1.6					T__						15132544	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORC	1.73	322.1	Sn	10:48:00.545	-1.2					T__						15132545	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
 2018/11/22 11:03:01.19 1.66 1.51 45.9647 17.9025 15.1 7.0 108 0.0S 7 5 164 0.18 1.23 m kx BUD 15132546 iLoc 284

2018/11/22 11:03:04.77f 0.41 46.1204 18.0243f 0.0S 6 221 0.06 1.10 m kx BUD_GT 15137247 BUD 265
 (locality : Bükkösd-I Hungary)
 (description : known quarry blast)
 (GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.06	121.4	Pg	11:03:06.869	0.2					T__						15138880	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.06	121.4	Lg	11:03:08.258	-0.1					T__						15138881	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.44	22.3	Lg	11:03:22.106	0.9					T__						15138885	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.44	77.3	Pg	11:03:14.069	0.0					T__						15138883	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.44	77.3	Lg	11:03:20.832	-0.4					T__						15138884	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.70	190.3	Lg	11:03:19.230	-10.4					---						15138882	FDSN	Z3	--	BUD	BUD	BHE	???	_
MPLH	1.10	342.5	Lg	11:03:43.242	-0.3					T__						15138886	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
2018/11/22	12:41:39.98	1.14	0.73	48.2315	21.2353	5.8	4.3	169	0.0S		13	7	155	0.06	1.21	m	kx BUD	15132555	iLoc			200
2018/11/22	12:41:40.51f		0.84	48.2470	21.2460f				0.0S		13		153	0.05	1.19	m	kx BUD_GT	15137250	BUD			198

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

Magnitude Err Nsta Author OrigID
 M 2.3 5 BUD 15137250

Sta	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	12:41:41.766	-0.3					T__						15138887	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	12:41:42.576	-0.9					T__						15138888	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Pg	12:41:51.859	0.1					T__						15138889	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	12:41:59.869	-0.4					T__						15138890	FDSN	SK	--	BUD	BUD	EHE	???	_
HOLU	0.81	69.3	Pn	12:41:57.505	-1.2					T__						15138891	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	12:42:09.923	0.1					T__						15138892	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pg	12:41:57.330	-0.2					T__						15138893	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	12:42:11.074	-1.3					T__						15138894	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pn	12:42:00.435	-0.3					T__						15138895	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	12:42:13.825	-1.9					T__						15138896	FDSN	GE	--	BUD	BUD	BHE	???	_
KOLS	0.97	44.4	Pn	12:42:00.377	-0.7					T__						15138897	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	12:42:15.458	0.8					T__						15138898	FDSN	SK	--	BUD	BUD	HHE	???	_
STZU	1.19	49.4	Pn	12:42:04.671	0.4					T__						15138899	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
2018/11/23	08:24:24.05	1.42	0.61	47.1319	18.1204	9.2	5.5	99	10.0A		7	5	135	0.25	1.04	m	ke BUD	15132589	iLoc			242

Magnitude Err Nsta Author OrigID
 ML 1.7 0.3 3 BUD 15132589

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
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CSKK	0.25	22.4	Pg	08:24:29.246	-0.3	T__	2.2	78.7	___	MLv	1.9	15132591	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
CSKK	0.25	22.4	Lg	08:24:33.887	0.1	T__			---			15132592	FDSN	HU	--	BUD	iLoc	HHN	???	_
(Station ML : 1.9 1																				
TIH	0.28	214.6	Lg	08:24:33.940	-0.8	T__			---			15132593	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	0.40	275.7	Lg	08:24:39.184	0.7	T__			---			15132594	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	0.98	158.3	Pg	08:24:43.838	0.3	T__	1.8	1.3	---	MLv	1.2	15132595	FDSN	HU	--	BUD	iLoc	BHZ	BHZ	_
MORH	0.98	158.3	Lg	08:24:57.672	0.2	T__			---			15132596	FDSN	HU	--	BUD	iLoc	BHN	???	_
(Station ML : 1.2 1																				
KOVH	1.04	180.8	Pg	08:24:44.638	-0.2	T__	1.0	3.8	---	MLv	1.7	15132597	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
2018/11/23	10:14:45.90	1.05	0.97	48.5565	20.7711	5.1	4.0	174	0.0S		17	10	93	0.20	1.29	m	kx	BUD	15132570	iLoc		119
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	7	BUD	15132570

Sta	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	249.0	Pg	10:14:50.407	0.2					T__						15132572	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	249.0	Lg	10:14:53.411	-0.1					T__						15132573	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	249.0	Lg	10:14:54.500	1.0					T__		2.2				15132574	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.41	129.7	Pg	10:14:54.930	0.7					T__						15132575	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.41	129.7	Lg	10:15:00.786	-0.5					T__						15132576	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.87	222.9	Pg	10:15:04.187	0.0					T__						15132577	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	222.9	Lg	10:15:17.160	-0.5					T__						15132578	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.91	340.9	Pn	10:15:06.906	1.5					T__						15132579	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.91	340.9	Lg	10:15:17.050	0.7					T__						15132580	FDSN	PL	--	BUD	iLoc	BHE	???	_
STHS	0.92	19.7	Lg	10:15:16.000	-0.6					T__						15132581	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.05	305.1	Pg	10:15:06.102	-0.3					T__						15132582	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.05	305.1	Lg	10:15:20.310	-1.4					T__						15132583	FDSN	SK	--	BUD	iLoc	EHN	???	_
KOLS	1.06	68.7	Lg	10:15:22.984	-0.3					T__						15132584	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	1.22	255.3	Pg	10:15:09.941	-0.5					T__						15132585	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.22	255.3	Lg	10:15:27.809	-0.6					T__						15132586	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.25	109.2	Sn	10:15:27.227	-2.2					T__						15132587	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.29	267.9	Pg	10:15:11.403	-0.2					T__						15132588	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
2018/11/23	10:30:55.15	2.70	1.43	47.2034	18.4606	20.7	8.3	77	0.0S		4	2	231	0.21	0.69	m	kx	BUD	15132611	iLoc		307
2018/11/23	10:30:57.04f		1.64	47.2302	18.2835f				0.0S		5		187	0.13	0.71	m	kx	BUD_GT	15136245	BUD		277
(GT info : GT2 explosion)																						
(description : known quarry blast)																						
(locality : Iszkaszentgyörgy Hungary)																						

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.9	0.6	2	BUD	15136245

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
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CSKK	0.13	353.4	Pg	10:31:00.562	0.2				T__	267.2	---	MLv	15138907	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	10:31:02.597	-0.5				T__		---		15138908	FDSN	HU	--	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:31:08.246	0.6				T__	4.1	---	MLv	15138909	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	10:31:17.661	2.0				T__		---		15138910	FDSN	HU	--	BUD	BUD	BHN	???	_
A266A	0.71	181.1	Lg	10:31:19.272	-3.0				T__		---		15138911	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
2018/11/23	13:02:09.23	1.14	1.00	45.5058	17.8253	7.4	5.6	131	5.3F	10.0	13	7	128	0.07	1.69	m	ke BUD	15132623	iLoc			243

Magnitude	Err	Nsta	Author	OrigID
M	2.1	6	BUD	15132623

Sta	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	0.07	167.1	Pg	13:02:11.282	0.1					T__						15132625	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.07	167.1	Lg	13:02:12.796	-0.0					T__						15132626	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A273A	0.41	359.1	Lg	13:02:22.351	-1.7					T__						15132627	FDSN	Z3	--	BUD	iLoc	HHE	???	_
KOVH	0.61	18.1	Pg	13:02:22.131	0.4					T__						15132628	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.61	18.1	Lg	13:02:30.578	-0.5					T__						15132629	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.91	38.6	Pg	13:02:27.492	0.1					T__						15132630	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.91	38.6	Sn	13:02:41.700	-0.2					T__						15132631	FDSN	HU	--	BUD	iLoc	BHE	???	_
BEHE	1.21	323.2	Pn	13:02:32.751	0.6					T__						15132632	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	1.21	323.2	Sn	13:02:49.414	-0.5					T__						15132633	FDSN	HU	--	BUD	iLoc	BHE	???	_
KOGS	1.45	311.2	Pg	13:02:39.514	2.0					T__						15132634	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	1.45	311.2	Lg	13:02:57.257	-0.4					T__						15132635	FDSN	SL	--	BUD	iLoc	BHN	???	_
CRES	1.69	281.8	Pg	13:02:41.252	-0.7					T__						15132636	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	1.69	281.8	Lg	13:03:04.459	-0.8					T__						15132637	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
2018/11/24	05:27:35.00	0.60		45.7630	16.1960	0.1	0.1		5.0F	5.1	23			1.19	5.23	a	ke BEO	15112012	ISC			360
2018/11/24	05:27:34.30		1.68	45.6600	16.1500				15.0A				2	1.28	4.61	a	ke CSEM	15112003	ISC			360
2018/11/24	05:27:34.20		0.50	45.6720	16.1400				15.0A							a	ke LJU	15112000	ISC			360
2018/11/24	05:27:35.90			45.7600	16.2700				10.0A		20					a	ke PRU	15112006	ISC			360
2018/11/24	05:27:51.93		0.74	44.4367	16.6763	4.8			10.0F	31.6						a	ke TIR	15112008	ISC			360
2018/11/24	05:27:34.40	0.94	1.47	45.6748	16.1724	2.3	1.9	29	2.3F	6.9	235	126	34	0.20	6.52	m	ke BUD	15132860	iLoc			43

Magnitude	Err	Nsta	Author	OrigID
ML	3.2		BEO	15112012
m1	2.9		CSEM	15112003
ML	2.4		LJU	15112000
Md	3.9		TIR	15112008
M1	3.0		TIR	15112008
M	3.5	42	BUD	15132860

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZAG	0.20	319.5	Pg	05:27:38.857	0.3					T__						15132862	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.20	319.5	Lg	05:27:42.343	0.6					T__						15132863	FDSN	CR	--	BUD	iLoc	BHE	???	_
ZAG	0.20	319.6	Pg	05:27:38.500	-0.0					T__		14.7				15132864	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.20	319.6	Lg	05:27:42.130	0.4					T__						15132865	FDSN	IR	--	ISC	iLoc	???	???	_

PTJ	0.27	328.4	Pg	05:27:39.200	-1.0	T__	14.0	---	15132866	FDSN	IR	--	ISC	iLoc	???	???	_	
PTJ	0.27	328.5	Pg	05:27:39.700	-0.3	T__		---	15132867	FDSN	CR	--	BUD	iLoc	BHZ	???	_	
PTJ	0.27	328.5	Lg	05:27:42.918	-1.3	T__		---	15132868	FDSN	CR	--	BUD	iLoc	BHE	???	_	
MOSL	0.41	98.3	Pg	05:27:43.330	0.4	T__		---	15132869	FDSN	IR	--	ISC	iLoc	???	???	_	
MOSL	0.41	98.3	Lg	05:27:49.280	0.0	T__		---	15132870	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.43	297.0	Pg	05:27:43.000	0.2	T__		---	15132871	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.43	297.0	Lg	05:27:48.910	-0.4	T__		---	15132872	FDSN	IR	--	ISC	iLoc	???	???	_	
GCIS	0.43	297.0	IAML	05:27:49.670	-99.0	---	178.0	0.19	---	15132873	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.49	351.5	Pg	05:27:43.870	-0.3	T__		---	15132874	FDSN	IR	--	ISC	iLoc	???	???	_	
KALN	0.50	23.3	Pg	05:27:44.240	-0.4	T__		---	15132875	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	0.50	263.4	Pg	05:27:44.140	0.1	T__		---	15132876	FDSN	IR	--	ISC	iLoc	???	???	_	
OZLJ	0.50	263.4	Lg	05:27:50.470	-1.0	T__		---	15132877	FDSN	IR	--	ISC	iLoc	???	???	_	
GOLS	0.51	311.5	Pg	05:27:44.320	-0.2	T__		---	15132878	FDSN	IR	--	ISC	iLoc	???	???	_	
GOLS	0.51	311.5	IAML	05:27:56.300	-99.0	---	185.0	0.25	---	15132879	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.52	287.1	Pg	05:27:45.216	0.6	T__		---	15132880	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
CRES	0.52	287.1	Pg	05:27:44.300	-0.3	T__	7.5	---	15132881	FDSN	IR	--	ISC	iLoc	???	???	_	
CRES	0.52	287.1	Pb	05:27:44.580	-0.0	T__		---	15132882	FDSN	IR	--	ISC	iLoc	???	???	_	
CRES	0.52	287.1	x	05:27:46.000	-99.0	---	7.5	---	15132883	FDSN	IR	--	ISC	iLoc	???	???	_	
CRES	0.52	287.1	IAML	05:27:53.650	-99.0	---	167.0	0.20	---	15132884	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.66	294.9	Pg	05:27:47.300	0.2	T__		---	15132885	FDSN	IR	--	ISC	iLoc	???	???	_	
DOBS	0.68	314.3	Pg	05:27:47.690	0.0	T__		---	15132886	FDSN	IR	--	ISC	iLoc	???	???	_	
DOBS	0.68	314.3	IAML	05:28:01.800	-99.0	---	210.0	0.21	---	15132887	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.78	4.0	Pg	05:27:49.300	-0.4	T__	39.0	---	15132888	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	0.78	4.0	Pb	05:27:49.500	-0.2	T__	39.0	---	15132889	FDSN	IR	--	ISC	iLoc	???	???	_	
KOGS	0.78	4.0	x	05:27:51.153	-99.0	---		---	15132890	FDSN	SL	--	BUD	iLoc	BHZ	???	_	
PLIT	0.89	206.2	Pg	05:27:51.360	-0.4	T__		---	15132891	FDSN	IR	--	ISC	iLoc	???	???	_	
PLIT	0.89	206.2	Lg	05:28:03.130	-1.2	T__		---	15132892	FDSN	IR	--	ISC	iLoc	???	???	_	
BEHE	0.90	27.6	Pg	05:27:52.400	0.0	T__	15.2	---	15132893	FDSN	IR	--	ISC	iLoc	???	???	_	
BEHE	0.90	27.6	Pb	05:27:52.900	0.5	T__	15.2	---	15132894	FDSN	IR	--	ISC	iLoc	???	???	_	
BEHE	0.90	27.6	Pn	05:27:53.719	0.2	T__		---	15132895	FDSN	HU	--	BUD	iLoc	BHZ	???	_	
BEHE	0.90	27.6	Sn	05:28:07.548	-1.1	T__		---	15132896	FDSN	HU	--	BUD	iLoc	BHN	???	_	
A264A	0.92	57.7	Pn	05:27:53.485	-0.2	T__		---	15132897	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A264A	0.92	57.7	Lg	05:28:06.780	0.3	T__		---	15132898	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
A021A	1.11	347.6	Pn	05:27:55.547	-0.6	T__		---	15132899	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A021A	1.11	347.6	Sn	05:28:12.009	-0.9	T__		---	15132900	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
BLY	1.14	140.8	Pg	05:27:56.822	0.2	T__		---	15132901	FDSN	MN	--	BUD	iLoc	BHZ	???	_	
BLY	1.17	142.0	Pn	05:27:56.200	-1.0	T__	1.8	---	15132902	FDSN	IR	--	ISC	iLoc	???	???	_	
BLY	1.17	142.0	Pg	05:27:56.400	-0.8	T__		---	15132903	FDSN	IR	--	ISC	iLoc	???	???	_	
BLY	1.17	142.0	Lg	05:28:13.000	-0.9	T__	1.8	---	15132904	FDSN	IR	--	ISC	iLoc	???	???	_	
BLY	1.17	142.0	Sn	05:28:13.500	-1.3	T__		---	15132905	FDSN	IR	--	ISC	iLoc	???	???	_	
A273A	1.18	77.6	Pg	05:27:58.877	1.0	T__		---	15132906	FDSN	Z3	--	BUD	iLoc	HHZ	???	_	
A273A	1.18	77.6	Sn	05:28:13.214	-1.6	T__		---	15132907	FDSN	Z3	--	BUD	iLoc	HHN	???	_	
UDBI	1.18	194.3	Pn	05:27:56.760	-1.2	T__		---	15132908	FDSN	IR	--	ISC	iLoc	???	???	_	
A252A	1.20	100.9	Pn	05:27:57.809	0.1	T__		---	15132909	FDSN	Z3	--	BUD	iLoc	BHZ	???	_	
A252A	1.20	100.9	Lg	05:28:14.699	-0.7	T__		---	15132910	FDSN	Z3	--	BUD	iLoc	BHE	???	_	
A262A	1.21	11.6	Pn	05:27:57.658	-0.1	T__		---	15132911	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A262A	1.21	11.6	Sn	05:28:14.876	-1.0	T__		---	15132912	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
RIY	1.24	254.2	Pn	05:27:57.900	-0.3	T__		---	15132913	FDSN	IR	--	ISC	iLoc	???	???	_	
A263A	1.25	39.0	Pn	05:27:57.433	-0.9	T__		---	15132914	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A263A	1.25	39.0	Lg	05:28:17.005	-0.1	T__		---	15132915	FDSN	Z3	00	BUD	iLoc	HHE	???	_	
SOKA	1.28	322.1	Pn	05:27:58.186	-0.4	T__	57.5	0.38	---	15132916	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.28	322.1	Sn	05:28:14.859	-2.5	T__	53.6	0.32	---	15132917	FDSN	IR	--	ISC	iLoc	???	???	_
A265A	1.36	55.9	Pn	05:27:58.998	-0.7	T__		---	15132918	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	

A265A	1.36	55.9	Lg	05:28:21.137	0.7	T__			15132919	FDSN	Z3	00	BUD	iLoc	HHE	???	_
OBKA	1.40	307.0	Pn	05:28:00.000	-0.4	T__		2.2	15132920	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.40	307.0	Pg	05:28:00.430	-0.7	T__		65.7	15132921	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.40	307.0	Pb	05:28:00.900	-0.2	T__		0.38	15132922	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.40	307.0	Sn	05:28:19.500	-1.2	T__		2.2	15132923	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.40	307.0	Sn	05:28:19.582	-1.2	T__		201.6	15132924	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.40	307.0	Pg	05:28:01.649	0.5	T__			15132925	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.40	307.0	Sn	05:28:19.997	-0.7	T__			15132926	FDSN	OE	--	BUD	iLoc	BHZ	???	_
KOVH	1.41	72.2	Pn	05:27:59.300	-1.1	T__		0.9	15132927	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.41	72.2	Pg	05:27:59.600	-2.9	T__			15132928	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.41	72.2	Pn	05:28:00.001	-0.4	T__			15132929	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.41	72.2	Sn	05:28:17.500	-3.1	T__		0.9	15132930	FDSN	IR	--	ISC	iLoc	???	???	_
A020B	1.41	334.9	Pn	05:28:00.432	0.2	T__			15132931	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
NVLJ	1.44	220.1	Pn	05:28:01.720	0.4	T__			15132932	FDSN	IR	--	ISC	iLoc	???	???	_
A261A	1.45	27.6	Pn	05:28:00.636	-0.4	T__			15132933	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	1.45	27.6	Sn	05:28:18.511	-3.1	T__			15132934	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VIRC	1.59	210.3	Pn	05:28:04.150	0.6	T__			15132935	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.64	344.3	Pn	05:28:03.602	0.1	T__			15132936	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.64	344.3	Pn	05:28:03.221	-0.3	T__		64.1	15132937	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.64	344.3	Pn	05:28:03.300	-0.3	T__		0.5	15132938	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.64	344.3	Sn	05:28:25.356	-0.5	T__		65.0	15132939	FDSN	IR	--	ISC	iLoc	???	???	_
A260A	1.65	12.7	Pn	05:28:03.613	-0.2	T__			15132940	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	1.65	12.7	Sn	05:28:27.065	0.6	T__			15132941	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KIJV	1.68	174.3	Pn	05:28:05.070	0.2	T__			15132942	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	1.68	174.3	Sn	05:28:27.490	-0.5	T__			15132943	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	1.69	58.9	Pn	05:28:03.304	-0.9	T__			15132944	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A266A	1.69	58.9	Lg	05:28:30.636	-0.4	T__			15132945	FDSN	Z3	00	BUD	iLoc	HHN	???	_
TIH	1.71	43.5	Pn	05:28:03.755	-0.8	T__			15132946	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	1.71	43.6	Pg	05:28:07.600	-0.3	T__			15132947	FDSN	IR	--	ISC	iLoc	???	???	_
A011B	1.74	355.2	Pn	05:28:04.654	-0.4	T__			15132948	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	1.74	355.2	Sn	05:28:29.561	0.9	T__			15132949	FDSN	Z3	00	BUD	iLoc	HH2	???	_
MPLH	1.77	31.8	Pn	05:28:04.300	-1.2	T__		0.8	15132950	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.77	31.8	Pn	05:28:04.866	-0.6	T__			15132951	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.81	71.7	Pn	05:28:04.600	-1.3	T__		0.2	15132952	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.81	71.7	Pg	05:28:04.728	-5.0	T__			15132953	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.81	71.7	Pb	05:28:06.900	-2.9	T__			15132954	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.81	71.7	Pn	05:28:05.134	-0.7	T__			15132955	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORI	1.84	190.5	Pn	05:28:07.830	0.6	T__			15132956	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	1.86	205.6	Pn	05:28:08.080	0.5	T__			15132957	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	1.86	205.6	Sn	05:28:32.490	-0.2	T__			15132958	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.92	24.3	Pn	05:28:07.203	-0.3	T__			15132959	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	1.92	24.2	Pn	05:28:07.100	-0.5	T__		1.3	15132960	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	1.92	24.2	Pg	05:28:12.700	0.8	T__			15132961	FDSN	IR	--	ISC	iLoc	???	???	_
A019A	1.92	337.4	Pn	05:28:08.084	0.4	T__			15132962	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	1.92	337.4	Lg	05:28:36.629	-1.5	T__			15132963	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A012A	1.97	348.4	Pn	05:28:08.651	0.2	T__			15132964	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	1.97	348.4	Lg	05:28:40.205	0.2	T__			15132965	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MYKA	2.00	299.4	Pn	05:28:08.976	0.2	T__		7.7	15132966	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	2.00	299.4	Sn	05:28:34.947	-0.4	T__		8.0	15132967	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	2.00	299.4	Lg	05:28:41.013	1.5	T__		45.1	15132968	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	2.03	7.4	Pn	05:28:08.500	-0.5	T__		0.3	15132969	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	2.03	7.4	Pn	05:28:08.696	-0.3	T__			15132970	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	2.03	7.4	Pn	05:28:11.500	2.5	T__			15132971	FDSN	IR	--	ISC	iLoc	???	???	_

RONA	2.03	2.4	Pn	05:28:08.899	-0.2	T__	48.4	0.20	---	15132972	FDSN	IR	--	ISC	iLoc	???	???	-
RONA	2.03	2.4	Lg	05:28:43.174	1.4	T__	24.3	0.30	---	15132973	FDSN	IR	--	ISC	iLoc	???	???	-
A267A	2.04	50.7	Pn	05:28:08.353	-0.8	T__			---	15132974	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
ZIRJ	2.06	190.8	Pn	05:28:10.990	0.6	T__			---	15132975	FDSN	IR	--	ISC	iLoc	???	???	-
A268A	2.13	33.9	Pn	05:28:12.625	2.2	T__			---	15132976	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A268A	2.13	33.9	Lg	05:28:43.438	-1.7	T__			---	15132977	FDSN	Z3	00	BUD	iLoc	HHE	???	-
A018A	2.20	340.4	Pn	05:28:13.658	2.2	T__			---	15132978	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
CSKK	2.22	39.7	Pg	05:28:19.700	2.1	T__			---	15132979	FDSN	IR	--	ISC	iLoc	???	???	-
CONA	2.26	354.7	Pn	05:28:12.642	0.2	T__			---	15132980	FDSN	OE	--	BUD	iLoc	BHZ	???	-
CONA	2.26	354.7	Pn	05:28:12.100	-0.4	T__	0.3		---	15132981	FDSN	IR	--	ISC	iLoc	???	???	-
CONA	2.26	354.7	Pg	05:28:12.218	-6.2	---	7.1	0.26	---	15132982	FDSN	IR	--	ISC	iLoc	???	???	-
CONA	2.26	354.7	Lg	05:28:49.643	0.3	T__	32.9	0.64	---	15132983	FDSN	IR	--	ISC	iLoc	???	???	-
A004A	2.29	3.8	Pn	05:28:13.440	0.8	T__			---	15132984	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
KBA	2.41	306.7	Pn	05:28:14.619	-0.1	T__	2.3	0.32	---	15132985	FDSN	IR	--	ISC	iLoc	???	???	-
KBA	2.41	306.7	Sn	05:28:45.141	-0.8	T__	32.6	0.50	---	15132986	FDSN	IR	--	ISC	iLoc	???	???	-
KBA	2.41	306.7	Lg	05:28:53.980	0.7	T__	32.6	0.50	---	15132987	FDSN	IR	--	ISC	iLoc	???	???	-
A013A	2.45	347.9	Pn	05:28:16.090	1.3	T__			---	15132988	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A013A	2.45	347.9	Sn	05:28:44.963	-1.0	T__			---	15132989	FDSN	Z3	00	BUD	iLoc	HHN	???	-
HAPS	2.53	127.8	Pn	05:28:16.500	-0.1	T__			---	15132990	FDSN	IR	--	ISC	iLoc	???	???	-
HAPS	2.53	127.8	Sn	05:28:50.200	1.6	T__			---	15132991	FDSN	IR	--	ISC	iLoc	???	???	-
MOA	2.54	329.6	Pn	05:28:16.400	0.3	T__			---	15132992	FDSN	IR	--	ISC	iLoc	???	???	-
MOA	2.54	329.6	Pg	05:28:16.731	-6.4	---	8.5	0.32	---	15132993	FDSN	IR	--	ISC	iLoc	???	???	-
MOA	2.54	329.6	Sn	05:28:46.424	-1.9	T__	32.8	0.66	---	15132994	FDSN	IR	--	ISC	iLoc	???	???	-
SRO	2.60	33.8	Pg	05:28:24.200	-0.6	T__			---	15132995	FDSN	IR	--	ISC	iLoc	???	???	-
FRGS	2.61	100.1	Pn	05:28:19.300	2.1	T__			---	15132996	FDSN	IR	--	ISC	iLoc	???	???	-
FRGS	2.61	100.1	Sn	05:28:51.700	1.7	T__			---	15132997	FDSN	IR	--	ISC	iLoc	???	???	-
TEKS	2.63	114.2	Pn	05:28:19.200	1.6	T__			---	15132998	FDSN	IR	--	ISC	iLoc	???	???	-
BIOA	2.67	320.1	Pn	05:28:18.022	0.0	T__	8.3	0.32	---	15132999	FDSN	IR	--	ISC	iLoc	???	???	-
BIOA	2.67	320.1	Sn	05:28:48.554	-3.0	T__	21.8	0.38	---	15133000	FDSN	IR	--	ISC	iLoc	???	???	-
BUD	2.67	46.4	Pg	05:28:25.100	-1.4	T__	0.3		---	15133001	FDSN	IR	--	ISC	iLoc	???	???	-
A005B	2.70	0.5	Pn	05:28:18.658	0.4	T__			---	15133002	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A008A	2.72	352.7	Pn	05:28:19.153	0.7	T__			---	15133003	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A008A	2.72	352.7	Sn	05:28:51.307	-1.3	T__			---	15133004	FDSN	Z3	00	BUD	iLoc	HH3	???	-
ABTA	2.76	294.2	Pn	05:28:19.740	0.3	T__	1.6	0.40	---	15133005	FDSN	IR	--	ISC	iLoc	???	???	-
ABTA	2.76	294.2	Pg	05:28:27.604	1.1	T__	12.2	0.54	---	15133006	FDSN	IR	--	ISC	iLoc	???	???	-
ABTA	2.76	294.2	Lg	05:29:03.361	0.1	T__	35.7	0.64	---	15133007	FDSN	IR	--	ISC	iLoc	???	???	-
A338A	2.78	31.8	Pn	05:28:20.063	0.6	T__			---	15133008	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
MODS	2.80	15.2	Pn	05:28:18.780	-1.2	T__			---	15133009	FDSN	SK	--	BUD	iLoc	HHZ	???	-
MODS	2.80	15.2	Pn	05:28:19.000	-1.0	T__			---	15133010	FDSN	IR	--	ISC	iLoc	???	???	-
BBLs	2.93	127.0	Pn	05:28:22.200	0.3	T__			---	15133011	FDSN	IR	--	ISC	iLoc	???	???	-
BBLs	2.93	127.0	Pg	05:28:31.400	0.5	T__	1.0		---	15133012	FDSN	IR	--	ISC	iLoc	???	???	-
BBLs	2.93	127.0	Sn	05:28:58.500	0.8	T__			---	15133013	FDSN	IR	--	ISC	iLoc	???	???	-
BBLs	2.93	126.9	Pn	05:28:22.534	0.8	T__			---	15133014	FDSN	SJ	--	BUD	iLoc	BHZ	???	-
LSTV	2.95	169.7	Pn	05:28:23.000	-0.4	T__			---	15133015	FDSN	IR	--	ISC	iLoc	???	???	-
LESA	2.98	307.2	Pn	05:28:22.494	-0.1	T__	4.9	0.36	---	15133016	FDSN	IR	--	ISC	iLoc	???	???	-
LESA	2.98	307.2	Sn	05:28:59.622	0.2	T__	33.1	0.46	---	15133017	FDSN	IR	--	ISC	iLoc	???	???	-
STON	3.01	158.1	Pn	05:28:24.500	0.8	T__			---	15133018	FDSN	IR	--	ISC	iLoc	???	???	-
A001A	3.07	5.2	Pn	05:28:24.071	0.5	T__			---	15133019	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
DIVS	3.14	118.8	Pn	05:28:25.600	0.7	T__			---	15133020	FDSN	IR	--	ISC	iLoc	???	???	-
A335A	3.14	27.3	Pn	05:28:23.843	-0.8	T__			---	15133021	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A335A	3.14	27.3	Sn	05:29:02.103	-0.6	T__			---	15133022	FDSN	Z3	00	BUD	iLoc	HHE	???	-
A336A	3.21	36.1	Pn	05:28:25.252	-0.2	T__			---	15133023	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
BRY	3.25	147.7	Pn	05:28:28.630	1.5	T__			---	15133024	FDSN	IR	--	ISC	iLoc	???	???	-

