

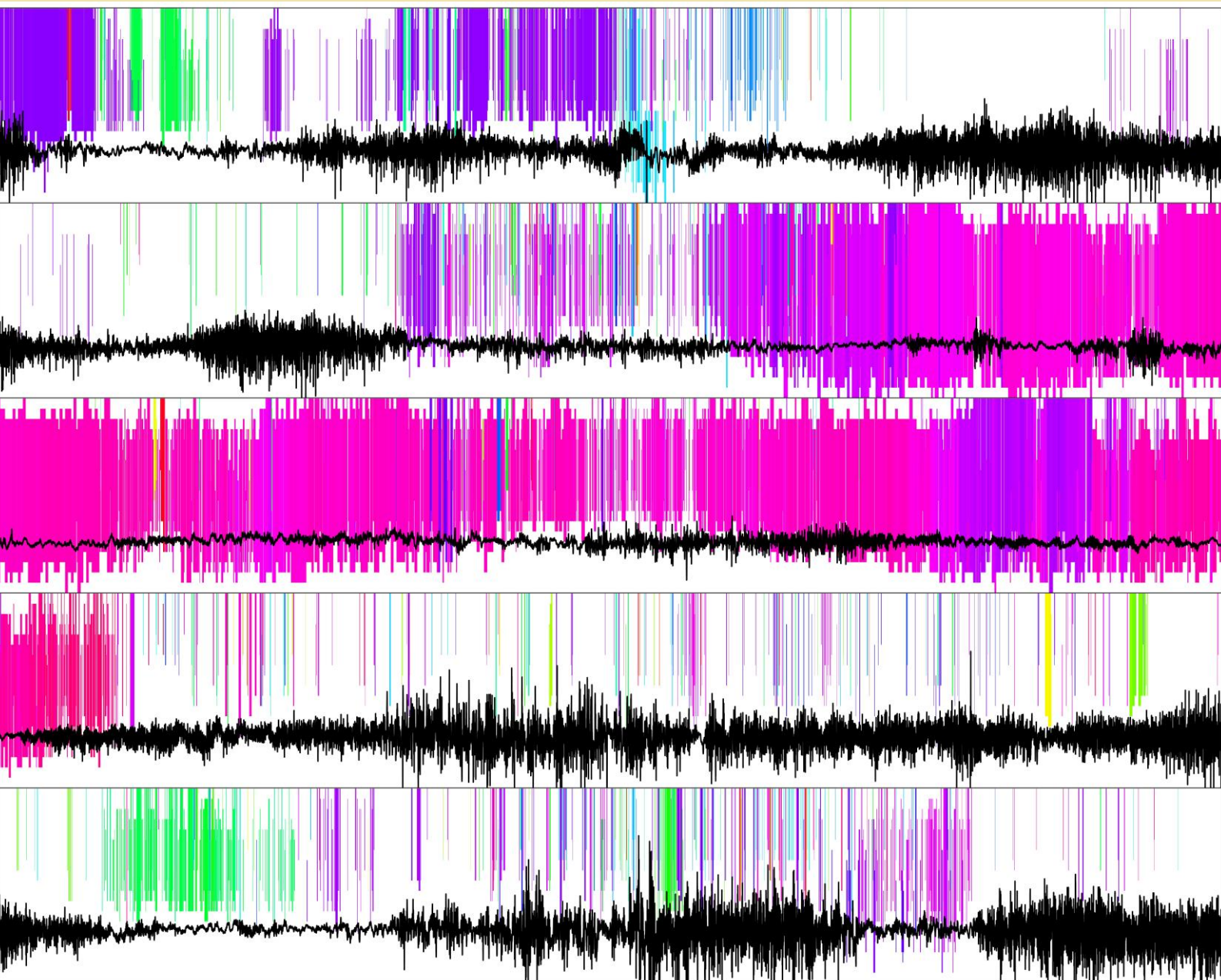
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Kövesligethy Radó Seismological Observatory,
HUN-REN Institute of Earth Physics and Space Science

Hungarian Seismo-Acoustic Bulletin

2024



Hungarian Seismo-Acoustic Bulletin

2024

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2025

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The Hungarian National Infrasonic Network

The Piskés-tető infrasonic array (PSZI)

The Hungarian National Infrasonic Network (HNIN, [doi:10.14470/UA114590](https://doi.org/10.14470/UA114590)) was established by the Kövesligethy Radó Seismological Observatory, Research Centre for Astronomy and Earth Sciences of the Hungarian Academy of Sciences, Budapest, Hungary with the deployment of the Piskés-tető (PSZI) infrasonic array in 2017 (Czanik and Bondár, 2017). The PSZI infrasonic array is registered at the International Registry of Seismographic Stations, and the HNIN has the FDSN network code HN (<https://geofon.gfz-potsdam.de/doi/network/HN>). The Geodetic and Geophysical Institute became an independent research institute from the Research Centre for Astronomy and Earth Sciences (CSFK) and assumed its present name of HUN-REN Institute of Earth Physics and Space Science (EPSS) on April 1, 2021. The Kövesligethy Radó Seismological Observatory, HUN-REN Institute of Earth Physics and Space Science is responsible for the operations, maintenance and providing data for the Hungarian seismological (HU) and infrasonic (HN) networks.

The Piskés-tető infrasonic array is located in Northern Hungary, in the Mátra Mountains, at approximately 930 m above sea level. The array consists of four elements and has an aperture of approximately 300 m. Each element of the array is equipped with a SeismoWave MB3d microbarometer with a built-in digitizer. The central element of the infrasonic array (PSZI1) is co-located with a permanent broadband seismological station, PSZ, jointly managed by the Kövesligethy Radó Seismological Observatory and the GFZ German Research Centre for Geosciences.

The site is covered with a temperate mixed forest with relatively dense undergrowth that helps to further reduce environmental noise. **Figure 1a** shows the elements of the array (red triangles) as well as the co-located seismic station, PSZ (blue circle). Note that the CSFK owns the site and the fence around the site basically determined the actual geometry and the aperture of the array. **Figure 1b** shows that the effect of somewhat suboptimal geometry is apparent in the error distribution of azimuth and velocity estimations.

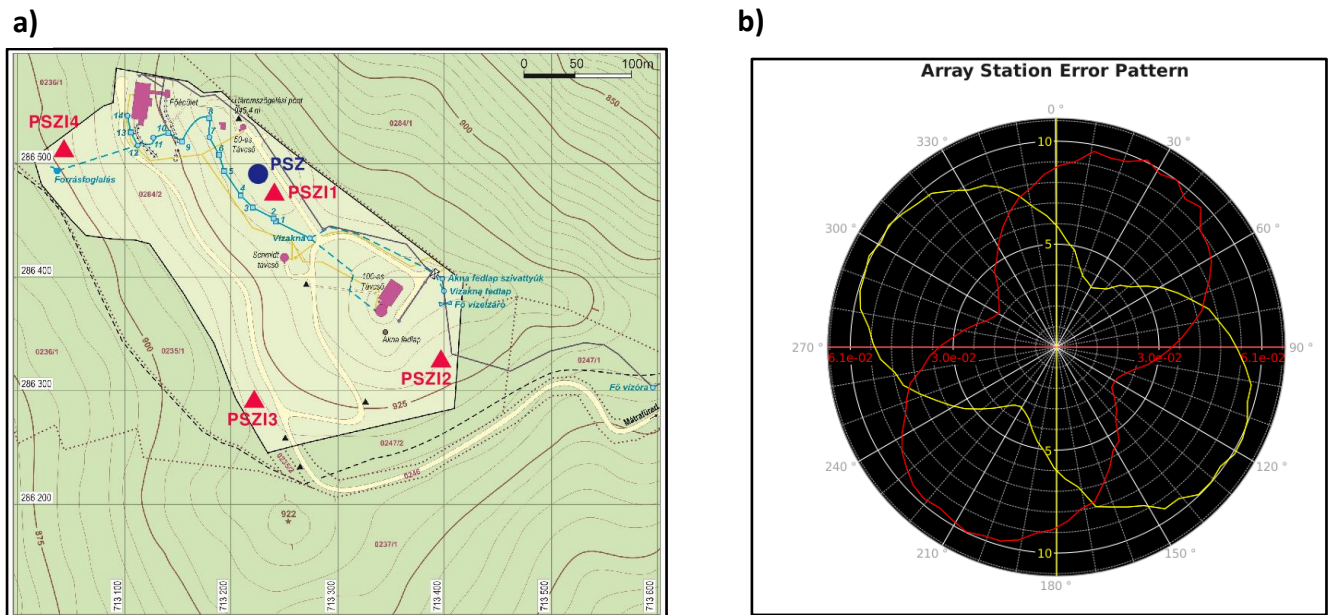


Figure 1. a) Position of the PSZI array elements relative to each other, red triangles mark the location of the microbarometers. The PSZ broadband seismological station is marked with a blue circle. b) error distribution of the azimuth and velocity estimations.

Central and Eastern European Infrasound Network

The Central and Eastern European Infrasound Network (CEEIN, Šindelářová et al., 2018; Bondár et al., 2022) was established in 2018 as part of the Atmospheric dynamics Research InfraStructure in Europe (ARISE, Blanc et al., 2018) network extension program (<http://arise-project.eu>) with the collaboration between the Zentralanstalt für Meteorologie und Geodynamik (ZAMG, now GeoSphere), Vienna, Austria, the Institute of Atmospheric Physics of the Czech Academy of Sciences (IAP), Prague, Czech Republic, the Research Centre for Astronomy and Earth Sciences of the Eötvös Loránd Research Network, Budapest, Hungary, and the National Institute for Earth Physics (NIEP), Magurele, Romania. The Main Centre of Special Monitoring National Center for Control and Testing of Space Facilities, State Agency of Ukraine joined CEEIN in 2019. Members of the CEEIN exchange data real time and collaborate in scientific research. Networks contributing to the CEEIN include the:

- Czech Microbarograph Network (C9), Institute of Atmospheric Physics, Czech Academy of Sciences, [doi:10.7914/SN/C9](https://doi.org/10.7914/SN/C9)
- Hungarian National Infrasound Network (HN), HUN-REN EPSS Kövesligethy Radó Seismological Observatory, [doi:10.14470/UA114590](https://doi.org/10.14470/UA114590)
- Romanian Infrasound Network (R1), National Institute for Earth Physics (NIEP), [doi:10.7914/SN/R1](https://doi.org/10.7914/SN/R1)
- Austrian Infrasound Network (OE), Zentralanstalt für Meteorologie und Geodynamik (ZAMG), [doi:10.7914/SN/OE](https://doi.org/10.7914/SN/OE)
- Main Centre of Special Monitoring National Center for Control and Testing of Space Facilities State Agency of Ukraine, [doi:10.7914/SN/UD](https://doi.org/10.7914/SN/UD).

Bondár et al. (2022) published the first CEEIN seismo-acoustic bulletin for 2017-2020 that includes events (bolides, sonic booms, explosions, quarry blasts and earthquakes) recorded by at least two CEEIN arrays. Bondár et al. (2022) demonstrated that CEEIN arrays close a gap in infrasound station coverage in Central and Eastern Europe. **Table 1** shows the infrasound arrays contributing to CEEIN. **Figure 2** shows that they not only significantly reduce the event detection threshold of the European infrasound network in all seasons, but also add new detection capability in the Aegean region and Eastern Europe. The detection capability maps were produced with the simulation method by Le Pichon et al. (2012) that takes into consideration the effects of signal dominant frequency, fine scale atmospheric disturbances as well as stratospheric winds from the models of the European Center for Medium range Weather Forecasting (www.ecmwf.int).

Table 1. CEEIN stations

Country	Network code	Station code	Latitude [°]	Longitude [°]	Aperture [km]	Ondate	Offdate
Hungary	HN	PSZI	47.92	19.89	0.25	2017/05/25	-
Austria	OE	ISCO	47.92	16.29	0.36	2020/10/30	2021/08/12
Austria	OE	ISCO	47.92	16.29	0.1	2022/03/25	-
Czechia	C9	PVCI	50.53	14.57	0.2	2014/05/01	-
Czechia	C9	WBCI	50.25	12.44	6.0	2016/09/28.	
Romania	R1	BURARI	47.62	25.22	0.6	2016/07/28	2019/09/20
Romania	R1	BURARI	47.62	25.22	0.69	2019/09/21	-
Romania	R1	IPLOR	45.85	26.65	2.43	2009/05/28	2018/11/09
Romania	R1	IPLOR	45.85	26.65	0.49	2019/12/13	-
Romania	R1	I67RO	46.67	25.12	0.95	2016/09/27	2018/10/18
Ukraine	UD	MAAG1	50.70	29.23	0.16	2006/09/01	-
Ukraine	UD	MAAG2	48.56	26.46	0.16	2007/05/01	-
Ukraine	UD	GRDI	50.60	29.45	0.40	2020/07/01	-

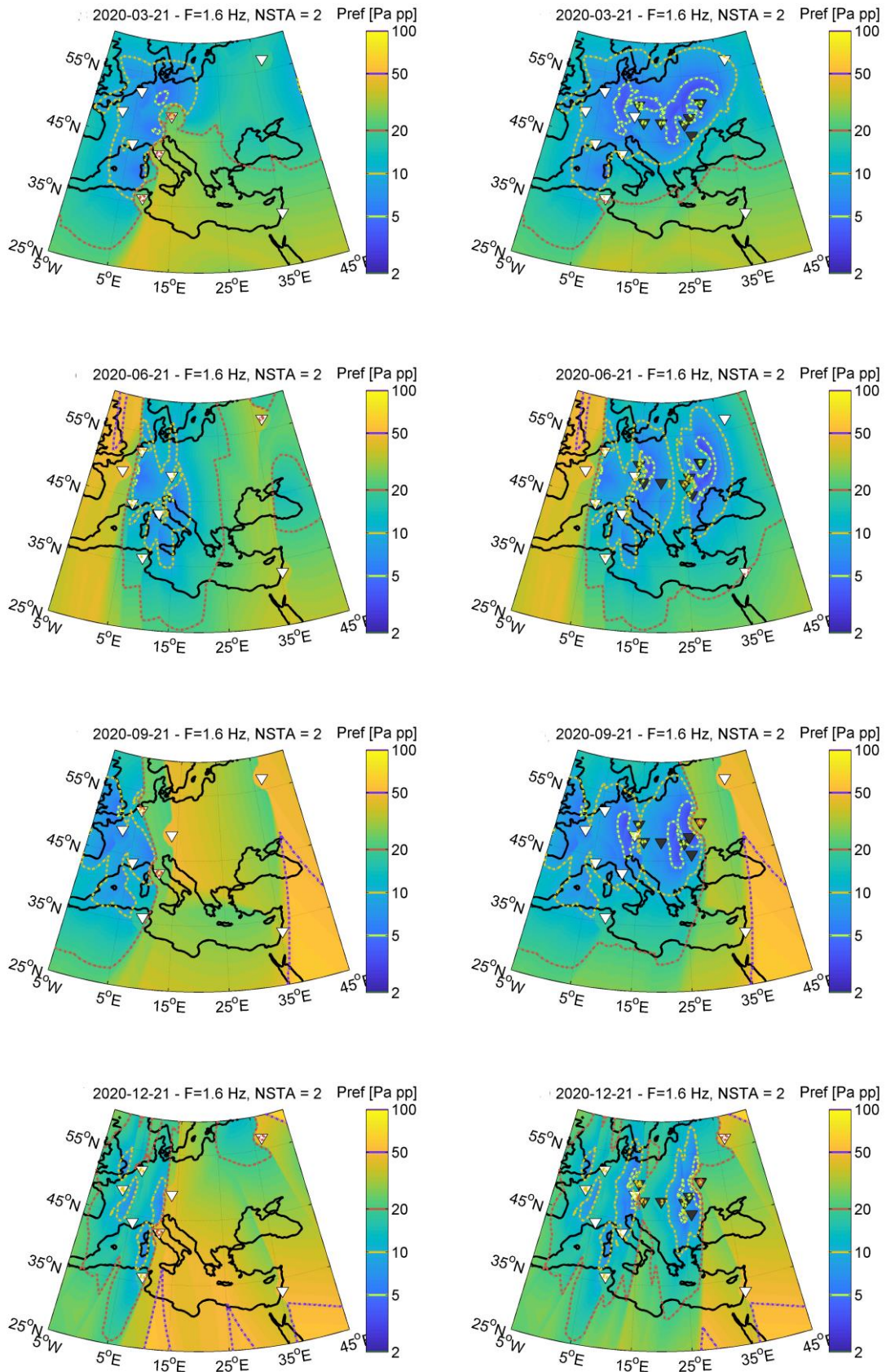


Figure 2. Detection capability *without* (left column) and *with* (right column) the CEEIN stations on 21 March, June, September and December 2020. The CEEIN stations are represented with dark grey triangles; IMS and other national infrasound stations are shown as white triangles.

Data and Resources

The Hungarian Seismo-Acoustic Bulletin was compiled by the Kövesligethy Radó Seismological Observatory, HUN-REN Earth Physics and Space Science. PSZI data were complemented with seismic data from the permanent stations of the Hungarian National Seismological Network and stations in the Central and East European Earthquake Research Network (CE3RN) as well as data from other permanent and temporary networks in the region.

Members of the Central and East European Earthquake Research Network (CE3RN, www.ce3rn.eu, [doi:10.7914/SN/C3](https://doi.org/10.7914/SN/C3)) include the:

- Slovenian Environment Agency (ARSO, [doi:10.7914/SN/SL](https://doi.org/10.7914/SN/SL)), Slovenia
- Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS, [doi:10.7914/SN/OX](https://doi.org/10.7914/SN/OX)), Italy
- University of Trieste (UniTS, [doi:10.7914/SN/RF](https://doi.org/10.7914/SN/RF)), Italy
- Central Institute for Meteorology and Geodynamics (ZAMG, [doi:10.7914/SN/OE](https://doi.org/10.7914/SN/OE)), Austria
- University of Zagreb, Croatian Seismological Survey (CSS, [doi:10.7914/SN/CR](https://doi.org/10.7914/SN/CR)), Croatia
- HUN-REN EPSS Kövesligethy Radó Seismological Observatory, [doi:10.14470/UH028726](https://doi.org/10.14470/UH028726)), Hungary
- Institute of GeoSciences, Energy, Water and Environment (IGEWE, [doi:10.7914/SN/AC](https://doi.org/10.7914/SN/AC)), Albania
- Institute of Physics of the Earth, Masaryk University Brno (IPE, [doi:10.7914/SN/CZ](https://doi.org/10.7914/SN/CZ)), Czechia
- National Institute of Geophysics, Geodesy and Geography (NIGGG, [doi:10.7914/SN/BS](https://doi.org/10.7914/SN/BS)), Bulgaria
- National Institute for Earth Physics (NIEP, [doi:10.7914/SN/RO](https://doi.org/10.7914/SN/RO)), Romania
- Carpathian Branch of the Institute of Geophysics, National Academy of Sciences of Ukraine (IGPH), Ukraine
- National Network of Seismic Stations of Slovakia, Earth Science Institute of the Slovak Academy of Sciences (ESI SAS, [doi:10.14470/FX099882](https://doi.org/10.14470/FX099882))
- GeoRisk Earthquake Engineering Ltd (GeoRisk, [doi:10.7914/SN/HM](https://doi.org/10.7914/SN/HM)), Hungary
- Institute of Rock Structure and Mechanics, Czech Academy of Sciences (IRSM CAS, [doi:10.7914/SN/CZ](https://doi.org/10.7914/SN/CZ)), Czechia

Other permanent and temporary networks include:

- Comprehensive Nuclear-Test-Ban Treaty Organization, International Monitoring System (CTBTO IMS, www.ctbto.org)
- GEOFON Seismic Network, Deutsches GeoForschungsZentrum ([doi:10.14470/TR560404](https://doi.org/10.14470/TR560404))
- Z6 AdriaArray Temporary network ([doi:10.7914/2cat-tq59](https://doi.org/10.7914/2cat-tq59))

For data acquisition *SeisComp3* (www.seiscomp3.org) and for infrasound data processing the *DTK-PMCC* (Cansi, 1995) are used. Both programs are found in the CTBTO NDC-in-a-Box software package. The seismo-acoustic and infrasound-only events are located with *iLoc* (Bondár et al., 2018), the successor of the International Seismological Centre (ISC) location algorithm (Bondár and Storchak, 2011; Bondár and McLaughlin, 2009). The *iLoc* locator, together with the RSTT global 3D velocity model (Myers et al., 2010, Begnaud et al., 2020, 2021) can be downloaded from the IRIS software repository, <https://seiscode.iris.washington.edu/projects/iloc>.

Data availability

The PSZI infrasound waveforms are collected in real-time at the GEOFON European Integrated Data Archive (EIDA) node, geofon.gfz-potsdam.de/doi/network/HN. The data availability can be checked at the GEOFON waveform archive, geofon.gfz-potsdam.de/waveform/archive/data.php?ncode=HN. The waveforms of the CEEIN arrays are also available from the <http://www.ceein.eu> website.

Overview of Infrasound Detections

The PSZI array detects continuous and transient infrasound signals from several different sources. These sources include microbaroms, quarry blasts and accidental explosions, oil refineries, power plants, thunderstorms and bolides. **Figure 3** shows the dominant coherent noise sources at PSZI as a function of mean frequency and time for 2024. Microbaroms are continuously detectable from the Atlantic Ocean during wintertime. The array detects continuous high frequency noise from the Mátra Power Plant (MPP) located 20 km to the south-east (138°) from PSZI as well as from the Százhalombatta oil refinery. Since the Russian invasion of Ukraine on February 24, 2022, PSZI detect numerous signals of shelling, bombardment and missile attacks related to the war in Ukraine.

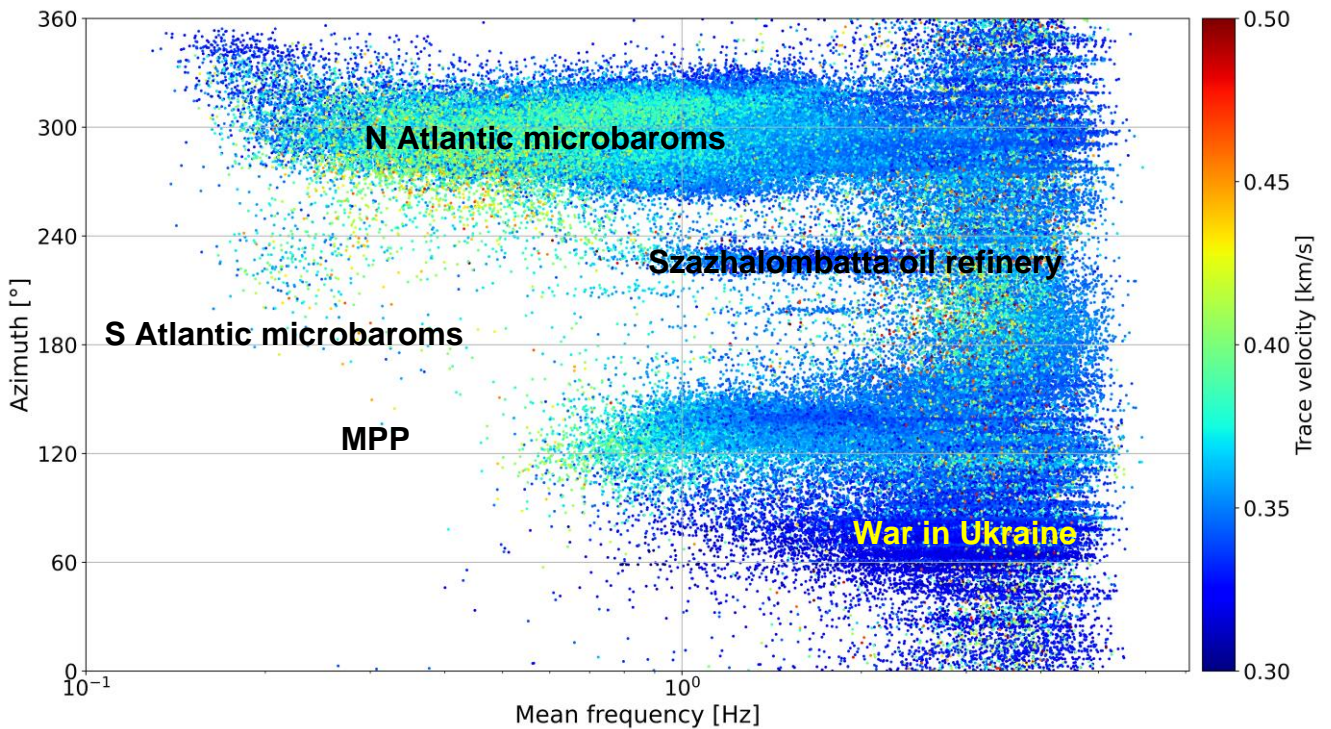


Figure 3. Coherent noise sources detected at PSZI for 2024. Since the Russian invasion of Ukraine in February 24, 2022, PSZI routinely detects signals from the war in Ukraine between 60° and 90° azimuth.

Figure 4 shows the PSZI detection as a function of time and azimuth, color coded by mean frequency. In **4a** all detections between May 2017 and December 2024 are plotted. **4b** shows only the year 2024. In both plots a seasonal variation is present, which is due to the dominant wind direction. During wintertime the westerly North Atlantic microbaroms (peak on the histogram between 270°-320° with low frequency) dominate the detections while during summertime signals coming from the East are more prominent. The other big peak besides the microbarom is caused by the aforementioned MPP at around 138°.

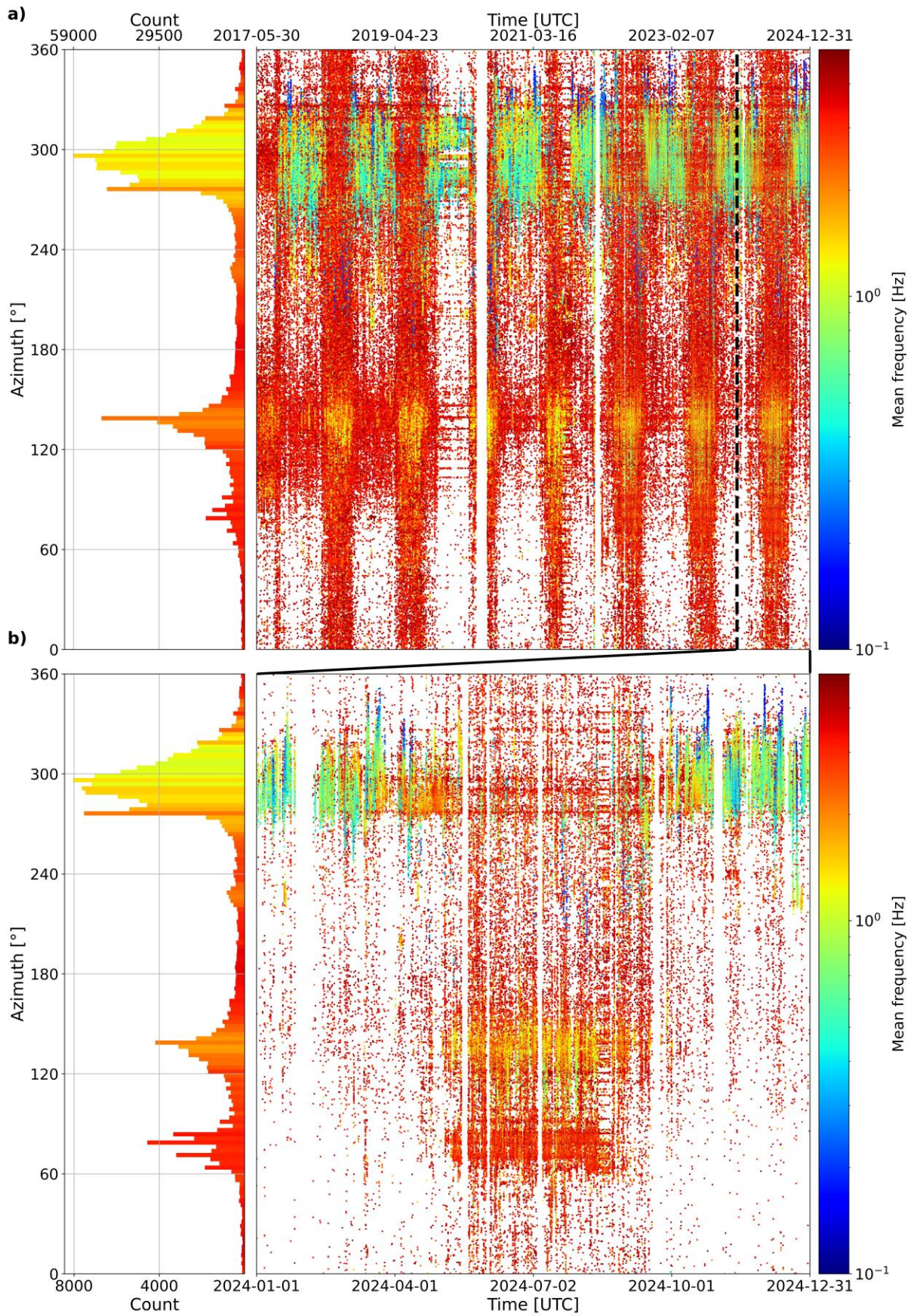


Figure 4. a) PMCC detections on time vs. azimuth diagrams color-coded by mean frequency between May 2017 and December 2024. b) Shows the detections only for 2024. For both figures the azimuth distribution of the detections' azimuth are shown on the left.