PLE	3.28	134.4	Pg	05:28:33.320	-3.9	T__	---	---	15133025	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	3.35	17.2	Pn	05:28:26.824	-0.8	T__	---	---	15133026	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	3.35	17.2	Pn	05:28:27.500	-0.2	T__	---	---	15133027	FDSN	IR	--	ISC	iLoc	???	???	_
TREB	3.35	151.3	Pn	05:28:29.300	1.0	T__	---	---	15133028	FDSN	IR	--	ISC	iLoc	???	???	_
VYHS	3.36	31.9	Pn	05:28:26.594	-1.1	T__	---	---	15133029	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	3.36	31.9	Pn	05:28:29.100	1.4	T__	---	---	15133030	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	3.39	2.5	Pn	05:28:27.361	-0.6	T__	---	---	15133031	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	3.39	338.7	Pn	05:28:28.270	0.4	T__	---	---	15133032	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	3.39	338.7	Pn	05:28:28.400	0.5	T__	---	---	15133033	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	3.40	47.4	Pn	05:28:27.887	-0.6	T__	---	---	15133034	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	3.40	47.4	Pn	05:28:26.308	-2.2	T__	---	---	15133035	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	3.51	298.5	Pn	05:28:31.120	0.8	T__	---	1.0 0.18	15133036	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	3.51	298.5	Sn	05:29:12.823	-0.6	T__	---	24.3 0.52	15133037	FDSN	IR	--	ISC	iLoc	???	???	_
IVAS	3.53	125.0	Pn	05:28:29.400	-0.9	T__	---	---	15133038	FDSN	IR	--	ISC	iLoc	???	???	_
WATA	3.58	299.3	Sn	05:29:14.148	-0.7	T__	---	29.7 0.68	15133039	FDSN	IR	--	ISC	iLoc	???	???	_
HCY	3.63	151.8	Pn	05:28:35.260	2.9	T__	---	---	15133040	FDSN	IR	--	ISC	iLoc	???	???	_
SJES	3.64	130.2	Pn	05:28:33.400	1.5	T__	---	---	15133041	FDSN	IR	--	ISC	iLoc	???	???	_
SJES	3.64	130.2	Sn	05:29:14.200	-1.1	T__	---	---	15133042	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.65	4.3	Pn	05:28:30.702	-0.8	T__	---	---	15133043	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	3.65	4.3	Pn	05:28:30.875	-0.7	T__	---	---	15133044	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
TREC	3.65	352.9	Pn	05:28:31.000	-0.5	T__	---	---	15133045	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	3.65	352.9	Pn	05:28:31.421	-0.1	T__	---	---	15133046	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
GRUS	3.69	117.3	Pn	05:28:32.200	-0.2	T__	---	---	15133047	FDSN	IR	--	ISC	iLoc	???	???	_
GRUS	3.69	117.3	Sn	05:29:15.200	-0.6	T__	---	---	15133048	FDSN	IR	--	ISC	iLoc	???	???	_
SQTA	3.76	296.0	Pn	05:28:33.752	0.1	T__	---	3.7 0.40	15133049	FDSN	IR	--	ISC	iLoc	???	???	_
SQTA	3.76	296.0	Sn	05:29:19.301	0.0	T__	---	51.0 0.68	15133050	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	3.82	88.9	Pg	05:28:47.600	0.4	T__	---	0.1	15133051	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	3.82	88.9	Pg	05:28:47.677	0.4	T__	---	---	15133052	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	3.82	88.9	Pb	05:28:48.900	1.6	T__	---	15.7 0.78	15133053	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	3.84	88.9	Pn	05:28:34.983	0.8	T__	---	---	15133054	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BEY	3.87	135.0	Pg	05:28:41.590	-6.4	---	---	---	15133055	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	3.87	79.2	Pg	05:28:43.396	-6.1	---	---	---	15133056	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	3.87	79.2	Pb	05:28:52.500	3.0	T__	---	8.2 0.76	15133057	FDSN	IR	--	ISC	iLoc	???	???	_
MOTA	3.88	297.3	Pn	05:28:35.320	-0.0	T__	---	2.1 0.44	15133058	FDSN	IR	--	ISC	iLoc	???	???	_
MOTA	3.88	297.3	Sn	05:29:22.398	0.1	T__	---	13.6 0.70	15133059	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.88	333.9	Pn	05:28:34.800	0.2	T__	---	---	15133060	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.88	333.9	Sn	05:29:19.100	-1.6	T__	---	---	15133061	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.88	333.9	Lg	05:29:40.000	0.7	T__	---	---	15133062	FDSN	IR	--	ISC	iLoc	???	???	_
PDG	3.93	144.5	Pg	05:28:50.124	1.6	T__	---	---	15133063	FDSN	IR	--	ISC	iLoc	???	???	_
ZVC	4.00	341.1	Pn	05:28:36.600	0.4	T__	---	---	15133064	FDSN	IR	--	ISC	iLoc	???	???	_
FETA	4.00	291.6	Pn	05:28:36.636	-0.5	T__	---	1.1 0.36	15133065	FDSN	IR	--	ISC	iLoc	???	???	_
FETA	4.00	291.6	Sn	05:29:25.806	0.3	T__	---	8.3 0.76	15133066	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	4.01	100.9	Pg	05:28:54.696	3.9	T__	---	---	15133067	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	4.13	68.0	Pn	05:28:43.012	4.3	---	---	---	15133068	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	4.13	31.6	Pg	05:29:00.100	5.9	---	645.3	---	15133069	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	4.21	12.2	Pn	05:28:39.312	-0.2	T__	---	---	15133070	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	4.21	12.2	Pn	05:28:39.151	-0.3	T__	---	---	15133071	FDSN	IR	--	ISC	iLoc	???	???	_
SELS	4.31	123.0	Pn	05:28:40.600	-0.6	T__	---	---	15133072	FDSN	IR	--	ISC	iLoc	???	???	_
BCI	4.34	138.3	Pn	05:28:47.520	5.7	---	---	---	15133073	FDSN	IR	--	ISC	iLoc	???	???	_
BCI	4.34	138.3	Sn	05:29:27.930	-5.6	T__	---	---	15133074	FDSN	IR	--	ISC	iLoc	???	???	_
GOPC	4.34	348.1	Pn	05:28:40.900	-0.2	T__	---	---	15133075	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	4.35	51.1	Pg	05:28:59.500	0.4	T__	---	38.1 0.87	15133076	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	4.37	17.0	Pn	05:28:41.648	-0.1	T__	---	---	15133077	FDSN	CZ	--	BUD	iLoc	BHZ	???	_

KRLC	4.42	5.1	Pn	05:28:42.200	-0.2	T__									15133078	FDSN	IR	--	ISC	iLoc	???	???	_
BOVS	4.44	115.4	Pn	05:28:45.662	2.7	T__									15133079	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	4.45	346.3	Pn	05:28:42.759	0.3	T__									15133080	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
HERR	4.48	98.0	Pn	05:28:50.502	7.1	---									15133081	FDSN	IR	--	ISC	iLoc	???	???	_
PUK	4.52	142.2	Pn	05:28:45.710	1.0	T__									15133082	FDSN	IR	--	ISC	iLoc	???	???	_
PUK	4.52	142.2	Sn	05:29:32.190	-6.9	T__									15133083	FDSN	IR	--	ISC	iLoc	???	???	_
MRVN	4.61	179.8	Pn	05:28:44.690	-1.2	T__									15133084	FDSN	IR	--	ISC	iLoc	???	???	_
MRVN	4.61	179.8	Sn	05:29:33.020	-7.9	T__									15133085	FDSN	IR	--	ISC	iLoc	???	???	_
DAVA	4.64	292.6	Pn	05:28:45.713	-0.3	T__				1.9	0.28				15133086	FDSN	IR	--	ISC	iLoc	???	???	_
DAVA	4.64	292.6	Sn	05:29:40.916	-0.2	T__				9.2	0.64				15133087	FDSN	IR	--	ISC	iLoc	???	???	_
DAVA	4.64	292.6	Lg	05:30:06.395	3.3	T__				10.9	0.54				15133088	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	4.65	91.1	Pn	05:28:45.109	-0.7	T__									15133089	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	4.65	91.1	Pg	05:28:45.200	-17.3	---				0.1					15133090	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	4.65	91.1	Pn	05:28:45.485	-0.4	T__									15133091	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	4.65	91.1	Pg	05:29:05.800	3.3	T__				8.5	0.72				15133092	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	4.67	35.2	Pg	05:29:08.600	4.7	T__				9.6	0.99				15133093	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	4.67	73.8	Pn	05:28:46.385	-0.2	T__									15133094	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	4.67	73.8	Pg	05:29:09.900	4.8	T__				8.3	0.82				15133095	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	4.67	73.8	Pn	05:28:46.643	0.1	T__									15133096	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DPC	4.68	1.2	Pn	05:28:44.400	-1.6	T__									15133097	FDSN	IR	--	ISC	iLoc	???	???	_
UPC	4.84	358.8	Pn	05:28:47.600	-0.4	T__									15133098	FDSN	IR	--	ISC	iLoc	???	???	_
OSTC	4.89	0.3	Pn	05:28:48.200	-0.6	T__									15133099	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	4.93	75.8	Pn	05:28:46.808	-3.5	T__									15133100	FDSN	IR	--	ISC	iLoc	???	???	_
BARS	4.96	123.2	Pn	05:28:49.700	-0.6	T__									15133101	FDSN	IR	--	ISC	iLoc	???	???	_
PVCC	4.97	348.1	Pn	05:28:49.100	-0.7	T__									15133102	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	5.01	58.3	Pg	05:29:10.530	-1.1	T__									15133103	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	5.01	58.3	Pg	05:29:16.000	4.3	T__				6.5	0.81				15133104	FDSN	IR	--	ISC	iLoc	???	???	_
MATE	5.04	175.4	Pn	05:28:50.300	-1.3	T__				0.1					15133105	FDSN	IR	--	ISC	iLoc	???	???	_
KSP	5.17	0.8	Pn	05:28:51.979	-0.9	T__									15133106	FDSN	PL	--	BUD	iLoc	BHZ	???	_
KSP	5.17	0.8	Pg	05:29:08.400	-2.2	T__				8.9	1.25				15133107	FDSN	IR	--	ISC	iLoc	???	???	_
ZAPS	5.21	115.1	Pn	05:28:52.300	-1.5	T__									15133108	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	5.28	49.7	Pg	05:29:24.700	8.8	---									15133109	FDSN	IR	--	ISC	iLoc	???	???	_
LOT	5.34	89.7	Pg	05:29:07.676	-7.9	---									15133110	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.41	344.8	Pn	05:28:55.990	0.1	T__									15133111	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.41	344.8	x	05:28:56.560	-99.0	---				5.5	0.67				15133112	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.41	344.8	Sn	05:29:56.630	-2.4	T__									15133113	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.41	344.8	Lg	05:30:27.240	-0.3	T__									15133114	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	5.41	344.8	x	05:30:42.210	-99.0	---				11.9	0.78				15133115	FDSN	IR	--	ISC	iLoc	???	???	_
ARR	5.95	89.9	Pn	05:28:59.122	-5.5	---									15133116	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	6.52	69.5	Pn	05:29:12.660	-0.3	T__									15133117	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
2018/11/24	06:54:38.80		0.60	45.7060	16.1610				10.0A								a ke LJU	15112452	ISC			360
2018/11/24	06:54:39.77	0.79	0.80	45.7551	16.1276	4.7	3.3	121	14.9F	0.0	23		2	1.19	1.55	a	ke VIE	15112455	ISC			360
2018/11/24	06:54:38.90	1.21	1.02	45.6837	16.1564	4.6	3.5	9	4.2F	8.9	37	19	121	0.19	1.63	m	ke BUD	15132638	iLoc			160

Magnitude	Err	Nsta	Author	OrigID
ML	1.3		LJU	15112452
mb	1.9		VIE	15112455
m1	1.8		VIE	15112455
M	2.2	8	BUD	15132638

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ZAG	0.19	320.4	Pg	06:54:43.020	0.2					T__						15132640	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.19	320.4	Lg	06:54:46.124	0.3					T__						15132641	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.26	329.5	Lg	06:54:47.360	-1.6					T__						15132642	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.26	329.6	Pg	06:54:43.758	-0.5					T__						15132643	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.26	329.6	Lg	06:54:47.778	-0.5					T__						15132644	FDSN	CR	--	BUD	iLoc	BHE	???	_
GCIS	0.41	296.6	Pg	06:54:47.100	0.0					T__						15132645	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.41	296.6	Lg	06:54:53.000	-0.4					T__						15132646	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.41	296.6	IAML	06:54:53.950	-99.0					---		9.4	0.12	---		15132647	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.43	99.3	Pg	06:54:47.320	-0.3					T__						15132648	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.48	352.6	Pg	06:54:48.310	-0.2					T__						15132649	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.48	352.6	Lg	06:54:54.160	-1.5					T__						15132650	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.49	262.2	Pg	06:54:48.570	0.2					T__						15132651	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.49	262.2	Lg	06:54:54.730	-0.9					T__						15132652	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.49	24.9	Pg	06:54:48.220	-0.9					T__						15132653	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.49	24.9	Lg	06:54:54.630	-2.1					T__						15132654	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.50	311.5	Pg	06:54:50.130	1.4					T__						15132655	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.50	311.5	IAML	06:54:58.100	-99.0					---		14.9	0.18	---		15132656	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.51	286.4	Pg	06:54:48.872	-0.0					T__						15132657	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.51	286.4	Lg	06:54:55.870	-0.9					T__						15132658	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.51	286.4	IAML	06:54:59.270	-99.0					---		8.7	0.13	---		15132659	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.77	4.9	Pg	06:54:55.157	1.1					T__						15132660	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.77	4.9	Lg	06:55:07.015	1.8					T__						15132661	FDSN	SL	--	BUD	iLoc	BHN	???	_
BEHE	0.90	28.5	Pn	06:54:58.032	0.2					T__						15132662	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.90	28.5	Lg	06:55:11.264	1.2					T__						15132663	FDSN	HU	--	BUD	iLoc	BHE	???	_
A021A	1.10	348.0	Pg	06:55:00.714	0.6					T__						15132664	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	1.10	348.0	Lg	06:55:15.923	0.5					T__						15132665	FDSN	Z3	00	BUD	iLoc	HHN	???	_
BLY	1.15	140.7	Pg	06:55:02.460	1.1					T__						15132666	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	1.15	140.7	Sn	06:55:18.389	-0.2					T__						15132667	FDSN	MN	--	BUD	iLoc	BHN	???	_
A262A	1.21	12.2	Lg	06:55:20.804	1.0					T__						15132668	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A252A	1.21	101.2	Sn	06:55:18.817	-1.4					T__						15132669	FDSN	Z3	--	BUD	iLoc	BHE	???	_
SOKA	1.26	322.3	Sn	06:55:19.012	-2.1					T__		1.1	0.18	---		15132670	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.39	307.0	Pg	06:55:05.986	0.6					T__		4.9	0.32	---		15132671	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.39	307.0	Sn	06:55:23.572	-0.9					T__		8.7	0.42	---		15132672	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.39	307.0	Pg	06:55:06.200	0.8					T__						15132673	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.39	307.0	Lg	06:55:23.936	-1.0					T__						15132674	FDSN	OE	--	BUD	iLoc	BHN	???	_
KOVH	1.42	72.7	Pg	06:55:06.837	-0.3					T__						15132675	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.42	72.7	Sn	06:55:24.496	-0.4					T__						15132676	FDSN	HU	--	BUD	iLoc	BHN	???	_
ARSA	1.63	344.6	Pg	06:55:10.552	0.1					T__						15132677	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.63	344.6	Pn	06:55:08.855	1.2					T__		0.4	0.14	---		15132678	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.63	344.6	Sn	06:55:30.186	0.4					T__		1.6	0.24	---		15132679	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.82	72.1	Pg	06:55:37.931	23.5					---						15132680	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	
2018/11/24	08:30:20.95	0.14	0.21	46.0019	21.9942	1.4	0.9	107	5.0A	10	111	0.26	1.03	a	ke	BUC	15112505	ISC			360		
2018/11/24	08:30:20.09	1.07	0.44	46.0089	21.9875	6.6	4.2	80	12.8F	11.7	20	6	106	0.27	1.03	m	ke	BUD	15132681	iLoc		180	

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15112505
M	1.5	4	BUD	15132681

Sta	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	0.27	159.4	Pg	08:30:26.032	0.1					T__						15132683	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.27	159.4	Pg	08:30:26.032	0.1					T__						15132684	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.27	159.4	Lg	08:30:29.843	-0.4					T__						15132685	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.34	318.8	Pg	08:30:27.642	0.1					T__						15132686	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.34	318.8	Lg	08:30:32.580	-0.6					T__						15132687	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.34	318.7	Pg	08:30:28.003	0.4					T__						15132688	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.34	318.7	Pg	08:30:28.003	0.4					T__						15132689	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.46	212.0	Pg	08:30:29.464	0.0					T__						15132690	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.46	212.0	Lg	08:30:36.099	-0.2					T__						15132691	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.47	213.6	Lg	08:30:36.458	-0.1					T__						15132692	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.83	137.8	Pn	08:30:36.835	0.5					T__						15132693	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.83	137.8	Sn	08:30:48.921	-0.4					T__						15132694	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.93	32.3	Pg	08:30:38.778	0.1					T__						15132695	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	32.3	Pg	08:30:38.778	0.1					T__						15132696	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	32.3	Sn	08:30:51.942	-0.5					T__						15132697	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.93	32.3	Pg	08:30:39.188	0.5					T__						15132698	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.93	32.3	Sn	08:30:51.415	-1.0					T__						15132699	FDSN	RO	--	BUD	iLoc	BHN	???	_
MARR	1.03	49.2	Pg	08:30:40.571	0.1					T__						15132700	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.03	49.2	Pg	08:30:40.571	0.1					T__						15132701	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.03	49.2	Sn	08:30:55.605	0.4					T__						15132702	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
2018/11/25	22:25:07.04	1.03	0.62	46.2108	16.2102	6.6	3.9	80	8.0F	0.0	11		2	0.94	0.94	a	ke VIE	15112532	ISC			360
2018/11/25	22:25:07.49	1.37	0.95	46.1721	16.1491	4.4	3.9	127	7.4F	10.8	18		9	70	0.06	0.92	m	ke BUD	15132703	iLoc		121

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.6		VIE	15112532
ml	1.1		VIE	15112532
M	2.1	5	BUD	15132703

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
LOBO	0.06	253.1	Pg	22:25:09.730	0.2					T__						15132705	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.06	253.1	Lg	22:25:10.790	-0.3					T__						15132706	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.22	100.8	Pg	22:25:12.530	0.1					T__						15132707	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.22	100.8	Lg	22:25:15.330	-0.9					T__						15132708	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.28	14.2	Pg	22:25:14.218	0.8					T__						15132709	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.28	14.2	Lg	22:25:18.391	0.5					T__						15132710	FDSN	SL	--	BUD	iLoc	BHE	???	_
PTJ	0.29	205.5	Pg	22:25:14.065	0.5					T__						15132711	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.29	205.5	Lg	22:25:18.391	0.2					T__						15132712	FDSN	CR	--	BUD	iLoc	BHE	???	_
PTJ	0.29	205.5	Pg	22:25:14.300	0.4					T__						15132713	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.29	205.5	Lg	22:25:18.110	-0.7					T__						15132714	FDSN	IR	--	ISC	iLoc	???	???	_
BEHE	0.53	55.3	Pg	22:25:20.377	2.1					T__						15132715	FDSN	HU	--	BUD	iLoc	BHZ	???	_
CRES	0.59	234.6	Pg	22:25:20.148	1.0					T__						15132716	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.59	234.6	Lg	22:25:28.595	0.3					T__						15132717	FDSN	SL	--	BUD	iLoc	BHZ	???	_
MOSL	0.70	142.7	Pg	22:25:21.790	0.2					T__						15132718	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.70	142.7	Lg	22:25:30.610	-1.5					T__						15132719	FDSN	IR	--	ISC	iLoc	???	???	_
A262A	0.74	20.5	Pg	22:25:21.196	-1.0					T__						15132720	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
SOKA	0.92	303.6	Pg	22:25:24.821	-0.4					T__		0.1	0.06			15132721	FDSN	IR	--	ISC	iLoc	???	???	_

SOKA 0.92 303.6 Lg 22:25:37.489 -0.8 T__ 0.3 0.24 ___ 15132722 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
2018/11/26	07:23:07.80	0.30		45.9070	16.0640	0.0	0.0		0.0F	0.0	15			0.69	2.79	a	ke BEO	15112564	ISC			360
2018/11/26	07:23:05.80		0.50	45.8720	16.0960				10.2A							a	ke LJU	15112567	ISC			360
2018/11/26	07:23:05.60			45.8800	16.1900				1.0A		8					a	ke PRU	15112558	ISC			360
2018/11/26	07:23:06.58	0.41	0.47	45.8881	16.0482	2.4	1.5	109	15.0F	0.0	22		2	1.06	1.82	a	ke VIE	15112560	ISC			360
2018/11/26	07:23:06.03	0.84	1.15	45.8726	16.0928	2.3	2.0	138	4.6F	5.1	122	57	28	0.09	3.68	m	ke BUD	15132723	iLoc			54

Magnitude	Err	Nsta	Author	OrigID
ML	2.3		BEO	15112564
ML	2.4		LJU	15112567
mb	2.2		VIE	15112560
m1	2.6		VIE	15112560
M	2.7	16	BUD	15132723

Sta	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	0.09	238.4	Pg	07:23:08.100	-0.0					T__		31.7				15132725	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.09	238.4	Lg	07:23:10.450	0.7					T__						15132726	FDSN	IR	--	ISC	iLoc	???	???	_
ZAG	0.09	238.3	Pg	07:23:08.475	0.4					T__						15132727	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.09	238.3	Lg	07:23:10.572	0.8					T__						15132728	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.09	291.8	Pg	07:23:08.324	0.1					T__						15132729	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.09	291.8	Lg	07:23:09.964	-0.0					T__						15132730	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.09	291.6	Pg	07:23:07.900	-0.6					T__	17.5					15132731	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.09	291.6	Pb	07:23:08.210	-0.3					T__						15132732	FDSN	IR	--	ISC	iLoc	???	???	_
PTJ	0.09	291.6	Lg	07:23:09.760	-0.9					T__						15132733	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.28	356.6	Pg	07:23:12.140	0.2					T__						15132734	FDSN	IR	--	ISC	iLoc	???	???	_
LOBO	0.28	356.6	Lg	07:23:16.320	-0.0					T__						15132735	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.33	269.2	Pg	07:23:12.770	0.3					T__						15132736	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.33	269.2	Lg	07:23:17.270	-0.3					T__						15132737	FDSN	IR	--	ISC	iLoc	???	???	_
GCIS	0.33	269.2	IAML	07:23:17.700	-99.0					---		505.0	0.15			15132738	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.35	293.1	Pg	07:23:13.320	0.2					T__						15132739	FDSN	IR	--	ISC	iLoc	???	???	_
GOLS	0.35	293.1	IAML	07:23:20.930	-99.0					---		325.0	0.26			15132740	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.36	44.2	Pg	07:23:13.040	-0.6					T__						15132741	FDSN	IR	--	ISC	iLoc	???	???	_
KALN	0.36	44.2	Lg	07:23:18.300	-1.1					T__						15132742	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.45	264.2	Pg	07:23:15.220	0.4					T__						15132743	FDSN	SL	--	BUD	iLoc	BHZ	???	_
CRES	0.45	264.2	Lg	07:23:20.961	-0.8					T__						15132744	FDSN	SL	--	BUD	iLoc	BHE	???	_
CRES	0.45	264.2	Pg	07:23:14.900	0.1					T__						15132745	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.45	264.2	Pb	07:23:16.800	2.0					T__	4.1					15132746	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.45	264.2	Lg	07:23:21.350	-0.4					T__						15132747	FDSN	IR	--	ISC	iLoc	???	???	_
CRES	0.45	264.2	IAML	07:23:23.230	-99.0					---		169.0	0.16			15132748	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.45	283.1	Lg	07:23:21.880	0.1					T__						15132749	FDSN	IR	--	ISC	iLoc	???	???	_
CESS	0.45	283.1	IAML	07:23:23.830	-99.0					---		168.0	0.09			15132750	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.51	239.8	Pg	07:23:16.060	0.2					T__						15132751	FDSN	IR	--	ISC	iLoc	???	???	_
OZLJ	0.51	239.8	Lg	07:23:23.260	-0.2					T__						15132752	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.52	302.7	Pg	07:23:16.420	0.3					T__						15132753	FDSN	IR	--	ISC	iLoc	???	???	_
DOBS	0.52	302.7	IAML	07:23:27.690	-99.0					---		67.5	0.09			15132754	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.53	119.0	Pg	07:23:16.220	-0.6					T__						15132755	FDSN	IR	--	ISC	iLoc	???	???	_
MOSL	0.53	119.0	Lg	07:23:23.070	-1.8					T__						15132756	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.55	278.3	Pg	07:23:16.970	0.3					T__						15132757	FDSN	IR	--	ISC	iLoc	???	???	_
LEGS	0.55	278.3	Lg	07:23:24.270	-0.7					T__						15132758	FDSN	IR	--	ISC	iLoc	???	???	_

KOGS	0.59	10.7	Pg	07:23:17.890	0.2	T__			15132759	FDSN	IR	--	ISC	iLoc	???	???	-	
KOGS	0.59	10.7	Pb	07:23:19.100	1.4	T__		4.6	15132760	FDSN	IR	--	ISC	iLoc	???	???	-	
KOGS	0.59	10.7	Lg	07:23:25.900	-0.4	T__			15132761	FDSN	IR	--	ISC	iLoc	???	???	-	
KOGS	0.59	10.7	IAML	07:23:28.260	-99.0	---		127.0	0.11	15132762	FDSN	IR	--	ISC	iLoc	???	???	-
KOGS	0.59	10.7	Pg	07:23:18.440	0.7	T__			15132763	FDSN	SL	--	BUD	iLoc	BHZ	???	-	
KOGS	0.59	10.7	Lg	07:23:26.096	-0.2	T__			15132764	FDSN	SL	--	BUD	iLoc	BHZ	???	-	
BOJS	0.70	238.3	Pg	07:23:19.210	-0.3	T__			15132765	FDSN	IR	--	ISC	iLoc	???	???	-	
BOJS	0.70	238.3	Pb	07:23:19.500	0.0	T__			15132766	FDSN	IR	--	ISC	iLoc	???	???	-	
BOJS	0.70	238.3	Lg	07:23:29.500	-0.4	T__			15132767	FDSN	IR	--	ISC	iLoc	???	???	-	
BOJS	0.70	238.3	IAML	07:23:32.970	-99.0	---		31.0	0.10	15132768	FDSN	IR	--	ISC	iLoc	???	???	-
GROS	0.72	325.3	Pg	07:23:20.110	0.0	T__			15132769	FDSN	IR	--	ISC	iLoc	???	???	-	
GROS	0.72	325.3	IAML	07:23:30.580	-99.0	---		56.5	0.16	15132770	FDSN	IR	--	ISC	iLoc	???	???	-
PDKS	0.79	284.3	Pg	07:23:21.400	0.2	T__			15132771	FDSN	IR	--	ISC	iLoc	???	???	-	
PDKS	0.79	284.3	Lg	07:23:31.410	-1.7	T__			15132772	FDSN	IR	--	ISC	iLoc	???	???	-	
PDKS	0.79	284.3	IAML	07:23:36.580	-99.0	---		124.0	0.26	15132773	FDSN	IR	--	ISC	iLoc	???	???	-
A264A	0.88	70.6	Pg	07:23:23.911	0.2	T__			15132774	FDSN	Z3	00	BUD	iLoc	HHZ	???	-	
A264A	0.88	70.6	Lg	07:23:36.817	-0.0	T__			15132775	FDSN	Z3	00	BUD	iLoc	HHN	???	-	
A021A	0.90	348.3	Pg	07:23:23.755	0.3	T__			15132776	FDSN	Z3	00	BUD	iLoc	HHZ	???	-	
A021A	0.90	348.3	Lg	07:23:35.289	-0.8	T__			15132777	FDSN	Z3	00	BUD	iLoc	HHE	???	-	
GBRS	0.96	249.7	Pg	07:23:24.270	-0.3	T__			15132778	FDSN	IR	--	ISC	iLoc	???	???	-	
GBRS	0.96	249.7	IAML	07:23:42.580	-99.0	---		14.9	0.09	15132779	FDSN	IR	--	ISC	iLoc	???	???	-
VNDS	1.00	283.8	Pg	07:23:25.080	0.1	T__			15132780	FDSN	IR	--	ISC	iLoc	???	???	-	
VNDS	1.00	283.8	IAML	07:23:43.060	-99.0	---		65.4	0.20	15132781	FDSN	IR	--	ISC	iLoc	???	???	-
PERS	1.02	318.8	Pg	07:23:25.430	-0.1	T__			15132782	FDSN	IR	--	ISC	iLoc	???	???	-	
PERS	1.02	318.8	IAML	07:23:43.370	-99.0	---		44.2	0.22	15132783	FDSN	IR	--	ISC	iLoc	???	???	-
A262A	1.04	16.7	Pn	07:23:27.930	1.3	T__			15132784	FDSN	Z3	00	BUD	iLoc	HHZ	???	-	
A262A	1.04	16.7	Sn	07:23:42.644	-0.0	T__			15132785	FDSN	Z3	00	BUD	iLoc	HHE	???	-	
PLIT	1.05	198.6	Pg	07:23:25.370	-1.1	T__			15132786	FDSN	IR	--	ISC	iLoc	???	???	-	
PLIT	1.05	198.6	Lg	07:23:38.890	-2.5	T__			15132787	FDSN	IR	--	ISC	iLoc	???	???	-	
SOKA	1.09	318.0	Pg	07:23:26.797	-0.1	T__		8.6	0.30	15132788	FDSN	IR	--	ISC	iLoc	???	???	-
SOKA	1.09	318.0	Lg	07:23:41.330	-1.0	T__		3.3	0.12	15132789	FDSN	IR	--	ISC	iLoc	???	???	-
LJU	1.11	279.5	Pn	07:23:27.300	-0.2	T__			15132790	FDSN	IR	--	ISC	iLoc	???	???	-	
LJU	1.11	279.5	Lg	07:23:42.800	-0.2	T__			15132791	FDSN	IR	--	ISC	iLoc	???	???	-	
A263A	1.14	47.4	Pn	07:23:28.251	0.1	T__			15132792	FDSN	Z3	00	BUD	iLoc	HHZ	???	-	
A263A	1.14	47.4	Lg	07:23:45.335	0.1	T__			15132793	FDSN	Z3	00	BUD	iLoc	HHN	???	-	
CEY	1.17	264.0	Pn	07:23:29.000	0.5	T__			15132794	FDSN	IR	--	ISC	iLoc	???	???	-	
CEY	1.17	264.0	Lg	07:23:44.900	-0.3	T__			15132795	FDSN	IR	--	ISC	iLoc	???	???	-	
OBKA	1.25	301.2	Pn	07:23:29.398	-0.2	T__		7.8	0.14	15132796	FDSN	IR	--	ISC	iLoc	???	???	-
OBKA	1.25	301.2	Pg	07:23:30.800	1.0	T__			15132797	FDSN	IR	--	ISC	iLoc	???	???	-	
OBKA	1.25	301.2	Lg	07:23:46.484	-1.0	T__		48.2	0.26	15132798	FDSN	IR	--	ISC	iLoc	???	???	-
OBKA	1.25	301.2	Pg	07:23:30.197	0.4	T__			15132799	FDSN	OE	--	BUD	iLoc	BHZ	???	-	
OBKA	1.25	301.2	Lg	07:23:47.209	-0.3	T__			15132800	FDSN	OE	--	BUD	iLoc	BHZ	???	-	
RIY	1.26	244.7	Pg	07:23:30.050	0.2	T__			15132801	FDSN	IR	--	ISC	iLoc	???	???	-	
RIY	1.26	244.7	Pg	07:23:30.100	0.2	T__			15132802	FDSN	IR	--	ISC	iLoc	???	???	-	
RIY	1.26	244.7	Lg	07:23:47.300	-0.4	T__			15132803	FDSN	IR	--	ISC	iLoc	???	???	-	
A261A	1.30	33.7	Pn	07:23:30.149	-0.2	T__			15132804	FDSN	Z3	00	BUD	iLoc	HHZ	???	-	
A261A	1.30	33.7	Lg	07:23:50.283	0.0	T__			15132805	FDSN	Z3	00	BUD	iLoc	HHE	???	-	
A265A	1.31	64.4	Pn	07:23:30.089	-0.2	T__			15132806	FDSN	Z3	00	BUD	iLoc	HHZ	???	-	
A265A	1.31	64.4	Sn	07:23:47.008	-2.1	T__			15132807	FDSN	Z3	00	BUD	iLoc	HHN	???	-	
A252A	1.31	108.9	Pn	07:23:30.794	0.3	T__			15132808	FDSN	Z3	--	BUD	iLoc	BHZ	???	-	
A252A	1.31	108.9	Sn	07:23:48.135	-1.3	T__			15132809	FDSN	Z3	--	BUD	iLoc	BHE	???	-	
BLY	1.33	144.3	Pg	07:23:32.020	0.1	T__			15132810	FDSN	MN	--	BUD	iLoc	BHZ	???	-	
BLY	1.33	144.3	Sn	07:23:50.004	0.1	T__			15132811	FDSN	MN	--	BUD	iLoc	BHZ	???	-	