Seismo-Acoustic Events

Quarry Blasts and Explosions

Anthropogenic events constitute two-third of the recorded seismicity in the region. Hence, it is important to discriminate explosions from natural earthquakes in order to study natural seismicity and produce reliable seismic hazard estimates. **Figure 5** shows the annual number and relative percentages of earthquakes and explosions in the Hungarian earthquake catalogue between 1996 and 2024. Ever increasing number of events are identified as anthropogenic origin since the deployment of the PSZI array in 2017/05/25.

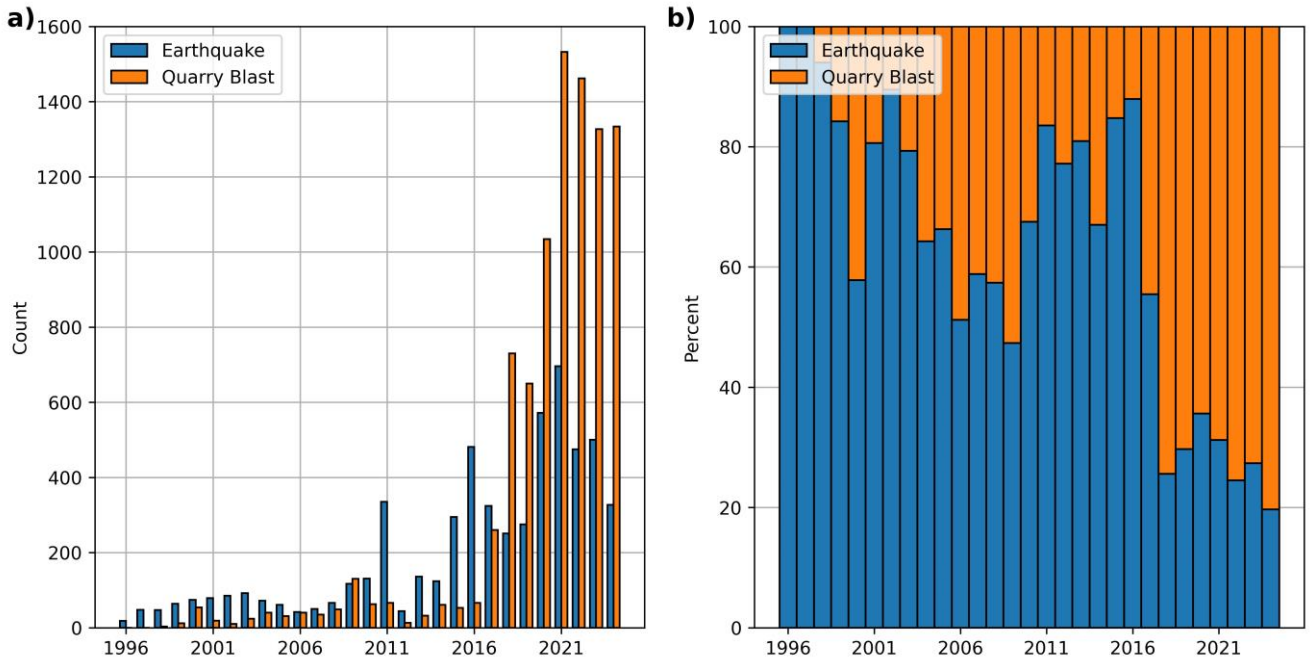


Figure 5. a) Number of earthquakes (blue) and quarry blasts (yellow) and b) relative percentage of earthquakes and quarry blasts in the Hungarian earthquake catalogue between 1996 and 2024.

The HSAB for year 2024 contains 195 quarry blasts from known quarries in Hungary, Austria, Slovakia, Romania and Ukraine. The magnitude range of the explosions is between ML 0.9-2.3. Many, but not all, quarries in Hungary regularly send confirmation of their explosions to the Kövesligethy Radó Seismological Observatory. These events serve as ground truth, and in the bulletin the author BUD_GT indicates the GT coordinates, while the author ILOC stands for the seismo-acoustic location of the events. Of the 195 recorded quarry blasts 34 are confirmed ground truth events, and 161 events in the bulletin are labeled as suspected quarry blasts. **Figure 6** shows the hour-of-day distribution of the quarry blasts that were recorded at PSZI. Most of the blasts occur between 8 am and 1 pm, local time.

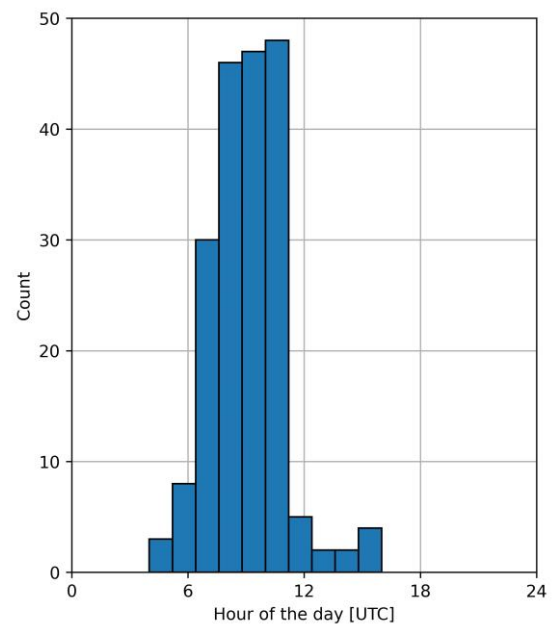


Figure 6. Distribution of the hour of day (origin time) of seismo-acoustic events recorded at PSZI in 2024.

Figure 7 shows the infrasound and seismic stations contributing to the Hungarian Seismo-Acoustic Bulletin in 2024 together with the quarries and the seismo-acoustic locations obtained with *iLoc*. Note that most seismo-acoustic locations are all within 5 km of the ground truth locations.

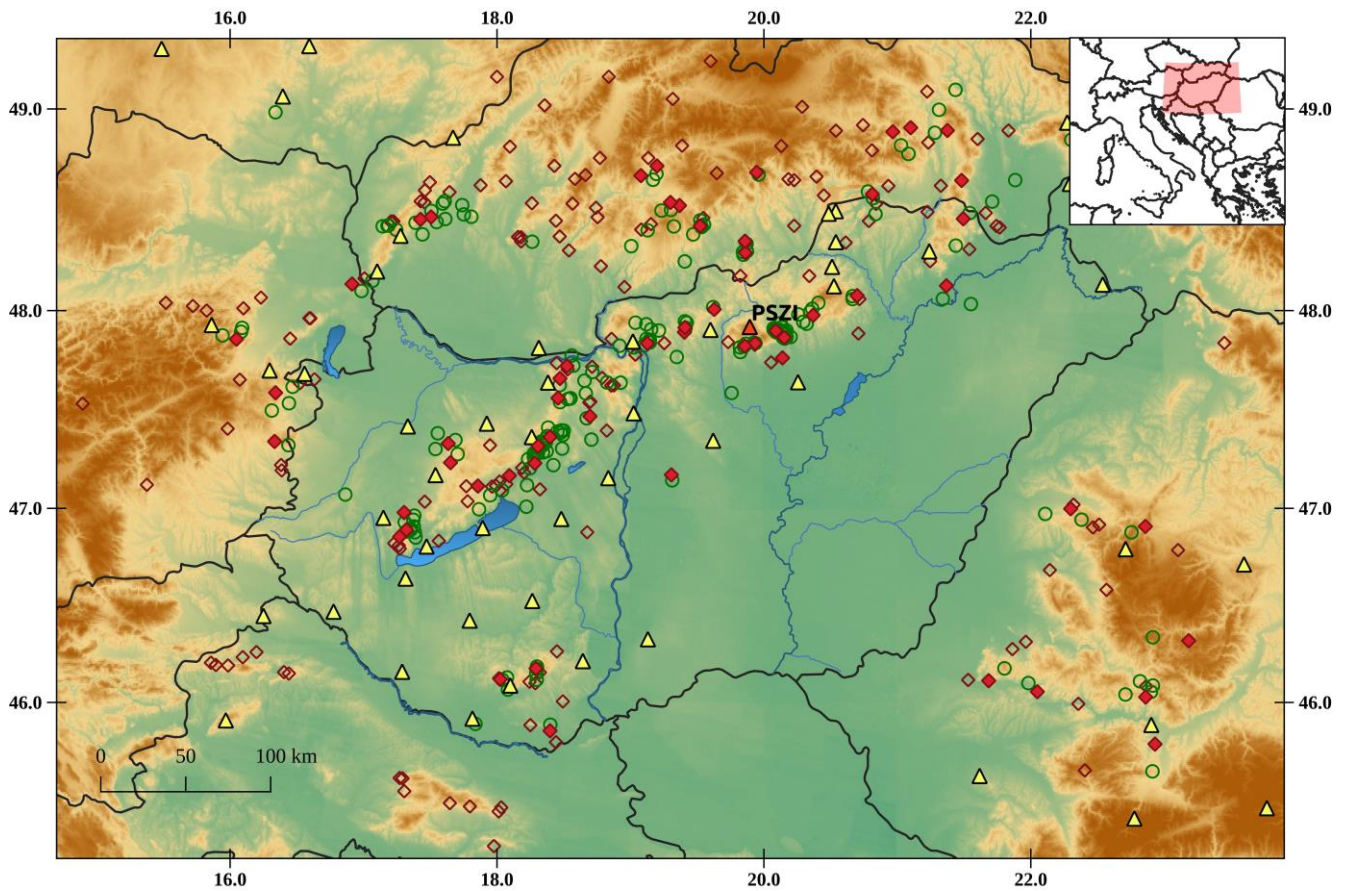


Figure 7. Infrasound (orange triangles) and seismic stations (yellow triangles) contributing to the Hungarian Seismo-Acoustic Bulletin in 2024. Known quarry and mine locations are shown as red diamonds, and the solid red diamonds indicate the quarries producing infrasound signals. Green circles denote the seismo-acoustic locations of quarry blasts. Only those events are shown that were detected at PSZI.

Infrasound-only Events

Etna eruptions

PSZI regularly detects signals associated with Etna eruptions. This year one known event was captured in April. **Figure 8a** shows the PMCC detections between 2024-04-05 00:00 and 2024-04-06 12:00. Dashed black lines mark the theoretical azimuth $\pm 6^\circ$ in which the categorized detections are present. Ray tracing simulations were carried out to confirm the existence of stratospheric duct that allow the detection of the eruption. The results are shown in **8b** and **8c**.

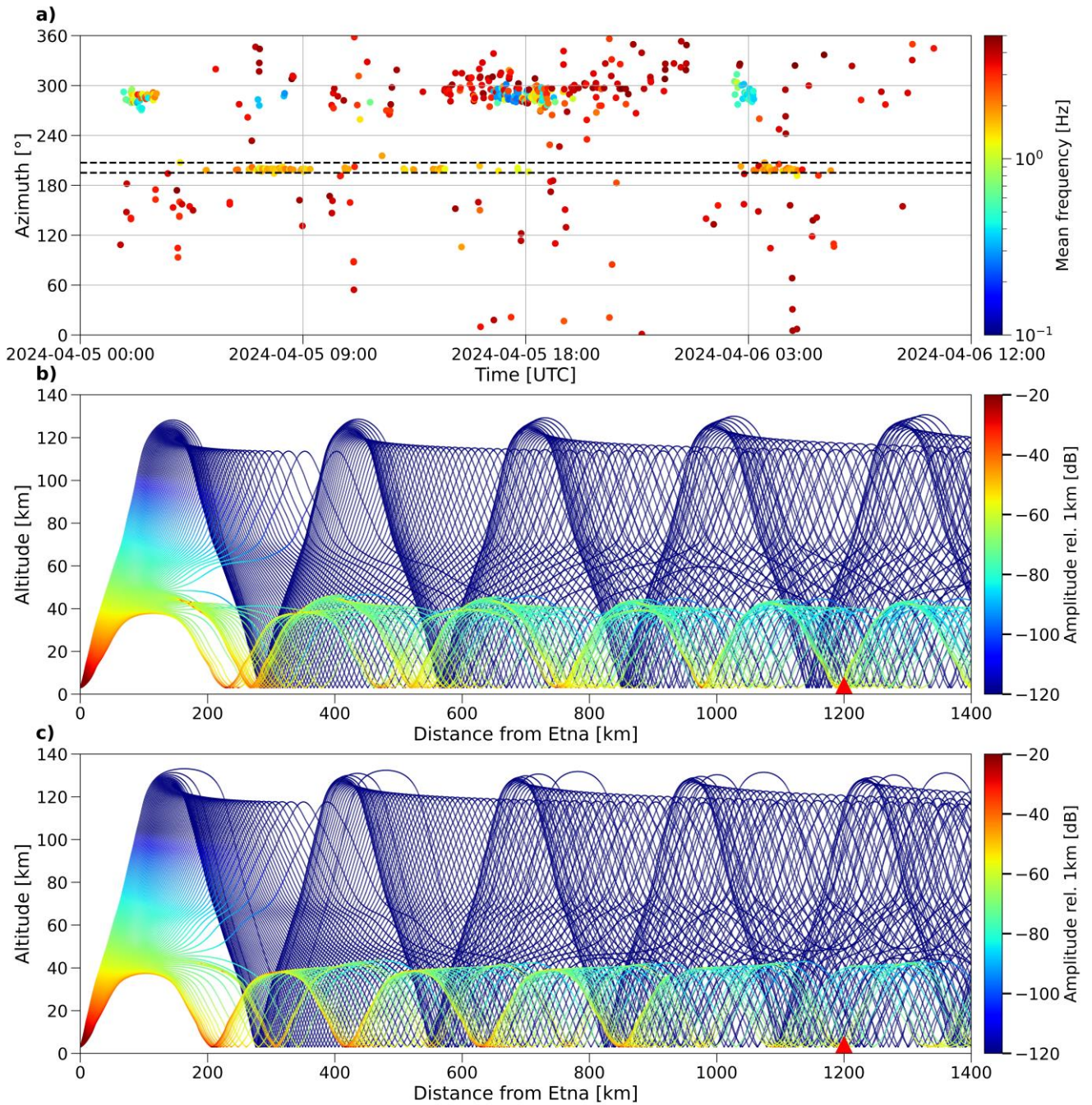


Figure 8. Etna eruption in April detected by PSZI. a) PMCC detections on time vs. azimuth diagrams color-coded by mean frequency between 2024-04-05 07:00 and 2024-04-06 12:00. Black dashed line marks the theoretical azimuth $\pm 6^\circ$ from which signals are expected. b) and c) show the result of ray-tracing simulations from Etna to PSZI at 2024-04-05 07:00 and 2024-04-06 03:00.

Bolides

PSZI detected at least three bolides in 2024. **Table 2** contains the PMCC detection parameters and **Figure 9** shows the detection associated with the bolide on 2024-01-21 near Berlin.

Table 2. PSZI bolide detections

Arrival time [UTC]	Azimuth [degree]	Trace velocity [km/s]
2024/01/21 01:10:27	322	0.335
2024/11/07 17:48:06	238.03	0.372
2024/11/27 01:18:04	236.08	0.382

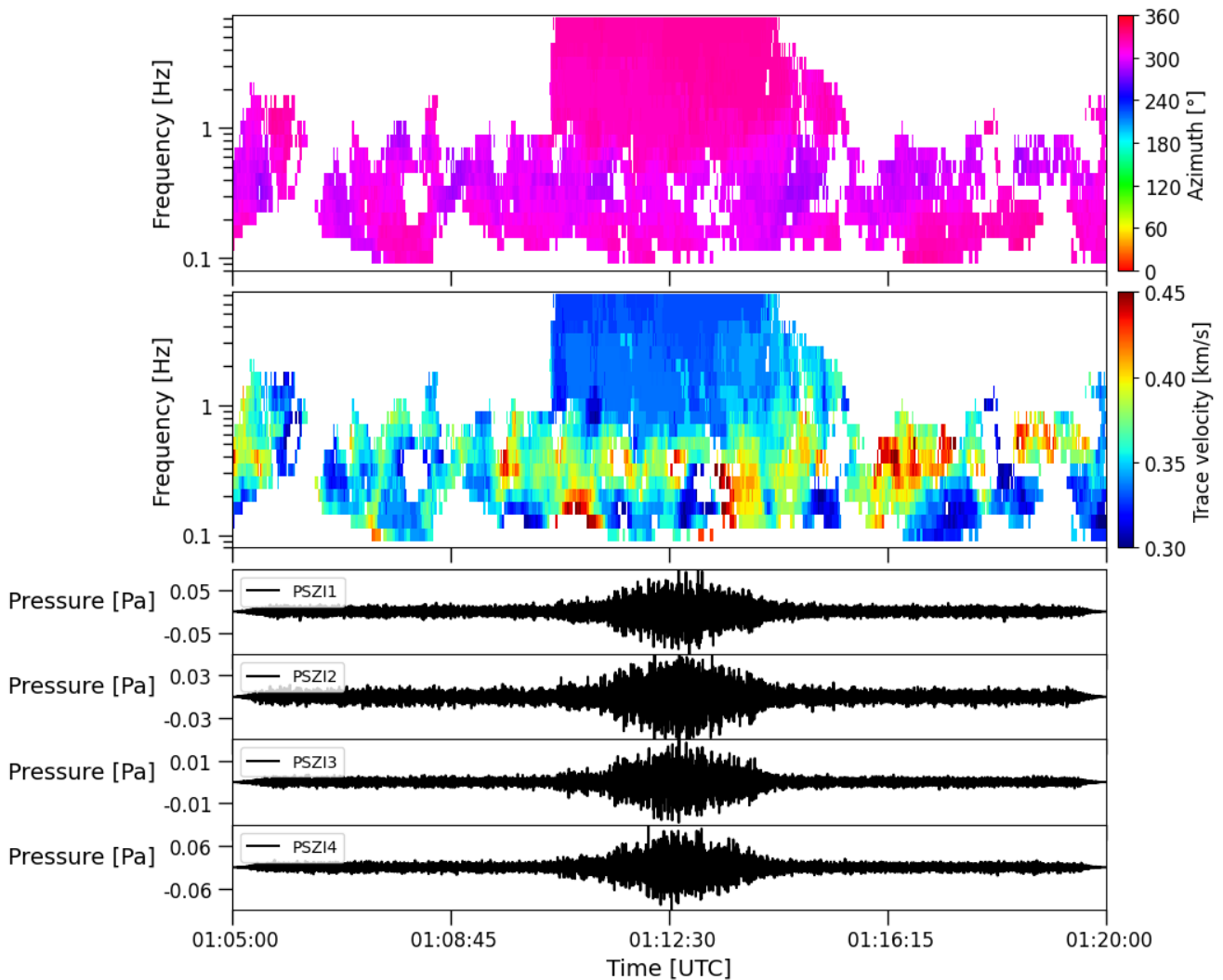


Figure 9. Bolide detected at PSZI on 2024-01-21 at around 01:10. The upper and middle panels show the PMCC detections on time-frequency diagram color-coded by azimuth and trace velocity, respectively. The bottom panel contains the bandpass filtered waveforms recorded at the array elements.

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Hungarian Seismo-Acoustic Bulletin

The Hungarian Seismo-Acoustic Bulletin is presented in International Seismic Format (ISF2.0).

BEGIN IMS2.0

DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024bhof Hungary

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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(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.4	4 BUD	2393272

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HU09A	0.09	247.5	Pg	08:40:23.317	1.4					T__		1943.2		___	ML	1.8	2393273	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU09A	0.09	247.5	Lg	08:40:23.923	-0.2					T__				___		2393278	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
SRO	0.19	318.5	Pg	08:40:24.913	1.0					T__		3077.5		___	ML	2.3	2393274	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
SRO	0.19	318.5	Lg	08:40:27.181	-0.5					T__				___		2393279	FDSN	SK	--	BUD	BUD	EHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
CSKK	0.35	207.8	Pg	08:40:28.437	1.4					T__		182.2		___	ML	1.5	2393277	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.35	207.8	Lg	08:40:32.525	-0.8					T__				___		2393280	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU10A	0.39	63.4	Lg	08:40:34.563	-0.1					T__				___		2393281	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU08A	0.46	238.6	Lg	08:40:33.644	-3.2					T__				___		2393282	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU03A	0.78	72.2	Lg	08:40:47.806	0.1					T__				___		2393284	FDSN	Z6	00	BUD	BUD	HHN	???	_	
MPLH	0.82	232.8	Lg	08:40:47.736	-0.7					T__				___		2393283	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	0.97	74.8	I	08:45:42.133	-8.7	260.0	4.2	320.60	-20.1	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
PSZ	0.97	74.8	Lg	08:40:54.853	-0.0					T__				___		2393285	FDSN	GE	--	BUD	BUD	HHN	???	_	
MODS	1.08	311.0	Lg	08:40:56.423	-1.7					T__				___		2393286	FDSN	SK	--	BUD	BUD	HHN	???	_	
MORH	1.46	176.1	Pg	08:40:47.853	-0.7					T__		50.1		___	ML	2.0	2393276	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MORH	1.46	176.1	Sn	08:41:06.760	-0.2					T__				___		2393275	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									

STOP

BEGIN IMS2.0

DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024bule Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2024/01/26	09:54:14.51	0.81	0.31	48.5928	20.7800	5.3	3.4	30	0.0f		10	7	253	0.19	0.90	sx	BUD	2421586	ILOC					319
(#PRIME)																								

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.0	6 BUD	2421586

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.19	238.8	Pg	09:54:17.944	-0.1					T__		307.7		___	ML	1.3	2421587	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.19	238.8	Sg	09:54:20.340	-0.1					T__				___		2421593	FDSN	Z6	--	BUD	BUD	HHN	???	_	

```

(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
KECS 0.22 240.8 Pg 09:54:18.437 -0.4 T__ 756.9 ___ ML 1.8 2421588 FDSN SK -- BUD BUD EHZ EHZ _
KECS 0.22 240.8 Sg 09:54:21.744 0.1 T__ ___ 2421591 FDSN SK -- BUD BUD EHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
CP16A 0.30 212.6 Pg 09:54:20.765 0.6 T__ 178.8 ___ ML 1.4 2421594 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CP17A 0.41 205.7 Pg 09:54:22.554 0.1 T__ 121.8 ___ ML 1.5 2421592 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
ABAH 0.43 134.0 Pg 09:54:22.737 0.1 T__ 80.8 ___ ML 1.4 2421590 FDSN HU -- BUD BUD HHZ HHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
HU02A 0.50 199.9 Pg 09:54:23.819 -0.3 T__ 47.0 ___ ML 1.4 2421589 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZI 0.90 221.6 I 09:59:18.464 0.3 44.3 3.4 348.80 11.3 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024czkw Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/02/12 08:57:40.47 0.82 3.75 47.0668 17.9492 4.4 3.8 120 0.0f 9 7 97 0.17 1.57 sx BUD 2443703 ILOC 164
(#PRIME)

```

```

Sta 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 0.17 193.0 Pg 08:57:44.098 0.4 T__ 519.3 ___ ML 1.5 2443704 FDSN HU -- BUD BUD HHZ HHZ _
TIH 0.17 193.0 Sg 08:57:46.430 0.5 T__ ___ 2443705 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
MPLH 0.30 290.4 Lg 08:57:51.396 1.3 T__ 2443708 FDSN HU -- BUD BUD HHN ??? _
CSKK 0.36 35.5 Lg 08:57:50.502 -1.7 T__ 2443707 FDSN HU -- BUD BUD HHN ??? _
HU08A 0.37 357.3 Lg 08:57:51.460 -0.7 T__ 2443709 FDSN Z6 00 BUD BUD HHN ??? _
A267A 0.38 108.1 Lg 08:57:52.610 -0.2 T__ 2443706 FDSN Z6 00 BUD BUD HHN ??? _
MORH 0.98 150.4 Sg 08:58:11.006 -0.8 T__ 2443710 FDSN HU -- BUD BUD HHN ??? _
PSZI 1.57 56.4 I 09:07:24.245 8.8 237.0 -0.9 319.10 -67.7 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024dej Czech and Slovak Republics

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/02/14 10:13:12.27 0.57 0.77 48.2928 19.8441 4.4 1.5 172 0.0f 14 9 222 0.38 0.93 sx BUD 2445630 ILOC 250
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.7 0.3 5 BUD 2445630

```

```

Sta 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 0.38 174.8 Pg 10:13:19.704 0.2 T__ 143.9 ___ ML 1.5 2445631 FDSN GE -- BUD BUD HHZ HHZ _
PSZ 0.38 174.8 Lg 10:13:24.784 0.4 T__ ___ 2445635 FDSN GE -- BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1

```

PSZI	0.38	174.9	I	10:15:12.695	-1.6	358.4	3.4	349.50	16.0	TA	___	___	___	111111	FDSN	HU	--	BUD	BUD	???	???	___		
HU03A	0.42	202.9	Sg	10:13:25.652	-0.1					T	___	___	___	2445636	FDSN	Z6	00	BUD	BUD	HHN	???	___		
CP17A	0.45	99.1	Sg	10:13:26.877	0.1					T	___	___	___	2445637	FDSN	Z6	00	BUD	BUD	HHN	???	___		
CP16A	0.47	83.7	Pg	10:13:21.833	0.6					T	___	194.3	___	ML	1.9	2445633	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	___
CP16A	0.47	83.7	Sg	10:13:27.160	-0.1					T	___	___	___	2445639	FDSN	Z6	00	BUD	BUD	HHN	???	___		
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=0)																								
KECS	0.47	65.7	Pg	10:13:20.995	-0.2					T	___	186.7	___	ML	1.9	2445638	FDSN	SK	--	BUD	BUD	EHZ	EHZ	___
(Reading ML: 1.9 magdef=1)																								
(Station ML: 1.9 magdef=1)																								
HU02A	0.49	110.3	Pg	10:13:21.333	-0.2					T	___	66.9	___	ML	1.5	2445632	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	___
HU02A	0.49	110.3	Sg	10:13:26.606	-1.3					T	___	___	___	2445640	FDSN	Z6	00	BUD	BUD	HHN	???	___		
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=0)																								
JOS	0.51	66.1	Pg	10:13:21.422	-0.5					T	___	95.4	___	ML	1.7	2445634	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	___
JOS	0.51	66.1	Lg	10:13:29.160	0.6					T	___	___	___	2445641	FDSN	Z6	--	BUD	BUD	HHN	???	___		
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=1)																								
ABAH	0.93	89.3	Lg	10:13:43.163	0.9					T	___	___	___	2445642	FDSN	HU	--	BUD	BUD	HHN	???	___		

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ddet Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/02/14	10:25:03.00			47.2302	18.2835				0.0								kx BUD_GT	1	BUD			
2024/02/14	10:25:03.00	0.93	0.68	47.2792	18.2935	9.4	3.8	63	0.0f		8	6	99	0.09	1.26		sx BUD	2445667	ILOC			173
(#PRIME)																						
(locality : Iszkaszentgyörgy Hungary)																						
(GT info : GT2 explosion)																						

Sta	Dist	EvAz	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	345.0	Pg	10:25:04.706	0.0					T	___	218.5	___	ML	0.9	2445669	FDSN	HU	--	BUD	BUD	HHZ	HHZ	___
CSKK	0.09	345.0	Lg	10:25:05.418	-0.4					T	___	___	___	___	2445670	FDSN	HU	--	BUD	BUD	HHN	???	___	
(Reading ML: 0.9 magdef=1)																								
(Station ML: 0.9 magdef=0)																								
HU08A	0.29	301.3	Sg	10:25:11.892	-0.5					T	___	___	___	___	2445671	FDSN	Z6	00	BUD	BUD	HHN	???	___	
A267A	0.36	158.8	Sg	10:25:14.377	-0.1					T	___	___	___	___	2445672	FDSN	Z6	00	BUD	BUD	HHN	???	___	
MPLH	0.53	258.3	Pg	10:25:13.552	0.5					T	___	71.1	___	ML	1.6	2445668	FDSN	HU	--	BUD	BUD	HHZ	HHZ	___
MPLH	0.53	258.3	Sg	10:25:18.619	-1.2					T	___	___	___	___	2445673	FDSN	HU	--	BUD	BUD	HHN	???	___	
(Reading ML: 1.6 magdef=1)																								
(Station ML: 1.6 magdef=0)																								
MORH	1.09	167.1	Sg	10:25:37.695	-0.3					T	___	___	___	___	2445674	FDSN	HU	--	BUD	BUD	HHN	???	___	
PSZI	1.26	58.9	I	10:33:40.594	73.0	237.4	-2.6	317.40	-42.7	A	___	___	___	___	111111	FDSN	HU	--	BUD	BUD	???	???	___	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ddgo Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/02/14	11:19:45.12	1.21	0.72	47.3379	18.3478	11.7	4.0	63	0.0f		7	6	109	0.06	1.26		sx BUD	2445769	ILOC			165
(#PRIME)																						