BLY	1.36	145.2	Pn	07:23:32.200	0.9	T__	---	---	15132812	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.36	145.2	Pg	07:23:40.800	8.3	---	---	---	15132813	FDSN	IR	--	ISC	iLoc	???	???	_
BLY	1.36	145.2	Sn	07:23:50.800	0.1	T__	---	---	15132814	FDSN	IR	--	ISC	iLoc	???	???	_
UDBI	1.36	189.9	Pn	07:23:31.830	0.0	T__	---	---	15132815	FDSN	IR	--	ISC	iLoc	???	???	_
UDBI	1.36	189.9	Sn	07:23:49.840	-1.7	T__	---	---	15132816	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.42	80.5	Pg	07:23:33.412	-0.9	T__	---	---	15132817	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.42	80.5	Pg	07:23:35.100	0.8	T__	---	---	15132818	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.42	80.5	Sn	07:23:52.247	0.4	T__	---	---	15132819	FDSN	HU	--	BUD	iLoc	BHZ	???	_
ARSA	1.43	344.3	Pn	07:23:31.898	-0.1	T__	---	---	15132820	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.43	344.3	Sn	07:23:52.080	0.0	T__	---	---	15132821	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.43	344.3	Pn	07:23:32.300	0.3	T__	---	---	15132822	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.43	344.3	Pg	07:23:33.600	-0.3	T__	---	---	15132823	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.43	344.3	Pb	07:23:34.186	0.3	T__	6.2	0.22	15132824	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.43	344.3	Sn	07:23:51.300	-0.8	T__	---	---	15132825	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.43	344.3	Lg	07:23:51.438	-2.1	T__	4.9	0.16	15132826	FDSN	IR	--	ISC	iLoc	???	???	_
RABC	1.45	220.0	Pn	07:23:33.120	0.4	T__	---	---	15132827	FDSN	IR	--	ISC	iLoc	???	???	_
A260A	1.47	16.5	Pn	07:23:28.681	-4.0	T__	---	---	15132828	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	1.47	16.5	Sn	07:23:53.602	0.3	T__	---	---	15132829	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO11B	1.54	356.6	Pg	07:23:35.237	-1.0	T__	---	---	15132830	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO11B	1.54	356.6	Lg	07:23:56.286	-1.1	T__	---	---	15132831	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
NVLJ	1.57	213.8	Pn	07:23:35.070	0.7	T__	---	---	15132832	FDSN	IR	--	ISC	iLoc	???	???	_
TIH	1.61	49.8	Pg	07:23:36.637	-1.0	T__	---	---	15132833	FDSN	HU	--	BUD	iLoc	HHZ	???	_
MPLH	1.64	37.1	Pn	07:23:35.301	0.4	T__	---	---	15132834	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.64	37.1	Pg	07:23:42.800	4.6	T__	---	---	15132835	FDSN	IR	--	ISC	iLoc	???	???	_
A266A	1.64	65.8	Lg	07:24:01.564	0.4	T__	---	---	15132836	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VIRC	1.74	205.3	Pn	07:23:37.430	0.4	T__	---	---	15132837	FDSN	IR	--	ISC	iLoc	???	???	_
VIRC	1.74	205.3	Sn	07:24:01.070	0.8	T__	---	---	15132838	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.81	78.2	Pg	07:23:43.800	2.3	T__	---	---	15132839	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.81	78.2	Pn	07:23:39.554	2.3	T__	---	---	15132840	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.81	78.2	Lg	07:24:04.404	-2.0	T__	---	---	15132841	FDSN	HU	--	BUD	iLoc	BHN	???	_
RONA	1.83	4.3	Pn	07:23:38.101	0.4	T__	8.6	0.22	15132842	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.83	4.3	Lg	07:24:06.973	-0.1	T__	25.9	0.42	15132843	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	1.84	9.8	Lg	07:24:05.802	-1.3	T__	---	---	15132844	FDSN	HU	--	BUD	iLoc	BHN	???	_
MYKA	1.86	294.9	Pn	07:23:38.037	-0.1	T__	1.2	0.16	15132845	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	1.86	294.9	Lg	07:24:07.129	0.5	T__	6.6	0.26	15132846	FDSN	IR	--	ISC	iLoc	???	???	_
KIJV	1.88	173.1	Pn	07:23:39.050	0.0	T__	---	---	15132847	FDSN	IR	--	ISC	iLoc	???	???	_
DUGI	2.02	201.7	Pn	07:23:41.730	0.6	T__	---	---	15132848	FDSN	IR	--	ISC	iLoc	???	???	_
MORI	2.03	187.9	Pn	07:23:41.460	0.3	T__	---	---	15132849	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	2.06	355.7	Pn	07:23:41.568	0.6	T__	---	---	15132850	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	2.06	355.7	Pg	07:23:47.200	1.0	T__	---	---	15132851	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.24	188.4	Pn	07:23:44.760	0.4	T__	---	---	15132852	FDSN	IR	--	ISC	iLoc	???	???	_
ZIRJ	2.24	188.4	Sn	07:24:13.160	0.0	T__	---	---	15132853	FDSN	IR	--	ISC	iLoc	???	???	_
MODS	2.63	17.5	Pn	07:23:49.179	0.3	T__	---	---	15132854	FDSN	SK	--	BUD	iLoc	HHZ	???	_
TEKS	2.77	117.4	Pn	07:23:54.300	3.5	T__	---	---	15132855	FDSN	IR	--	ISC	iLoc	???	???	_
BEO	3.25	107.3	Pn	07:23:54.014	-3.4	T__	---	---	15132856	FDSN	SJ	--	BUD	iLoc	BHZ	???	_
KHC	3.68	333.3	Pn	07:24:03.800	0.7	T__	---	---	15132857	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.68	333.3	Sn	07:24:46.400	-0.6	T__	---	---	15132858	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	3.68	333.3	Lg	07:25:00.000	-4.4	T__	---	---	15132859	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
2018/11/26	09:08:55.14	1.18	1.16	48.6078	20.7222	9.9	4.9	147	0.0S	9	6	117	0.20	1.26	m	kx	BUD	15133132	iLoc		166	

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

Magnitude	Err	Nsta	Author	OrigID																				
Sta	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	231.7	Pg	09:08:59.639	0.3					T__						15133134	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	231.7	Lg	09:09:02.718	0.1					T__						15133135	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	231.7	Lg	09:09:03.200	0.6					T__		0.5				15133136	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.46	132.0	Pg	09:09:05.679	1.1					T__						15133137	FDSN	HU	--	BUD	iLoc	HHZ	???	_
STHS	0.88	22.8	Pg	09:09:12.600	1.2					T__		0.1				15133138	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.88	219.0	Pn	09:09:14.005	-0.1					T__						15133139	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.88	219.0	Lg	09:09:26.704	-0.8					T__						15133140	FDSN	GE	--	BUD	iLoc	BHN	???	_
KOLS	1.08	71.8	Lg	09:09:31.179	-1.8					T__						15133141	FDSN	SK	--	BUD	iLoc	HHN	???	_
VYHS	1.26	265.5	Sn	09:09:37.092	-1.1					T__						15133142	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
2018/11/26	13:03:30.62	1.44	0.60	48.1968	21.2206	10.8	6.3	3	0.0S		8	6	159	0.10	1.02	m	kx	BUD	15133118	iLoc		206
2018/11/26	13:03:31.15f		0.68	48.2470	21.2460f				0.0S		8		153	0.05	0.97	m	kx	BUD_GT	15137256	BUD		198

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

Magnitude Err Nsta Author OrigID
 MLv 2.0 0.0 1 BUD 15137256

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ABAH	0.05	355.1	Pg	13:03:33.233	0.5					T__		405.8			MLv	15138912	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
ABAH	0.05	355.1	Lg	13:03:34.953	0.8					T__						15138913	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Lg	13:03:51.041	0.1					T__						15138914	FDSN	SK	--	BUD	BUD	EHE	???	_
HOLU	0.81	69.3	Pn	13:03:48.718	-0.6					T__						15138915	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	13:04:01.783	1.3					T__						15138916	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Lg	13:04:02.906	-0.1					T__						15138917	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Lg	13:04:06.397	0.0					T__						15138918	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Sn	13:04:07.289	-0.8					T__						15138919	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
2018/11/26	13:22:59.89	3.56	1.41	48.4444	21.1965	23.5	8.4	175	0.0S		4	3	229	0.15	1.02	m	kx	BUD	15133143	iLoc		299
2018/11/26	13:23:02.21f		0.63	48.2470	21.2460f				0.0S		4		153	0.05	0.96	m	kx	BUD_GT	15137259	BUD		257

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

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
ABAH	0.05	355.1	Pg	13:23:04.080	0.3					T__						15138920	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	13:23:05.800	0.6					T__						15138921	FDSN	HU	--	BUD	BUD	HHN	???	_

TRPA	0.87	97.2	Lg	13:23:33.662	-0.4	T__	---	15138922	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Lg	13:23:36.442	-1.0	T__	---	15138923	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
2018/11/28	10:18:06.72	1.96	0.48	47.3096	17.6637	13.8	5.8	60	0.0S	8	5	228	0.16	1.37	m	sx	BUD	15133164	iLoc		273	
(description : suspected quarry blast)																						
(locality : Ugod Hungary)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	3	BUD	15133164

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MPLH	0.16	211.3	Pg	10:18:10.951	0.4					T__						15133166	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.16	211.3	Lg	10:18:13.394	-0.3					T__						15133167	FDSN	HU	--	BUD	iLoc	BHE	???	_
EGYH	0.25	295.4	Pg	10:18:12.478	0.1					T__						15133168	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.25	295.4	Lg	10:18:17.160	0.5					T__						15133169	FDSN	HU	--	BUD	iLoc	HHE	???	_
BEHE	1.04	216.3	Lg	10:18:43.179	0.0					T__						15133170	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.26	166.0	Pg	10:18:32.325	0.3					T__						15133171	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	1.26	166.0	Lg	10:18:50.238	-0.3					T__						15133172	FDSN	HU	--	BUD	iLoc	BHE	???	_
CONA	1.37	297.6	Sn	10:18:51.678	-0.7					T__						15133173	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
2018/11/28	10:57:34.01	1.42	1.04	47.9426	19.8797	7.9	5.4	51	0.0S	6	4	150	0.03	4.86	m	sx	BUD	15133174	iLoc		240	
(locality : Kismána Hungary)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID	
MLv	1.9	0.3	2	BUD	15133174

Sta	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	157.8	Pg	10:57:34.688	-0.5					T__	13.0	67.7			MLv	1.2	15133176	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.03	157.8	Lg	10:57:37.259	0.8					T__						15133177	FDSN	GE	--	BUD	iLoc	BHE	???	_	
VYHS	0.89	308.7	Lg	10:58:03.797	-1.3					T__						15133178	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	0.98	68.3	Pg	10:57:53.164	-0.1					T__	1.8	9.5			MLv	2.0	15133179	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.98	68.3	Lg	10:58:09.454	0.1					T__						15133180	FDSN	HU	--	BUD	iLoc	HHN	???	_	
BRG	4.86	309.3	Pg	10:59:06.000	0.8					T__						15133181	FDSN	IR	--	ISC	iLoc	???	???	_	
BRG	4.86	309.3	Pb	10:59:10.000	4.8					---						15133182	FDSN	IR	--	ISC	iLoc	???	???	_	
BRG	4.86	309.3	Pn	10:59:14.000	25.9					---						15133183	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
2018/11/28	12:33:10.01	1.34	0.61	48.6104	20.7828	8.3	5.5	13	0.0S	11	6	157	0.23	1.73	m	kx	BUD	15133192	iLoc		242	
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	6	BUD	15133192

Sta	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	237.3	Pg	12:33:15.270	0.4					T__						15133194	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	237.3	Lg	12:33:19.400	0.8					T__						15133195	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.44	135.8	Pg	12:33:19.593	0.7					T__						15133196	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	135.8	Lg	12:33:25.803	-0.6					T__						15133197	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.91	220.9	Pn	12:33:29.172	-0.2					T__						15133198	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.91	220.9	Lg	12:33:42.916	-0.4					T__						15133199	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.25	253.0	Pg	12:33:35.642	0.7					T__						15133200	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.25	253.0	Lg	12:33:52.781	-0.4					T__						15133201	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.30	265.6	Pg	12:33:36.011	0.1					T__						15133202	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	265.6	Sn	12:33:53.497	-0.6					T__						15133203	FDSN	SK	--	BUD	iLoc	HHN	???	_
OJC	1.73	338.6	Pg	12:33:43.835	0.4					T__						15133204	FDSN	PL	--	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
2018/11/28	19:59:54.00			48.0300	16.3400				6.0A		23					a	ke PRU	15112808	ISC			360
2018/11/28	19:59:52.70	0.13	1.53	47.9428	16.4052	1.1	0.8	105	12.5F	0.0	52			2	0.25	3.62	a	ke VIE	15112810	ISC		360
2018/11/28	19:59:52.80	0.95	1.12	47.9489	16.4039	2.3	2.3	55	8.7F	4.3	89	51	26	0.01	3.63	m	ke BUD	15133205	iLoc			41

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

Magnitude	Err	Nsta	Author	OrigID
mb	2.0		VIE	15112810
m1	2.4		VIE	15112810
M	2.4	21	BUD	15133205

Sta	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	0.01	341.2	Lg	19:59:55.222	-0.5					T__						15133207	FDSN	Z3	00	BUD	iLoc	HHN	???	_
RONA	0.26	196.3	Pg	19:59:58.110	-0.3					T__		99.9	0.12			15133208	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.26	196.3	Lg	20:00:01.938	-0.7					T__		40.3	0.04			15133209	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.29	158.6	Pg	19:59:58.145	-0.7					T__						15133210	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.29	158.6	Lg	20:00:02.304	-1.0					T__						15133211	FDSN	HU	--	BUD	iLoc	BHN	???	_
CONA	0.37	266.9	Pg	19:59:59.665	-0.7					T__						15133212	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.37	266.9	Lg	20:00:05.920	-0.2					T__						15133213	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	0.37	267.0	Pg	20:00:00.079	-0.3					T__		28.1	0.08			15133214	FDSN	IR	--	ISC	iLoc	???	???	_
A002B	0.43	17.0	Lg	20:00:05.745	-2.2					T__						15133215	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A005B	0.44	342.6	Lg	20:00:09.119	1.0					T__						15133216	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A003A	0.48	113.3	Pg	20:00:02.651	0.1					T__						15133217	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.48	113.3	Lg	20:00:09.775	0.1					T__						15133218	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A011B	0.62	209.3	Pg	20:00:04.642	-0.5					T__						15133219	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.62	209.3	Lg	20:00:13.400	-0.8					T__						15133220	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A012A	0.65	238.3	Pg	20:00:05.595	-0.3					T__						15133221	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	0.65	238.3	Lg	20:00:14.889	-0.7					T__						15133222	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A008A	0.66	310.1	Pg	20:00:05.431	-0.1					T__						15133223	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A008A	0.66	310.1	Lg	20:00:14.154	-0.7					T__						15133224	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A013A	0.68	280.1	Pg	20:00:06.064	-0.0					T__						15133225	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.68	280.1	Lg	20:00:15.510	-0.3					T__						15133226	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A260A	0.70	162.8	Pg	20:00:06.501	-0.3					T__						15133227	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	0.70	162.8	Lg	20:00:16.297	-0.6					T__						15133228	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MODS	0.72	53.7	Pg	20:00:06.409	-0.9					T__						15133229	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.72	53.7	Lg	20:00:16.945	-0.7					T__						15133230	FDSN	SK	--	BUD	iLoc	HHE	???	_
A001A	0.79	9.0	Pg	20:00:08.890	0.7					T__						15133231	FDSN	Z3	00	BUD	iLoc	HHZ	???	_

A001A	0.79	9.0	Lg	20:00:20.143	0.8	T__	---	15133232	FDSN	Z3	00	BUD	iLoc	HH2	???	_
EGYH	0.82	130.0	Pg	20:00:09.237	-0.0	T__	---	15133233	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.82	130.0	Lg	20:00:19.954	-0.9	T__	---	15133234	FDSN	HU	--	BUD	iLoc	HHN	???	_
A018A	0.92	257.5	Pg	20:00:10.256	-0.5	T__	---	15133235	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A018A	0.92	257.5	Lg	20:00:22.989	-0.6	T__	---	15133236	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARSA	0.92	220.8	Pg	20:00:10.144	-0.6	T__	4.2 0.16	15133237	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.92	220.8	Pg	20:00:10.324	-0.4	T__	---	15133238	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.92	220.8	Lg	20:00:22.377	-1.1	T__	---	15133239	FDSN	OE	--	BUD	iLoc	BHN	???	_
A337A	0.97	71.8	Pn	20:00:12.296	0.6	T__	---	15133240	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.97	71.8	Sn	20:00:27.024	0.9	T__	---	15133241	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A019A	1.02	241.0	Pn	20:00:12.328	-0.2	T__	---	15133242	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	1.02	241.0	Lg	20:00:25.656	-1.6	T__	---	15133243	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A334A	1.07	51.8	Pn	20:00:13.856	0.8	T__	---	15133244	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	1.09	175.5	Pg	20:00:14.229	-0.1	T__	---	15133245	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	1.09	175.5	Sn	20:00:30.333	1.0	T__	---	15133246	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	1.09	135.0	Pn	20:00:14.097	0.7	T__	---	15133247	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.09	135.0	Lg	20:00:28.703	-0.7	T__	---	15133248	FDSN	HU	--	BUD	iLoc	BHE	???	_
KRUC	1.11	359.7	Pg	20:00:13.184	-0.9	T__	---	15133249	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.11	359.7	Lg	20:00:27.880	-1.2	T__	---	15133250	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A261A	1.12	152.9	Pg	20:00:14.913	-0.1	T__	---	15133251	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	1.12	152.9	Sn	20:00:29.583	-0.6	T__	---	15133252	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A268A	1.15	116.2	Sn	20:00:30.263	-0.3	T__	---	15133253	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	1.24	42.4	Pg	20:00:16.894	-0.4	T__	---	15133254	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.24	42.4	Sn	20:00:33.891	0.8	T__	---	15133255	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A021A	1.26	198.5	Pg	20:00:16.731	-0.4	T__	---	15133256	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.31	86.4	Pg	20:00:18.169	-0.5	T__	---	15133257	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.31	86.4	Lg	20:00:37.526	1.6	T__	---	15133258	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VRAC	1.37	5.2	Pn	20:00:17.160	0.1	T__	---	15133259	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.37	5.2	Sn	20:00:34.878	-0.9	T__	---	15133260	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	1.39	68.2	Pn	20:00:18.819	1.4	T__	---	15133261	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.39	68.2	Sn	20:00:38.001	1.9	T__	---	15133262	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MOA	1.44	266.8	Pg	20:00:19.500	-1.2	T__	5.0 0.18	15133263	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.44	266.8	Lg	20:00:39.593	-0.7	T__	13.8 0.24	15133264	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.48	336.0	Pn	20:00:19.200	0.5	T__	---	15133265	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.48	336.0	Sn	20:00:37.500	-1.2	T__	15.5 0.20	15133266	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.58	216.8	Pn	20:00:21.050	0.9	T__	0.3 0.16	15133267	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.58	216.8	Sn	20:00:41.643	0.3	T__	2.2 0.26	15133268	FDSN	IR	--	ISC	iLoc	???	???	_
A332A	1.62	57.3	Pn	20:00:17.389	-3.3	T__	---	15133269	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	1.62	57.3	Sn	20:00:42.063	0.2	T__	---	15133270	FDSN	Z3	00	BUD	iLoc	HHN	???	_
CKRC	1.65	302.8	Pg	20:00:22.763	-1.2	T__	---	15133271	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.65	302.8	Sn	20:00:43.887	0.9	T__	---	15133272	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.65	302.8	Pg	20:00:23.000	-0.9	T__	---	15133273	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.88	263.1	Pn	20:00:25.891	1.5	T__	2.3 0.14	15133274	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.88	263.1	Lg	20:00:52.236	-2.3	T__	17.1 0.34	15133275	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.98	21.9	Sn	20:00:49.710	-1.3	T__	---	15133276	FDSN	CZ	--	BUD	iLoc	BHN	???	_
ZVC	2.09	316.3	Sn	20:00:56.100	2.4	T__	11.9 0.40	15133277	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	2.14	6.5	Pn	20:00:29.200	1.2	T__	---	15133278	FDSN	IR	--	ISC	iLoc	???	???	_
KRLC	2.14	6.5	Lg	20:00:59.400	-0.8	T__	3.7 0.20	15133279	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.19	147.4	Pn	20:00:28.901	0.1	T__	---	15133280	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KHC	2.22	303.3	Pn	20:00:31.900	3.0	T__	---	15133281	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.22	303.3	Pg	20:00:35.000	0.1	T__	---	15133282	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.22	303.3	Lg	20:01:01.600	-2.2	T__	8.6 0.20	15133283	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	2.31	137.7	Pn	20:00:30.189	-0.1	T__	---	15133284	FDSN	HU	--	BUD	iLoc	BHZ	???	_

PRU	2.38	329.7	Lg	20:01:07.000	-1.2	T__	13.5	0.40	---	15133285	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.40	358.8	Lg	20:01:08.400	0.6	T__	4.6	0.50	---	15133286	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	2.57	259.6	Pn	20:00:36.325	2.1	T__	0.9	0.16	---	15133287	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	2.57	259.6	Lg	20:01:14.762	-1.9	T__	3.4	0.24	---	15133288	FDSN	IR	--	ISC	iLoc	???	???	_
ABTA	2.91	247.0	Pg	20:00:48.079	-0.0	T__	0.6	0.34	---	15133289	FDSN	IR	--	ISC	iLoc	???	???	_
ABTA	2.91	247.0	Lg	20:01:27.588	1.1	T__	1.0	0.28	---	15133290	FDSN	IR	--	ISC	iLoc	???	???	_
HSKC	3.30	324.9	Lg	20:01:36.000	-1.9	T__	6.6	0.60	---	15133291	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.34	332.2	Lg	20:01:37.760	-0.6	T__			---	15133292	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.34	332.2	x	20:01:41.460	-99.0	---	4.3	0.38	---	15133293	FDSN	IR	--	ISC	iLoc	???	???	_
NKC	3.46	312.8	Lg	20:01:42.000	-1.2	T__	7.8	0.40	---	15133294	FDSN	IR	--	ISC	iLoc	???	???	_
SQTA	3.59	260.2	Lg	20:01:50.126	1.6	T__	2.3	0.30	---	15133295	FDSN	IR	--	ISC	iLoc	???	???	_
MOTA	3.63	262.4	Lg	20:01:48.984	-1.3	T__	0.6	0.16	---	15133296	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
2018/11/28	20:44:46.20			48.0100	16.3900				6.0A		26					a	ke PRU	15112905	ISC			360
2018/11/28	20:44:45.69	0.16	1.90	47.9330	16.3950	0.9	0.9	130	13.2F	1.7	53		2	0.24	4.44	a	ke VIE	15112901	ISC			360
2018/11/28	20:44:45.94	0.83	1.21	47.9307	16.3865	2.1	2.0	79	13.0F	5.6	119	65	21	0.03	4.45	m	ke BUD	15133317	iLoc			33

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

Magnitude	Err	Nsta	Author	OrigID
mb	2.4		VIE	15112901
ml	2.5		VIE	15112901
M	2.5	31	BUD	15133317

Sta	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	0.03	12.1	Pg	20:44:48.034	-0.4					T__						15133319	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A004A	0.03	12.1	Lg	20:44:50.226	-0.1					T__						15133320	FDSN	Z3	00	BUD	iLoc	HHN	???	_
RONA	0.24	194.8	Pg	20:44:51.002	-0.5					T__	125.2	0.06				15133321	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.24	194.8	Lg	20:44:54.867	-0.7					T__	72.2	0.06				15133322	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	0.27	154.9	Pg	20:44:51.188	-0.8					T__						15133323	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	0.27	154.9	Lg	20:44:55.200	-1.1					T__						15133324	FDSN	HU	--	BUD	iLoc	BHN	???	_
CONA	0.35	269.8	Pg	20:44:52.776	-0.7					T__						15133325	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.35	269.8	Lg	20:44:58.935	-0.1					T__						15133326	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	0.35	269.8	Pg	20:44:52.991	-0.5					T__	61.1	0.12				15133327	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.35	269.8	Lg	20:44:58.815	-0.2					T__	25.8	0.12				15133328	FDSN	IR	--	ISC	iLoc	???	???	_
A002B	0.45	17.8	Pg	20:44:55.758	0.6					T__						15133329	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A002B	0.45	17.8	Lg	20:45:03.593	1.9					T__						15133330	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A005B	0.46	344.7	Pg	20:44:55.145	0.0					T__						15133331	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A005B	0.46	344.7	Lg	20:45:01.998	0.3					T__						15133332	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A003A	0.48	110.7	Pg	20:44:55.540	-0.4					T__						15133333	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.48	110.7	Lg	20:45:02.057	-0.8					T__						15133334	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A011B	0.60	209.1	Pg	20:44:57.545	-0.4					T__						15133335	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A011B	0.60	209.1	Lg	20:45:06.354	-0.2					T__						15133336	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A012A	0.63	239.1	Pg	20:44:58.485	-0.3					T__						15133337	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A012A	0.63	239.1	Lg	20:45:07.854	-0.1					T__						15133338	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A008A	0.66	312.0	Pg	20:44:58.331	-0.4					T__						15133339	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A008A	0.66	312.0	Lg	20:45:07.098	-0.8					T__						15133340	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A013A	0.67	281.8	Pg	20:44:58.960	-0.2					T__						15133341	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A013A	0.67	281.8	Lg	20:45:07.878	-0.7					T__						15133342	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A260A	0.68	161.4	Pg	20:44:59.313	-0.4					T__						15133343	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A260A	0.68	161.4	Lg	20:45:09.178	-0.3					T__						15133344	FDSN	Z3	00	BUD	iLoc	HHE	???	_

MODS	0.74	53.1	Pg	20:44:59.211	-1.7	T__	---	15133345	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.74	53.1	Lg	20:45:09.799	-1.4	T__	---	15133346	FDSN	SK	--	BUD	iLoc	HHE	???	_
A001A	0.81	9.6	Pg	20:45:01.548	-0.2	T__	---	15133347	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.81	9.6	Lg	20:45:13.013	0.2	T__	---	15133348	FDSN	Z3	00	BUD	iLoc	HH2	???	_
EGYH	0.82	128.5	Pg	20:45:02.117	-0.3	T__	---	15133349	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	0.82	128.5	Lg	20:45:13.161	-0.6	T__	---	15133350	FDSN	HU	--	BUD	iLoc	HHE	???	_
A339A	0.86	96.3	Sn	20:45:15.823	0.0	T__	---	15133351	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A010A	0.88	193.8	Pg	20:45:03.135	-0.2	T__	---	15133352	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A010A	0.88	193.8	Sn	20:45:17.583	1.2	T__	---	15133353	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARSA	0.90	221.0	Pn	20:45:02.890	-0.3	T__	4.0 0.08	15133354	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	0.90	221.0	Pn	20:45:02.785	-0.4	T__	---	15133355	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	0.90	221.0	Lg	20:45:15.347	-0.4	T__	---	15133356	FDSN	OE	--	BUD	iLoc	BHE	???	_
A018A	0.90	258.5	Pn	20:45:03.171	-0.2	T__	---	15133357	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A018A	0.90	258.5	Lg	20:45:16.038	-0.0	T__	---	15133358	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A333A	0.92	31.1	Sn	20:45:19.274	2.1	T__	---	15133359	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A337A	0.99	71.0	Pg	20:45:05.083	-0.5	T__	---	15133360	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.99	71.0	Sn	20:45:19.975	1.1	T__	---	15133361	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A019A	1.00	241.6	Pn	20:45:05.030	0.1	T__	---	15133362	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A019A	1.00	241.6	Lg	20:45:18.592	-1.0	T__	---	15133363	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A262A	1.07	174.8	Pg	20:45:07.115	0.0	T__	---	15133364	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A262A	1.07	174.8	Lg	20:45:21.995	0.0	T__	---	15133365	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	1.09	133.8	Pn	20:45:06.359	0.4	T__	---	15133366	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.09	133.8	Sn	20:45:21.557	0.0	T__	---	15133367	FDSN	HU	--	BUD	iLoc	BHE	???	_
A334A	1.09	51.5	Pn	20:45:06.177	0.1	T__	---	15133368	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KRUC	1.13	0.3	Pn	20:45:06.128	-0.4	T__	---	15133369	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	1.13	0.3	Lg	20:45:21.222	-1.3	T__	---	15133370	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A021A	1.24	198.2	Pg	20:45:09.589	-0.2	T__	---	15133371	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	1.26	42.2	Pg	20:45:09.792	-0.9	T__	---	15133372	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	1.26	42.2	Sn	20:45:25.864	-0.1	T__	---	15133373	FDSN	CZ	--	BUD	iLoc	BHE	???	_
SR0	1.30	94.5	Pn	20:45:08.802	-0.0	T__	---	15133374	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A338A	1.32	85.6	Pg	20:45:11.356	-0.7	T__	---	15133375	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	1.32	85.6	Lg	20:45:30.118	0.2	T__	---	15133376	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A269A	1.38	101.5	Pn	20:45:10.145	0.3	T__	---	15133377	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A269A	1.38	101.5	Sn	20:45:28.116	-0.2	T__	---	15133378	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VRAC	1.39	5.6	Pn	20:45:09.998	-0.0	T__	---	15133379	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.39	5.6	Sn	20:45:27.664	-0.8	T__	---	15133380	FDSN	CZ	--	BUD	iLoc	BHE	???	_
CSKK	1.39	113.4	Pn	20:45:10.332	0.2	T__	---	15133381	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	1.39	113.4	Sn	20:45:28.628	-0.1	T__	---	15133382	FDSN	HU	--	BUD	iLoc	HHE	???	_
A335A	1.40	67.7	Pn	20:45:11.503	1.2	T__	---	15133383	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	1.40	67.7	Sn	20:45:29.618	0.8	T__	---	15133384	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MOA	1.43	267.5	Pg	20:45:12.243	-1.3	T__	---	15133385	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	1.43	267.5	Lg	20:45:32.492	-0.4	T__	8.1 0.16	15133386	FDSN	IR	--	ISC	iLoc	???	???	_
A263A	1.44	153.6	Lg	20:45:33.667	-0.3	T__	---	15133387	FDSN	Z3	00	BUD	iLoc	HHE	???	_
TREC	1.49	336.7	Pn	20:45:11.374	-0.1	T__	---	15133388	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
TREC	1.49	336.7	Pn	20:45:11.900	0.4	T__	---	15133389	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.49	336.7	Sn	20:45:30.300	-1.0	T__	27.0 0.20	15133390	FDSN	IR	--	ISC	iLoc	???	???	_
TREC	1.49	336.7	Sn	20:45:30.833	-0.5	T__	---	15133391	FDSN	CZ	--	BUD	iLoc	BHE	???	_
SOKA	1.56	216.8	Pg	20:45:14.258	-1.5	T__	2.4 0.26	15133392	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.56	216.8	Sn	20:45:34.431	1.3	T__	4.2 0.32	15133393	FDSN	IR	--	ISC	iLoc	???	???	_
A332A	1.64	57.0	Pg	20:45:16.983	-0.9	T__	---	15133394	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	1.64	57.0	Sn	20:45:34.379	-0.2	T__	---	15133395	FDSN	Z3	00	BUD	iLoc	HHE	???	_
CKRC	1.65	303.5	Pg	20:45:15.707	-1.3	T__	---	15133396	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
CKRC	1.65	303.5	Sn	20:45:36.735	1.4	T__	---	15133397	FDSN	CZ	--	BUD	iLoc	BHE	???	_