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.06	293.0	Pg	11:19:46.387	0.0					T	___	1653.9	___	ML	1.7	2445770	FDSN	HU	--	BUD	BUD	HHZ	HHZ	___

```

CSKK 0.06 293.0 Lg 11:19:48.167 1.0 T__ 2445771 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU09A 0.30 4.4 Sg 11:19:54.796 -0.0 T__ 2445773 FDSN Z6 00 BUD BUD HHN ??? _
HU08A 0.30 288.1 Sb 11:19:58.027 -0.9 T__ 2445772 FDSN Z6 00 BUD BUD HHN ??? _
MORH 1.14 169.6 Sb 11:20:22.897 -0.2 T__ 2445774 FDSN HU -- BUD BUD HHN ??? _
PSZI 1.20 60.4 I 11:27:40.787 56.1 238.1 -3.4 307.30 -47.9 A_ 111111 FDSN HU -- BUD BUD ??? ??? _
KOVH 1.26 187.9 Sn 11:20:28.101 0.5 T__ 2445775 FDSN HU -- BUD BUD HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

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Event bud2024dfgj Austria

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/02/15 13:30:03.20 0.58 0.90 47.3217 16.4375 5.6 4.4 88 0.0f 11 8 87 0.37 2.41 sx BUD 2449043 ILOC 162
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 4 BUD 2449043

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
SOP 0.37 12.7 Lg 13:30:16.479 0.2 T__ 2449048 FDSN HU -- BUD BUD HHN ??? _
RONA 0.39 345.9 Pg 13:30:11.082 -0.2 T__ 2449047 FDSN OE -- BUD BUD HHZ ??? _
RONA 0.39 345.9 Lg 13:30:16.863 0.1 T__ 2449046 FDSN OE -- BUD BUD HHN ??? _
ARSA 0.63 263.8 Pg 13:30:15.425 0.1 T__ 69.0 ML 1.7 2449050 FDSN OE -- BUD BUD HHZ HHZ _
ARSA 0.63 263.8 Lg 13:30:23.729 0.5 T__ 2449049 FDSN OE -- BUD BUD HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CONA 0.72 327.5 Pg 13:30:18.364 0.8 T__ 73.0 ML 1.8 2449044 FDSN OE -- BUD BUD HHZ HHZ _
CONA 0.72 327.5 Lg 13:30:24.719 -2.3 T__ 2449045 FDSN OE -- BUD BUD HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
MPLH 0.77 101.0 Pn 13:30:20.280 -0.1 T__ 73.5 ML 1.8 2449053 FDSN HU -- BUD BUD HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KOGS 0.88 188.4 Pn 13:30:21.877 -0.3 T__ 135.7 ML 2.1 2449054 FDSN SL -- BUD BUD BHZ BHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
MODS 1.20 27.9 Pg 13:30:27.562 0.2 T__ 2449051 FDSN SK -- BUD BUD HHZ ??? _
PSZI 2.41 74.4 I 13:46:27.448 70.4 254.5 -2.5 314.00 -91.2 A_ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024dgur Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/02/16 09:51:57.51 0.61 0.72 46.8548 17.2699 5.1 4.0 60 0.0f 10 8 120 0.13 2.03 kx BUD_GT 1 BUD 206
2024/02/16 09:51:57.51 0.61 0.72 46.8820 17.3194 5.1 4.0 60 0.0f 10 8 120 0.13 2.03 sx BUD 2449751 ILOC
(#PRIME)
(locality : Várvölgy Hungary)
(GT info : GT2 explosion)

```

```

Magnitude Err Nsta Author OrigID
ML 2.1 0.3 3 BUD 2449751

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
BADH 0.13 126.0 Lg 09:52:04.056 0.6 T__ 2449755 FDSN HU -- BUD BUD HHN ??? _

```

A261A	0.14	300.9	Pg	09:52:01.735	0.8	T__	14429.9	___	ML	2.8	2449753	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_		
A261A	0.14	300.9	Lg	09:52:03.034	-0.6	T__		___			2449754	FDSN	Z6	00	BUD	BUD	HHN	???	_		
				(Reading ML: 2.8 magdef=1)																	
				(Station ML: 2.8 magdef=1)																	
A263A	0.24	180.7	Lg	09:52:05.845	-1.1	T__		___			2449756	FDSN	Z6	00	BUD	BUD	HHN	???	_		
MPLH	0.33	27.5	Pg	09:52:04.034	-0.6	T__	725.1	___	ML	2.1	2449752	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
MPLH	0.33	27.5	Lg	09:52:10.252	0.1	T__		___			2449757	FDSN	HU	--	BUD	BUD	HHN	???	_		
				(Reading ML: 2.1 magdef=1)																	
				(Station ML: 2.1 magdef=1)																	
TIH	0.39	87.2	Lg	09:52:12.807	0.6	T__		___			2449758	FDSN	HU	--	BUD	BUD	HHN	???	_		
HU08A	0.69	36.7	Lg	09:52:22.261	-0.5	T__		___			2449759	FDSN	Z6	00	BUD	BUD	HHN	???	_		
KOVH	0.96	145.5	Pn	09:52:17.215	0.1	T__	71.3	___	ML	1.9	2449760	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
				(Reading ML: 1.9 magdef=1)																	
				(Station ML: 1.9 magdef=1)																	
PSZI	2.03	58.4	I	10:06:31.580	107.1	238.3	-2.0	292.00	-120.3	_A_			111111	FDSN	HU	--	BUD	BUD	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024dipw Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/02/17	09:42:45.68	0.68	1.93	46.1733	18.3009	5.5	3.4	133	0.0f		8	4	158	0.16	2.06	sx	BUD	2450943	ILOC			275
(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	3 BUD	2450943

Sta	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	238.8	Pg	09:42:49.338	-0.3					T__		859.1		___	ML	1.7	2450948	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
KOVH	0.16	238.8	Lg	09:42:52.276	-0.5					T__				___		2450949	FDSN	HU	--	BUD	BUD	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
MORH	0.24	80.0	Pg	09:42:51.318	0.2					T__		188.0		___	ML	1.2	2450945	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MORH	0.24	80.0	Lg	09:42:55.150	-0.3					T__				___		2450944	FDSN	HU	--	BUD	BUD	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=1)																					
A266A	0.35	355.9	Pg	09:42:53.490	0.2					T__		277.3		___	ML	1.7	2450946	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
A266A	0.35	355.9	Lg	09:42:59.654	0.5					T__				___		2450947	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
PSZI	2.06	31.4	I	09:55:38.183	-4.2	208.4	-4.1	307.30	-105.3	TA_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024dmev Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/02/19	08:40:20.37			47.8285	19.9317				0.0							kx	BUD_GT	1	BUD			
2024/02/19	08:40:20.37	0.86	0.78	47.8385	19.9245	5.2	0.3	165	0.0f		12	9	216	0.08	0.78	sx	BUD	2453577	ILOC			232
(#PRIME)																						

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

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZI	0.08	345.3	I	08:40:47.864	1.1	160.8	-4.5	325.00	-14.9	TA_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
PSZ	0.08	345.8	Pg	08:40:22.760	-0.1					T__		3580.4		___	ML	2.1	2453578	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_

```

PSZ      0.08 345.8 Lg      08:40:24.293  -0.8      T__      _____      2453579      FDSN  GE      -- BUD  BUD  HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
HU03A    0.23 286.8 Lg      08:40:30.702  1.2      T__      _____      2453580      FDSN  Z6      00 BUD  BUD  HHN ??? _
HU02A    0.49 54.6 Pg       08:40:30.949  0.1      T__      _____      2453582      FDSN  Z6      00 BUD  BUD  HHZ HHZ _
HU02A    0.49 54.6 Lg      08:40:38.727  -0.3     T__      _____      2453581      FDSN  Z6      00 BUD  BUD  HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
CP17A    0.55 45.7 Lg       08:40:40.371  0.3      T__      _____      2453584      FDSN  Z6      00 BUD  BUD  HHN ??? _
HU10A    0.61 271.0 Lg      08:40:42.288  -0.7     T__      _____      2453583      FDSN  Z6      00 BUD  BUD  HHN ??? _
CP16A    0.65 39.1 Lg       08:40:44.150  0.7      T__      _____      2453585      FDSN  Z6      00 BUD  BUD  HHN ??? _
KECS     0.75 30.0 Lg       08:40:46.944  0.3      T__      _____      2453586      FDSN  SK      -- BUD  BUD  EHN ??? _
JOS      0.78 31.8 Lg       08:40:46.725  -0.9     T__      _____      2453587      FDSN  Z6      -- BUD  BUD  HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024doaz Hungary

```

Date      Time      Err  RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/02/20 09:00:34.11 0.97 1.07 47.6255 18.4704 4.9 4.3 63 0.0f 11 9 97 0.06 1.00 sx BUD 2455777 ILOC 136
(#PRIME)

```

```

Sta  Dist EvAz Phase      Time      TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU09A 0.06 282.4 Pg      09:00:36.669 1.4 T__ _____ 2643.0 ___ ML 1.9 2455778 FDSN Z6 00 BUD BUD HHZ HHZ _
HU09A 0.06 282.4 Lg      09:00:37.451 1.4 T__ _____ 2455779 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
SRO    0.22 330.6 Pg      09:00:37.563 -0.7 T__ _____ 3127.3 ___ ML 2.4 2455780 FDSN SK -- BUD BUD EHZ EHZ _
SRO    0.22 330.6 Lg      09:00:40.629 -0.4 T__ _____ 2455781 FDSN SK -- BUD BUD EHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
CSKK   0.30 208.5 Sg      09:00:42.250 -1.4 T__ _____ 2455782 FDSN HU -- BUD BUD HHN ??? _
BUD    0.40 110.5 Lg      09:00:47.807 0.8 T__ _____ 2455783 FDSN HU -- BUD BUD HHN ??? _
HU10A 0.43 59.1 Sg       09:00:47.935 0.0 T__ _____ 2455784 FDSN Z6 00 BUD BUD HHN ??? _
MPLH  0.78 234.6 Sg      09:00:58.091 -1.0 T__ _____ 2455785 FDSN HU -- BUD BUD HHN ??? _
EGYH  0.80 255.3 Sg      09:00:58.794 -1.0 T__ _____ 2455786 FDSN HU -- BUD BUD HHN ??? _
PSZI  1.00 72.5 I        09:07:14.370 56.8 258.5 4.9 256.60 -85.7 A__ _____ 111111 FDSN HU -- BUD BUD ??? ??? _
PSZ   1.00 72.5 Lg      09:01:06.331 -0.1 T__ _____ 2455787 FDSN GE -- BUD BUD HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024doig Hungary

```

Date      Time      Err  RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/02/20 12:41:08.98 1.20 0.27 47.3552 18.3703 7.3 4.9 63 0.0f 8 7 109 0.08 1.17 sx BUD 2456006 ILOC 191
(#PRIME)

```

```

Sta  Dist EvAz Phase      Time      TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
CSKK  0.08 276.1 Pg      12:41:10.211 -0.2 T__ _____ 991.0 ___ ML 1.5 2456007 FDSN HU -- BUD BUD HHZ HHZ _
CSKK  0.08 276.1 Sg      12:41:11.279 -0.1 T__ _____ 2456008 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
HU09A 0.28 1.7 Lg       12:41:17.910 -0.2 T__ _____ 2456010 FDSN Z6 00 BUD BUD HHN ??? _
HU08A 0.31 284.3 Sg      12:41:19.444 0.4 T__ _____ 2456011 FDSN Z6 00 BUD BUD HHN ??? _
MPLH  0.60 252.2 Sg      12:41:28.247 0.2 T__ _____ 2456009 FDSN HU -- BUD BUD HHN ??? _

```



```

MORH 1.16 170.6 Lg      12:41:46.285  0.1      T__
PSZI 1.17  60.8 I      12:48:56.492 56.8 237.1 -4.8 312.50 -41.0 A_
PSZ  1.17  60.8 Lg      12:41:46.942  0.2      T__

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024dqbf Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/02/21 11:23:48.06 3.08 0.33 47.5839 18.6659 20.1  4.2  67  0.0f  7  5 141  0.20  1.37  sx BUD  2457859  ILOC  254
(#PRIME)

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh Ach L
HU09A 0.20 286.0 Pg      11:23:52.040  0.2      T__
HU09A 0.20 286.0 Sg      11:23:54.163 -0.3      T__
(Reading ML: 1.9 magdef=1
Station ML: 1.9 magdef=0)
CSKK 0.35 231.4 Pg      11:23:54.559 -0.2      T__
CSKK 0.35 231.4 Sg      11:23:59.174 -0.2      T__
(Reading ML: 1.4 magdef=1
Station ML: 1.4 magdef=0)
MPLH 0.87 242.0 Lg      11:24:16.502  0.5      T__
PSZI 0.89  67.6 I      11:31:00.497 130.6 251.5  3.0 285.80 -51.5 A_
MORH 1.37 180.6 Sb      11:24:32.632  0.1      T__

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024eeol Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/02/29 09:59:29.39          47.2302 18.2835          0.0
2024/02/29 09:59:29.39 3.29 0.19 47.3499 18.7077 24.4  5.1  53  0.0f  5  4 203  0.30  0.98  sx BUD  2474087  ILOC  338
(#PRIME)
(locality : Iszkaszentgyörgy Hungary)
(GT info : GT2 explosion)

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh Ach L
CSKK 0.30 272.6 Pn      09:59:41.154  0.0      T__
CSKK 0.30 272.6 Sb      09:59:43.386  0.1      T__
(Reading ML: 1.5 magdef=1
Station ML: 1.5 magdef=0)
HU08A 0.54 279.0 Sb      09:59:49.773 -0.2      T__
MPLH 0.82 257.7 Lg      09:59:55.650  0.0      T__
PSZI 0.98  54.2 I      10:08:11.496 186.5 235.7  0.6 315.00 -26.2 A_

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024eeqr Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/02/29 11:06:08.57 0.99 0.81 47.2600 18.2767  8.5  4.1  68  0.0f  10  8 97  0.10  1.28  sx BUD  2474142  ILOC  145
(#PRIME)

```

Sta	Dist	EvAz	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	353.9	Pg	11:06:10.603	0.0					T__		710.2		___	ML	1.4	2474143	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.10	353.9	Sg	11:06:12.248	0.3					T__				___		2474144	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
HU08A	0.29	305.7	Pg	11:06:14.739	0.5					T__		148.7		___	ML	1.3	2474146	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU08A	0.29	305.7	Sg	11:06:18.603	0.6					T__				___		2474145	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
A267A	0.34	155.8	Lg	11:06:20.558	0.9					T__				___		2474147	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU09A	0.39	10.7	Sb	11:06:23.544	-1.3					T__				___		2474148	FDSN	Z6	00	BUD	BUD	HHN	???	_	
MPLH	0.51	260.1	Sg	11:06:23.873	-1.1					T__				___		2474149	FDSN	HU	--	BUD	BUD	HHN	???	_	
MORH	1.08	166.3	Sg	11:06:42.852	-0.2					T__				___		2474150	FDSN	HU	--	BUD	BUD	HHN	???	_	
KOVH	1.18	186.0	Sg	11:06:45.936	-0.5					T__				___		2474151	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	1.28	58.4	I	11:14:59.793	78.5	237.3	-2.3	316.80	-45.0	A__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024egcs Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/01	06:20:04.33	1.45	0.21	47.3283	18.3296	10.0	4.9	64	0.0f		7	6	108	0.06	1.21	sx	BUD	2475208	ILOC			193

(#PRIME)

Sta	Dist	EvAz	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	306.5	Pg	06:20:05.546	0.1					T__		1398.7		___	ML	1.6	2475209	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.06	306.5	Lg	06:20:05.897	-0.3					T__				___		2475210	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
HU08A	0.29	290.6	Sg	06:20:13.696	-0.1					T__				___		2475211	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU09A	0.31	6.6	Lg	06:20:14.447	0.1					T__				___		2475212	FDSN	Z6	00	BUD	BUD	HHN	???	_	
MPLH	0.56	253.9	Lg	06:20:22.572	0.2					T__				___		2475213	FDSN	HU	--	BUD	BUD	HHN	???	_	
MORH	1.13	168.9	Lg	06:20:40.679	-0.1					T__				___		2475214	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	1.21	60.3	I	06:28:21.776	71.6	241.9	0.5	300.90	-55.5	A__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024egeb Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/01	07:01:06.78	1.28	0.79	47.3022	18.3136	10.1	5.1	65	0.0f		7	6	108	0.07	1.23	sx	BUD	2475229	ILOC			196