CKRC	1.65	303.5	Pg	20:45:15.600	-1.4	T__									15133398	FDSN	IR	--	ISC	iLoc	???	???	_
CKRC	1.65	303.5	Sn	20:45:36.600	1.3	T__									15133399	FDSN	IR	--	ISC	iLoc	???	???	_
A331A	1.72	44.3	Sn	20:45:38.107	1.3	T__									15133400	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A267A	1.73	123.9	Pn	20:45:15.631	0.9	T__									15133401	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A267A	1.73	123.9	Sn	20:45:37.795	0.8	T__									15133402	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VYHS	1.73	70.1	Pn	20:45:14.228	-0.7	T__									15133403	FDSN	SK	--	BUD	iLoc	HHZ	???	_
BIOA	1.87	263.6	Pn	20:45:18.599	1.7	T__									15133404	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	1.87	263.6	Lg	20:45:44.523	-2.5	T__									15133405	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.90	222.0	Pg	20:45:19.829	-2.2	T__									15133406	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	2.00	22.0	Pn	20:45:18.837	0.1	T__									15133407	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	2.00	22.0	Sn	20:45:42.771	-1.1	T__									15133408	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ZVC	2.10	316.9	Sn	20:45:49.100	3.0	T__									15133409	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.18	146.9	Pn	20:45:22.013	0.7	T__									15133410	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	2.18	146.9	Sn	20:45:46.371	-2.1	T__									15133411	FDSN	HU	--	BUD	iLoc	BHE	???	_
CRES	2.20	197.2	Pn	20:45:24.199	2.6	T__									15133412	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KHC	2.22	303.8	Pg	20:45:24.800	-3.1	T__									15133413	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.22	303.8	Pb	20:45:29.000	1.1	T__									15133414	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.22	303.8	Lg	20:45:54.200	-2.5	T__									15133415	FDSN	IR	--	ISC	iLoc	???	???	_
OKC	2.23	30.7	Sn	20:45:48.318	-1.1	T__									15133416	FDSN	CZ	--	BUD	iLoc	BHN	???	_
GOPC	2.25	332.6	Lg	20:45:55.900	-1.1	T__									15133417	FDSN	IR	--	ISC	iLoc	???	???	_
MYKA	2.28	236.2	Pg	20:45:30.296	1.2	T__									15133418	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	2.31	137.2	Pn	20:45:22.926	0.0	T__									15133419	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	2.31	137.2	Sn	20:45:49.110	-2.1	T__									15133420	FDSN	HU	--	BUD	iLoc	BHN	???	_
PRU	2.39	330.1	Pn	20:45:27.053	3.2	T__									15133421	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
PRU	2.39	330.1	Lg	20:45:59.800	-1.6	T__									15133422	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.42	359.0	Pg	20:45:29.000	-1.2	T__									15133423	FDSN	IR	--	ISC	iLoc	???	???	_
DPC	2.42	359.0	Lg	20:46:01.900	0.6	T__									15133424	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	2.56	259.9	Pn	20:45:30.700	4.0	T__									15133425	FDSN	IR	--	ISC	iLoc	???	???	_
LESA	2.56	259.9	Lg	20:46:07.505	-1.6	T__									15133426	FDSN	IR	--	ISC	iLoc	???	???	_
UPC	2.59	354.7	Pg	20:45:32.200	-1.0	T__									15133427	FDSN	IR	--	ISC	iLoc	???	???	_
UPC	2.59	354.7	Lg	20:46:06.900	0.7	T__									15133428	FDSN	IR	--	ISC	iLoc	???	???	_
CHVC	2.67	355.5	Pg	20:45:33.100	-1.5	T__									15133429	FDSN	IR	--	ISC	iLoc	???	???	_
CHVC	2.67	355.5	Lg	20:46:09.400	0.7	T__									15133430	FDSN	IR	--	ISC	iLoc	???	???	_
ABTA	2.89	247.2	Pg	20:45:39.474	-1.3	T__									15133431	FDSN	IR	--	ISC	iLoc	???	???	_
WTTA	3.28	260.0	Pg	20:45:47.769	-1.5	T__									15133432	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.35	332.5	Lg	20:46:30.350	-1.3	T__									15133433	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.35	332.5	x	20:46:33.610	-99.0	---									15133434	FDSN	IR	--	ISC	iLoc	???	???	_
NKC	3.47	313.1	Lg	20:46:34.600	-1.7	T__									15133435	FDSN	IR	--	ISC	iLoc	???	???	_
MOTA	3.62	262.6	Pg	20:45:53.646	-1.9	T__									15133436	FDSN	IR	--	ISC	iLoc	???	???	_
MOTA	3.62	262.6	Lg	20:46:41.647	-1.1	T__									15133437	FDSN	IR	--	ISC	iLoc	???	???	_
DAVA	4.45	264.1	Pg	20:46:09.300	-2.4	T__									15133438	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
 2018/11/29 08:45:37.88 1.49 1.02 48.6279 18.6620 9.3 4.6 37 0.0S 9 5 171 0.18 1.36 m kx BUD 15133297 iLoc 209

(description : known quarry blast)
 (locality : Kamenec-pod-Vtacnikom Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.5 4 BUD 15133297

Sta 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	0.18	139.1	Pg	08:45:41.412	-0.2	T__	---	15133299	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.18	139.1	Lg	08:45:44.567	0.1	T__	---	15133300	FDSN	SK	--	BUD	iLoc	HHN	???	_
A335A	0.28	230.2	Pg	08:45:42.273	-1.5	T__	---	15133301	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.28	230.2	Lg	08:45:49.691	1.5	T__	---	15133302	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.45	150.3	Pg	08:45:46.793	-0.3	T__	---	15133303	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.45	150.3	Lg	08:45:54.497	0.6	T__	---	15133304	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.70	289.8	Pg	08:45:52.048	0.1	T__	---	15133305	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.70	289.8	Lg	08:46:03.295	1.0	T__	---	15133306	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	1.36	327.9	Lg	08:46:21.717	-0.3	T__	---	15133307	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
2018/11/29	09:36:14.68	1.87	1.29	46.9429	22.8383	14.7	6.8	144	14.6F	13.2	9	5	195	0.17	1.75	m	ke	BUD	15133511	iLoc		311

Magnitude	Err	Nsta	Author	OrigID
M	1.9	4	BUD	15133511

Sta	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	210.0	Pg	09:36:20.095	0.8					T__	---					15133513	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.17	210.0	Lg	09:36:22.436	-0.7					T__	---					15133514	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.06	230.5	Pg	09:36:37.065	1.1					T__	---					15133515	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.06	230.5	Lg	09:36:50.806	-1.0					T__	---					15133516	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.55	181.6	Pg	09:36:45.540	1.2					T__	---					15133517	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.55	181.6	Lg	09:37:05.693	-0.8					T__	---					15133518	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	1.56	212.5	Pg	09:36:45.133	0.1					T__	---					15133519	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	1.56	212.5	Lg	09:37:06.101	-1.2					T__	---					15133520	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	1.75	65.6	Lg	09:37:12.791	-1.1					T__	---					15133521	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
2018/11/29	09:38:08.43	1.48	0.69	47.3383	18.4324	8.2	6.6	118	0.0S		7	6	113	0.12	1.19	m	kx	BUD	15133308	iLoc		223

(locality : Gánt Hungary)

(description : known quarry blast)

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	282.2	Pg	09:38:11.628	0.2					T__	---					15133310	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.12	282.2	Lg	09:38:13.358	-0.6					T__	---					15133311	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.30	353.6	Lg	09:38:20.818	0.9					T__	---					15133312	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	0.97	22.9	Lg	09:38:41.623	-0.9					T__	---					15133313	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MORH	1.13	172.5	Lg	09:38:48.065	0.1					T__	---					15133314	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.15	59.1	Lg	09:38:49.338	-0.0					T__	---					15133315	FDSN	GE	--	BUD	iLoc	BHE	???	_
VYHS	1.19	13.1	Sn	09:38:49.083	-0.1					T__	---					15133316	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
2018/11/29	10:00:05.22	0.38	0.44	48.3999	17.2957	3.2	2.2	130	0.0F	0.0	10	2		0.97	1.07	a	sx	VIE	15113015	ISC		360
2018/11/29	10:00:03.98	1.17	0.32	48.3764	17.3338	5.4	4.3	136	0.0S		15	8	73	0.04	1.08	m	kx	BUD	15133439	iLoc		142

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

Magnitude	Err	Nsta	Author	OrigID
mb	1.6		VIE	15113015
ml	1.6		VIE	15113015
M	2.1	4	BUD	15133439

Sta	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	264.9	Pg	10:00:05.348	-0.1					T__						15133441	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.04	264.9	Lg	10:00:06.798	0.1					T__						15133442	FDSN	SK	--	BUD	iLoc	HHN	???	_
JAVC	0.53	24.7	Pg	10:00:14.610	-0.3					T__						15133443	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.53	24.7	Lg	10:00:22.803	-0.3					T__						15133444	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A335A	0.67	83.6	Pg	10:00:17.901	0.4					T__						15133445	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KRUC	0.93	318.2	Pg	10:00:21.659	0.1					T__						15133446	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.93	318.2	Lg	10:00:35.094	0.4					T__						15133447	FDSN	CZ	--	BUD	iLoc	BHN	???	_
RONA	0.97	226.2	Pg	10:00:23.524	0.1					T__		1.1	0.10			15133448	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.97	226.2	Lg	10:00:38.068	0.4					T__		3.6	0.22			15133449	FDSN	IR	--	ISC	iLoc	???	???	_
A268A	1.03	157.0	Lg	10:00:39.323	-0.2					T__						15133450	FDSN	Z3	00	BUD	iLoc	HHN	???	_
VRAC	1.05	332.6	Pg	10:00:24.050	0.3					T__						15133451	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.05	332.6	Lg	10:00:38.554	0.1					T__						15133452	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CONA	1.08	246.1	Lg	10:00:40.895	-0.5					T__						15133453	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.08	246.1	Pn	10:00:25.636	-0.1					T__		0.2	0.08			15133454	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.08	246.1	Lg	10:00:41.157	-0.3					T__		3.5	0.34			15133455	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
2018/11/29	10:14:09.31	1.74	1.18	45.8584	18.4328	15.3	5.6	121	0.0S		5	3	202	0.33	0.59	m	kx BUD	15133456	iLoc			292
2018/11/29	10:14:08.85f		1.66	45.7928	18.4423f				0.0S		5		211	0.38	0.55	m	kx BUD_GT	15137262	BUD			302

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.4	0.7	2 BUD	15137262

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.38	321.2	Lg	10:14:22.333	-1.1					T__						15138924	FDSN	HU	--	BUD	BUD	BHZ	???	_
MORH	0.45	18.3	Pg	10:14:17.345	-0.9					T__		3.6			MLv	15138925	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	18.3	Lg	10:14:24.368	-1.2					T__						15138926	FDSN	HU	--	BUD	BUD	BHZ	???	_
A252A	0.55	229.6	Pg	10:14:20.584	0.4					T__		12.4			MLv	15138927	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.55	229.6	Lg	10:14:31.940	3.2					T__						15138928	FDSN	Z3	--	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
2018/11/29	10:38:15.95	1.18	0.66	48.5524	20.7742	7.6	4.9	177	0.0S		13	7	109	0.20	1.79	m	kx BUD	15133471	iLoc			203

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

Magnitude	Err	Nsta	Author	OrigID
M	2.0	5	BUD	15133471

Sta	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	250.3	Pg	10:38:20.254	0.0					T__						15133473	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	250.3	Lg	10:38:23.921	0.4					T__						15133474	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.20	250.3	Lg	10:38:24.400	0.8					T__		0.9				15133475	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.40	129.4	Pg	10:38:24.831	0.6					T__						15133476	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	129.4	Lg	10:38:30.764	-0.4					T__						15133477	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.87	223.2	Pg	10:38:34.043	-0.1					T__						15133478	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	223.2	Lg	10:38:47.659	0.0					T__						15133479	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.92	19.5	Pg	10:38:33.000	0.1					T__		0.1				15133480	FDSN	IR	--	ISC	iLoc	???	???	_
A336A	1.23	255.6	Pg	10:38:40.897	0.4					T__						15133481	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.23	255.6	Lg	10:38:58.998	0.5					T__						15133482	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.29	268.1	Pn	10:38:40.529	0.1					T__						15133483	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	268.1	Sn	10:38:58.227	-1.6					T__						15133484	FDSN	SK	--	BUD	iLoc	HHN	???	_
A331A	1.79	290.5	Sn	10:39:12.292	-0.2					T__						15133485	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
2018/11/30	10:31:08.87	1.26	0.65	47.2288	18.3444	6.6	4.9	76	0.0S		10	7	112	0.15	1.31	m	kx	BUD	15133486	iLoc		153
2018/11/30	10:31:09.37f		0.82	47.2302	18.2835f				0.0S		10		108	0.13	1.32	m	kx	BUD_GT	15136273	BUD		149

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

Magnitude	Err	Nsta	Author	OrigID	
ML	1.6	0.1	3	BUD	15133486
ML	1.6	0.1	3	BUD	15136273

Sta	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	10:31:12.545	-0.1					T__		309.7			MLv	15138929	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.13	353.4	Lg	10:31:14.682	-0.7					T__						15138930	FDSN	HU	--	BUD	BUD	HHN	???	_
A268A	0.32	309.6	Lg	10:31:23.063	1.6					T__						15138931	FDSN	Z3	00	BUD	BUD	HHN	???	_
MPLH	0.51	263.5	Pg	10:31:19.822	-0.2					T__		6.5			MLv	15138932	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MPLH	0.51	263.5	Lg	10:31:29.033	1.1					T__						15138933	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	1.04	166.1	Pn	10:31:30.204	0.0					T__		2.8			MLv	15138934	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	1.04	166.1	Lg	10:31:44.555	-1.4					T__						15138935	FDSN	HU	--	BUD	BUD	BHN	???	_
KOVH	1.15	186.4	Sn	10:31:48.779	-0.7					T__						15138936	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	1.29	57.1	Sn	10:31:52.697	-0.4					T__						15138937	FDSN	GE	--	BUD	BUD	BHE	???	_
VYHS	1.32	16.2	Lg	10:31:54.478	-0.2					T__						15138938	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
2018/11/30	10:43:02.83	1.46	1.01	45.6005	17.3533	6.5	5.8	116	9.7F	11.0	15	9	91	0.39	1.35	m	ke	BUD	15133522	iLoc		165

Magnitude	Err	Nsta	Author	OrigID
M	1.9	7	BUD	15133522

Sta	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	0.39	115.2	Pg	10:43:10.319	-0.6	T__	---	15133524	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	0.39	115.2	Lg	10:43:16.365	-0.7	T__	---	15133525	FDSN	Z3	--	BUD	iLoc	BHN	???	_
A273A	0.45	45.6	Pg	10:43:12.279	0.1	T__	---	15133526	FDSN	Z3	--	BUD	iLoc	HHZ	???	_
A273A	0.45	45.6	Lg	10:43:21.574	2.3	T__	---	15133527	FDSN	Z3	--	BUD	iLoc	HHN	???	_
KOVH	0.71	46.7	Pg	10:43:17.753	0.4	T__	---	15133528	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.71	46.7	Sn	10:43:29.119	-1.0	T__	---	15133529	FDSN	HU	--	BUD	iLoc	BHN	???	_
BLY	0.82	188.6	Pn	10:43:20.190	0.4	T__	---	15133530	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BLY	0.82	188.6	Sn	10:43:33.837	1.0	T__	---	15133531	FDSN	MN	--	BUD	iLoc	BHZ	???	_
BEHE	0.96	335.4	Pn	10:43:21.893	0.1	T__	---	15133532	FDSN	HU	--	BUD	iLoc	BHZ	???	_
PTJ	1.02	288.1	Pn	10:43:21.906	-0.6	T__	---	15133533	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	1.02	288.1	Lg	10:43:36.454	-0.6	T__	---	15133534	FDSN	CR	--	BUD	iLoc	BHN	???	_
MORH	1.09	55.2	Pn	10:43:23.622	0.4	T__	---	15133535	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.09	55.2	Sn	10:43:38.730	-0.4	T__	---	15133536	FDSN	HU	--	BUD	iLoc	BHE	???	_
A266A	1.12	34.1	Pn	10:43:22.685	-1.1	T__	---	15133537	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
CRES	1.35	280.3	Pn	10:43:27.528	0.4	T__	---	15133538	FDSN	SL	--	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
 2018/11/30 11:01:35.06 1.65 0.44 48.5434 20.7437 16.8 5.5 6 0.0S 9 5 218 0.18 1.60 m sx BUD 15133539 iLoc 314
 (description : suspected quarry blast)
 (locality : Dvorniky-Vcelare Slovakia)

Magnitude Err Nsta Author OrigID
 M 1.7 4 BUD 15133539

Sta	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	250.7	Pg	11:01:38.901	-0.0					T__	---				15133541	FDSN	SK	--	BUD	iLoc	EHE	???	_	
KECS	0.18	250.7	Lg	11:01:42.073	0.2					T__	---				15133542	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.41	126.7	Pg	11:01:43.263	-0.2					T__	---				15133543	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ABAH	0.41	126.7	Lg	11:01:50.990	0.4					T__	---				15133544	FDSN	HU	--	BUD	iLoc	HHE	???	_	
PSZ	0.84	222.6	Pg	11:01:53.047	0.2					T__	---				15133545	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.84	222.6	Lg	11:02:05.686	-0.3					T__	---				15133546	FDSN	GE	--	BUD	iLoc	BHN	???	_	
VYHS	1.27	268.5	Pn	11:01:59.536	0.3					T__	---				15133547	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
VYHS	1.27	268.5	Sn	11:02:17.532	-0.8					T__	---				15133548	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A335A	1.60	267.4	Sn	11:02:26.726	0.1					T__	---				15133549	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
 2018/12/01 09:38:54.88 1.28 0.76 47.5228 18.6610 8.0 5.7 141 0.0S 8 7 96 0.25 1.49 m sx BUD 15133550 iLoc 140
 (locality : Mány Hungary)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 MLv 1.4 0.0 1 BUD 15133550

Sta	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	0.25	98.9	Lg	09:39:04.817	-0.2					T__	---				15133552	FDSN	HU	--	BUD	iLoc	BHN	???	_	
CSKK	0.32	239.7	Lg	09:39:06.191	-0.7					T__	---				15133553	FDSN	HU	--	BUD	iLoc	HHE	???	_	
MPLH	0.84	245.6	Sn	09:39:26.631	-0.6					T__	---				15133554	FDSN	HU	--	BUD	iLoc	BHN	???	_	
PSZ	0.92	64.1	Sn	09:39:28.842	-0.8					T__	---				15133555	FDSN	GE	--	BUD	iLoc	BHE	???	_	

VYHS	0.98	6.8	Pn	09:39:15.668	0.8	T__	1.9	2.5	___	MLv	1.4	15133556	FDSN	SK	--	BUD	iLoc	HHZ	HHZ	_
VYHS	0.98	6.8	Lg	09:39:28.307	-0.8	T__			---			15133557	FDSN	SK	--	BUD	iLoc	HHN	???	_
MODS	1.26	313.0	Sn	09:39:37.991	0.4	T__			---			15133558	FDSN	SK	--	BUD	iLoc	HHE	???	_
KOVH	1.49	195.2	Lg	09:39:46.224	0.2	T__			---			15133559	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
2018/12/03	08:29:23.62	0.14	0.37	45.9563	22.7082	1.1	1.0	114	3.4F	2.1	20	85	0.15	1.72	a	ke	BUC	15113037	ISC			360
2018/12/03	08:29:22.63	0.95	0.72	45.9926	22.6822	3.9	3.3	116	0.0S		35	11	69	0.18	1.75	m	sx	BUD	15133564	iLoc		118

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
ml	1.4		BUC	15113037
M	1.8	5	BUD	15133564

Sta	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	125.0	Pg	08:29:26.256	0.1					T__						15133566	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.18	125.0	Lg	08:29:29.055	0.2					T__						15133567	FDSN	RO	--	BUD	iLoc	BHN	???	_
SURR	0.46	238.7	Pg	08:29:32.129	0.5					T__						15133568	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.46	238.7	Pg	08:29:32.129	0.5					T__						15133569	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.46	238.7	Lg	08:29:38.585	0.3					T__						15133570	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.60	173.7	Pg	08:29:34.297	-0.0					T__						15133571	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.60	173.7	Pg	08:29:34.471	0.2					T__						15133572	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.60	173.7	Pg	08:29:34.471	0.2					T__		0.1				15133573	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.60	173.7	Lg	08:29:42.643	-0.4					T__						15133574	FDSN	RO	--	BUD	iLoc	BHN	???	_
MARR	0.75	23.7	Pg	08:29:38.123	0.4					T__						15133575	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.75	23.7	Pg	08:29:38.123	0.4					T__						15133576	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.75	23.7	Lg	08:29:49.278	-0.6					T__						15133577	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.76	291.5	Pg	08:29:39.188	0.8					T__						15133579	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.76	291.5	Pg	08:29:39.188	0.8					T__						15133578	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.76	291.5	Lg	08:29:50.310	-0.0					T__						15133580	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.80	1.4	Pn	08:29:40.512	0.1					T__						15133581	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.80	1.4	Pn	08:29:40.512	0.1					T__						15133582	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.80	1.4	Lg	08:29:50.534	-1.5					T__						15133583	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.80	1.4	Pn	08:29:41.066	0.7					T__						15133584	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.80	1.4	Lg	08:29:50.022	-2.0					T__						15133585	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.82	243.2	Pg	08:29:38.725	-0.1					T__						15133586	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.82	243.2	Lg	08:29:49.055	-1.7					T__						15133587	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.83	243.6	Pg	08:29:39.347	0.3					T__						15133588	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.83	243.6	Pg	08:29:39.347	0.3					T__						15133589	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.83	243.6	Lg	08:29:50.271	-1.0					T__						15133590	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.96	41.0	Pn	08:29:43.661	0.9					T__						15133591	FDSN	RO	--	BUD	iLoc	BHZ	???	_
HERR	1.13	189.7	Pn	08:29:44.726	0.1					T__						15133592	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.13	189.7	Pn	08:29:44.726	0.1					T__						15133593	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.13	189.7	Lg	08:29:59.926	0.1					T__						15133594	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.39	209.8	Pg	08:29:49.406	-0.4					T__						15133595	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.39	209.8	Pg	08:29:49.406	-0.4					T__						15133596	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.39	209.8	Sn	08:30:08.989	0.2					T__						15133597	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.75	107.7	Pn	08:29:54.828	0.8					T__						15133598	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.75	107.7	Pn	08:29:54.828	0.8					T__						15133599	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.75	107.7	Sn	08:30:17.796	-0.8					T__						15133600	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
2018/12/03	10:15:06.65	1.31	0.65	47.8350	19.1526	4.9	3.6	178	0.0S	20	10	113	0.09	1.10	m	kx	BUD	15133601	iLoc			164
2018/12/03	10:15:06.85f		0.64	47.8355	19.1270f				0.0S	20		110	0.07	1.12	m	kx	BUD_GT	15137265	BUD			163

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	7	BUD	15137265

Sta	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	10:15:09.462	0.7					T__						15138939	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.07	277.6	Lg	10:15:10.473	0.1					T__						15138940	FDSN	Z3	00	BUD	BUD	HHN	???	_
BUD	0.36	191.2	Lg	10:15:20.315	-0.4					T__						15138941	FDSN	HU	--	BUD	BUD	BHE	???	_
A336A	0.41	347.9	Pg	10:15:16.060	0.8					T__						15138942	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.41	347.9	Lg	10:15:21.501	0.1					T__						15138943	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	10:15:17.400	-0.8					T__		0.1				15138946	FDSN	IR	--	ISC	BUD	???	???	_
PSZ	0.52	80.6	Pg	10:15:17.720	-0.5					T__						15138944	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.52	80.6	Lg	10:15:25.608	-1.2					T__						15138945	FDSN	GE	--	BUD	BUD	BHN	???	_
PSZ	0.52	80.6	Lg	10:15:26.500	-0.3					T__		0.1				15138947	FDSN	IR	--	ISC	BUD	???	???	_
A269A	0.54	248.9	Lg	10:15:27.051	0.8					T__						15138948	FDSN	Z3	00	BUD	BUD	HHN	???	_
A338A	0.55	289.3	Pg	10:15:18.758	0.6					T__						15138949	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A338A	0.55	289.3	Lg	10:15:26.200	-0.3					T__						15138950	FDSN	Z3	00	BUD	BUD	HH3	???	_
VYHS	0.69	343.6	Pg	10:15:20.100	-0.7					T__		0.0				15138951	FDSN	IR	--	ISC	BUD	???	???	_
VYHS	0.69	343.6	Pg	10:15:21.231	0.5					T__						15138953	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.69	343.6	Lg	10:15:30.188	-0.8					T__						15138954	FDSN	SK	--	BUD	BUD	HHN	???	_
VYHS	0.69	343.6	Lg	10:15:30.300	-0.7					T__		0.0				15138952	FDSN	IR	--	ISC	BUD	???	???	_
A335A	0.81	319.4	Pg	10:15:23.734	0.6					T__						15138955	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A335A	0.81	319.4	Lg	10:15:34.533	-0.6					T__						15138956	FDSN	Z3	00	BUD	BUD	HHN	???	_
A268A	0.91	244.0	Lg	10:15:37.778	-0.8					T__						15138957	FDSN	Z3	00	BUD	BUD	HHN	???	_
KECS	1.12	54.0	Pg	10:15:29.170	0.2					T__						15138958	FDSN	SK	--	BUD	BUD	EHN	???	_
STHS	2.12	40.8	Pn	10:15:25.000	-18.1					---		0.1				15138959	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
2018/12/03	10:30:18.00	1.11	0.66	47.3558	18.3852	6.6	5.6	110	0.0S	9	7	110	0.08	1.28	m	kx	BUD	15133624	iLoc			130

(GT info : GT5 identified by Bondár and McLaughlin (2009) selection criteria)
(locality : Gánt Hungary)
(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.8	4	BUD	15133624

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.08	275.1	Pg	10:30:20.526	0.2					T__						15133626	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.08	275.1	Lg	10:30:22.002	-0.3					T__						15133627	FDSN	HU	--	BUD	iLoc	HHN	???	_
A269A	0.28	359.6	Lg	10:30:29.799	0.9					T__						15133628	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A270A	0.65	41.0	Pg	10:30:30.924	-0.6					T__						15133629	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
EGYH	0.72	275.2	Lg	10:30:43.274	-0.4					T__						15133630	FDSN	HU	--	BUD	iLoc	HHN	???	_

MORH	1.15	171.0	Pg	10:30:41.544	0.5	T__	---	15133631	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.15	171.0	Sn	10:30:57.167	-0.7	T__	---	15133632	FDSN	HU	--	BUD	iLoc	BHE	???	_
PSZ	1.17	60.6	Pn	10:30:41.188	0.4	T__	---	15133633	FDSN	GE	--	BUD	iLoc	BHZ	???	_
KOVH	1.28	188.9	Lg	10:31:02.256	-0.3	T__	---	15133634	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
2018/12/03	11:25:11.87	1.71	0.68	48.2903	19.7866	9.1	8.0	43	0.0S	4	3	139	0.38	0.67	m	kx	BUD	15133635	iLoc		258	
(description : known quarry blast)																						
(locality : Husina Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.5	3 BUD	15133635

Sta	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	169.0	Pg	11:25:20.633	0.4				T__	2.4	10.5			---	MLv	1.4	15133637	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.38	169.0	Lg	11:25:26.078	-0.6				T__					---		15133638	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.4 1																									
KECS	0.50	67.2	Pg	11:25:22.160	0.1				T__	2.9	10.7			---	MLv	1.7	15133639	FDSN	SK	--	BUD	iLoc	EHN	EHZ	_
(Station ML : 1.7 1																									
VVHS	0.67	288.2	Pg	11:25:25.417	0.1				T__	1.1	1.0			---	MLv	0.9	15133640	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
2018/12/03	12:15:39.99	1.21	1.07	46.8213	17.2435	7.5	3.7	72	0.0S	17	8	168	0.15	1.14	m	sx	BUD	15133654	iLoc		200	
(description : suspected quarry blast)																						
(locality : Rosia-Poieni Romania)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7		6 BUD	15133654

Sta	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	333.6	Pg	12:15:43.959	0.3				T__					---		15133656	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.15	333.6	Lg	12:15:46.383	-0.1				T__					---		15133657	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A263A	0.19	164.8	Pg	12:15:44.866	0.5				T__					---		15133658	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.19	164.8	Lg	12:15:48.967	1.1				T__					---		15133659	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.40	30.0	Pg	12:15:48.646	0.1				T__					---		15133660	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.40	30.0	Pg	12:15:49.100	0.4				T__			0.1		---		15133661	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	0.40	30.0	Lg	12:15:56.155	1.0				T__					---		15133662	FDSN	HU	--	BUD	iLoc	BHN	???	_
TIH	0.45	79.7	Lg	12:15:54.614	-2.0				T__					---		15133663	FDSN	HU	--	BUD	iLoc	HHZ	???	_
TIH	0.45	79.7	Pg	12:15:51.700	2.2				T__			0.3		---		15133664	FDSN	IR	--	ISC	iLoc	???	???	_
EGYH	0.60	5.7	Lg	12:16:00.349	-1.4				T__					---		15133665	FDSN	HU	--	BUD	iLoc	HHN	???	_
CSKK	0.88	51.7	Pn	12:15:58.700	-0.1				T__			0.7		---		15133666	FDSN	IR	--	ISC	iLoc	???	???	_
CSKK	0.88	51.7	Pn	12:15:58.958	0.2				T__					---		15133667	FDSN	HU	--	BUD	iLoc	HHZ	???	_
KOVH	0.94	140.8	Pg	12:15:59.253	0.1				T__					---		15133668	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.94	140.8	Pn	12:15:59.400	-0.4				T__			0.0		---		15133669	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	0.94	140.8	Lg	12:16:12.741	-0.8				T__					---		15133670	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.14	121.5	Pg	12:16:02.982	0.2				T__					---		15133671	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.14	121.5	Lg	12:16:18.758	-1.3				T__					---		15133672	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
2018/12/04	08:20:08.11	1.22	0.40	47.1260	18.1193	7.2	6.0	77	0.0S	7	4	136	0.26	1.04	m	sx	BUD	15133673	iLoc			241

(description : suspected quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15133673