(#PRIME)

Sta	Dist	EvAz	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	329.3	Pg	07:01:08.506	0.4					T__		905.9		___	ML	1.5	2475230	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.07	329.3	Lg	07:01:08.921	-0.1					T__				___		2475231	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
HU08A	0.29	296.1	Lg	07:01:17.129	0.9					T__				___		2475233	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU09A	0.34	7.9	Lg	07:01:17.129	-0.6					T__				___		2475232	FDSN	Z6	00	BUD	BUD	HHN	???	_	
MPLH	0.54	256.2	Sg	07:01:23.133	-1.1					T__				___		2475234	FDSN	HU	--	BUD	BUD	HHN	???	_	
MORH	1.11	168.1	Sb	07:01:44.020	0.2					T__				___		2475235	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	1.23	59.5	I	07:09:25.675	63.9	241.9	1.3	300.00	-58.2	A__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024eggf Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/01	08:05:19.88			48.0453	20.7017				0.0								kx BUD_GT	1	BUD			
2024/03/01	08:05:19.88	1.15	0.81	48.0725	20.6652	4.5	2.8	75	0.0f		9	6	194	0.11	0.54		sx BUD	2475255	ILOC			264

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.1	5 BUD	2475255

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.11	297.9	Pg	08:05:21.621	-0.3					T__		353.3			ML	1.1	2475256	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.11	297.9	Sg	08:05:22.739	-0.6					T__						2475257	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.1 magdef=1)																									
(Station ML: 1.1 magdef=0)																									
KECS	0.43	343.8	Pg	08:05:27.977	-0.1					T__		218.6			ML	1.8	2475259	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
KECS	0.43	343.8	Sg	08:05:34.588	0.9					T__						2475258	FDSN	SK	--	BUD	BUD	EHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=1)																									
JOS	0.43	348.8	Pg	08:05:27.913	-0.3					T__		121.7			ML	1.6	2475260	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
ABAH	0.44	59.6	Pg	08:05:28.168	-0.2					T__		93.2			ML	1.5	2475261	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
PSZ	0.54	253.7	Pg	08:05:30.755	0.5					T__		116.3			ML	1.9	2475262	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1)																									
(Station ML: 1.9 magdef=0)																									
PSZI	0.54	253.7	I	08:08:15.383	-1.5	71.0	-2.1	341.80	9.9	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024egws Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/01	16:26:34.60	1.86	0.68	48.3439	18.2643	17.3	4.3	111	0.0f		7	7	145	0.65	1.66		sx BUD	2476063	ILOC			274

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.1	3 BUD	2476063

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.65	322.8	Pb	16:26:48.539	-0.3					T__		164.7			ML	2.1	2476066	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1)																									
(Station ML: 2.1 magdef=1)																									
MODS	0.66	273.0	Pg	16:26:47.461	0.2					T__						2476064	FDSN	SK	--	BUD	BUD	HHZ	???	_	
ZST	0.79	259.6	Pb	16:26:51.829	0.6					T__						2476065	FDSN	SK	--	BUD	BUD	HHZ	???	_	
PSZI	1.17	110.7	I	16:34:49.562	85.2	297.1	5.2	299.80	-53.6	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_	
KRUC	1.43	300.8	Sg	16:27:20.190	-0.4					T__						2476069	FDSN	CZ	--	BUD	BUD	HHN	???	_	
MORC	1.51	342.0	Pb	16:27:04.077	0.5					T__		83.7			ML	2.3	2476068	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
CONA	1.66	256.4	Pn	16:27:04.141	-0.9					T__		82.6			ML	2.3	2476067	FDSN	OE	--	BUD	BUD	HHZ	HHZ	_

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

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024eltr Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/04	08:35:04.42	0.95	1.73	47.9001	19.2138	5.7	1.9	87	0.0f		8	6	262	0.26	1.07	sx	BUD	2481277	ILOC			326

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.1	3 BUD	2481277

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.26	89.0	Pb	08:35:12.182	0.2					T__		104.4		___	ML	1.0	2481279	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.26	89.0	Sb	08:35:15.471	-1.5					T__				___		2481278	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=1																									
PSZI	0.46	87.5	I	08:37:30.572	-2.8	264.3	-3.7	329.80	-2.6	TA_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
PSZ	0.46	87.5	Lg	08:35:21.310	2.2					T__				___		2481280	FDSN	GE	--	BUD	BUD	HHN	???	_	
HU01A	0.62	153.5	Sg	08:35:24.139	-0.2					T__				___		2481281	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU02A	0.91	75.3	Pn	08:35:24.271	-0.2					T__		30.6		___	ML	1.5	2481282	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
JOS	1.07	55.6	Pn	08:35:26.414	-0.2					T__		29.0		___	ML	1.6	2481283	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.6 magdef=1 (Station ML: 1.6 magdef=1																									

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024entf Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2024/03/05	10:37:16.13			47.2302	18.2835				0.0								kx	BUD_GT	1					
2024/03/05	10:37:16.13	1.10	0.26	47.3108	18.3160	8.1	4.8	52	0.0f		6	5	195	0.06	1.23	sx	BUD	2485691	ILOC				234	

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

Sta	Dist	EvAz	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	324.3	Pg	10:37:17.445	0.1					T__		364.5		___	ML	1.0	2485692	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.06	324.3	Sg	10:37:18.515	0.3					T__				___		2485693	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.0 magdef=1 (Station ML: 1.0 magdef=0																									
HU08A	0.29	294.5	Sg	10:37:25.577	0.0					T__				___		2485694	FDSN	Z6	00	BUD	BUD	HHN	???	_	
MPLH	0.55	255.4	Sg	10:37:33.442	-0.3					T__				___		2485695	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	1.23	59.8	I	10:45:45.715	76.9	246.0	5.1	298.90	-58.9	A_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
PSZ	1.23	59.8	Sb	10:37:56.507	-0.2					T__				___		2485696	FDSN	GE	--	BUD	BUD	HHN	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024epmn Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/06	09:30:28.06			46.8548	17.2699				0.0								kx BUD_GT	1	BUD			
2024/03/06	09:30:28.06	0.67	1.34	46.8778	17.3846	4.2	3.6	140	0.0f		13	10	103	0.09	2.00		sx BUD	2487656	ILOC			147

(#PRIME)
(locality : Várvölgy Hungary)
(GT info : GT2 explosion)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.09	140.1	Lg	09:30:31.816	0.7					T__						2487657	FDSN	HU	--	BUD	BUD	HHN	???	_	
A261A	0.18	294.7	Pg	09:30:31.432	-0.0					T__	12670.5			___	ML	2.9	2487658	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
A261A	0.18	294.7	Sg	09:30:33.404	-0.4					T__				___		2487659	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 2.9 magdef=1 (Station ML: 2.9 magdef=0)																									
A263A	0.24	191.4	Sg	09:30:34.527	-1.3					T__				___		2487660	FDSN	Z6	00	BUD	BUD	HHN	???	_	
MPLH	0.31	19.9	Pg	09:30:34.212	0.2					T__	778.2			___	ML	2.1	2487662	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MPLH	0.31	19.9	Sg	09:30:39.786	1.7					T__				___		2487661	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=0)																									
HU08A	0.66	33.4	Sb	09:30:51.070	-1.3					T__				___		2487663	FDSN	Z6	00	BUD	BUD	HHN	???	_	
CSKK	0.77	50.6	Sb	09:30:54.959	-0.4					T__				___		2487664	FDSN	HU	--	BUD	BUD	HHN	???	_	
KOVH	0.93	147.7	Lg	09:30:58.410	0.4					T__				___		2487665	FDSN	HU	--	BUD	BUD	HHN	???	_	
HU09A	1.02	41.4	Sb	09:31:03.340	0.8					T__				___		2487666	FDSN	Z6	00	BUD	BUD	HHN	???	_	
RONA	1.11	318.4	Lg	09:31:03.614	-0.0					T__				___		2487667	FDSN	OE	--	BUD	BUD	HHN	???	_	
PSZI	2.00	57.7	I	09:42:57.439	-3.2	240.2	0.7	323.40	-88.2	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024fakf Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/12	08:50:26.49	0.48	0.51	48.9962	21.3130	4.7	4.0	175	0.0f		16	12	111	0.64	1.43		sx BUD	2496366	ILOC			187

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.1	10 BUD	2496366

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.64	95.3	Pb	08:50:40.346	-0.1					T__				___		2496376	FDSN	SK	--	BUD	BUD	HHZ	???	_	
ABAH	0.70	184.0	Pb	08:50:42.519	0.9					T__	93.9			___	ML	1.9	2496372	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1)																									
JOS	0.72	225.9	Pg	08:50:39.836	-0.4					T__	76.8			___	ML	1.8	2496367	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.72	225.9	Lg	08:50:49.705	0.2					T__				___		2496375	FDSN	Z6	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.8 magdef=1 (Station ML: 1.8 magdef=1)																									
KECS	0.75	227.2	Pb	08:50:42.519	0.1					T__	107.4			___	ML	1.9	2496369	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
KECS	0.75	227.2	Sg	08:50:50.599	0.0					T__				___		2496368	FDSN	SK	--	BUD	BUD	EHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1)																									
NIE	0.79	302.8	Pb	08:50:43.413	0.3					T__	36.7			___	ML	1.5	2496374	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_
NIE	0.79	302.8	Lg	08:50:52.324	0.5					T__				___		2496377	FDSN	PL	--	BUD	BUD	BHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=0)																									
CP16A	0.83	218.3	Pg	08:50:42.551	0.1					T__	138.7			___	ML	2.1	2496370	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=0)																									
CP17A	0.94	214.7	Pg	08:50:44.637	0.1					T__	100.8			___	ML	2.0	2496378	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1																									

```

(Station ML: 2.0 magdef=0
HU02A 1.02 211.2 Pg 08:50:46.160 0.1 T__ 36.3 ___ ML 1.6 2496371 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
KWP 1.11 54.6 Pb 08:50:48.567 -0.0 T__ 32.1 ___ ML 1.6 2496379 FDSN PL -- BUD BUD HHZ HHZ _
KWP 1.11 54.6 Sn 08:51:06.005 0.6 T__ ___ 2496380 FDSN PL -- BUD BUD HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
TRPA 1.19 136.3 Pn 08:50:50.178 -0.2 T__ 52.2 ___ ML 1.9 2496381 FDSN HU -- BUD BUD HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
PSZ 1.43 221.7 Pn 08:50:52.611 -1.2 T__ 43.3 ___ ML 1.9 2496373 FDSN GE -- BUD BUD HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
PSZI 1.43 221.7 I 09:00:23.350 78.8 38.1 -2.6 356.10 -19.2 _A_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024fank Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/12 10:27:13.53 0.93 0.97 47.1184 18.2251 4.8 4.2 117 0.0f 8 6 108 0.25 1.39 sx BUD 2496573 ILOC 172
(#PRIME)
(locality : Iszkaszentgyörgy Hungary)
(GT info : GT2 explosion)

```

```

Sta Dist EvAz 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 5.6 Pg 10:27:18.430 0.2 T__ 145.0 ___ ML 1.1 2496574 FDSN HU -- BUD BUD HHZ HHZ _
CSKK 0.25 5.6 Lg 10:27:19.865 -1.6 T__ ___ 2496576 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
TIH 0.32 226.3 Sb 10:27:28.296 0.6 T__ ___ 2496578 FDSN HU -- BUD BUD HHN ??? _
HU08A 0.37 326.9 Sg 10:27:26.444 0.9 T__ ___ 2496577 FDSN Z6 00 BUD BUD HHN ??? _
MPLH 0.47 276.6 Sb 10:27:31.373 -0.8 T__ ___ 2496575 FDSN HU -- BUD BUD HHN ??? _
MORH 0.95 162.2 Sn 10:27:47.906 -0.4 T__ ___ 2496579 FDSN HU -- BUD BUD HHN ??? _
PSZI 1.39 54.1 I 10:35:31.544 0.5 238.2 2.9 323.70 -47.3 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024farq Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/12 12:35:04.08 0.81 0.67 47.3733 18.4936 7.1 3.8 55 0.0f 11 7 108 0.16 1.09 sx BUD 2496668 ILOC 180
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 2.0 0.2 4 BUD 2496668

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
CSKK 0.16 266.4 Pg 12:35:07.079 -0.0 T__ 7763.7 ___ ML 2.6 2496669 FDSN HU -- BUD BUD HHZ HHZ _
CSKK 0.16 266.4 Sg 12:35:08.963 -0.2 T__ ___ 2496670 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=1
HU09A 0.28 344.2 Sb 12:35:16.564 -0.6 T__ ___ 2496673 FDSN Z6 00 BUD BUD HHN ??? _
BUD 0.38 72.8 Sb 12:35:20.333 0.3 T__ ___ 2496676 FDSN HU -- BUD BUD HHN ??? _

```

```

HU08A 0.39 278.7 Pb 12:35:14.041 0.2 T__ 321.8 ___ ML 1.9 2496672 FDSN Z6 00 BUD BUD HHZ HHZ _
HU08A 0.39 278.7 Lg 12:35:18.257 1.6 T__ ___ 2496671 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
A267A 0.43 181.1 Pb 12:35:14.616 0.1 T__ 194.0 ___ ML 1.8 2496675 FDSN Z6 00 BUD BUD HHZ HHZ _
A267A 0.43 181.1 Sb 12:35:20.876 -0.6 T__ ___ 2496674 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
MPLH 0.68 253.0 Pb 12:35:18.577 -0.2 T__ 148.5 ___ ML 2.1 2496678 FDSN HU -- BUD BUD HHZ HHZ _
MPLH 0.68 253.0 Sb 12:35:28.445 -0.3 T__ ___ 2496677 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
PSZI 1.09 59.6 I 12:42:29.781 67.6 242.2 1.6 314.00 -33.7 A_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024fcfg Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/13 08:36:31.01 3.91 0.54 48.8211 21.0279 21.7 6.0 39 0.0f 7 4 338 0.46 1.18 sx BUD 2496764 ILOC 353
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.4 0.3 3 BUD 2496764

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
JOS 0.46 225.0 Pg 08:36:40.204 -0.0 T__ 37.2 ___ ML 1.1 2496765 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 0.46 225.0 Lg 08:36:47.549 0.3 T__ ___ 2496766 FDSN Z6 -- BUD BUD HHE ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=1
KECS 0.49 227.0 Pg 08:36:40.699 -0.2 T__ 102.8 ___ ML 1.7 2496768 FDSN SK -- BUD BUD EHZ EHZ _
KECS 0.49 227.0 Lg 08:36:48.683 0.3 T__ ___ 2496767 FDSN SK -- BUD BUD EHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
HU02A 0.78 205.8 Pg 08:36:47.389 0.4 T__ 27.8 ___ ML 1.4 2496770 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 0.78 205.8 Lg 08:36:58.121 -0.9 T__ ___ 2496769 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
PSZI 1.18 220.3 I 08:45:26.262 122.6 41.9 2.4 344.30 -9.6 A_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024fcki Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/13 11:09:48.76 1.47 0.66 48.6496 21.8834 6.1 5.2 161 0.0f 8 6 329 0.56 1.52 sx BUD 2496960 ILOC 339
(#PRIME)