Sta	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	0.26	22.0	Pg	08:20:14.012	0.2					T__						15133675	FDSN	HU	--	BUD	iLoc	HHZ	???	_
CSKK	0.26	22.0	Lg	08:20:18.211	-0.1					T__						15133676	FDSN	HU	--	BUD	iLoc	HHN	???	_
MPLH	0.40	276.6	Pg	08:20:16.913	0.4					T__						15133677	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.40	276.6	Lg	08:20:22.740	-0.2					T__						15133678	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	0.98	158.2	Pg	08:20:28.211	0.5					T__						15133679	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	0.98	158.2	Lg	08:20:42.155	-0.3					T__						15133680	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	1.04	180.7	Pn	08:20:28.720	-0.3					T__						15133681	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	
2018/12/04	09:20:42.67	0.27	0.33	46.8448	22.8926	2.2	1.3	164	1.2F	1.8	17	175	0.14	2.05	a	ke	BUC	15113120	ISC			360	
2018/12/04	09:20:41.08	1.06	1.04	46.9209	22.8727	6.5	3.8	154	3.2F	0.5	32	10	103	0.17	2.12	m	ke	BUD	15133682	iLoc			193

Magnitude	Err	Nsta	Author	OrigID
m1	1.0		BUC	15113120
M	1.7	5	BUD	15133682

Sta	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	220.7	Pg	09:20:45.292	0.4					T__						15133684	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.17	220.7	Lg	09:20:47.837	-0.2					T__						15133685	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.17	220.7	Lg	09:20:47.564	-0.5					T__		0.1				15133686	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	145.3	Pg	09:20:46.821	-0.5					T__						15133687	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	145.3	Pg	09:20:46.821	-0.5					T__						15133688	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.30	145.3	Lg	09:20:50.551	-1.9					T__						15133689	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.54	112.4	Pg	09:20:51.755	-0.1					T__						15133690	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.54	112.4	Pg	09:20:52.350	0.5					T__						15133691	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.54	112.4	Pg	09:20:52.350	0.5					T__						15133692	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.06	232.3	Pn	09:21:02.391	0.3					T__						15133693	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	1.06	232.3	Sn	09:21:17.150	-1.4					T__						15133694	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	1.06	232.4	Pn	09:21:02.197	0.2					T__						15133695	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.06	232.4	Pn	09:21:02.197	0.2					T__						15133696	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.06	232.4	Sn	09:21:16.779	-1.7					T__						15133697	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.28	204.2	Pn	09:21:05.643	0.8					T__						15133698	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.28	204.2	Pn	09:21:05.643	0.8					T__						15133699	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.28	204.2	Sn	09:21:22.953	-0.5					T__						15133700	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.53	182.5	Pg	09:21:09.962	-0.3					T__						15133701	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.53	182.5	Pg	09:21:09.962	-0.3					T__						15133702	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.53	182.5	Pg	09:21:10.432	0.1					T__						15133703	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.53	182.5	Sn	09:21:30.279	0.0					T__						15133704	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.53	182.5	Sn	09:21:30.545	0.3					T__						15133705	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.56	213.7	Pg	09:21:11.043	-0.4					T__						15133706	FDSN	RO	--	BUD	iLoc	BHZ	???	_

BZS	1.56	213.7	Sn	09:21:32.621	2.0	T__	---	15133707	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	1.57	214.2	Sn	09:21:31.639	0.8	T__	---	15133708	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.74	65.6	Pg	09:21:14.953	0.1	T__	---	15133709	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.74	65.6	Pg	09:21:14.953	0.1	T__	---	15133710	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.74	65.6	Lg	09:21:37.897	-2.6	T__	---	15133711	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	1.76	321.8	Sn	09:21:36.743	0.8	T__	---	15133712	FDSN	HU	--	BUD	iLoc	HHE	???	_
VOIR	2.12	133.7	Pn	09:21:19.158	1.7	T__	---	15133713	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.12	133.7	Pn	09:21:19.158	1.7	T__	---	15133714	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	2.12	133.7	Sn	09:21:45.984	0.2	T__	---	15133715	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
2018/12/04	09:48:22.27	0.46	0.52	48.5291	17.4674	3.7	2.0	122	0.0F	0.0	10	14	1.14	1.23	a	sx	VIE	15113170	ISC			360
2018/12/04	09:48:21.49	1.08	1.11	48.4941	17.5493	5.1	3.9	150	0.0S		22	10	132	0.14	1.26	m	sx	BUD	15133716	iLoc		190
(description : suspected quarry blast)																						
(locality : Rosia-Poieni Romania)																						

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15113170
ml	1.7		VIE	15113170
M	1.7	5	BUD	15133716

Sta	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	0.14	37.0	Pg	09:48:24.776	0.1					T__						15133718	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
MODS	0.22	236.4	Pg	09:48:25.120	-1.3					T__						15133719	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A333A	0.37	307.1	Lg	09:48:36.422	1.8					T__						15133720	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	0.37	12.4	Pg	09:48:28.518	-0.9					T__						15133721	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.37	12.4	Lg	09:48:35.203	-0.1					T__						15133722	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.37	12.4	Pg	09:48:28.400	-1.0					T__						15133723	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.37	12.4	Lg	09:48:33.700	-1.6					T__						15133724	FDSN	IR	--	ISC	iLoc	???	???	_
A335A	0.53	94.9	Pg	09:48:32.452	0.3					T__						15133725	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.53	94.9	Lg	09:48:40.424	0.4					T__						15133726	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A001A	0.68	290.6	Pg	09:48:35.779	0.9					T__						15133727	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.68	290.6	Lg	09:48:45.595	0.8					T__						15133728	FDSN	Z3	00	BUD	iLoc	HH2	???	_
KRUC	0.95	307.1	Pg	09:48:39.300	-0.2					T__						15133729	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	307.1	Lg	09:48:50.800	-2.2					T__						15133730	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.95	307.1	Pg	09:48:39.504	-0.0					T__						15133731	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.95	307.1	Lg	09:48:53.422	0.4					T__						15133732	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VRAC	1.03	322.6	Lg	09:48:55.334	0.2					T__						15133733	FDSN	CZ	--	BUD	iLoc	BHE	???	_
RONA	1.16	227.0	Pg	09:48:44.840	0.3					T__		1.4	0.30			15133734	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.16	227.0	Lg	09:48:59.587	-1.6					T__		1.9	0.24			15133735	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.26	244.0	Sn	09:49:03.039	-1.3					T__						15133736	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.26	244.0	Pg	09:48:46.182	-0.3					T__		0.4	0.18			15133737	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.26	244.0	Pb	09:48:47.900	1.4					T__		0.1				15133738	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.26	244.0	Sn	09:49:03.612	-0.8					T__		4.5	0.30			15133739	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	
2018/12/04	10:29:54.51	1.02	0.89	48.5429	20.8011	5.1	4.4	162	0.0S		14	7	94	0.22	1.24	m	kx	BUD	15133740	iLoc			128
(locality : Dvorniky-Vcelare Slovakia)																							

(description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.7 6 BUD 15133740

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KECS	0.22	254.2	Pg	10:29:58.662	-0.4					T__						15133742	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	254.2	Lg	10:30:02.841	0.3					T__						15133743	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.38	130.0	Pg	10:30:02.847	0.5					T__						15133744	FDSN	HU	--	BUD	iLoc	HHE	???	_
ABAH	0.38	130.0	Lg	10:30:09.893	0.9					T__						15133745	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.87	224.5	Pn	10:30:13.622	0.3					T__						15133746	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	224.5	Lg	10:30:26.620	0.2					T__						15133747	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.92	18.3	Pg	10:30:12.000	0.5					T__		0.1				15133748	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	0.92	18.3	Lg	10:30:25.200	-0.3					T__		0.1				15133749	FDSN	IR	--	ISC	iLoc	???	???	_
NIE	0.93	340.0	Pn	10:30:14.985	0.7					T__						15133750	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.93	340.0	Lg	10:30:25.386	-0.2					T__						15133751	FDSN	PL	--	BUD	iLoc	BHE	???	_
TRPA	1.23	108.9	Pn	10:30:18.711	0.2					T__						15133752	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.23	108.9	Sn	10:30:35.156	-2.3					T__						15133753	FDSN	HU	--	BUD	iLoc	BHN	???	_
A336A	1.24	256.2	Pg	10:30:20.219	0.9					T__						15133754	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.24	256.2	Lg	10:30:37.049	-0.5					T__						15133755	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
 2018/12/04 11:30:23.45 1.23 1.20 48.1058 18.9900 5.1 4.0 65 0.0S 14 10 104 0.13 1.18 m kx BUD 15133756 iLoc 173
 (locality : Horne-Turovce Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
M 1.7 4 BUD 15133756

Sta	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	0.13	2.7	Pg	11:30:26.665	0.4					T__						15133758	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.13	2.7	Lg	11:30:28.844	0.4					T__						15133759	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A270A	0.26	175.8	Pg	11:30:29.780	0.7					T__						15133760	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A270A	0.26	175.8	Lg	11:30:33.743	0.3					T__						15133761	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.44	258.3	Lg	11:30:39.507	0.3					T__						15133762	FDSN	Z3	00	BUD	iLoc	HH2	???	_
SRO	0.54	237.5	Lg	11:30:42.608	-0.1					T__						15133763	FDSN	SK	--	BUD	iLoc	EHE	???	_
A335A	0.55	308.2	Pg	11:30:36.689	1.9					T__						15133764	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.55	308.2	Lg	11:30:42.527	-0.5					T__						15133765	FDSN	Z3	00	BUD	iLoc	HHE	???	_
PSZ	0.64	106.8	Pg	11:30:37.875	0.8					T__						15133766	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.64	106.8	Lg	11:30:46.832	-0.4					T__						15133767	FDSN	GE	--	BUD	iLoc	BHN	???	_
A332A	0.78	333.6	Lg	11:30:51.472	1.0					T__						15133768	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A268A	0.99	227.2	Lg	11:30:57.938	0.2					T__						15133769	FDSN	Z3	00	BUD	iLoc	HHE	???	_
JAVC	1.16	311.1	Lg	11:31:01.692	-1.6					T__						15133770	FDSN	CZ	--	BUD	iLoc	BHE	???	_
MODS	1.18	283.8	Sn	11:31:01.386	-2.5					T__						15133771	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
 2018/12/05 09:02:40.43 1.52 0.06 47.8625 19.1633 12.1 5.2 172 0.0S 5 3 176 0.10 0.50 m kx BUD 15133772 iLoc 276
 2018/12/05 09:02:40.29f 0.72 47.8355 19.1270f 0.0S 5 197 0.07 0.52 m kx BUD_GT 15137268 BUD 289

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

Magnitude Err Nsta Author OrigID
 MLv 1.5 0.1 2 BUD 15137268

Sta	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	09:02:42.879	0.6					T__		90.3			MLv	15138960	FDSN	Z3	00	BUD	BUD	HHZ	HHZ	_
A270A	0.07	277.6	Lg	09:02:44.882	1.0					T__						15138961	FDSN	Z3	00	BUD	BUD	HHE	???	_
A336A	0.41	347.9	Lg	09:02:54.357	-0.5					T__						15138962	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	09:02:51.195	-0.5					T__		7.3			MLv	15138963	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	09:02:59.439	-0.8					T__						15138964	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
2018/12/05	09:49:37.56	1.66	0.32	46.1065	18.0296	10.3	6.8	147	0.0S		6	4	163	0.05	0.45	m	kx BUD	15133787	iLoc			270
2018/12/05	09:49:37.40f		0.43	46.1254	18.0152f				0.0S		6		169	0.07	0.45	m	kx BUD_GT	15136290	BUD			261

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

Magnitude Err Nsta Author OrigID
 ML 0.8 1.4 3 BUD 15133787
 ML 0.8 1.4 3 BUD 15136290

Sta	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	09:49:39.550	0.1					T__		207.3			MLv	15138965	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.07	122.2	Lg	09:49:40.868	-0.4					T__						15138966	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.25	213.6	Pg	09:49:42.866	-0.1					T__		0.6			MLv	15138967	FDSN	Z3	--	BUD	BUD	HHE	HHZ	_
A266A	0.44	23.3	Lg	09:49:54.668	0.9					T__						15138970	FDSN	Z3	00	BUD	BUD	HHE	???	_
MORH	0.45	78.1	Pg	09:49:46.705	-0.1					T__		2.1			MLv	15138968	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.45	78.1	Lg	09:49:53.597	-0.4					T__						15138969	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
2018/12/05	10:01:52.79	1.14	0.92	48.5578	20.7217	6.4	4.7	0	0.0S		12	7	105	0.17	1.26	m	kx BUD	15133808	iLoc			199

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

Magnitude Err Nsta Author OrigID
 M 1.6 6 BUD 15133808

Sta	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	244.7	Pg	10:01:56.811	0.3					T__						15133810	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.17	244.7	Lg	10:02:00.495	1.1					T__						15133811	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.43	127.0	Pg	10:02:01.534	-0.1					T__						15133812	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.43	127.0	Pg	10:02:02.700	1.1					T__		0.1				15133813	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.43	127.0	Lg	10:02:07.723	-1.3					T__						15133814	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.85	221.1	Pg	10:02:10.320	-0.3					T__						15133815	FDSN	GE	--	BUD	iLoc	BHZ	???	_

PSZ	0.85	221.1	Lg	10:02:22.316	-1.5				T__						15133816	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.90	342.8	Pn	10:02:12.835	0.8				T__						15133817	FDSN	PL	--	BUD	iLoc	BHZ	???	_
STHS	0.93	21.6	Pg	10:02:09.500	-0.4				T__	0.1					15133818	FDSN	IR	--	ISC	iLoc	???	???	_
LANS	1.02	306.1	Pg	10:02:12.575	-0.2				T__						15133819	FDSN	SK	--	BUD	iLoc	EHZ	???	_
VYHS	1.26	267.8	Pg	10:02:17.315	-0.5				T__						15133820	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.26	267.8	Sn	10:02:35.546	-0.2				T__						15133821	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
2018/12/06	09:31:38.20	1.18	0.75	48.6051	20.7750	7.6	4.9	172	0.0S		11	7	114	0.23	1.29	m	kx	BUD	15133822	iLoc		205
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15133822

Sta	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	237.7	Pg	09:31:43.405	0.5					T__						15133824	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	237.7	Lg	09:31:47.863	1.3					T__						15133825	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.44	134.8	Pg	09:31:47.542	0.4					T__						15133826	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.44	134.8	Lg	09:31:53.932	-0.7					T__						15133827	FDSN	HU	--	BUD	iLoc	HHE	???	_
STHS	0.87	20.6	Pg	09:31:54.305	0.1					T__						15133828	FDSN	SK	--	BUD	iLoc	EHZ	???	_
PSZ	0.90	220.9	Pg	09:31:57.005	-0.2					T__						15133829	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	220.9	Lg	09:32:10.441	-0.8					T__						15133830	FDSN	GE	--	BUD	iLoc	BHN	???	_
A336A	1.24	253.2	Lg	09:32:20.783	-0.3					T__						15133831	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.27	111.3	Pn	09:32:03.138	0.4					T__						15133832	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.29	265.8	Pg	09:32:04.121	0.2					T__						15133833	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	265.8	Sn	09:32:21.125	-1.0					T__						15133834	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
2018/12/07	09:41:52.58	1.65	0.64	46.1466	18.2749	15.6	4.9	152	0.0S		6	3	190	0.13	0.77	m	kx	BUD	15133835	iLoc		318
2018/12/07	09:41:52.24f		0.70	46.1765	18.2926f				0.0S		6		204	0.16	0.80	m	kx	BUD_GT	15137271	BUD		326
(description : known quarry blast)																						
(locality : Komló-II Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID	
ML	0.9	0.6	3	BUD	15133835
ML	0.9	0.6	3	BUD	15137271

Sta	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	09:41:55.493	-0.6					T__		16.0			MLv	15138971	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.16	236.7	Lg	09:41:59.412	0.2					T__						15138972	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.25	80.7	Pg	09:41:58.699	0.9					T__		2.6			MLv	15138973	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.25	80.7	Lg	09:42:02.618	0.5					T__						15138974	FDSN	HU	--	BUD	BUD	BHN	???	_
A252A	0.80	202.9	Pg	09:42:08.473	-0.1					T__		5.5			MLv	15138975	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.80	202.9	Lg	09:42:19.641	-1.2					T__						15138976	FDSN	Z3	--	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
2018/12/07	11:25:27.34	1.12	0.78	48.2042	21.2687	7.7	5.5	169	0.0S	10	5	158	0.09	0.97	m	kx	BUD	15133856	iLoc			203
2018/12/07	11:25:27.61f	0.95	0.95	48.2470	21.2460f				0.0S	10		153	0.05	0.96	m	kx	BUD_GT	15137274	BUD			198

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

Magnitude	Err	Nsta	Author	OrigID
M	1.8	4	BUD	15137274

Sta	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	11:25:30.254	1.1					T__						15138977	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	11:25:31.221	0.6					T__						15138978	FDSN	HU	--	BUD	BUD	HHN	???	_
KECS	0.56	295.3	Pg	11:25:40.279	1.4					T__						15138979	FDSN	SK	--	BUD	BUD	EHN	???	_
KECS	0.56	295.3	Lg	11:25:48.524	1.1					T__						15138980	FDSN	SK	--	BUD	BUD	EHN	???	_
HOLU	0.81	69.3	Pn	11:25:45.119	-0.7					T__						15138981	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Sn	11:25:58.935	-1.4					T__						15138982	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	11:25:46.488	-0.2					T__						15138983	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	11:25:58.498	-1.0					T__						15138984	FDSN	HU	--	BUD	BUD	BHN	???	_
PSZ	0.96	250.6	Pg	11:25:48.167	0.3					T__						15138985	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	11:26:02.162	-0.7					T__						15138986	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
2018/12/07	12:30:11.48	1.17	0.83	48.3349	19.8676	6.0	4.7	9	0.0S	10	6	99	0.42	1.03	m	kx	BUD	15133868	iLoc			184

(locality : Husina Slovakia)
(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.7	4	BUD	15133868

Sta	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	177.5	Pg	12:30:20.663	0.0					T__						15133870	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.42	177.5	Lg	12:30:27.585	0.0					T__						15133871	FDSN	GE	--	BUD	iLoc	BHN	???	_
KECS	0.44	69.9	Pg	12:30:20.053	-0.3					T__						15133872	FDSN	SK	--	BUD	iLoc	EHZ	???	_
KECS	0.44	69.9	Lg	12:30:27.788	0.7					T__						15133873	FDSN	SK	--	BUD	iLoc	EHN	???	_
VYHS	0.71	283.4	Pg	12:30:26.058	0.4					T__						15133874	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.71	283.4	Lg	12:30:34.404	-1.7					T__						15133875	FDSN	SK	--	BUD	iLoc	HHN	???	_
LANS	0.86	342.2	Pn	12:30:30.333	0.4					T__						15133876	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.86	342.2	Lg	12:30:40.765	-0.2					T__						15133877	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.92	91.9	Lg	12:30:43.615	-1.0					T__						15133878	FDSN	HU	--	BUD	iLoc	HHN	???	_
A335A	1.03	276.8	Lg	12:30:47.115	0.2					T__						15133879	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
2018/12/11	08:59:36.90	0.16	0.31	46.0345	22.8450	1.3	1.0	87	2.9F	1.9	19	94	0.15	1.65	a	ke	BUC	15113209	ISC			360
2018/12/11	08:59:36.05	0.97	0.56	46.0680	22.8052	4.1	3.3	87	0.0S	32	10	91	0.19	1.69	m	sx	BUD	15133880	iLoc			140

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

Magnitude	Err	Nsta	Author	OrigID
m1	1.3		BUC	15113209
M	1.6	5	BUD	15133880

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
DEV	0.19	160.3	Pg	08:59:39.999	0.3					T__						15133882	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.19	160.3	Lg	08:59:41.885	-0.7					T__						15133883	FDSN	RO	--	BUD	iLoc	BHE	???	_
DEV	0.20	159.6	Lg	08:59:42.687	-0.0					T__						15133884	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	236.8	Pg	08:59:47.682	0.5					T__						15133885	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	236.8	Pg	08:59:47.682	0.5					T__						15133886	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	236.8	Lg	08:59:55.841	0.4					T__						15133887	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	19.5	Pg	08:59:49.665	0.5					T__						15133888	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	19.5	Pg	08:59:49.665	0.5					T__						15133889	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	181.7	Pg	08:59:49.261	0.2					T__						15133890	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.68	181.7	Lg	08:59:58.014	-0.8					T__						15133891	FDSN	RO	--	BUD	iLoc	BHN	???	_
DRGR	0.73	354.9	Lg	09:00:02.655	-0.2					T__						15133892	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	354.9	Pg	08:59:51.399	0.6					T__						15133893	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.73	354.9	Lg	09:00:01.751	-1.1					T__						15133894	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.82	284.4	Pg	08:59:52.824	-0.1					T__						15133895	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.82	284.4	Lg	09:00:05.720	0.0					T__						15133896	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.82	284.5	Pn	08:59:53.700	-0.1					T__						15133897	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	284.5	Pn	08:59:53.700	-0.1					T__						15133898	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.82	284.5	Lg	09:00:05.268	-0.5					T__						15133899	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.93	241.5	Pn	08:59:55.593	0.5					T__						15133900	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.93	241.5	Lg	09:00:07.941	0.1					T__						15133901	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.95	241.9	Pg	08:59:54.521	-0.1					T__						15133903	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.95	241.9	Pg	08:59:54.521	-0.1					T__						15133902	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.95	241.9	Lg	09:00:07.700	-0.6					T__						15133904	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.1	Pg	08:59:59.692	0.3					T__						15133905	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.1	Pg	08:59:59.692	0.3					T__						15133906	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.1	Lg	09:00:16.460	0.3					T__						15133907	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.3	Pg	09:00:04.732	-0.6					T__						15133908	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.3	Pg	09:00:04.732	-0.6					T__						15133909	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.3	Sn	09:00:25.915	0.9					T__						15133910	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.69	111.1	Pn	09:00:07.122	0.5					T__						15133911	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.69	111.1	Pn	09:00:07.122	0.5					T__						15133912	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.69	111.1	Sn	09:00:29.203	-1.5					T__						15133913	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
2018/12/11	09:06:07.43	0.39	0.54	46.8360	22.8407	3.7	2.1	159	7.7F	2.3	10	178	0.10	1.79	a	ke	BUC	15113256	ISC			360
2018/12/11	09:06:03.17	1.22	1.58	46.9890	22.7135	8.4	3.9	140	0.0S		25	8	202	0.20	1.81	m	sx	BUD	15133914	iLoc		248

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

Magnitude	Err	Nsta	Author	OrigID
m1	1.4		BUC	15113256
ML	1.5	0.5	3 BUD	15133914

Sta	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	0.20	180.5	Pg	09:06:09.567	2.0					T__	6.3	19.9		___	MLv	1.1	15133916	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_

DRGR	0.20	180.5	Lg	09:06:12.315	1.1	T__									15133917	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.20	180.5	Pg	09:06:09.735	2.2	T__									15133918	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.20	180.5	Pg	09:06:09.735	2.2	T__				0.1					15133919	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.1 1																							
MARR	0.42	138.2	Pg	09:06:12.131	0.3	T__									15133920	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.42	138.2	Pg	09:06:12.131	0.3	T__									15133921	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.42	138.2	Lg	09:06:16.135	-2.7	T__									15133922	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.67	114.1	Lg	09:06:25.727	-1.3	T__									15133923	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.67	114.1	Lg	09:06:25.727	-1.3	T__				0.1					15133924	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.02	225.4	Pn	09:06:23.491	-0.6	T__	1.4			2.7			MLv	1.5	15133925	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	1.02	225.4	Lg	09:06:36.056	-3.5	T__									15133926	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	1.02	225.6	Sn	09:06:40.374	-0.1	T__									15133927	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	1.02	225.6	Sn	09:06:40.374	-0.1	T__									15133928	FDSN	IR	--	ISC	iLoc	???	???	_
(Station ML : 1.5 1																							
SURR	1.30	198.5	Lg	09:06:46.020	-1.0	T__									15133929	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.30	198.5	Lg	09:06:46.020	-1.0	T__									15133930	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	1.56	208.9	Sn	09:06:51.942	-1.6	T__									15133931	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	1.60	178.4	Pg	09:06:35.922	2.3	T__	1.9			4.4			MLv	2.0	15133932	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
GZR	1.60	178.4	Sn	09:06:54.893	-0.0	T__									15133933	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	178.4	Sn	09:06:54.893	-0.0	T__									15133934	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.60	178.4	Sn	09:06:55.209	0.3	T__									15133935	FDSN	RO	--	BUD	iLoc	BHN	???	_
(Station ML : 2.0 1																							
BURAR	1.81	67.9	Pg	09:06:39.891	1.5	T__									15133936	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BURAR	1.81	67.9	Lg	09:07:03.708	-0.6	T__									15133937	FDSN	RO	--	BUD	iLoc	BHN	???	_
BURAR	1.82	68.9	Pg	09:06:39.619	1.3	T__									15133939	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.82	68.9	Pg	09:06:39.619	1.3	T__									15133938	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	1.82	68.9	Sn	09:07:02.087	0.8	T__									15133940	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	
2018/12/11	09:28:31.01	1.05	0.95	48.5574	20.8255	6.4	4.5	16	0.0S		13	7	131	0.24	1.32	m	kx	BUD	15133956	iLoc		201	
(description : known quarry blast)																							
(locality : Dvorniky-Vcelare Slovakia)																							

Magnitude	Err	Nsta	Author	OrigID
M	1.5	6	BUD	15133956

Sta	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	251.9	Pg	09:28:35.811	-0.1					T__						15133958	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.24	251.9	Lg	09:28:39.900	0.1					T__						15133959	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.38	133.3	Pg	09:28:39.912	1.1					T__						15133960	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.38	133.3	Lg	09:28:44.470	-1.0					T__						15133961	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.89	224.6	Pn	09:28:50.667	0.5					T__						15133962	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	224.6	Lg	09:29:03.229	-0.4					T__						15133963	FDSN	GE	--	BUD	iLoc	BHE	???	_
NIE	0.93	338.8	Pg	09:28:49.231	0.8					T__						15133964	FDSN	PL	--	BUD	iLoc	BHZ	???	_
NIE	0.93	338.8	Lg	09:29:00.803	-1.0					T__						15133965	FDSN	PL	--	BUD	iLoc	BHE	???	_
TRPA	1.22	109.9	Pn	09:28:55.417	0.5					T__						15133966	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.22	109.9	Sn	09:29:12.029	-1.7					T__						15133967	FDSN	HU	--	BUD	iLoc	BHN	???	_
A336A	1.26	255.8	Lg	09:29:15.011	0.3					T__						15133968	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.32	268.0	Pn	09:28:56.545	0.5					T__						15133969	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.32	268.0	Sn	09:29:14.735	-1.0					T__						15133970	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
2018/12/11	09:55:05.30	0.17	0.46	46.0298	22.8145	2.0	1.1	114	6.6F	1.9	22	110	0.15	2.30	a	ke	BUC	15113293	ISC			360
2018/12/11	09:55:04.70	1.12	0.58	46.0563	22.8186	4.0	2.7	104	2.7F	9.8	42	12	69	0.18	2.27	m	ke	BUD	15133971	iLoc		116

Magnitude	Err	Nsta	Author	OrigID
m1	1.6		BUC	15113293
M	1.7	5	BUD	15133971

Sta	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	161.9	Pg	09:55:07.946	-0.2					T__						15133973	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.18	161.9	Lg	09:55:10.898	0.1					T__						15133974	FDSN	RO	--	BUD	iLoc	BHN	???	_
DEV	0.18	161.1	Pg	09:55:08.198	-0.0					T__						15133975	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	161.1	Pg	09:55:08.198	-0.0					T__		0.7				15133976	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.18	161.1	Lg	09:55:11.055	0.1					T__		0.7				15133977	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	238.3	Pg	09:55:16.091	0.2					T__						15133978	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	238.3	Pg	09:55:16.091	0.2					T__						15133979	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.57	238.3	Lg	09:55:23.740	-0.4					T__						15133980	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	18.4	Pg	09:55:17.986	0.2					T__						15133982	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	18.4	Pg	09:55:17.986	0.2					T__						15133981	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	18.4	Lg	09:55:27.532	-0.9					T__						15133983	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	182.6	Pg	09:55:17.412	-0.1					T__						15133984	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	182.6	Pg	09:55:17.412	-0.1					T__		0.1				15133985	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.66	182.6	Pg	09:55:17.717	0.2					T__						15133986	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.66	182.6	Lg	09:55:26.725	-0.4					T__						15133987	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.74	354.3	Pg	09:55:20.053	0.5					T__						15133988	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	354.3	Pg	09:55:20.053	0.5					T__						15133989	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	354.3	Lg	09:55:30.360	-1.2					T__						15133990	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.74	354.3	Pg	09:55:19.905	0.4					T__						15133991	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.74	354.3	Lg	09:55:30.541	-1.0					T__						15133992	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.83	285.0	Pg	09:55:21.178	-0.4					T__						15133993	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.83	285.0	Lg	09:55:33.976	-0.2					T__						15133994	FDSN	RO	--	BUD	iLoc	BHN	???	_
CJR	0.85	39.1	Pn	09:55:23.055	0.1					T__						15133995	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	39.1	Pn	09:55:23.055	0.1					T__		0.1				15133996	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	39.1	Lg	09:55:34.714	0.0					T__		0.1				15133997	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.93	242.5	Pg	09:55:23.366	0.4					T__						15133998	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.93	242.5	Lg	09:55:36.242	-0.1					T__						15133999	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.95	242.8	Pg	09:55:23.684	0.5					T__						15134000	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.95	242.8	Pg	09:55:23.684	0.5					T__						15134001	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.95	242.8	Lg	09:55:35.738	-1.1					T__						15134002	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.7	Pg	09:55:27.903	0.1					T__						15134003	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.7	Pg	09:55:27.903	0.1					T__						15134004	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.21	193.7	Lg	09:55:44.238	-0.9					T__						15134005	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.49	211.8	Pn	09:55:32.235	0.5					T__						15134006	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.49	211.8	Pn	09:55:32.235	0.5					T__						15134007	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.49	211.8	Sn	09:55:52.736	-0.3					T__						15134008	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	110.8	Pn	09:55:35.569	0.8					T__						15134009	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	110.8	Pn	09:55:35.569	0.8					T__						15134010	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.68	110.8	Sn	09:55:56.996	-1.4					T__						15134011	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.27	45.7	Pn	09:55:43.411	0.1					T__						15134012	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.27	45.7	Pn	09:55:43.411	0.1					T__						15134013	FDSN	IR	--	ISC	iLoc	???	???	_
BURAR	2.27	45.7	Sn	09:56:14.303	1.3					T__						15134014	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
2018/12/11	16:32:02.50			48.2800	17.2800				0.0A		9					a	kx PRU	15113369	ISC			360
2018/12/11	16:32:03.77	0.36	0.80	48.4357	17.2562	4.6	2.5	149	0.0F	0.0	10		4	0.98	1.06	a	sx VIE	15113371	ISC			360
2018/12/11	16:32:03.41	0.97	1.13	48.3996	17.2685	4.6	3.5	108	0.0S		25	13	71	0.03	2.05	m	kx BUD	15134015	iLoc			102