```

```

Sta 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 0.56 230.7 Sn 11:10:13.405 -0.5 T__ 2496963 FDSN HU -- BUD BUD HHN ??? _
JOS 0.91 260.7 Lg 11:10:20.241 0.0 T__ ___ 2496964 FDSN Z6 -- BUD BUD HHN ??? _
KECS 0.94 260.4 Lg 11:10:21.525 0.0 T__ ___ 2496961 FDSN SK -- BUD BUD EHN ??? _
CP16A 0.95 251.5 Lg 11:10:22.274 0.6 T__ ___ 2496965 FDSN Z6 00 BUD BUD HHN ??? _
CP17A 1.01 245.3 Sn 11:10:25.074 -0.2 T__ ___ 2496966 FDSN Z6 00 BUD BUD HHN ??? _
HU02A 1.05 240.3 Pg 11:10:17.118 6.9 ___ 36.3 ___ ML 1.6 2496962 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 1.05 240.3 Sn 11:10:26.476 -0.3 T__ ___ 2496967 FDSN Z6 00 BUD BUD HHN ??? _

```

(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0

PSZI 1.52 241.9 I 11:19:00.536 -1.2 55.4 -5.0 351.00 -31.5 TA_ 111111 FDSN HU -- BUD BUD ??? ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024flkt Austria

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/18 09:36:37.64 0.75 0.14 47.8939 16.0827 6.8 4.9 61 0.0f 8 5 86 0.15 2.56 sx BUD 2513736 ILOC BUD 164
(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	283.1	Pg	09:36:40.958	0.0					T_		233.5		ML	1.1	2513737	FDSN	OE	--	BUD	BUD	HHZ	HHZ	_	
CONA	0.15	283.1	Lg	09:36:43.395	0.1					T_						2513738	FDSN	OE	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=0																									
RONA	0.24	143.4	Pg	09:36:42.875	0.1					T_						2513739	FDSN	OE	--	BUD	BUD	HHZ	???	_	
RONA	0.24	143.4	Lg	09:36:46.216	-0.1					T_						2513740	FDSN	OE	--	BUD	BUD	HHN	???	_	
ARSA	0.75	210.7	Pg	09:36:51.927	-0.2					T_		67.1		ML	1.7	2513742	FDSN	OE	--	BUD	BUD	HHZ	HHZ	_	
ARSA	0.75	210.7	Lg	09:37:01.595	0.1					T_						2513741	FDSN	OE	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0																									
KRUC	1.19	10.0	Sn	09:37:17.706	-0.1					T_						2513743	FDSN	CZ	--	BUD	BUD	HHN	???	_	
PSZI	2.56	88.1	I	09:50:48.101	-999	270.3	-0.6	327.90	-70.1	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024flnv Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/18 11:10:10.07 1.02 0.80 47.9061 19.1553 6.6 2.5 90 0.0f 8 7 148 0.11 1.37 sx BUD 2513947 ILOC BUD 226
(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.11	236.5	Pg	11:10:12.379	0.2					T_		1267.0		ML	1.7	2513948	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_	
HU10A	0.11	236.5	Lg	11:10:14.187	0.6					T_						2513949	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0																									
PSZI	0.50	88.4	I	11:14:01.066	68.9	265.9	-3.0	331.50	-0.6	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_	
PSZ	0.50	88.3	Sb	11:10:28.753	-0.8					T_						2513951	FDSN	GE	--	BUD	BUD	HHN	???	_	
HU02A	0.94	76.3	Sn	11:10:45.164	0.3					T_						2513952	FDSN	Z6	00	BUD	BUD	HHN	???	_	
KECS	1.06	56.5	Sn	11:10:48.060	0.4					T_						2513953	FDSN	SK	--	BUD	BUD	EHN	???	_	
JOS	1.10	57.0	Sn	11:10:49.290	0.7					T_						2513954	FDSN	Z6	--	BUD	BUD	HHN	???	_	
JAVC	1.37	314.5	Sg	11:10:53.031	-1.2					T_						2513950	FDSN	CZ	--	BUD	BUD	HHN	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024flnx Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/18 11:11:50.27 1.13 0.50 47.9316 19.1190 8.7 2.6 96 0.0f 7 6 200 0.11 1.11 sx BUD 2513970 ILOC BUD 327
(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU10A	0.11	218.1	Pg	11:11:52.497	0.1					T__		1477.1		ML	1.8	2513971	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.11	218.1	Sg	11:11:53.600	-0.2					T__						2513972	FDSN	Z6	00	BUD	BUD	HHN	???	_
(Reading ML: 1.8 magdef=1)																								
(Station ML: 1.8 magdef=0)																								
PSZI	0.52	91.2	I	11:15:41.765	61.2	266.2	-5.6	329.80	-2.1	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_
HU02A	0.96	78.1	Sb	11:12:23.807	0.6					T__						2513973	FDSN	Z6	00	BUD	BUD	HHN	???	_
CPl6A	1.04	66.1	Sn	11:12:26.875	-0.4					T__						2513974	FDSN	Z6	00	BUD	BUD	HHN	???	_
KECS	1.07	58.4	Sn	11:12:27.423	-0.6					T__						2513975	FDSN	SK	--	BUD	BUD	EHN	???	_
JOS	1.11	58.7	Sn	11:12:28.847	-0.1					T__						2513976	FDSN	Z6	--	BUD	BUD	HHN	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024fnen Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/19	08:43:48.30	1.81	0.53	48.5452	17.6083	20.0	6.0	113	0.0f		6	6	112	0.28	1.65	sx	BUD	2516049	ILOC			216

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.28	232.2	Pg	08:43:54.080	0.4					T__						2516050	FDSN	SK	--	BUD	BUD	HHZ	???	_
JAVC	0.32	7.5	Pb	08:43:56.763	-0.1					T__		116.3		ML	1.2	2516052	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1)																								
(Station ML: 1.2 magdef=0)																								
ZST	0.49	224.2	Sg	08:44:03.087	-0.8					T__						2516051	FDSN	SK	--	BUD	BUD	HHN	???	_
KRUC	0.95	303.3	Sb	08:44:20.908	0.0					T__						2516053	FDSN	CZ	--	BUD	BUD	HHN	???	_
RONA	1.22	226.6	Sn	08:44:29.978	0.1					T__						2516054	FDSN	OE	--	BUD	BUD	HHN	???	_
PSZI	1.65	111.5	I	08:54:51.325	53.4	292.2	-1.0	326.10	-67.3	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024fnet Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/03/19	08:51:13.10			47.2302	18.2835				0.0								kx	BUD_GT	1	BUD		
2024/03/19	08:51:13.10	0.93	0.80	47.2510	18.2333	7.4	4.9	81	0.0f		9	7	108	0.11	1.31	sx	BUD	2516072	ILOC			184

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

Sta	Dist	EvAz	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	9.4	Pg	08:51:15.899	0.6					T__		511.7		ML	1.3	2516073	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.11	9.4	Sg	08:51:17.285	0.5					T__						2516076	FDSN	HU	--	BUD	BUD	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=0)																								
HU09A	0.40	14.6	Sb	08:51:28.254	-1.5					T__						2516078	FDSN	Z6	00	BUD	BUD	HHN	???	_
MPLH	0.48	260.6	Pb	08:51:24.538	0.1					T__		107.9		ML	1.7	2516074	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MPLH	0.48	260.6	Sb	08:51:31.320	-0.7					T__						2516079	FDSN	HU	--	BUD	BUD	HHN	???	_
(Reading ML: 1.7 magdef=1)																								
(Station ML: 1.7 magdef=0)																								
MORH	1.07	164.6	Sb	08:51:49.194	0.1					T__						2516075	FDSN	HU	--	BUD	BUD	HHN	???	_
KOVH	1.17	184.6	Sb	08:51:51.313	-0.5					T__						2516080	FDSN	HU	--	BUD	BUD	HHN	???	_
PSZI	1.31	58.7	I	08:59:45.094	46.9	237.8	-2.1	321.30	-43.0	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_

PSZ 1.31 58.7 Sn 08:51:56.568 -0.3 T__ 2516077 FDSN GE -- BUD BUD HHN ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024fnqk Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/19 14:43:41.59 0.47 0.70 47.8601 20.1562 3.7 0.8 109 0.0f 14 8 218 0.19 0.85 sx BUD 2516316 ILOC 233
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 1.5 0.1 6 BUD 2516316

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.19 288.4 Pg 14:43:46.707 0.6 T__ 474.3 ___ ML 1.5 2516321 FDSN GE -- BUD BUD HHZ HHZ _
PSZ 0.19 288.4 Lg 14:43:49.034 -0.8 T__ 2516322 FDSN GE -- BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZI 0.19 288.2 I 14:44:42.791 1.4 102.7 -5.3 349.70 12.4 TA_ 111111 FDSN HU -- BUD BUD ??? ??? _
HU02A 0.36 43.2 Pg 14:43:48.715 -0.8 T__ 83.4 ___ ML 1.2 2516318 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 0.36 43.2 Lg 14:43:55.007 -0.6 T__ 2516325 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
HU03A 0.38 276.9 Lg 14:43:55.240 -0.5 T__ 2516324 FDSN Z6 00 BUD BUD HHN ??? _
CP17A 0.43 33.4 Pg 14:43:50.376 -0.2 T__ 107.5 ___ ML 1.5 2516317 FDSN Z6 00 BUD BUD HHZ HHZ _
CP17A 0.43 33.4 Lg 14:43:57.817 0.5 T__ 2516326 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CP16A 0.55 27.9 Pg 14:43:52.547 -0.2 T__ 178.8 ___ ML 2.1 2516319 FDSN Z6 00 BUD BUD HHZ HHZ _
CP16A 0.55 27.9 Lg 14:44:01.586 0.5 T__ 2516327 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0
JOS 0.69 21.8 Pg 14:43:55.326 -0.0 T__ 48.0 ___ ML 1.6 2516320 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 0.69 21.8 Lg 14:44:06.281 0.5 T__ 2516328 FDSN Z6 -- BUD BUD HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
ABAH 0.85 58.6 Pn 14:44:00.209 0.7 T__ 84.2 ___ ML 1.9 2516323 FDSN HU -- BUD BUD HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024fpcl Czech and Slovak Republics

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/03/20 09:53:19.87 0.60 1.62 48.6771 19.9611 3.6 2.9 16 0.0f 14 9 193 0.40 0.93 sx BUD 2518417 ILOC 290
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 1.4 0.0 5 BUD 2518417

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
KECS 0.40 118.9 Pg 09:53:27.824 -0.1 T__ 110.0 ___ ML 1.4 2518418 FDSN SK -- BUD BUD EHZ EHZ _
KECS 0.40 118.9 Lg 09:53:33.953 -0.1 T__ 2518419 FDSN SK -- BUD BUD EHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
JOS 0.42 115.1 Pg 09:53:28.108 -0.3 T__ 69.3 ___ ML 1.3 2518420 FDSN Z6 -- BUD BUD HHZ HHZ _

```

JOS      0.42 115.1 Lg      09:53:34.537 -0.4      T__      ___      2518421  FDSN  Z6      -- BUD  BUD  HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
CP16A    0.51 130.8 Pg      09:53:31.629 1.5      T__      76.6      ___ ML    1.6 2518422  FDSN  Z6      00 BUD  BUD  HHZ HHZ _
CP16A    0.51 130.8 Lg      09:53:37.990 0.1      T__      ___      2518423  FDSN  Z6      00 BUD  BUD  HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
CP17A    0.59 141.2 Pg      09:53:32.762 1.0      T__      156.4     ___ ML    2.0 2518424  FDSN  Z6      00 BUD  BUD  HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
HU02A    0.67 145.7 Lg      09:53:43.128 -1.2     T__      ___      2518425  FDSN  Z6      00 BUD  BUD  HHN ??? _
PSZ      0.76 183.4 Lg      09:53:45.503 -2.0     T__      ___      2518428  FDSN  GE      -- BUD  BUD  HHN ??? _
PSZI     0.76 183.4 I       09:57:37.835 4.4      2.0 -1.4 0.60 -332.9 TA__  11      FDSN  IR      -- BUD  BUD  ??? ??? _
NIE      0.77 16.6 Pg       09:53:34.626 0.1      T__      31.7      ___ ML    1.4 2518427  FDSN  PL      -- BUD  BUD  BHZ BHZ _
NIE      0.77 16.6 Lg       09:53:44.705 -0.9     T__      ___      2518426  FDSN  PL      -- BUD  BUD  BHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
ABAH     0.93 113.7 Lg      09:53:51.783 -0.6     T__      ___      2518429  FDSN  HU      -- BUD  BUD  HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024fqyb Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az  Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/03/21 10:00:07.07  1.43 0.35 47.2302 18.2835 14.0 4.8 57 0.0f 6 4 211 0.18 1.22 kx BUD_GT 1 BUD 303
2024/03/21 10:00:07.07  1.43 0.35 47.2203 18.4226 14.0 4.8 57 0.0f 6 4 211 0.18 1.22 sx BUD 2519843 ILOC 303
(#PRIME)
(locality : Iszkaszentgyörgy Hungary)
(GT info : GT2 explosion)

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh Ach L
CSKK 0.18 322.4 Pg      10:00:10.539 0.0      T__      205.0     ___ ML    1.1 2519844  FDSN  HU      -- BUD  BUD  HHZ HHZ _
CSKK 0.18 322.4 Lg      10:00:12.455 -0.4     T__      ___      2519845  FDSN  HU      -- BUD  BUD  HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
HU08A 0.40 302.1 Lg      10:00:20.224 0.3      T__      ___      2519846  FDSN  Z6      00 BUD  BUD  HHN ??? _
MPLH 0.60 265.6 Pg      10:00:18.665 0.0      T__      54.0     ___ ML    1.6 2519848  FDSN  HU      -- BUD  BUD  HHZ HHZ _
MPLH 0.60 265.6 Sg      10:00:26.138 -0.3     T__      ___      2519847  FDSN  HU      -- BUD  BUD  HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
PSZI 1.22 54.4 I       10:08:37.644 82.7 237.5 2.0 319.10 -37.7 _A__ 111111  FDSN  HU      -- BUD  BUD  ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024golz Czech and Slovak Republics

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az  Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/04/03 07:10:04.75  0.67 0.50 48.4415 17.5478 4.9 4.2 166 0.0f 11 6 121 0.19 1.65 sx BUD 2546710 ILOC 217
(#PRIME)