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

(locality : Rohoznik Slovakia)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
mb	1.4		VIE	15113371
ml	1.5		VIE	15113371
M	1.9	7	BUD	15134015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.03	168.0	Pg	16:32:04.002	-0.6					T__						15134017	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A333A	0.33	341.0	Lg	16:32:16.356	0.9					T__						15134018	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A334A	0.34	52.7	Pg	16:32:10.012	-0.5					T__						15134019	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.53	30.0	Pg	16:32:13.851	-0.5					T__						15134020	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.53	30.0	Lg	16:32:23.494	1.0					T__						15134021	FDSN	CZ	--	BUD	iLoc	BHN	???	_
JAVC	0.53	30.0	Pg	16:32:12.700	-1.7					T__						15134022	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.56	306.4	Lg	16:32:24.401	1.7					T__						15134023	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A339A	0.63	155.4	Pg	16:32:17.856	1.6					T__						15134024	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KRUC	0.88	319.2	Pg	16:32:19.400	-0.7					T__						15134025	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.88	319.2	Lg	16:32:31.100	-1.5					T__						15134026	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.88	319.2	Pg	16:32:20.074	-0.0					T__						15134027	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.88	319.2	Lg	16:32:33.960	1.3					T__						15134028	FDSN	CZ	--	BUD	iLoc	BHE	???	_
RONA	0.96	223.3	Pg	16:32:22.394	-0.1					T__		1.2	0.18			15134029	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.96	223.3	Lg	16:32:35.248	-1.3					T__		5.7	0.48			15134030	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.01	334.1	Pg	16:32:22.700	0.2					T__						15134031	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.01	334.1	Pn	16:32:23.745	-0.2					T__						15134032	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.01	334.1	Sn	16:32:38.762	-1.0					T__						15134033	FDSN	CZ	--	BUD	iLoc	BHN	???	_
VYHS	1.05	84.2	Pn	16:32:24.021	-0.5					T__						15134034	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.05	84.2	Sn	16:32:40.452	-0.3					T__						15134035	FDSN	SK	--	BUD	iLoc	HHN	???	_
CONA	1.05	243.9	Pn	16:32:24.657	-0.1					T__						15134036	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.05	243.9	Sn	16:32:41.243	-0.0					T__						15134037	FDSN	OE	--	BUD	iLoc	BHN	???	_
CONA	1.05	243.9	Pg	16:32:24.086	-0.2					T__		0.8	0.26			15134038	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.05	243.9	Lg	16:32:40.288	0.4					T__		4.2	0.44			15134039	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.39	7.3	Sn	16:32:49.613	0.3					T__						15134040	FDSN	CZ	--	BUD	iLoc	BHN	???	_
DPC	2.05	342.8	Lg	16:33:12.100	3.0					T__						15134041	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
2018/12/12	05:36:14.41	0.27	0.43	46.1213	21.6853	2.7	1.5	97	9.0F	2.4	15		170	0.14	1.34	a	ke BUC	15113397	ISC			360
2018/12/12	05:36:13.28	1.35	0.87	46.1454	21.6210	9.5	4.0	103	13.5F	8.9	28	8	195	0.12	1.38	m	ke BUD	15134090	iLoc			230

Magnitude	Err	Nsta	Author	OrigID
ml	1.1		BUC	15113397
M	1.4	4	BUD	15134090

Sta	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	13.7	Pg	05:36:17.134	0.1					T__						15134092	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.12	13.7	Lg	05:36:20.007	0.0					T__						15134093	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.13	12.4	Pg	05:36:17.672	0.6					T__						15134094	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.13	12.4	Pg	05:36:17.672	0.6					T__		0.1				15134095	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.53	137.9	Pg	05:36:24.155	0.4					T__						15134096	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.53	137.9	Pg	05:36:24.155	0.4					T__						15134097	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.53	137.9	Lg	05:36:30.822	-0.6					T__						15134098	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.53	178.5	Pg	05:36:23.967	0.1					T__						15134099	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.53	178.5	Lg	05:36:30.274	-1.3					T__						15134100	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.53	180.3	Lg	05:36:30.812	-0.9					T__						15134101	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.99	49.0	Pg	05:36:33.585	0.5					T__						15134102	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.99	49.0	Pg	05:36:33.585	0.5					T__						15134103	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.99	49.0	Sn	05:36:46.494	-0.5					T__						15134104	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.99	49.0	Pg	05:36:33.475	0.4					T__						15134105	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.99	49.0	Sn	05:36:46.217	-0.7					T__						15134106	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.10	132.5	Pg	05:36:35.604	1.1					T__						15134107	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.10	132.5	Pg	05:36:35.604	1.1					T__						15134108	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.10	132.5	Pg	05:36:35.892	1.4					T__						15134109	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.10	132.5	Lg	05:36:48.878	-1.3					T__						15134110	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.10	132.5	Lg	05:36:49.059	-1.2					T__						15134111	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	62.3	Pg	05:36:36.557	0.2					T__						15134112	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	62.3	Pg	05:36:36.557	0.2					T__						15134113	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.16	62.3	Sn	05:36:51.752	0.2					T__						15134114	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	177.3	Pg	05:36:39.988	0.1					T__						15134115	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	177.3	Pg	05:36:39.988	0.1					T__						15134116	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.37	177.3	Sn	05:36:57.787	1.9					T__						15134117	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.38	155.9	Lg	05:36:57.937	-0.7					T__						15134118	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.38	155.9	Lg	05:36:57.937	-0.7					T__						15134119	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
2018/12/12	11:01:11.38	0.67	0.50	48.1513	16.9349	5.2	2.1	88	0.0F	0.0	13		4	0.62	1.31	a	sx VIE	15113441	ISC			360
2018/12/12	11:01:11.53	0.94	0.68	48.1334	16.9294	5.0	3.4	128	0.0S		24	11	83	0.33	1.87	m	sx BUD	15134042	iLoc			151

(description : suspected quarry blast)

(locality : Hainburg Austria)

Magnitude	Err	Nsta	Author	OrigID
mb	1.5		VIE	15113441
m1	1.7		VIE	15113441
M	1.8	7	BUD	15134042

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
MODS	0.33	44.0	Pg	11:01:18.075	-0.7					T__						15134044	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.33	44.0	Lg	11:01:23.102	-1.1					T__						15134045	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	0.61	224.7	Pg	11:01:23.254	-0.6					T__		0.6	0.10			15134046	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	0.61	224.7	Lg	11:01:31.275	-1.6					T__		9.7	0.42			15134047	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.64	339.4	Pg	11:01:24.909	0.8					T__						15134048	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.64	339.4	Lg	11:01:33.634	0.1					T__						15134049	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CONA	0.75	254.4	Pg	11:01:26.516	0.1					T__						15134050	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	0.75	254.4	Lg	11:01:37.496	-0.0					T__						15134051	FDSN	OE	--	BUD	iLoc	BHN	???	_

CONA	0.75	254.4	Pg	11:01:26.069	-0.3	T__	0.3	0.10	---	15134052	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	0.75	254.4	Lg	11:01:36.421	-1.1	T__	3.4	0.32	---	15134053	FDSN	IR	--	ISC	iLoc	???	???	_
JAVC	0.88	33.9	Pn	11:01:31.125	0.6	T__			---	15134054	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.88	33.9	Pn	11:01:31.000	0.5	T__			---	15134055	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.05	156.6	Pn	11:01:33.519	0.9	T__			---	15134056	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.05	156.6	Lg	11:01:48.057	0.2	T__			---	15134057	FDSN	HU	--	BUD	iLoc	BHN	???	_
VRAC	1.20	349.4	Pg	11:01:33.800	-0.2	T__			---	15134058	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	1.20	349.4	Pn	11:01:34.297	-0.4	T__			---	15134059	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	1.20	349.4	Lg	11:01:50.806	0.1	T__			---	15134060	FDSN	CZ	--	BUD	iLoc	BHE	???	_
ARSA	1.30	227.6	Sn	11:01:54.592	-0.4	T__	2.9	0.32	---	15134061	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.30	227.6	Pg	11:01:37.463	0.7	T__			---	15134062	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.30	227.6	Lg	11:01:55.129	-0.2	T__			---	15134063	FDSN	OE	--	BUD	iLoc	BHE	???	_
VVHS	1.32	73.5	Pg	11:01:37.886	-0.1	T__			---	15134064	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VVHS	1.32	73.5	Sn	11:01:55.894	0.3	T__			---	15134065	FDSN	SK	--	BUD	iLoc	HHN	???	_
MORC	1.69	13.6	Sn	11:02:04.330	-0.6	T__			---	15134066	FDSN	CZ	--	BUD	iLoc	BHN	???	_
CKRC	1.87	292.5	Sn	11:02:10.013	0.7	T__			---	15134067	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
2018/12/12	11:07:20.87	2.51	0.79	48.5724	20.7980	23.9	5.9	8	0.0S		7	4	225	0.23	1.31	m	kx BUD	15134068	iLoc			315
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	3 BUD	15134068

Sta	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	246.9	Pg	11:07:25.675	0.1				T__		14.3	52.3		---	MLv	1.6	15134070	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.23	246.9	Lg	11:07:30.021	0.8				T__					---		15134071	FDSN	SK	--	BUD	iLoc	EHN	???	_	
(Station ML : 1.6 1																									
ABAH	0.40	133.1	Pg	11:07:29.577	0.4				T__		1.6	5.4		---	MLv	1.2	15134072	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.40	133.1	Lg	11:07:35.575	-0.5				T__					---		15134073	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.2 1																									
PSZ	0.89	223.0	Pn	11:07:40.236	0.3				T__		1.5	5.6		---	MLv	1.7	15134074	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.89	223.0	Lg	11:07:53.055	-0.4				T__					---		15134075	FDSN	GE	--	BUD	iLoc	BHN	???	_	
(Station ML : 1.7 1																									
VVHS	1.31	267.3	Sn	11:08:04.095	-1.1				T__					---		15134076	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
2018/12/12	13:30:31.44	0.97	0.82	48.2032	21.2694	5.5	4.3	4	0.0S		17	10	108	0.10	1.72	m	kx BUD	15134120	iLoc			158
2018/12/12	13:30:31.56f		0.86	48.2470	21.2460f				0.0S		17		105	0.05	1.76	m	kx BUD_GT	15137277	BUD			153
(description : known quarry blast)																						
(locality : Tallya Hungary)																						
(GT info : GT2 explosion)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.1		6 BUD	15137277

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

ABAH	0.05	355.1	Pg	13:30:33.868	0.7	T__	---	15138987	FDSN	HU	--	BUD	BUD	HHZ	???	_
ABAH	0.05	355.1	Lg	13:30:35.103	0.5	T__	---	15138988	FDSN	HU	--	BUD	BUD	HHE	???	_
KECS	0.56	295.3	Pg	13:30:43.775	1.0	T__	---	15138989	FDSN	SK	--	BUD	BUD	EHE	???	_
KECS	0.56	295.3	Lg	13:30:51.586	0.2	T__	---	15138990	FDSN	SK	--	BUD	BUD	EHN	???	_
HOLU	0.81	69.3	Pn	13:30:49.494	-0.2	T__	---	15138991	FDSN	UA	--	BUD	BUD	MHZ	???	_
HOLU	0.81	69.3	Lg	13:31:02.378	1.5	T__	---	15138992	FDSN	UA	--	BUD	BUD	MHZ	???	_
TRPA	0.87	97.2	Pn	13:30:50.011	-0.6	T__	---	15138993	FDSN	HU	--	BUD	BUD	BHZ	???	_
TRPA	0.87	97.2	Lg	13:31:03.504	0.1	T__	---	15138994	FDSN	HU	--	BUD	BUD	BHE	???	_
PSZ	0.96	250.6	Pg	13:30:52.338	0.5	T__	---	15138995	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.96	250.6	Lg	13:31:06.314	-0.5	T__	---	15138996	FDSN	GE	--	BUD	BUD	BHN	???	_
KOLS	0.97	44.4	Pn	13:30:52.711	0.6	T__	---	15138998	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.97	44.4	Lg	13:31:06.783	1.0	T__	---	15138999	FDSN	SK	--	BUD	BUD	HHE	???	_
MUKU	0.98	77.3	Pn	13:30:52.080	-0.1	T__	---	15138997	FDSN	UA	--	BUD	BUD	MHZ	???	_
STZU	1.19	49.4	Sn	13:31:14.371	0.2	T__	---	15139000	FDSN	UA	--	BUD	BUD	MHZ	???	_
VYHS	1.63	279.6	Lg	13:31:26.159	-1.8	T__	---	15139001	FDSN	SK	--	BUD	BUD	HHN	???	_
DRGR	1.76	145.2	Pg	13:31:04.837	-1.4	T__	---	15139002	FDSN	RO	--	BUD	BUD	BHZ	???	_
DRGR	1.76	145.2	Sn	13:31:26.733	-0.9	T__	---	15139003	FDSN	RO	--	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
2018/12/12	15:50:06.13	0.32	0.28	46.1274	21.6685	3.4	1.1	93	11.6F	2.6	12	176	0.14	1.14	a	ke	BUC	15113464	ISC			360
2018/12/12	15:50:05.11	1.57	0.46	46.1382	21.6228	12.2	4.5	95	14.7F	9.6	21	7	191	0.13	1.17	m	ke	BUD	15134139	iLoc		228

Magnitude	Err	Nsta	Author	OrigID
m1	0.5		BUC	15113464
MLv	0.8	0.5	2 BUD	15134139

Sta	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	12.4	Pg	15:50:09.372	0.3					T__	3.0	5.2			MLv	0.4	15134141	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
SIRR	0.13	12.4	Lg	15:50:11.699	-0.5					T__							15134142	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.13	11.2	Pg	15:50:09.529	0.4					T__							15134143	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.13	11.2	Pg	15:50:09.529	0.4					T__							15134144	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.13	11.2	Lg	15:50:11.945	-0.2					T__							15134145	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.52	178.7	Pg	15:50:15.981	0.4					T__	1.5	3.1			MLv	1.2	15134146	FDSN	RO	--	BUD	iLoc	BHZ	BHZ	_
BZS	0.52	178.7	Lg	15:50:22.731	-0.5					T__							15134147	FDSN	RO	--	BUD	iLoc	BHE	???	_
SURR	0.52	137.5	Pg	15:50:15.811	0.3					T__							15134148	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.52	137.5	Pg	15:50:15.811	0.3					T__							15134149	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	0.52	137.5	Lg	15:50:23.080	-0.1					T__							15134150	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.52	180.5	Lg	15:50:23.112	-0.2					T__							15134151	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	48.6	Pg	15:50:25.533	0.5					T__							15134153	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	48.6	Pg	15:50:25.533	0.5					T__							15134152	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	48.6	Sn	15:50:38.414	-0.3					T__							15134154	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.00	48.6	Sn	15:50:37.982	-0.7					T__							15134155	FDSN	RO	--	BUD	iLoc	BHN	???	_
GZR	1.10	132.3	Pg	15:50:26.705	0.5					T__							15134156	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.10	132.3	Pg	15:50:26.705	0.5					T__							15134157	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.10	132.3	Lg	15:50:41.280	-0.6					T__							15134158	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.17	62.0	Pg	15:50:28.391	0.2					T__							15134159	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.17	62.0	Pg	15:50:28.391	0.2					T__							15134160	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.17	62.0	Sn	15:50:43.584	0.4					T__							15134161	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
2018/12/13	08:12:00.40	1.63	0.33	47.8389	19.1691	8.8	5.0	7	0.0S	9	5	193	0.10	1.43	m	kx	BUD	15134170	iLoc			289
2018/12/13	08:12:00.50f		0.61	47.8355	19.1270f				0.0S	9	197	0.07	1.41	m	kx	BUD_GT	15137280	BUD				289

(GT info : GT2 explosion)

(locality : Sejce-Vác Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	4	BUD	15137280

Sta	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	08:12:02.928	0.5					T__						15139004	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.07	277.6	Lg	08:12:05.129	1.1					T__						15139005	FDSN	Z3	00	BUD	BUD	HHN	???	_
A336A	0.41	347.9	Pg	08:12:09.296	0.4					T__						15139006	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.41	347.9	Lg	08:12:14.999	-0.1					T__						15139007	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	08:12:11.195	-0.7					T__						15139008	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.52	80.6	Lg	08:12:19.287	-1.1					T__						15139009	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	0.69	343.6	Pg	08:12:14.554	0.1					T__						15139010	FDSN	SK	--	BUD	BUD	HHZ	???	_
VYHS	0.69	343.6	Lg	08:12:24.529	-0.1					T__						15139011	FDSN	SK	--	BUD	BUD	HHN	???	_
JAVC	1.41	317.1	Lg	08:12:49.163	-0.1					T__						15139012	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
2018/12/13	10:01:07.56	1.66	1.39	45.8454	18.3847	11.4	5.5	118	0.0S	6	3	196	0.31	0.56	m	kx	BUD	15134181	iLoc			294
2018/12/13	10:01:07.54f		1.08	45.8525	18.3977f				0.0S	6	197	0.31	0.57	m	kx	BUD_GT	15137283	BUD				293

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Nagyharsány Hungary)

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.3	3 BUD	15134181
ML	1.1	0.3	3 BUD	15137283

Sta	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	10:01:14.717	0.3					T__		8.5			MLv	15139013	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
KOVH	0.31	318.7	Lg	10:01:19.806	-0.0					T__						15139014	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.40	25.2	Pg	10:01:16.549	0.5					T__		3.0			MLv	15139015	FDSN	HU	--	BUD	BUD	BHZ	BHZ	_
MORH	0.40	25.2	Lg	10:01:22.707	-0.0					T__						15139016	FDSN	HU	--	BUD	BUD	BHE	???	_
A252A	0.57	222.9	Pg	10:01:20.236	1.0					T__		5.0			MLv	15139017	FDSN	Z3	--	BUD	BUD	BHZ	BHZ	_
A252A	0.57	222.9	Lg	10:01:25.701	-2.4					T__						15139018	FDSN	Z3	--	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
2018/12/13	10:30:36.57	1.60	0.44	47.8362	19.1915	12.9	6.9	22	0.0S	5	3	159	0.48	1.30	m	kx	BUD	15134202	iLoc			260
2018/12/13	10:30:36.44f		0.71	47.8355	19.1270f				0.0S	5	158	0.52	1.27	m	kx	BUD_GT	15137286	BUD				263

(GT info : GT2 explosion)

(locality : Sejce-Vác Hungary)

(description : known quarry blast)

Magnitude	Err	Nsta	Author	OrigID

MLv 1.3 0.4 2 BUD 15137286

Sta	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	0.52	80.6	Pg	10:30:46.974	-0.8					T__		8.6			MLv	15139019	FDSN	GE	--	BUD	BUD	BHZ	BHZ	_
PSZ	0.52	80.6	Lg	10:30:55.218	-1.1					T__						15139020	FDSN	GE	--	BUD	BUD	BHN	???	_
VYHS	0.69	343.6	Pg	10:30:51.045	0.7					T__		1.6			MLv	15139021	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
VYHS	0.69	343.6	Lg	10:31:00.714	0.1					T__						15139022	FDSN	SK	--	BUD	BUD	HHN	???	_
MPLH	1.27	238.8	Lg	10:31:20.155	-0.1					T__						15139023	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
2018/12/13	10:49:00.78	2.02	0.49	48.4986	20.7444	20.6	5.5	9	0.0S		6	3	216	0.17	0.81	m	kx BUD	15134217	iLoc			319
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	15134217

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L	
KECS	0.17	265.0	Pg	10:49:04.106	-0.4					T__	26.2	87.2			MLv	1.7	15134219	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_
KECS	0.17	265.0	Lg	10:49:08.063	0.7					T__						15134220	FDSN	SK	--	BUD	iLoc	EHE	???	_	
(Station ML : 1.7 1																									
ABAH	0.39	121.4	Pg	10:49:08.677	-0.1					T__	1.3	8.6			MLv	1.3	15134221	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	0.39	121.4	Lg	10:49:15.665	0.2					T__						15134222	FDSN	HU	--	BUD	iLoc	HHN	???	_	
(Station ML : 1.3 1																									
PSZ	0.81	224.7	Pn	10:49:18.712	-0.1					T__	1.1	6.9			MLv	1.8	15134223	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.81	224.7	Lg	10:49:30.759	0.1					T__						15134224	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
2018/12/13	11:45:24.04	1.07	0.97	48.4522	20.7787	9.2	3.9	15	0.0S		14	7	155	0.20	1.29	m	kx BUD	15134238	iLoc			185
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7		6 BUD	15134238

Sta	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	279.1	Pg	11:45:29.326	1.1					T__						15134240	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	279.1	Lg	11:45:32.488	1.0					T__						15134241	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.34	116.8	Pg	11:45:31.942	0.7					T__						15134242	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.34	116.8	Lg	11:45:37.014	-0.3					T__						15134243	FDSN	HU	--	BUD	iLoc	HHN	???	_
ABAH	0.34	116.8	Lg	11:45:37.500	0.2					T__		0.1				15134244	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	0.80	228.3	Pg	11:45:40.775	-0.1					T__						15134245	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.80	228.3	Lg	11:45:52.642	-0.7					T__						15134246	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.11	309.4	Pn	11:45:46.598	0.4					T__						15134247	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.11	309.4	Lg	11:46:00.196	-2.0					T__						15134248	FDSN	SK	--	BUD	iLoc	EHN	???	_
A336A	1.21	260.2	Pg	11:45:48.931	0.7					T__						15134249	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.21	260.2	Sn	11:46:05.267	-0.3					T__						15134250	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.22	104.7	Sn	11:46:05.227	-1.5					T__						15134251	FDSN	HU	--	BUD	iLoc	BHN	???	_

VYHS	1.29	272.6	Pg	11:45:49.743	-0.1	T__	---	15134252	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	272.6	Sn	11:46:07.846	-0.1	T__	---	15134253	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
2018/12/14	11:02:31.71	1.56	0.42	48.6057	20.7463	11.8	7.4	7	0.0S	9	6	189	0.21	1.27	m	kx	BUD	15134254	iLoc			276
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.6	5	BUD	15134254

Sta	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	234.8	Pg	11:02:36.550	0.4					T__						15134256	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.21	234.8	Lg	11:02:40.108	0.5					T__						15134257	FDSN	SK	--	BUD	iLoc	EHE	???	_
ABAH	0.45	133.1	Pg	11:02:41.057	0.2					T__						15134258	FDSN	HU	--	BUD	iLoc	HHZ	???	_
PSZ	0.89	219.9	Pg	11:02:50.449	-0.0					T__						15134259	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.89	219.9	Lg	11:03:03.955	-0.4					T__						15134260	FDSN	GE	--	BUD	iLoc	BHE	???	_
LANS	1.00	303.3	Pn	11:02:52.403	0.0					T__						15134261	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.22	252.9	Lg	11:03:14.075	0.0					T__						15134262	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.27	265.7	Pg	11:02:57.212	0.1					T__						15134263	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.27	265.7	Sn	11:03:14.498	-0.6					T__						15134264	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
2018/12/14	11:05:28.68	1.21	0.58	46.8299	17.3044	6.7	3.8	59	0.0S	13	7	97	0.16	1.47	m	kx	BUD	15134265	iLoc			164
(locality : Várvölgy Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.8	6	BUD	15134265

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A261A	0.16	318.9	Pg	11:05:32.822	0.2					T__						15134267	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.16	318.9	Lg	11:05:35.749	-0.0					T__						15134268	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A263A	0.19	177.8	Pg	11:05:33.328	0.2					T__						15134269	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.19	177.8	Lg	11:05:37.422	0.8					T__						15134270	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MPLH	0.38	25.2	Pg	11:05:36.718	-0.0					T__						15134271	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.38	25.2	Lg	11:05:44.124	1.2					T__						15134272	FDSN	HU	--	BUD	iLoc	BHN	???	_
A262A	0.53	274.0	Pg	11:05:39.862	0.2					T__						15134273	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
KOVH	0.92	143.2	Pg	11:05:47.245	-0.2					T__						15134274	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.92	143.2	Lg	11:06:00.809	-0.7					T__						15134275	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.11	123.1	Pg	11:05:50.794	-0.1					T__						15134276	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.11	123.1	Sn	11:06:07.662	-0.1					T__						15134277	FDSN	HU	--	BUD	iLoc	BHE	???	_
CONA	1.47	318.8	Pg	11:05:57.267	-0.6					T__						15134278	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.47	318.8	Lg	11:06:18.800	-0.4					T__		0.1				15134279	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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2018/12/15 10:44:41.50 1.90 0.86 47.9938 19.6146 21.9 7.1 28 0.0S 5 3 202 0.20 1.13 m sx BUD 15134280 iLoc 322
 (description : suspected quarry blast)
 (locality : Nagylóc Hungary)

Magnitude Err Nsta Author OrigID
 MLv 2.0 0.1 2 BUD 15134280

Sta	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	111.8	Pg	10:44:46.071	-0.3					T__	15.4	51.8		---	MLv	1.6	15134282	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.20	111.8	Lg	10:44:49.735	-0.4					T__				---		15134283	FDSN	GE	--	BUD	iLoc	BHN	???	_	
VYHS	0.72	314.2	Lg	10:45:06.274	-0.5					T__				---		15134284	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	1.13	73.9	Pn	10:45:04.570	0.8					T__	1.3	6.8		---	MLv	2.0	15134285	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_
ABAH	1.13	73.9	Lg	10:45:21.592	-0.5					T__				---		15134286	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2018/12/15 10:53:11.59 1.92 1.36 48.0336 19.6371 27.6 7.3 36 0.0S 4 3 187 0.21 1.10 m sx BUD 15134295 iLoc 312
 (locality : Nagylóc Hungary)
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID
 MLv 1.6 0.0 1 BUD 15134295

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.21	123.6	Pg	10:53:17.172	0.6					T__	12.7	43.2		---	MLv	1.5	15134297	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_
PSZ	0.21	123.6	Lg	10:53:19.361	-1.1					T__				---		15134298	FDSN	GE	--	BUD	iLoc	BHN	???	_	
VYHS	0.71	311.0	Lg	10:53:35.798	-0.6					T__				---		15134299	FDSN	SK	--	BUD	iLoc	HHN	???	_	
ABAH	1.10	75.6	Sn	10:53:50.913	0.1					T__				---		15134300	FDSN	HU	--	BUD	iLoc	HHN	???	_	

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2018/12/16 15:05:38.10 0.14 0.70 48.5300 17.2100 1.2 1.1 39 1.0A 0.0 26 2 1.08 2.76 a ke PRU 15113509 ISC 360
 2018/12/16 15:05:37.37 1.02 1.23 48.5570 17.2829 2.1 2.0 61 3.3F 6.0 139 66 20 0.17 4.05 m ke BUD 15134376 iLoc 34

Magnitude Err Nsta Author OrigID
 mb 2.4 VIE 15113505
 ml 2.9 VIE 15113505
 M 2.8 36 BUD 15134376

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.17	186.8	Pg	15:05:40.850	-0.4					T__				---		15134378	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.17	186.8	Lg	15:05:44.004	-0.1					T__				---		15134379	FDSN	SK	--	BUD	iLoc	HHE	???	_
A333A	0.22	322.1	Pg	15:05:42.351	0.4					T__				---		15134380	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	0.22	322.1	Lg	15:05:43.942	-1.3					T__				---		15134381	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A334A	0.25	75.8	Pg	15:05:42.445	-0.2					T__				---		15134382	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
JAVC	0.40	37.1	Pg	15:05:44.968	-0.6					T__				---		15134383	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.40	37.1	Lg	15:05:52.310	0.7					T__				---		15134384	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A337A	0.44	132.8	Pg	15:05:46.997	0.7					T__				---		15134385	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A337A	0.44	132.8	Lg	15:05:54.682	1.9					T__				---		15134386	FDSN	Z3	00	BUD	iLoc	HHN	???	_

A002B	0.51	249.5	Pg	15:05:48.325	0.8	T__	---	15134387	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.51	291.6	Pg	15:05:48.146	0.7	T__	---	15134388	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.51	291.6	Lg	15:05:57.691	2.8	T__	---	15134389	FDSN	Z3	00	BUD	iLoc	HH2	???	_
A339A	0.75	161.8	Pg	15:05:52.990	0.5	T__	---	15134390	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A339A	0.75	161.8	Lg	15:06:04.395	1.0	T__	---	15134391	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A005B	0.75	257.3	Pg	15:05:52.681	0.5	T__	---	15134392	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A005B	0.75	257.3	Lg	15:06:04.410	1.4	T__	---	15134393	FDSN	Z3	00	BUD	iLoc	HHE	???	_
KRUC	0.80	311.1	Lg	15:06:03.300	-0.4	T__	---	15134394	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.80	311.1	Pg	15:05:52.782	0.3	T__	---	15134395	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
KRUC	0.80	311.1	Lg	15:06:04.029	0.3	T__	---	15134396	FDSN	CZ	--	BUD	iLoc	BHE	???	_
A003A	0.80	192.3	Pg	15:05:53.188	-0.4	T__	---	15134397	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A003A	0.80	192.3	Lg	15:06:05.079	-0.0	T__	---	15134398	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A332A	0.81	70.7	Pg	15:05:53.664	0.2	T__	---	15134399	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.81	70.7	Lg	15:06:06.337	1.1	T__	---	15134400	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A004A	0.84	226.7	Sn	15:06:09.549	1.0	T__	---	15134401	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A331A	0.86	44.5	Pn	15:05:55.576	0.2	T__	---	15134402	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	0.86	44.5	Sn	15:06:08.841	-0.2	T__	---	15134403	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A338A	0.88	126.7	Pg	15:05:54.805	-0.1	T__	---	15134404	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A338A	0.88	126.7	Lg	15:06:07.896	0.3	T__	---	15134405	FDSN	Z3	00	BUD	iLoc	HH3	???	_
MAUC	0.89	22.4	Pn	15:05:55.600	-0.4	T__	---	15134406	FDSN	IR	--	ISC	iLoc	???	???	_
MAUC	0.89	22.4	Sn	15:06:09.300	-0.8	T__	---	15134407	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.90	328.7	Pg	15:05:54.800	0.5	T__	---	15134408	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.90	328.7	Lg	15:06:06.400	-0.3	T__	---	15134409	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.90	328.7	Pg	15:05:54.612	0.3	T__	---	15134410	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VRAC	0.90	328.7	Lg	15:06:07.779	1.1	T__	---	15134411	FDSN	CZ	--	BUD	iLoc	BHN	???	_
SRO	0.99	137.0	Pg	15:06:00.200	3.0	T__	2.1	15134412	FDSN	IR	--	ISC	iLoc	???	???	_
SRO	0.99	137.0	Pn	15:05:57.033	-0.1	T__	---	15134413	FDSN	SK	--	BUD	iLoc	EHZ	???	_
SRO	0.99	137.0	Lg	15:06:11.037	-0.2	T__	---	15134414	FDSN	SK	--	BUD	iLoc	EHN	???	_
SOP	1.00	210.5	Pn	15:05:55.687	-1.6	T__	---	15134415	FDSN	HU	--	BUD	iLoc	BHZ	???	_
SOP	1.00	210.5	Pg	15:05:57.800	0.6	T__	0.4	15134416	FDSN	IR	--	ISC	iLoc	???	???	_
SOP	1.00	210.5	Sn	15:06:12.507	0.0	T__	---	15134417	FDSN	HU	--	BUD	iLoc	BHE	???	_
VYHS	1.02	92.2	Pn	15:05:56.451	-1.2	T__	---	15134418	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.02	92.2	Lg	15:06:11.755	-0.4	T__	---	15134419	FDSN	SK	--	BUD	iLoc	HHN	???	_
RONA	1.08	219.1	Pn	15:05:57.386	-1.2	T__	16.3 0.12	15134420	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.08	219.1	Lg	15:06:12.978	-1.1	T__	175.0 0.60	15134421	FDSN	IR	--	ISC	iLoc	???	???	_
A008A	1.12	261.6	Pn	15:05:58.228	-0.6	T__	---	15134422	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A008A	1.12	261.6	Lg	15:06:13.301	-1.1	T__	---	15134423	FDSN	Z3	00	BUD	iLoc	HH2	???	_
EGYH	1.13	179.2	Pg	15:06:00.298	0.5	T__	---	15134424	FDSN	HU	--	BUD	iLoc	HHZ	???	_
EGYH	1.13	179.2	Lg	15:06:15.674	0.2	T__	---	15134425	FDSN	HU	--	BUD	iLoc	HHE	???	_
CONA	1.15	238.1	Pn	15:05:58.307	-1.2	T__	---	15134426	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.15	238.1	Lg	15:06:15.747	-0.4	T__	---	15134427	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.15	238.1	Pn	15:05:58.583	-0.9	T__	6.0 0.20	15134428	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.15	238.1	Pg	15:05:58.700	-1.5	T__	0.6	15134429	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.15	238.1	Lg	15:06:15.544	-0.6	T__	147.2 0.62	15134430	FDSN	IR	--	ISC	iLoc	???	???	_
A269A	1.16	141.1	Sn	15:06:15.659	-0.6	T__	---	15134431	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A336A	1.17	104.7	Pn	15:06:00.005	0.4	T__	---	15134432	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.17	104.7	Sn	15:06:14.861	-1.6	T__	---	15134433	FDSN	Z3	00	BUD	iLoc	HH3	???	_
A268A	1.19	159.4	Pn	15:06:00.382	0.5	T__	---	15134434	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A268A	1.19	159.4	Sn	15:06:16.897	-0.2	T__	---	15134435	FDSN	Z3	00	BUD	iLoc	HHN	???	_
MORC	1.24	7.0	Pn	15:06:00.554	-0.3	T__	---	15134436	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
MORC	1.24	7.0	Sn	15:06:18.312	-0.5	T__	---	15134437	FDSN	CZ	--	BUD	iLoc	BHN	???	_
MORC	1.24	7.0	Pn	15:06:00.700	-0.1	T__	---	15134438	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.24	7.0	Lg	15:06:17.000	-0.6	T__	---	15134439	FDSN	IR	--	ISC	iLoc	???	???	_

A260A	1.32	198.0	Pn	15:06:02.815	0.9	T__	---	15134440	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A260A	1.32	198.0	Sn	15:06:21.177	0.7	T__	---	15134441	FDSN	Z3	00	BUD	iLoc	HHE	???	-
A270A	1.34	120.7	Pn	15:06:02.841	0.8	T__	---	15134442	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A270A	1.34	120.7	Sn	15:06:21.897	1.2	T__	---	15134443	FDSN	Z3	00	BUD	iLoc	HHN	???	-
A013A	1.36	250.0	Pn	15:06:02.465	0.2	T__	---	15134444	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A013A	1.36	250.0	Lg	15:06:21.825	-0.4	T__	---	15134445	FDSN	Z3	00	BUD	iLoc	HHN	???	-
MPLH	1.38	173.4	Pn	15:06:02.465	-0.2	T__	---	15134446	FDSN	HU	--	BUD	iLoc	BHZ	???	-
MPLH	1.38	173.4	Pn	15:06:03.800	1.0	T__	0.2	15134447	FDSN	IR	--	ISC	iLoc	???	???	-
MPLH	1.38	173.4	Lg	15:06:24.165	0.7	T__	---	15134448	FDSN	HU	--	BUD	iLoc	BHN	???	-
OKC	1.41	22.7	Pn	15:06:02.939	-0.1	T__	---	15134449	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
OKC	1.41	22.7	Pg	15:06:08.400	4.5	T__	0.1	15134450	FDSN	IR	--	ISC	iLoc	???	???	-
OKC	1.41	22.7	Sn	15:06:22.100	-0.6	T__	30.3 0.70	15134451	FDSN	IR	--	ISC	iLoc	???	???	-
TREC	1.42	302.7	Sn	15:06:20.200	-2.7	T__	---	15134452	FDSN	IR	--	ISC	iLoc	???	???	-
A011B	1.45	219.1	Pn	15:06:04.918	1.2	T__	---	15134453	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A011B	1.45	219.1	Lg	15:06:24.844	-0.7	T__	---	15134454	FDSN	Z3	00	BUD	iLoc	HH3	???	-
A012A	1.49	231.5	Pn	15:06:04.786	0.4	T__	---	15134455	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A012A	1.49	231.5	Sn	15:06:25.925	0.9	T__	---	15134456	FDSN	Z3	00	BUD	iLoc	HH2	???	-
LANS	1.55	66.1	Pn	15:06:05.275	0.1	T__	---	15134457	FDSN	SK	--	BUD	iLoc	EHZ	???	-
LANS	1.55	66.1	Pg	15:06:06.900	-0.9	T__	0.1	15134458	FDSN	IR	--	ISC	iLoc	???	???	-
LANS	1.55	66.1	Sn	15:06:27.898	1.3	T__	---	15134459	FDSN	SK	--	BUD	iLoc	EHE	???	-
KRLC	1.57	347.6	Pg	15:06:06.500	-0.1	T__	---	15134460	FDSN	IR	--	ISC	iLoc	???	???	-
KRLC	1.57	347.6	Lg	15:06:28.200	0.3	T__	---	15134461	FDSN	IR	--	ISC	iLoc	???	???	-
A010A	1.69	209.8	Pn	15:06:08.496	1.6	T__	---	15134462	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A010A	1.69	209.8	Lg	15:06:33.315	0.5	T__	---	15134463	FDSN	Z3	00	BUD	iLoc	HHN	???	-
A018A	1.69	242.7	Pn	15:06:08.023	1.0	T__	---	15134464	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A018A	1.69	242.7	Sn	15:06:30.308	0.6	T__	---	15134465	FDSN	Z3	00	BUD	iLoc	HHN	???	-
ARSA	1.76	223.5	Pn	15:06:08.881	0.9	T__	6.5 0.36	15134466	FDSN	IR	--	ISC	iLoc	???	???	-
ARSA	1.76	223.5	Pg	15:06:09.900	-1.9	T__	0.2	15134467	FDSN	IR	--	ISC	iLoc	???	???	-
ARSA	1.76	223.5	Lg	15:06:34.038	-1.1	T__	7.1 0.32	15134468	FDSN	IR	--	ISC	iLoc	???	???	-
ARSA	1.76	223.5	Pn	15:06:09.016	1.1	T__	---	15134469	FDSN	OE	--	BUD	iLoc	BHZ	???	-
A267A	1.78	153.2	Pg	15:06:11.476	-0.9	T__	---	15134470	FDSN	Z3	00	BUD	iLoc	HHZ	???	-
A267A	1.78	153.2	Lg	15:06:35.824	-0.6	T__	---	15134471	FDSN	Z3	00	BUD	iLoc	HHN	???	-
PSZ	1.84	108.9	Pn	15:06:09.450	0.1	T__	---	15134472	FDSN	GE	--	BUD	iLoc	BHZ	???	-
PSZ	1.84	108.9	Pg	15:06:12.020	-2.1	T__	---	15134473	FDSN	GE	--	BUD	iLoc	BHZ	???	-
PSZ	1.84	108.9	Pn	15:06:12.200	2.9	T__	0.2	15134474	FDSN	IR	--	ISC	iLoc	???	???	-
DPC	1.92	340.8	Lg	15:06:37.100	-1.2	T__	15.2 0.60	15134475	FDSN	IR	--	ISC	iLoc	???	???	-
CKRC	2.01	279.1	Pn	15:06:11.995	0.8	T__	---	15134476	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
CKRC	2.01	279.1	Sn	15:06:37.044	-0.2	T__	---	15134477	FDSN	CZ	--	BUD	iLoc	BHN	???	-
CKRC	2.01	279.1	Pn	15:06:11.600	0.3	T__	---	15134478	FDSN	IR	--	ISC	iLoc	???	???	-
CKRC	2.01	279.1	Sn	15:06:38.600	1.3	T__	23.5 0.40	15134479	FDSN	IR	--	ISC	iLoc	???	???	-
OSTC	2.14	341.0	Lg	15:06:46.000	1.2	T__	---	15134480	FDSN	IR	--	ISC	iLoc	???	???	-
GOPC	2.15	310.7	Lg	15:06:44.200	-1.7	T__	77.9 1.30	15134481	FDSN	IR	--	ISC	iLoc	???	???	-
MOA	2.15	252.3	Pn	15:06:13.289	-0.1	T__	2.3 0.24	15134482	FDSN	IR	--	ISC	iLoc	???	???	-
MOA	2.15	252.3	Sn	15:06:41.268	0.2	T__	15.4 0.36	15134483	FDSN	IR	--	ISC	iLoc	???	???	-
NIE	2.16	64.9	Pn	15:06:14.600	0.8	T__	---	15134484	FDSN	IR	--	ISC	iLoc	???	???	-
NIE	2.16	64.9	Pg	15:06:15.700	-3.1	T__	0.1	15134485	FDSN	IR	--	ISC	iLoc	???	???	-
NIE	2.17	65.0	Pn	15:06:14.451	0.6	T__	---	15134486	FDSN	PL	--	BUD	iLoc	BHZ	???	-
NIE	2.17	65.0	Sn	15:06:43.528	1.1	T__	---	15134487	FDSN	PL	--	BUD	iLoc	BHE	???	-
ZVC	2.24	294.8	Lg	15:06:48.300	-0.8	T__	24.6 0.60	15134488	FDSN	IR	--	ISC	iLoc	???	???	-
PRU	2.32	309.6	Pn	15:06:15.216	-0.3	T__	---	15134489	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
PRU	2.32	309.6	Pg	15:06:21.641	0.7	T__	---	15134490	FDSN	CZ	--	BUD	iLoc	BHZ	???	-
PRU	2.32	309.6	Lg	15:06:50.400	-0.6	T__	47.0 0.50	15134491	FDSN	IR	--	ISC	iLoc	???	???	-
KSP	2.39	344.4	Pg	15:06:23.170	2.0	T__	---	15134492	FDSN	IR	--	ISC	iLoc	???	???	-

KSP	2.39	344.4	Pb	15:06:31.200	10.0	---	---	15134493	FDSN	IR	--	ISC	iLoc	???	???	_
KSP	2.39	344.4	Lg	15:06:58.500	5.8	T__	---	15134494	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	2.42	220.4	Pn	15:06:18.094	0.9	T__	0.9 0.20	15134495	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	2.50	158.2	Pn	15:06:17.539	-0.7	T__	---	15134496	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	2.50	158.2	Pg	15:06:29.400	3.3	T__	---	15134497	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	2.51	167.3	Pn	15:06:18.143	-0.4	T__	---	15134498	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KHC	2.53	284.8	Pn	15:06:18.800	0.2	T__	---	15134499	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.53	284.8	Pg	15:06:25.000	-0.5	T__	---	15134500	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.53	284.8	Lg	15:06:57.900	-0.6	T__	38.6 0.70	15134501	FDSN	IR	--	ISC	iLoc	???	???	_
BIOA	2.60	252.2	Pn	15:06:19.549	-0.2	T__	3.6 0.26	15134502	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	2.63	93.9	Pn	15:06:20.292	-0.0	T__	---	15134503	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	2.63	93.9	Pg	15:06:26.673	-1.9	T__	---	15134504	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	2.63	93.9	Pg	15:06:26.800	-1.8	T__	---	15134505	FDSN	IR	--	ISC	iLoc	???	???	_
STHS	2.74	69.9	Pn	15:06:21.520	-0.4	T__	---	15134506	FDSN	SK	--	BUD	iLoc	EHZ	???	_
STHS	2.74	69.9	Pn	15:06:22.100	0.2	T__	0.2	15134507	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	2.76	223.6	Pn	15:06:22.921	0.9	T__	---	15134508	FDSN	OE	--	BUD	iLoc	BHZ	???	_
A252A	3.13	173.0	Pn	15:06:27.561	0.2	T__	---	15134509	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
BRG	3.19	318.1	Pg	15:06:36.910	0.0	T__	---	15134510	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.19	318.1	Lg	15:07:16.140	-2.1	T__	---	15134511	FDSN	IR	--	ISC	iLoc	???	???	_
BRG	3.19	318.1	x	15:07:20.960	-99.0	---	15.7 0.50	15134512	FDSN	IR	--	ISC	iLoc	???	???	_
HSKC	3.26	310.8	Lg	15:07:20.500	-0.7	T__	---	15134513	FDSN	IR	--	ISC	iLoc	???	???	_
KOLS	3.31	81.4	Pn	15:06:29.297	-0.9	T__	---	15134514	FDSN	SK	--	BUD	iLoc	HHZ	???	_
TRPA	3.51	94.8	Pn	15:06:32.300	-0.7	T__	0.0	15134515	FDSN	IR	--	ISC	iLoc	???	???	_
TRPA	3.51	94.8	Pn	15:06:32.025	-0.9	T__	---	15134516	FDSN	HU	--	BUD	iLoc	BHZ	???	_
DRGR	4.05	113.6	Pn	15:06:39.267	-1.3	T__	---	15134517	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	4.05	113.6	Pg	15:06:55.978	-1.0	T__	---	15134518	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
2018/12/17	04:57:36.40			48.5100	17.3700				0.0A		10					a	ke PRU	15113658	ISC			360
2018/12/17	04:57:36.63	0.32	0.42	48.5557	17.2528	2.9	2.0	152	3.6F	7.3	16		2	1.07	2.11	a	ke VIE	15113660	ISC			360
2018/12/17	04:57:35.69	1.22	0.75	48.5249	17.3497	4.3	3.4	125	2.1F	9.2	35	18	106	0.16	2.56	m	ke BUD	15134305	iLoc			129

Magnitude	Err	Nsta	Author	OrigID
mb	1.2		VIE	15113660
ml	1.7		VIE	15113660
M	1.7	9	BUD	15134305

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.16	197.7	Pg	04:57:39.329	0.1					T__						15134307	FDSN	SK	--	BUD	iLoc	HHZ	???	_
MODS	0.16	197.7	Lg	04:57:42.524	0.6					T__						15134308	FDSN	SK	--	BUD	iLoc	HHE	???	_
A334A	0.23	69.6	Pg	04:57:40.635	0.2					T__						15134309	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	0.25	319.6	Pg	04:57:41.679	0.9					T__						15134310	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A333A	0.25	319.6	Lg	04:57:44.915	0.4					T__						15134311	FDSN	Z3	00	BUD	iLoc	HH2	???	_
JAVC	0.40	32.3	Pg	04:57:43.547	-0.3					T__						15134312	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
JAVC	0.40	32.3	Lg	04:57:50.489	0.7					T__						15134313	FDSN	CZ	--	BUD	iLoc	BHE	???	_
JAVC	0.40	32.3	Lg	04:57:49.600	-0.2					T__						15134314	FDSN	IR	--	ISC	iLoc	???	???	_
A001A	0.54	292.3	Pg	04:57:47.167	0.8					T__						15134315	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A001A	0.54	292.3	Lg	04:57:54.077	-0.1					T__						15134316	FDSN	Z3	00	BUD	iLoc	HH3	???	_
KRUC	0.83	310.8	Pg	04:57:51.300	-0.0					T__						15134317	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.83	310.8	Lg	04:58:02.000	-1.1					T__						15134318	FDSN	IR	--	ISC	iLoc	???	???	_
KRUC	0.83	310.8	Pg	04:57:51.422	0.1					T__						15134319	FDSN	CZ	--	BUD	iLoc	BHZ	???	_

KRUC	0.83	310.8	Lg	04:58:02.305	-0.8	T__								15134320	FDSN	CZ	--	BUD	iLoc	BHN	???	_
A331A	0.85	42.3	Pn	04:57:54.273	0.6	T__								15134321	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A331A	0.85	42.3	Sn	04:58:07.265	-0.1	T__								15134322	FDSN	Z3	00	BUD	iLoc	HHE	???	_
VRAC	0.93	327.8	Pg	04:57:53.100	0.0	T__								15134323	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.93	327.8	Lg	04:58:05.200	-0.7	T__								15134324	FDSN	IR	--	ISC	iLoc	???	???	_
VRAC	0.93	327.8	Pn	04:57:53.826	-0.9	T__								15134325	FDSN	CZ	--	BUD	iLoc	BHZ	???	_
VYHS	0.99	91.2	Pn	04:57:55.292	-0.3	T__								15134326	FDSN	SK	--	BUD	iLoc	HHZ	???	_
RONA	1.09	220.9	Pn	04:57:56.920	-0.1	T__				1.4	0.32			15134327	FDSN	IR	--	ISC	iLoc	???	???	_
RONA	1.09	220.9	Lg	04:58:12.737	0.2	T__				1.4	0.24			15134328	FDSN	IR	--	ISC	iLoc	???	???	_
AO08A	1.14	262.8	Pn	04:57:57.349	-0.2	T__								15134329	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO08A	1.14	262.8	Lg	04:58:12.304	-1.2	T__								15134330	FDSN	Z3	00	BUD	iLoc	HH3	???	_
CONA	1.16	239.6	Pn	04:57:57.702	-0.4	T__								15134331	FDSN	OE	--	BUD	iLoc	BHZ	???	_
CONA	1.16	239.6	Lg	04:58:13.851	-1.1	T__								15134332	FDSN	OE	--	BUD	iLoc	BHE	???	_
CONA	1.16	239.6	Pn	04:57:57.602	-0.5	T__				0.7	0.32			15134333	FDSN	IR	--	ISC	iLoc	???	???	_
CONA	1.16	239.6	Lg	04:58:14.139	-0.8	T__				10.5	0.80			15134334	FDSN	IR	--	ISC	iLoc	???	???	_
MORC	1.26	5.7	Sn	04:58:16.771	-0.9	T__								15134335	FDSN	CZ	--	BUD	iLoc	BHE	???	_
AO13A	1.38	251.1	Pn	04:58:01.007	0.1	T__								15134336	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
AO13A	1.38	251.1	Lg	04:58:20.494	-0.7	T__								15134337	FDSN	Z3	00	BUD	iLoc	HHN	???	_
ARSA	1.77	224.6	Lg	04:58:34.345	0.6	T__				0.7	0.26			15134338	FDSN	IR	--	ISC	iLoc	???	???	_
MOA	2.17	253.0	Sn	04:58:40.972	0.9	T__				0.4	0.16			15134339	FDSN	IR	--	ISC	iLoc	???	???	_
PRU	2.35	309.6	Lg	04:58:52.600	2.2	T__				1.9	0.50			15134340	FDSN	IR	--	ISC	iLoc	???	???	_
KHC	2.56	285.1	Lg	04:58:58.600	0.8	T__				36.3	2.50			15134341	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
 2018/12/17 08:54:43.30 3.15 0.71 47.8224 20.5818 22.9 8.1 154 0.0S 4 3 239 0.47 0.66 m sx BUD 15134342 iLoc 311
 (description : suspected quarry blast)

Magnitude Err Nsta Author OrigID

Sta	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	0.47	282.0	Pg	08:54:53.956	0.3					T__						15134344	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.47	282.0	Lg	08:55:00.928	-0.5					T__						15134345	FDSN	GE	--	BUD	iLoc	BHN	???	_
ABAH	0.65	42.7	Lg	08:55:06.882	-0.3					T__						15134346	FDSN	HU	--	BUD	iLoc	HHE	???	_
KECS	0.66	354.5	Lg	08:55:06.781	-0.0					T__						15134347	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
 2018/12/17 10:57:21.70 3.83 1.07 45.8207 18.3944 26.4 8.1 163 0.0S 6 4 259 0.34 1.30 m kx BUD 15134348 iLoc 320
 2018/12/17 10:57:22.07f 0.61 45.8525 18.3977f 0.0S 6 253 0.31 1.29 m kx BUD_GT 15137289 BUD 320

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

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KOVH	0.31	318.7	Pg	10:57:29.208	0.2					T__						15139024	FDSN	HU	--	BUD	BUD	BHZ	???	_
KOVH	0.31	318.7	Lg	10:57:34.500	0.1					T__						15139025	FDSN	HU	--	BUD	BUD	BHN	???	_
MORH	0.40	25.2	Pg	10:57:30.938	0.3					T__						15139027	FDSN	HU	--	BUD	BUD	BHZ	???	_

MORH	0.40	25.2	Lg	10:57:37.147	-0.1	T__	---	15139028	FDSN	HU	--	BUD	BUD	BHN	???	_
A273A	0.41	279.1	Lg	10:57:36.030	-1.4	T__	---	15139026	FDSN	Z3	--	BUD	BUD	HHN	???	_
BEHE	1.29	299.3	Lg	10:58:07.020	0.2	T__	---	15139029	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
2018/12/17	10:59:53.63	1.10	1.26	46.8769	17.2636	7.6	4.4	63	0.0S	11	6	116	0.11	1.25	m	kx	BUD	15134530	iLoc			170
(locality : Várvölgy Hungary)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	6	BUD	15134530

Sta	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	0.11	313.7	Pg	10:59:57.894	1.4					T__						15134532	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.11	313.7	Lg	10:59:59.417	0.5					T__						15134533	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A263A	0.24	171.5	Pg	11:00:00.261	1.2					T__						15134534	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.24	171.5	Lg	11:00:04.511	1.3					T__						15134535	FDSN	Z3	00	BUD	iLoc	HHE	???	_
MPLH	0.35	32.7	Pg	11:00:01.615	0.5					T__						15134536	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.35	32.7	Lg	11:00:08.027	1.1					T__						15134537	FDSN	HU	--	BUD	iLoc	BHN	???	_
KOVH	0.98	143.5	Pg	11:00:13.625	0.2					T__						15134538	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.98	143.5	Lg	11:00:27.824	-0.5					T__						15134539	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.16	124.3	Pg	11:00:18.155	1.4					T__						15134540	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.16	124.3	Sn	11:00:33.625	-0.3					T__						15134541	FDSN	HU	--	BUD	iLoc	BHN	???	_
ARSA	1.25	288.1	Pn	11:00:15.611	-1.9					T__						15134542	FDSN	OE	--	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
2018/12/18	10:18:16.77	1.26	0.65	48.5177	20.7871	13.1	4.5	5	0.0S	11	7	156	0.20	1.30	m	kx	BUD	15134363	iLoc			198
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15134363

Sta	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	260.3	Pg	10:18:21.016	-0.0					T__						15134365	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.20	260.3	Lg	10:18:25.429	1.1					T__						15134366	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.37	126.2	Pg	10:18:24.976	0.5					T__						15134367	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.37	126.2	Lg	10:18:30.607	-0.4					T__						15134368	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.85	225.2	Pg	10:18:34.426	-0.2					T__						15134369	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.85	225.2	Lg	10:18:48.427	0.6					T__						15134370	FDSN	GE	--	BUD	iLoc	BHE	???	_
KOLS	1.07	66.5	Pn	10:18:38.778	0.2					T__						15134371	FDSN	SK	--	BUD	iLoc	HHZ	???	_
A336A	1.23	257.2	Lg	10:18:59.157	-0.2					T__						15134372	FDSN	Z3	00	BUD	iLoc	HH2	???	_
TRPA	1.23	107.7	Pn	10:18:40.654	-0.1					T__						15134373	FDSN	HU	--	BUD	iLoc	BHZ	???	_
VYHS	1.30	269.7	Pn	10:18:41.626	0.2					T__						15134374	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.30	269.7	Sn	10:18:59.703	-1.1					T__						15134375	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
2018/12/18	11:19:08.64	1.32	0.53	48.5425	20.8065	8.7	5.1	1	0.0S	9	5	121	0.22	1.24	m	kx	BUD	15134519	iLoc			234
(description : known quarry blast)																						
(locality : Dvorniky-Vcelare Slovakia)																						

Magnitude	Err	Nsta	Author	OrigID
M	2.0	5	BUD	15134519

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KECS	0.22	254.6	Pg	11:19:13.016	-0.2					T__						15134521	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.22	254.6	Lg	11:19:17.619	0.8					T__						15134522	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.38	130.3	Pg	11:19:16.623	0.2					T__						15134523	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.38	130.3	Lg	11:19:22.486	-0.6					T__						15134524	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.87	224.7	Pn	11:19:27.911	0.4					T__						15134525	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.87	224.7	Lg	11:19:40.100	-0.5					T__						15134526	FDSN	GE	--	BUD	iLoc	BHN	???	_
STHS	0.92	18.1	Pg	11:19:25.462	-0.2					T__						15134527	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.24	256.3	Pg	11:19:33.169	-0.4					T__						15134528	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	1.24	256.3	Lg	11:19:51.453	-0.3					T__						15134529	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
2018/12/19	08:16:57.46	0.13	0.31	46.0392	22.8331	1.3	0.9	108	9.3F	1.5	20	72	0.16	1.66	a	ke	BUC	15113698	ISC			360
2018/12/19	08:16:56.57	0.93	0.79	46.0654	22.8032	4.2	3.2	100	0.0S	34	10	70	0.19	1.69	m	sx	BUD	15134543	iLoc			119
(description : suspected quarry blast)																						
(locality : Baita Romania)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.5		BUC	15113698
M	1.6	5	BUD	15134543

Sta	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	159.6	Pg	08:17:00.646	0.4					T__						15134545	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.19	159.6	Lg	08:17:03.496	0.5					T__						15134546	FDSN	RO	--	BUD	iLoc	BHN	???	_
MARR	0.65	19.6	Pg	08:17:10.615	0.9					T__						15134547	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	19.6	Pg	08:17:10.615	0.9					T__						15134548	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.65	19.6	Lg	08:17:19.843	-0.6					T__						15134549	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	181.6	Pg	08:17:09.862	0.3					T__						15134550	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	181.6	Pg	08:17:09.862	0.3					T__						15134551	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.67	181.6	Pg	08:17:10.111	0.6					T__						15134552	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.67	181.6	Lg	08:17:19.475	0.2					T__						15134553	FDSN	RO	--	BUD	iLoc	BHE	???	_
GZR	0.67	181.6	Lg	08:17:19.634	0.4					T__						15134554	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	355.0	Pg	08:17:12.103	0.7					T__						15134555	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	355.0	Pg	08:17:12.103	0.7					T__						15134556	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	355.0	Pg	08:17:12.605	1.2					T__						15134557	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.73	355.0	Lg	08:17:22.885	-0.6					T__						15134558	FDSN	RO	--	BUD	iLoc	BHE	???	_
SIRR	0.82	284.6	Pg	08:17:13.368	-0.1					T__						15134559	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.82	284.6	Lg	08:17:26.702	0.5					T__						15134560	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.82	284.7	Lg	08:17:25.703	-0.5					T__						15134561	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	40.0	Pg	08:17:14.582	1.1					T__						15134562	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	40.0	Pg	08:17:14.582	1.1					T__						15134563	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.85	40.0	Lg	08:17:25.679	-1.3					T__						15134564	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.93	241.6	Pn	08:17:16.473	0.9					T__						15134565	FDSN	RO	--	BUD	iLoc	BHZ	???	_

BZS	0.93	241.6	Sn	08:17:29.908	-0.7	T__	---	15134566	FDSN	RO	--	BUD	iLoc	BHE	???	_
BZS	0.94	242.0	Pn	08:17:15.969	0.2	T__	---	15134567	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.94	242.0	Pn	08:17:15.969	0.2	T__	---	15134568	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.94	242.0	Lg	08:17:27.946	-0.8	T__	---	15134569	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.1	Pn	08:17:20.381	0.5	T__	---	15134570	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.1	Pn	08:17:20.381	0.5	T__	---	15134571	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.22	193.1	Lg	08:17:36.696	0.1	T__	---	15134572	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.3	Pn	08:17:24.208	0.3	T__	---	15134573	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.3	Pn	08:17:24.208	0.3	T__	---	15134574	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.50	211.3	Sn	08:17:44.868	-0.6	T__	---	15134575	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.69	111.0	Pn	08:17:27.363	0.2	T__	---	15134576	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.69	111.0	Pn	08:17:27.363	0.2	T__	---	15134577	FDSN	IR	--	ISC	iLoc	???	???	_
VOIR	1.69	111.0	Sn	08:17:48.801	-2.4	T__	---	15134578	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
2018/12/19	08:30:52.05	0.14	0.34	46.0434	22.8968	1.5	0.9	109	8.9F	1.6	20	75	0.16	1.62	a	ke	BUC	15113749	ISC			360
2018/12/19	08:30:51.13	0.94	0.75	46.0724	22.8721	4.2	2.8	96	0.0S	38	10	74	0.19	1.65	m	sx	BUD	15134600	iLoc			136
(locality : Baita Romania)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
ml	1.8		BUC	15113749
M	1.7	6	BUD	15134600

Sta	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	174.4	Pg	08:30:55.266	0.6					T__						15134602	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DEV	0.19	174.4	Lg	08:30:57.607	0.2					T__						15134603	FDSN	RO	--	BUD	iLoc	BHE	???	_
DEV	0.19	173.4	Pg	08:30:54.768	-0.0					T__						15134604	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.19	173.4	Pg	08:30:54.768	-0.0					T__		0.4				15134605	FDSN	IR	--	ISC	iLoc	???	???	_
DEV	0.19	173.4	Lg	08:30:58.499	0.9					T__		0.4				15134606	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	15.7	Pg	08:31:04.697	0.8					T__						15134607	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	15.7	Pg	08:31:04.697	0.8					T__						15134608	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	0.63	15.7	Lg	08:31:13.946	-0.3					T__						15134609	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	185.7	Pg	08:31:04.834	0.5					T__						15134610	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	0.68	185.7	Lg	08:31:14.138	-0.0					T__		0.1				15134611	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	0.68	185.7	Lg	08:31:14.299	0.2					T__						15134612	FDSN	RO	--	BUD	iLoc	BHE	???	_
DRGR	0.73	351.3	Pg	08:31:07.380	1.5					T__						15134613	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	351.3	Pg	08:31:07.380	1.5					T__						15134614	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	351.3	Lg	08:31:17.367	-0.6					T__						15134615	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	0.73	351.3	Pg	08:31:06.971	1.0					T__						15134616	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	0.73	351.3	Lg	08:31:17.098	-0.9					T__						15134617	FDSN	RO	--	BUD	iLoc	BHE	???	_
CJR	0.81	37.8	Pg	08:31:07.383	0.0					T__						15134619	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.81	37.8	Pg	08:31:07.383	0.0					T__						15134618	FDSN	IR	--	ISC	iLoc	???	???	_
CJR	0.81	37.8	Pn	08:31:10.432	1.2					T__						15134620	FDSN	RO	--	BUD	iLoc	BHZ	???	_
CJR	0.81	37.8	Lg	08:31:19.945	-0.3					T__						15134621	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	283.4	Pg	08:31:09.210	0.3					T__						15134622	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.86	283.4	Lg	08:31:21.068	-1.2					T__						15134623	FDSN	RO	--	BUD	iLoc	BHN	???	_
SIRR	0.86	283.5	Pg	08:31:08.885	-0.0					T__						15134624	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	283.5	Pg	08:31:08.885	-0.0					T__		0.1				15134625	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.86	283.5	Lg	08:31:21.475	-0.8					T__		0.1				15134626	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.97	242.7	Pn	08:31:11.246	0.4					T__						15134627	FDSN	RO	--	BUD	iLoc	BHZ	???	_

BZS	0.97	242.7	Lg	08:31:24.274	-0.1	T__	---	15134628	FDSN	RO	--	BUD	iLoc	BHE	???	???	_
BZS	0.99	243.0	Pn	08:31:11.132	0.1	T__	---	15134629	FDSN	IR	--	ISC	iLoc	???	???	???	_
BZS	0.99	243.0	Pn	08:31:11.132	0.1	T__	---	15134630	FDSN	IR	--	ISC	iLoc	???	???	???	_
HERR	1.23	195.2	Pg	08:31:14.955	0.2	T__	---	15134631	FDSN	IR	--	ISC	iLoc	???	???	???	_
HERR	1.23	195.2	Pg	08:31:14.955	0.2	T__	---	15134632	FDSN	IR	--	ISC	iLoc	???	???	???	_
HERR	1.23	195.2	Lg	08:31:31.815	0.1	T__	---	15134633	FDSN	IR	--	ISC	iLoc	???	???	???	_
MDVR	1.53	212.7	Pn	08:31:19.953	1.0	T__	---	15134634	FDSN	IR	--	ISC	iLoc	???	???	???	_
MDVR	1.53	212.7	Pn	08:31:19.953	1.0	T__	---	15134635	FDSN	IR	--	ISC	iLoc	???	???	???	_
MDVR	1.53	212.7	Sn	08:31:39.956	-0.9	T__	---	15134636	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	1.65	111.8	Pn	08:31:21.071	-0.1	T__	---	15134637	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	1.65	111.8	Pn	08:31:21.071	-0.1	T__	---	15134638	FDSN	IR	--	ISC	iLoc	???	???	???	_
VOIR	1.65	111.8	Sn	08:31:42.872	-1.8	T__	---	15134639	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
 2018/12/19 10:44:19.06 2.43 0.62 48.5561 20.7606 19.0 7.4 5 0.0S 6 4 221 0.20 1.28 m kx BUD 15134579 iLoc 314
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.3 3 BUD 15134579

Sta	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	248.3	Pg	10:44:23.337	0.1					T__	15.0	53.2		---	MLv	1.6	15134581	FDSN	SK	--	BUD	iLoc	EHE	EHZ	_	
KECS	0.20	248.3	Lg	10:44:26.950	0.5					T__				---		15134582	FDSN	SK	--	BUD	iLoc	EHN	???	_		
(Station ML : 1.6 1																										
ABAH	0.41	129.0	Pg	10:44:27.609	0.1					T__	1.2	6.8		---	MLv	1.3	15134583	FDSN	HU	--	BUD	iLoc	HHZ	HHZ	_	
(Station ML : 1.3 1																										
PSZ	0.86	222.5	Pg	10:44:37.477	0.3					T__	1.8	6.3		---	MLv	1.8	15134584	FDSN	GE	--	BUD	iLoc	BHZ	BHZ	_	
PSZ	0.86	222.5	Lg	10:44:49.993	-0.6					T__				---		15134585	FDSN	GE	--	BUD	iLoc	BHE	???	_		
(Station ML : 1.8 1																										
VYHS	1.28	267.9	Lg	10:45:02.800	-0.6					T__				---		15134586	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
 2018/12/19 11:14:45.12 1.28 0.71 48.5898 20.8304 9.1 4.8 22 0.0S 12 7 168 0.25 1.33 m kx BUD 15134640 iLoc 204
 (locality : Dvorniky-Vcelare Slovakia)
 (description : known quarry blast)

Magnitude Err Nsta Author OrigID
 M 1.6 4 BUD 15134640

Sta	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	245.2	Pg	11:14:50.588	0.2					T__				---		15134642	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.25	245.2	Lg	11:14:53.375	-1.0					T__				---		15134643	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.25	245.2	Lg	11:14:55.100	0.7					T__		0.5		---		15134644	FDSN	IR	--	ISC	iLoc	???	???	_
ABAH	0.40	137.0	Pg	11:14:54.214	0.9					T__				---		15134645	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.40	137.0	Lg	11:14:59.999	-0.2					T__				---		15134646	FDSN	HU	--	BUD	iLoc	HHN	???	_
PSZ	0.92	223.3	Pn	11:15:04.589	-0.0					T__				---		15134647	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.92	223.3	Lg	11:15:18.617	-0.0					T__				---		15134648	FDSN	GE	--	BUD	iLoc	BHN	???	_

LANS	1.06	302.5	Pg	11:15:06.168	0.3	T__	---	15134649	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	1.06	302.5	Lg	11:15:21.796	0.4	T__	---	15134650	FDSN	SK	--	BUD	iLoc	EHN	???	_
TRPA	1.23	111.3	Sn	11:15:26.891	-1.2	T__	---	15134651	FDSN	HU	--	BUD	iLoc	BHN	???	_
A336A	1.27	254.4	Lg	11:15:29.732	0.6	T__	---	15134652	FDSN	Z3	00	BUD	iLoc	HH2	???	_
VYHS	1.33	266.6	Lg	11:15:30.599	-0.4	T__	---	15134653	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
2018/12/19	11:46:24.25	1.12	0.57	48.6644	19.9113	4.5	4.2	24	0.0S	15	8	92	0.42	0.97	m	sx	BUD	15134654	iLoc			142
(locality : Tisovec Slovakia)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.7	6	BUD	15134654

Sta	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	115.2	Pg	11:46:32.798	0.0	T__	---								15134656	FDSN	SK	--	BUD	iLoc	EHE	???	_	
KECS	0.42	115.2	Lg	11:46:38.481	-0.8	T__	---								15134657	FDSN	SK	--	BUD	iLoc	EHE	???	_	
LANS	0.57	329.1	Pg	11:46:35.967	0.5	T__	---								15134658	FDSN	SK	--	BUD	iLoc	EHZ	???	_	
LANS	0.57	329.1	Lg	11:46:42.865	-1.0	T__	---								15134659	FDSN	SK	--	BUD	iLoc	EHN	???	_	
VYHS	0.73	257.0	Pg	11:46:39.709	0.7	T__	---								15134660	FDSN	SK	--	BUD	iLoc	HHZ	???	_	
VYHS	0.73	257.0	Lg	11:46:49.281	-0.5	T__	---								15134661	FDSN	SK	--	BUD	iLoc	HHN	???	_	
A336A	0.75	235.0	Pg	11:46:39.202	-0.0	T__	---								15134662	FDSN	Z3	00	BUD	iLoc	HHZ	???	_	
A336A	0.75	235.0	Lg	11:46:49.845	-0.3	T__	---								15134663	FDSN	Z3	00	BUD	iLoc	HH3	???	_	
PSZ	0.75	180.9	Pg	11:46:40.152	0.1	T__	---								15134664	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.75	180.9	Lg	11:46:51.480	-0.3	T__	---								15134665	FDSN	GE	--	BUD	iLoc	BHE	???	_	
NIE	0.80	19.1	Pg	11:46:39.769	0.5	T__	---								15134666	FDSN	PL	--	BUD	iLoc	BHZ	???	_	
NIE	0.80	19.1	Lg	11:46:50.042	-0.9	T__	---								15134667	FDSN	PL	--	BUD	iLoc	BHE	???	_	
ABAH	0.96	112.1	Pn	11:46:44.357	0.2	T__	---								15134668	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ABAH	0.96	112.1	Lg	11:46:58.937	0.2	T__	---								15134669	FDSN	HU	--	BUD	iLoc	HHE	???	_	
A332A	0.97	278.9	Pg	11:46:43.447	0.1	T__	---								15134670	FDSN	Z3	00	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
2018/12/20	09:00:53.03	1.01	1.21	48.5294	20.7725	6.7	4.0	0	0.0S	14	8	97	0.20	1.29	m	kx	BUD	15134671	iLoc			158
(locality : Dvorniky-Vcelare Slovakia)																						
(description : known quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.4	6	BUD	15134671

Sta	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	256.5	Pg	09:00:57.010	-0.2	T__	---								15134673	FDSN	SK	--	BUD	iLoc	EHE	???	_	
KECS	0.20	256.5	Lg	09:01:01.350	1.0	T__	---								15134674	FDSN	SK	--	BUD	iLoc	EHN	???	_	
ABAH	0.39	126.7	Pg	09:01:01.305	0.3	T__	---								15134675	FDSN	HU	--	BUD	iLoc	HHZ	???	_	
ABAH	0.39	126.7	Lg	09:01:08.196	0.4	T__	---								15134676	FDSN	HU	--	BUD	iLoc	HHN	???	_	
PSZ	0.85	224.2	Pg	09:01:11.115	0.2	T__	---								15134677	FDSN	GE	--	BUD	iLoc	BHZ	???	_	
PSZ	0.85	224.2	Lg	09:01:22.532	-1.6	T__	---								15134678	FDSN	GE	--	BUD	iLoc	BHN	???	_	
NIE	0.94	341.4	Pn	09:01:12.966	0.1	T__	---								15134679	FDSN	PL	--	BUD	iLoc	BHZ	???	_	
NIE	0.94	341.4	Lg	09:01:25.070	0.8	T__	---								15134680	FDSN	PL	--	BUD	iLoc	BHN	???	_	

KOLS	1.07	67.3	Lg	09:01:29.706	-1.0	T__	---	15134681	FDSN	SK	--	BUD	iLoc	HHE	???	_
A336A	1.22	256.6	Lg	09:01:35.871	0.5	T__	---	15134682	FDSN	Z3	00	BUD	iLoc	HH3	???	_
TRPA	1.24	108.1	Pn	09:01:19.086	1.9	T__	---	15134683	FDSN	HU	--	BUD	iLoc	BHZ	???	_
TRPA	1.24	108.1	Sn	09:01:33.897	-2.4	T__	---	15134684	FDSN	HU	--	BUD	iLoc	BHN	???	_
VYHS	1.29	269.1	Pn	09:01:18.019	0.5	T__	---	15134685	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	1.29	269.1	Sn	09:01:35.916	-0.9	T__	---	15134686	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
2018/12/20	11:25:56.58	1.50	0.63	46.8094	17.1198	10.4	6.4	104	8.0F	13.1	9	6	152	0.14	1.21	m	ke BUD	15136849	iLoc			226

Magnitude	Err	Nsta	Author	OrigID
M	1.5	5	BUD	15136849

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
A261A	0.14	7.9	Pg	11:26:00.916	0.9					T__						15136851	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A261A	0.14	7.9	Lg	11:26:02.425	-0.3					T__						15136852	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A263A	0.22	141.4	Lg	11:26:04.458	-0.6					T__						15136853	FDSN	Z3	00	BUD	iLoc	HHE	???	_
BEHE	0.41	215.1	Pg	11:26:05.150	-0.1					T__						15136854	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	0.46	38.4	Pg	11:26:05.346	-0.6					T__						15136855	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.99	136.4	Pg	11:26:17.059	0.6					T__						15136856	FDSN	HU	--	BUD	iLoc	BHZ	???	_
KOVH	0.99	136.4	Sn	11:26:30.713	-0.1					T__						15136857	FDSN	HU	--	BUD	iLoc	BHE	???	_
MORH	1.21	118.9	Pg	11:26:20.787	0.3					T__						15136858	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.21	118.9	Lg	11:26:37.514	0.0					T__						15136859	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	
2018/12/21	05:58:36.29	1.12	1.26	48.6421	19.3995	5.2	4.8	139	0.0A		14	7	96	0.40	0.80	m	ke BUD	15134709	iLoc				176

Magnitude	Err	Nsta	Author	OrigID
M	1.5	7	BUD	15134709

Sta	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	248.6	Pg	05:58:45.633	1.2					T__						15134711	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.40	248.6	Lg	05:58:50.875	0.3					T__						15134712	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.49	213.2	Pg	05:58:47.671	1.5					T__						15134713	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.49	213.2	Lg	05:58:53.995	0.6					T__						15134714	FDSN	Z3	00	BUD	iLoc	HH2	???	_
LANS	0.51	5.0	Pg	05:58:47.720	1.3					T__						15134715	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.51	5.0	Lg	05:58:54.081	0.1					T__						15134716	FDSN	SK	--	BUD	iLoc	EHN	???	_
A332A	0.64	285.1	Pg	05:58:50.512	1.5					T__						15134717	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.64	285.1	Lg	05:58:56.922	-1.5					T__						15134718	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A335A	0.73	254.9	Pn	05:58:51.652	-1.2					T__						15134719	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.73	254.9	Lg	05:59:00.174	-1.6					T__						15134720	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	0.74	102.0	Pn	05:58:51.944	-1.0					T__						15134721	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.74	102.0	Lg	05:59:01.129	-0.9					T__						15134722	FDSN	SK	--	BUD	iLoc	EHN	???	_
PSZ	0.80	155.3	Pn	05:58:53.623	-0.3					T__						15134723	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.80	155.3	Lg	05:59:04.437	-1.1					T__						15134724	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
2018/12/21	09:01:50.06	1.56	0.60	48.5915	20.7967	11.7	5.5	17	0.0S	9	6	191	0.23	1.31	m	sx	BUD	15134698	iLoc			279
(locality : Dvorniky-Vcelare Slovakia)																						
(description : suspected quarry blast)																						

Magnitude	Err	Nsta	Author	OrigID
M	1.5	4	BUD	15134698

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACH	L
KECS	0.23	242.4	Pg	09:01:54.964	0.1					T__						15134700	FDSN	SK	--	BUD	iLoc	EHE	???	_
KECS	0.23	242.4	Lg	09:01:59.367	0.7					T__						15134701	FDSN	SK	--	BUD	iLoc	EHN	???	_
ABAH	0.42	134.9	Pg	09:01:59.020	0.4					T__						15134702	FDSN	HU	--	BUD	iLoc	HHZ	???	_
ABAH	0.42	134.9	Lg	09:02:05.166	-0.6					T__						15134703	FDSN	HU	--	BUD	iLoc	HHE	???	_
PSZ	0.90	222.2	Pn	09:02:09.653	0.3					T__						15134704	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.90	222.2	Lg	09:02:22.703	-0.4					T__						15134705	FDSN	GE	--	BUD	iLoc	BHN	???	_
LANS	1.04	303.0	Pg	09:02:10.614	0.2					T__						15134706	FDSN	SK	--	BUD	iLoc	EHZ	???	_
A336A	1.25	254.0	Lg	09:02:33.263	-0.1					T__						15134707	FDSN	Z3	00	BUD	iLoc	HH3	???	_
VYHS	1.31	266.4	Sn	09:02:33.469	-0.9					T__						15134708	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	
2018/12/21	22:40:49.57	1.09	0.75	48.6491	19.4138	5.0	4.4	150	15.9F	16.1	15	8	79	0.41	0.97	m	ke	BUD	15134834	iLoc			118

Magnitude	Err	Nsta	Author	OrigID
M	1.3	7	BUD	15134834

Sta	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	0.41	248.2	Pg	22:40:58.575	0.2					T__						15134836	FDSN	SK	--	BUD	iLoc	HHZ	???	_
VYHS	0.41	248.2	Lg	22:41:03.995	-0.6					T__						15134837	FDSN	SK	--	BUD	iLoc	HHN	???	_
A336A	0.50	213.7	Pg	22:41:00.875	0.9					T__						15134838	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A336A	0.50	213.7	Lg	22:41:07.096	-0.2					T__						15134839	FDSN	Z3	00	BUD	iLoc	HH3	???	_
LANS	0.50	4.0	Pg	22:41:00.433	0.6					T__						15134840	FDSN	SK	--	BUD	iLoc	EHZ	???	_
LANS	0.50	4.0	Lg	22:41:06.743	-0.5					T__						15134841	FDSN	SK	--	BUD	iLoc	EHN	???	_
A332A	0.65	284.2	Pn	22:41:02.818	-0.3					T__						15134842	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A332A	0.65	284.2	Lg	22:41:11.293	-0.5					T__						15134843	FDSN	Z3	00	BUD	iLoc	HHN	???	_
KECS	0.73	102.7	Pn	22:41:04.453	0.1					T__						15134844	FDSN	SK	--	BUD	iLoc	EHN	???	_
KECS	0.73	102.7	Lg	22:41:14.122	-0.9					T__						15134845	FDSN	SK	--	BUD	iLoc	EHN	???	_
A335A	0.74	254.6	Pn	22:41:04.582	0.1					T__						15134846	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A335A	0.74	254.6	Lg	22:41:14.573	-0.5					T__						15134847	FDSN	Z3	00	BUD	iLoc	HHN	???	_
PSZ	0.80	156.1	Pg	22:41:07.150	0.7					T__						15134848	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	0.80	156.1	Lg	22:41:16.768	-1.4					T__						15134849	FDSN	GE	--	BUD	iLoc	BHN	???	_
NIE	0.97	37.2	Lg	22:41:21.527	-0.4					T__						15134850	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	
2018/12/26	20:14:40.70	0.40		46.1800	20.7000	0.1	0.0		0.0F	0.0	16			0.85	2.14	a	ke	BEO	15113820	ISC			360
2018/12/26	20:14:39.87	0.88	1.81	46.1905	20.7399	3.4	3.0	49	7.0F	0.9	53	23	59	0.56	2.16	m	ke	BUD	15134725	iLoc			72

Magnitude	Err	Nsta	Author	OrigID
ML	1.9		BEO	15113820

M	2.1	7 BUD	15134725																					
Sta	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	0.56	143.4	Pg	20:14:51.160	0.0					T__						15134727	FDSN	IR	--	ISC	iLoc	???	???	_
TIM	0.56	143.4	Lg	20:14:58.098	-1.4					T__						15134728	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.64	82.8	Pg	20:14:52.783	-0.3					T__						15134729	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.64	82.8	Lg	20:15:02.056	-0.9					T__						15134730	FDSN	IR	--	ISC	iLoc	???	???	_
SIRR	0.65	83.0	Pg	20:14:52.513	-0.6					T__						15134731	FDSN	RO	--	BUD	iLoc	BHZ	???	_
SIRR	0.65	83.0	Lg	20:15:02.195	-0.8					T__						15134732	FDSN	RO	--	BUD	iLoc	BHN	???	_
BZS	0.84	132.8	Lg	20:15:07.120	-1.3					T__						15134733	FDSN	IR	--	ISC	iLoc	???	???	_
BZS	0.85	132.0	Pg	20:14:56.146	-0.4					T__						15134734	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BZS	0.85	132.0	Lg	20:15:07.280	-1.8					T__						15134735	FDSN	RO	--	BUD	iLoc	BHE	???	_
BANR	0.85	161.0	Lg	20:15:07.351	-1.8					T__						15134736	FDSN	IR	--	ISC	iLoc	???	???	_
BANR	0.85	160.9	Pg	20:14:56.310	-0.2					T__						15134737	FDSN	RO	--	BUD	iLoc	BHZ	???	_
BANR	0.85	160.9	Lg	20:15:09.269	0.1					T__						15134738	FDSN	RO	--	BUD	iLoc	BHE	???	_
SURR	1.06	113.8	Pn	20:15:00.775	1.1					T__						15134739	FDSN	IR	--	ISC	iLoc	???	???	_
SURR	1.06	113.8	Lg	20:15:14.228	-1.6					T__						15134740	FDSN	IR	--	ISC	iLoc	???	???	_
VRSS	1.14	158.8	Pn	20:15:00.900	-0.0					T__						15134741	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.15	38.3	Pg	20:15:04.022	1.0					T__						15134742	FDSN	IR	--	ISC	iLoc	???	???	_
BORR	1.15	38.3	Lg	20:15:20.944	0.3					T__						15134743	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.22	212.6	Pn	20:14:59.200	-2.9					T__		0.2				15134744	FDSN	IR	--	ISC	iLoc	???	???	_
FRGS	1.22	212.6	Sn	20:15:14.200	-5.2					T__		0.2				15134745	FDSN	IR	--	ISC	iLoc	???	???	_
MORH	1.46	271.7	Pn	20:15:05.057	-0.3					T__						15134746	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.46	271.7	Pg	20:15:07.834	-0.7					T__						15134747	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MORH	1.46	271.7	Sn	20:15:26.786	1.8					T__						15134748	FDSN	HU	--	BUD	iLoc	BHN	???	_
MORH	1.46	271.7	Sn	20:15:25.800	0.8					T__						15134749	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.49	65.5	Pg	20:15:08.611	-0.7					T__						15134750	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.49	65.5	Sn	20:15:28.100	1.3					T__						15134751	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.49	65.5	Lg	20:15:28.994	-2.9					T__						15134752	FDSN	IR	--	ISC	iLoc	???	???	_
DRGR	1.49	65.5	Pg	20:15:08.974	-0.4					T__						15134753	FDSN	RO	--	BUD	iLoc	BHZ	???	_
DRGR	1.49	65.5	Sn	20:15:25.547	-1.3					T__						15134754	FDSN	RO	--	BUD	iLoc	BHN	???	_
AVAS	1.50	186.2	Pn	20:15:07.800	1.8					T__						15134755	FDSN	IR	--	ISC	iLoc	???	???	_
AVAS	1.50	186.2	Sn	20:15:27.200	1.0					T__						15134756	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.57	153.7	Pn	20:15:08.644	1.5					T__						15134757	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.57	153.7	Pg	20:15:08.800	-1.6					T__						15134758	FDSN	IR	--	ISC	iLoc	???	???	_
MDVR	1.57	153.7	Sn	20:15:28.361	0.1					T__						15134759	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	118.5	Pn	20:15:08.784	0.8					T__						15134760	FDSN	RO	--	BUD	iLoc	BHZ	???	_
GZR	1.63	118.5	Pn	20:15:08.927	0.9					T__						15134761	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	118.5	Sn	20:15:31.319	1.3					T__						15134762	FDSN	IR	--	ISC	iLoc	???	???	_
GZR	1.63	118.5	Lg	20:15:31.800	-2.5					T__		0.1				15134763	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.72	72.7	Pg	20:15:12.547	-1.1					T__						15134764	FDSN	IR	--	ISC	iLoc	???	???	_
MARR	1.72	72.7	Sn	20:15:35.254	2.5					T__						15134765	FDSN	IR	--	ISC	iLoc	???	???	_
A267A	1.73	296.7	Lg	20:15:37.407	-0.9					T__						15134766	FDSN	Z3	00	BUD	iLoc	HHN	???	_
HERR	1.76	137.4	Pn	20:15:10.397	0.7					T__						15134767	FDSN	IR	--	ISC	iLoc	???	???	_
HERR	1.76	137.4	Sn	20:15:32.571	-0.4					T__						15134768	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.82	341.8	Lg	20:15:40.498	-2.4					T__						15134769	FDSN	IR	--	ISC	iLoc	???	???	_
PSZ	1.82	341.8	Pn	20:15:11.908	1.1					T__						15134770	FDSN	GE	--	BUD	iLoc	BHZ	???	_
PSZ	1.82	341.8	Pg	20:15:16.832	-0.3					T__						15134771	FDSN	GE	--	BUD	iLoc	BHZ	???	_
TEKS	1.85	207.9	Pn	20:15:14.100	3.2					T__						15134772	FDSN	IR	--	ISC	iLoc	???	???	_
TEKS	1.85	207.9	Sn	20:15:36.500	1.9					T__						15134773	FDSN	IR	--	ISC	iLoc	???	???	_
KUBS	1.90	159.3	Pn	20:15:13.000	1.3					T__						15134774	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.98	187.0	Pn	20:15:16.000	3.4					T__						15134775	FDSN	IR	--	ISC	iLoc	???	???	_
TRUS	1.98	187.0	Sn	20:15:41.000	3.4					T__						15134776	FDSN	IR	--	ISC	iLoc	???	???	_

A265A	2.05	277.6	Sn	20:15:41.362	1.4	T__	---	15134777	FDSN	Z3	00	BUD	iLoc	HHE	???	_
ABAH	2.13	9.0	Lg	20:15:51.500	-2.1	T__	---	15134778	FDSN	IR	--	ISC	iLoc	???	???	_
DIVS	2.16	194.5	Pn	20:15:18.900	3.6	T__	---	15134779	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
2018/12/28	09:26:07.98	1.09	0.65	47.8543	19.1377	5.3	4.0	166	0.0S	15	10	109	0.08	1.28	m	kx	BUD	15134780	iLoc			155
2018/12/28	09:26:07.87f		0.68	47.8355	19.1270f				0.0S	15		110	0.07	1.27	m	kx	BUD_GT	15137292	BUD			158

(GT info : GT2 explosion)

(description : known quarry blast)

(locality : Sejce-Vác Hungary)

Magnitude	Err	Nsta	Author	OrigID
M	1.6	5	BUD	15137292

Sta	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	09:26:09.777	-0.1				T__							15139030	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A270A	0.07	277.6	Lg	09:26:12.320	0.9				T__							15139031	FDSN	Z3	00	BUD	BUD	HHN	???	_
BUD	0.36	191.2	Lg	09:26:22.074	0.3				T__							15139032	FDSN	HU	--	BUD	BUD	BHN	???	_
A336A	0.41	347.9	Pg	09:26:16.014	-0.3				T__							15139033	FDSN	Z3	00	BUD	BUD	HHZ	???	_
A336A	0.41	347.9	Lg	09:26:21.932	-0.5				T__							15139034	FDSN	Z3	00	BUD	BUD	HH3	???	_
PSZ	0.52	80.6	Pg	09:26:19.771	0.5				T__							15139035	FDSN	GE	--	BUD	BUD	BHZ	???	_
PSZ	0.52	80.6	Lg	09:26:26.590	-1.2				T__							15139036	FDSN	GE	--	BUD	BUD	BHN	???	_
A338A	0.55	289.3	Lg	09:26:26.492	-1.0				T__							15139037	FDSN	Z3	00	BUD	BUD	HH2	???	_
SR0	0.55	268.0	Lg	09:26:28.231	0.8				T__							15139038	FDSN	SK	--	BUD	BUD	EHE	???	_
VVHS	0.69	343.6	Pg	09:26:22.201	0.4				T__							15139039	FDSN	SK	--	BUD	BUD	HHZ	???	_
VVHS	0.69	343.6	Lg	09:26:31.641	-0.4				T__							15139040	FDSN	SK	--	BUD	BUD	HHN	???	_
A335A	0.81	319.4	Lg	09:26:35.083	-1.1				T__							15139041	FDSN	Z3	00	BUD	BUD	HHN	???	_
KECS	1.12	54.0	Pn	09:26:29.555	-0.3				T__							15139042	FDSN	SK	--	BUD	BUD	EHZ	???	_
KECS	1.12	54.0	Lg	09:26:45.839	-0.9				T__							15139043	FDSN	SK	--	BUD	BUD	EHN	???	_
MPLH	1.27	238.8	Lg	09:26:51.641	-0.1				T__							15139044	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	
2018/12/29	15:23:11.40		0.98	46.0900	16.4100				5.0A					1	1.12	1.35	a	ke	CSEM	15113900	ISC		360
2018/12/29	15:23:11.59	1.08	0.81	46.0803	16.4109	4.1	3.4	167	11.2F	6.7	35	18	107	0.35	1.89	m	ke	BUD	15134797	iLoc		140	

Magnitude	Err	Nsta	Author	OrigID
m1	1.8		CSEM	15113900
M	2.1	9	BUD	15134797

Sta	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	0.35	240.9	Pg	15:23:18.666	-0.3				T__							15134799	FDSN	CR	--	BUD	iLoc	BHZ	???	_
PTJ	0.35	240.9	Lg	15:23:23.937	-0.6				T__							15134800	FDSN	CR	--	BUD	iLoc	BHN	???	_
KOGS	0.38	343.2	Pg	15:23:20.600	1.0				T__			1.5				15134801	FDSN	IR	--	ISC	iLoc	???	???	_
KOGS	0.38	343.2	Pg	15:23:20.196	0.6				T__							15134802	FDSN	SL	--	BUD	iLoc	BHZ	???	_
KOGS	0.38	343.2	Lg	15:23:24.472	-1.0				T__							15134803	FDSN	SL	--	BUD	iLoc	BHZ	???	_
ZAG	0.39	229.6	Pg	15:23:19.497	-0.1				T__							15134804	FDSN	CR	--	BUD	iLoc	BHZ	???	_
ZAG	0.39	229.6	Lg	15:23:26.279	0.6				T__							15134805	FDSN	CR	--	BUD	iLoc	BHN	???	_
BEHE	0.46	32.8	Lg	15:23:28.100	-0.4				T__			0.4				15134806	FDSN	IR	--	ISC	iLoc	???	???	_

BEHE	0.46	32.8	Pg	15:23:21.205	-0.1	T__				15134807	FDSN	HU	--	BUD	iLoc	BHZ	???	_
BEHE	0.46	32.8	Lg	15:23:27.472	-1.0	T__				15134808	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A264A	0.62	82.3	Lg	15:23:34.149	0.9	T__				15134809	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A262A	0.79	5.8	Lg	15:23:39.144	0.6	T__				15134810	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A021A	0.79	329.3	Pn	15:23:28.123	0.4	T__				15134811	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A021A	0.79	329.3	Sn	15:23:39.663	-0.6	T__				15134812	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A263A	0.84	47.8	Pg	15:23:28.347	-0.1	T__				15134813	FDSN	Z3	00	BUD	iLoc	HHZ	???	_
A263A	0.84	47.8	Lg	15:23:39.523	-0.9	T__				15134814	FDSN	Z3	00	BUD	iLoc	HHN	???	_
A010A	1.02	347.2	Lg	15:23:45.693	0.2	T__				15134815	FDSN	Z3	00	BUD	iLoc	HHE	???	_
A265A	1.02	69.8	Lg	15:23:46.324	0.1	T__				15134816	FDSN	Z3	00	BUD	iLoc	HHN	???	_
SOKA	1.13	302.6	Pn	15:23:32.995	0.4	T__		1.0	0.48	15134817	FDSN	IR	--	ISC	iLoc	???	???	_
SOKA	1.13	302.6	Lg	15:23:47.368	-1.3	T__		1.1	0.16	15134818	FDSN	IR	--	ISC	iLoc	???	???	_
KOVH	1.18	89.0	Pn	15:23:33.355	0.1	T__				15134819	FDSN	HU	--	BUD	iLoc	BHZ	???	_
A252A	1.20	122.1	Pg	15:23:34.904	-0.4	T__				15134820	FDSN	Z3	--	BUD	iLoc	BHZ	???	_
A252A	1.20	122.1	Sn	15:23:50.260	-0.5	T__				15134821	FDSN	Z3	--	BUD	iLoc	BHN	???	_
ARSA	1.32	332.7	Pg	15:23:37.013	-0.1	T__				15134822	FDSN	OE	--	BUD	iLoc	BHZ	???	_
ARSA	1.32	332.7	Sn	15:23:52.724	-0.6	T__				15134823	FDSN	OE	--	BUD	iLoc	BHE	???	_
ARSA	1.32	332.7	Pn	15:23:35.900	0.7	T__		0.1		15134824	FDSN	IR	--	ISC	iLoc	???	???	_
ARSA	1.32	332.7	Pg	15:23:36.061	-1.0	T__		0.1	0.08	15134825	FDSN	IR	--	ISC	iLoc	???	???	_
MPLH	1.34	35.1	Pn	15:23:36.551	1.1	T__				15134826	FDSN	HU	--	BUD	iLoc	BHZ	???	_
MPLH	1.34	35.1	Sn	15:23:54.276	0.2	T__				15134827	FDSN	HU	--	BUD	iLoc	BHN	???	_
MPLH	1.34	35.1	Sn	15:23:54.600	0.4	T__		0.1		15134828	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.36	289.0	Lg	15:23:56.759	0.7	T__		3.7	0.34	15134829	FDSN	IR	--	ISC	iLoc	???	???	_
OBKA	1.36	289.1	Pg	15:23:36.703	-0.9	T__				15134830	FDSN	OE	--	BUD	iLoc	BHZ	???	_
OBKA	1.36	289.1	Lg	15:23:58.174	2.2	T__				15134831	FDSN	OE	--	BUD	iLoc	BHE	???	_
A012A	1.63	339.9	Lg	15:24:04.479	-1.0	T__				15134832	FDSN	Z3	00	BUD	iLoc	HH2	???	_
CONA	1.89	348.7	Lg	15:24:12.735	-1.0	T__				15134833	FDSN	OE	--	BUD	iLoc	BHE	???	_

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