```

```

Magnitude  Err Nsta Author  OrigID
ML 1.8 0.0 3 BUD 2546710

```

```

Sta  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 0.19 249.4 Pg      07:10:08.645 0.2      T__      ___      2546711  FDSN  SK      -- BUD  BUD  HHZ ??? _
MODS 0.19 249.4 Sg      07:10:09.919 -1.0     T__      ___      2546715  FDSN  SK      -- BUD  BUD  HHE ??? _

```

```

JAVC 0.43 11.0 Pn 07:10:18.204 -0.0 T__ 189.7 ___ ML 1.8 2546712 FDSN CZ -- BUD BUD HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
KRUC 0.98 309.6 Pb 07:10:24.558 -0.1 T__ 55.3 ___ ML 1.8 2546713 FDSN CZ -- BUD BUD HHZ HHZ _
KRUC 0.98 309.6 Sb 07:10:38.732 0.5 T__ ___ 2546714 FDSN CZ -- BUD BUD HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
RONA 1.12 229.0 Pb 07:10:27.232 0.2 T__ ___ 2546717 FDSN OE -- BUD BUD HHZ ??? _
RONA 1.12 229.0 Lg 07:10:41.009 0.2 T__ ___ 2546716 FDSN OE -- BUD BUD HHN ??? _
CONA 1.24 246.2 Pg 07:10:28.343 -0.2 T__ 61.6 ___ ML 2.0 2546718 FDSN OE -- BUD BUD HHZ HHZ _
CONA 1.24 246.2 Sg 07:10:44.037 -0.5 T__ ___ 2546719 FDSN OE -- BUD BUD HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
PSZI 1.65 107.6 I 07:20:15.183 -0.5 289.9 0.6 323.40 -70.2 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024gxsb Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/04/08	08:27:58.72	1.89	0.80	48.4796	17.7514	16.7	4.7	115	0.0f		7	5	126	0.33	1.54	sx	BUD	2562328	ILOC			244
#PRIME)																						

Sta	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	251.6	Pg	08:28:05.200	0.1					T__						2562329	FDSN	SK	--	BUD	BUD	HHZ	HHZ	_
MODS	0.33	251.6	Sg	08:28:07.947	-1.5					T__						2562330	FDSN	SK	--	BUD	BUD	HHN	HHZ	_
JAVC	0.38	352.0	Pb	08:28:08.474	0.0					T__	163.2			ML	1.6	2562333	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
JAVC	0.38	352.0	Sb	08:28:14.542	-0.4					T__						2562332	FDSN	CZ	--	BUD	BUD	HHN	HHZ	_
(Reading ML: 1.6 magdef=1																								
(Station ML: 1.6 magdef=0																								
ZST	0.52	237.0	Lg	08:28:15.628	0.3					T__						2562331	FDSN	SK	--	BUD	BUD	HHN	HHZ	_
KRUC	1.07	303.5	Sg	08:28:33.513	0.4					T__						2562334	FDSN	CZ	--	BUD	BUD	HHN	HHZ	_
PSZI	1.54	110.6	I	08:39:16.667	115.7	294.6	2.4	328.60	-55.7	A_						111111	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024gzld Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/04/09	07:14:24.31			47.8987	20.0893				0.0								kx	BUD_GT	1	BUD			
2024/04/09	07:14:24.31	0.63	1.65	47.9044	20.0732	3.4	0.5	96	0.0f		10	7	215	0.12	0.67	sx	BUD	2563012	ILOC			227	
#PRIME)																							
(locality : Recsk Hungary)																							
(GT info : GT2 explosion)																							

Sta	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	276.7	Pg	07:14:27.547	0.0					T__		1001.2		ML	1.6	2563013	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.12	276.7	Lg	07:14:29.681	-0.7					T__						2563014	FDSN	GE	--	BUD	BUD	HHN	HHZ	_
(Reading ML: 1.6 magdef=1																								
(Station ML: 1.6 magdef=0																								
PSZI	0.12	276.4	I	07:14:59.757	-3.6	93.5	-2.8	345.30	6.4	TA_						111111	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
HU03A	0.32	270.1	Lg	07:14:37.675	1.2					T__						2563015	FDSN	Z6	00	BUD	BUD	HHN	HHZ	_
HU02A	0.37	54.1	Pg	07:14:31.783	-0.7					T__	167.4			ML	1.6	2563017	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.37	54.1	Lg	07:14:38.503	-0.3					T__						2563016	FDSN	Z6	00	BUD	BUD	HHN	HHZ	_
(Reading ML: 1.6 magdef=1																								

```

(Station ML: 1.6 magdef=0
CP17A 0.43 42.8 Lg 07:14:41.114 1.1 T_
KECS 0.64 25.3 Lg 07:14:45.955 -1.1 T_
JOS 0.67 27.6 Lg 07:14:48.980 1.0 T_

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024hbiw Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/10 08:22:26.05 0.49 0.98 46.8548 17.2699 3.3 3.2 95 0.0f 16 11 93 0.12 2.01 kx BUD_GT 1 BUD
2024/04/10 08:22:26.05 0.49 0.98 46.8890 17.3517 3.3 3.2 95 0.0f 16 11 93 0.12 2.01 sx BUD 2564238 ILOC 147
(#PRIME)
(locality : Várvölgy Hungary)
(GT info : GT2 explosion)

```

```

Magnitude Err Nsta Author OrigID
ML 2.3 0.4 4 BUD 2564238

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
BADH 0.12 135.2 Pg 08:22:29.712 0.6 T_ 3463.1 ___ ML 2.2 2564241 FDSN HU -- BUD BUD HHZ HHZ _
BADH 0.12 135.2 Lg 08:22:31.437 -0.1 T_ ___ 2564242 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
A261A 0.15 294.4 Pg 08:22:30.944 1.2 T_ 16191.9 ___ ML 2.9 2564240 FDSN Z6 00 BUD BUD HHZ HHZ _
A261A 0.15 294.4 Lg 08:22:32.834 0.1 T_ ___ 2564243 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 2.9 magdef=1
(Station ML: 2.9 magdef=1
MPLH 0.31 24.5 Pg 08:22:32.040 -0.8 T_ 1496.7 ___ ML 2.3 2564239 FDSN HU -- BUD BUD HHZ HHZ _
MPLH 0.31 24.5 Lg 08:22:38.257 0.1 T_ ___ 2564244 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=1
EGYH 0.53 358.5 Lg 08:22:44.946 -0.5 T_ ___ 2564245 FDSN HU -- BUD BUD HHN ??? _
HU08A 0.67 35.5 Lg 08:22:50.630 -0.0 T_ ___ 2564246 FDSN Z6 00 BUD BUD HHN ??? _
A266A 0.73 119.7 Lg 08:22:52.560 1.0 T_ ___ 2564247 FDSN Z6 00 BUD BUD HHN ??? _
KOGS 0.88 240.2 Lg 08:22:53.771 -1.1 T_ ___ 2564248 FDSN SL -- BUD BUD BHN ??? _
KOVH 0.95 146.9 Pn 08:22:45.502 -0.0 T_ 66.5 ___ ML 1.9 2564249 FDSN HU -- BUD BUD HHZ HHZ _
KOVH 0.95 146.9 Lg 08:22:57.827 -0.6 T_ ___ 2564250 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
HU09A 1.03 42.7 Sn 08:23:02.569 -0.1 T_ ___ 2564251 FDSN Z6 00 BUD BUD HHN ??? _
MORH 1.12 126.6 Sn 08:23:03.130 -1.2 T_ ___ 2564252 FDSN HU -- BUD BUD HHN ??? _
PSZI 2.01 58.3 I 08:35:06.380 2.4 242.6 2.5 314.60 -97.3 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024hkwn Czech and Slovak Republics

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/15 09:06:43.35 0.96 1.30 48.4007 19.1292 5.1 2.8 127 0.0f 10 8 263 0.70 1.28 sx BUD 2576895 ILOC 310
(#PRIME)

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZI 0.70 133.1 I 09:10:38.409 1.8 311.9 -1.7 332.20 -0.4 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _
PSZ 0.70 133.0 Lg 09:07:07.675 -1.5 T_ ___ 2576903 FDSN GE -- BUD BUD HHN ??? _
KECS 0.91 84.3 Sn 09:07:16.035 -1.4 T_ ___ 2576898 FDSN SK -- BUD BUD EHN ??? _

```

```

CP17A 0.94 100.6 Sn 09:07:19.203 1.4 T__ 2576900 FDSN Z6 00 BUD BUD HHN ??? _
CP16A 0.94 93.0 Sn 09:07:19.458 1.5 T__ 2576899 FDSN Z6 00 BUD BUD HHN ??? _
JOS 0.94 83.7 Pn 09:07:03.113 0.3 T__ 55.6 ML 1.8 2576896 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 0.94 83.7 Sn 09:07:17.850 -0.4 T__ 2576897 FDSN Z6 -- BUD BUD HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
HU02A 0.97 106.1 Lg 09:07:18.057 -0.1 T__ 2576901 FDSN Z6 00 BUD BUD HHN ??? _
NIE 1.28 36.7 Lg 09:07:25.445 -0.4 T__ 2576902 FDSN PL -- BUD BUD BHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024hkpo Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/15 09:57:59.22 0.61 1.44 47.8240 18.9188 3.3 2.5 96 0.0f 12 10 95 0.07 1.33 sx BUD 2576990 ILOC 177
(#PRIME)

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU10A 0.07 72.4 Pg 09:58:01.719 0.6 T__ 1451.4 ML 1.7 2576992 FDSN Z6 00 BUD BUD HHZ HHZ _
HU10A 0.07 72.4 Lg 09:58:04.331 1.3 T__ 2576991 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
BUD 0.35 168.2 Lg 09:58:12.455 -0.4 T__ 2576998 FDSN HU -- BUD BUD HHN ??? _
HU03A 0.47 79.9 Lg 09:58:15.668 -0.8 T__ 2576993 FDSN Z6 00 BUD BUD HHN ??? _
CSKK 0.64 224.3 Lg 09:58:22.491 -0.4 T__ 2576999 FDSN HU -- BUD BUD HHN ??? _
PSZI 0.66 81.5 I 10:01:41.908 3.7 267.7 5.5 319.30 -12.9 TA_ 111111 FDSN HU -- BUD BUD ??? ??? _
PSZ 0.66 81.5 Pg 09:58:13.471 -0.0 T__ 64.1 ML 1.7 2577000 FDSN GE -- BUD BUD HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0
HU08A 0.78 240.1 Lg 09:58:27.834 0.6 T__ 2576994 FDSN Z6 00 BUD BUD HHN ??? _
HU02A 1.12 74.0 Lg 09:58:38.789 -0.9 T__ 2576995 FDSN Z6 00 BUD BUD HHN ??? _
KECS 1.24 57.3 Sn 09:58:40.828 -0.5 T__ 2576996 FDSN SK -- BUD BUD EHN ??? _
JAVC 1.33 321.7 Sn 09:58:44.968 0.2 T__ 2576997 FDSN CZ -- BUD BUD HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024hkqt Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/15 10:34:15.89 47.5600 18.4573 0.0 kx BUD_GT 1 BUD
2024/04/15 10:34:15.89 1.73 0.59 47.6388 18.8247 11.2 3.2 68 0.0f 6 4 165 0.30 0.99 sx BUD 2577017 ILOC 324
(#PRIME)
(locality : Tatabánya Hungary)
(GT info : GT2 explosion)

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU09A 0.30 270.1 Pn 10:34:27.336 -0.2 T__ 1285.2 ML 2.2 2577022 FDSN Z6 00 BUD BUD HHZ HHZ _
HU09A 0.30 270.1 Lg 10:34:28.602 0.8 T__ 2577021 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
CSKK 0.47 234.4 Pn 10:34:30.074 0.2 T__ 253.0 ML 2.0 2577018 FDSN HU -- BUD BUD HHZ HHZ _
CSKK 0.47 234.4 Lg 10:34:33.274 -0.6 T__ 2577019 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=0
PSZI 0.77 68.4 I 10:39:57.464 83.7 249.9 0.7 322.30 -11.5 A_ 111111 FDSN HU -- BUD BUD ??? ??? _

```

MPLH 0.99 242.2 Lg 10:34:50.058 -0.2 T__ 2577020 FDSN HU -- BUD BUD HHN ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024hmq Austria

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/16 08:13:51.41 1.02 0.24 48.9839 16.3404 45.9 5.1 108 0.0f 7 4 187 0.09 2.59 sx BUD 2578548 ILOC 275
(#PRIME)

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
KRUC 0.09 24.8 Pg 08:13:53.314 0.1 T__ 597.8 _c_ ML 1.3 2578553 FDSN CZ -- BUD BUD HHZ HHZ _
KRUC 0.09 24.8 Lg 08:13:54.300 -0.4 T__ 2578554 FDSN CZ -- BUD BUD HHE ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
CONA 1.10 197.0 Pn 08:14:13.801 -0.0 T__ 59.6 _ ML 1.9 2578549 FDSN OE -- BUD BUD HHZ HHZ _
CONA 1.10 197.0 Sn 08:14:29.995 -0.1 T__ 2578550 FDSN OE -- BUD BUD HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=0
RONA 1.29 181.3 Pn 08:14:16.355 0.1 T__ 2578552 FDSN OE -- BUD BUD HHZ ??? _
RONA 1.29 181.3 Sn 08:14:34.158 -0.2 T__ 2578551 FDSN OE -- BUD BUD HHN ??? _
PSZI 2.59 112.9 I 08:28:04.380 -999 291.1 -4.5 316.10 -80.2 A_ 111111 FDSN HU -- BUD BUD ??? ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024hmjh Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/16 09:04:15.08 0.73 1.61 47.7746 18.5600 3.9 3.2 73 0.0f 13 11 129 0.17 1.37 sx BUD 2578633 ILOC 151
(#PRIME)

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
SRO 0.17 283.2 Pg 09:04:18.099 -0.2 T__ 6586.9 _ ML 2.6 2578635 FDSN SK -- BUD BUD EHZ EHZ _
SRO 0.17 283.2 Lg 09:04:21.660 1.1 T__ 2578637 FDSN SK -- BUD BUD EHN ??? _
(Reading ML: 2.6 magdef=1
(Station ML: 2.6 magdef=0
HU09A 0.18 221.5 Pg 09:04:18.496 -0.0 T__ 2638.6 _c_ ML 2.2 2578634 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0
BUD 0.43 132.7 Sg 09:04:27.951 -0.8 T__ 2578636 FDSN HU -- BUD BUD HHN ??? _
CSKK 0.46 206.3 Lg 09:04:30.479 0.6 T__ 2578638 FDSN HU -- BUD BUD HHN ??? _
HU08A 0.55 231.6 Lg 09:04:33.876 1.1 T__ 2578639 FDSN Z6 00 BUD BUD HHN ??? _
A267A 0.83 183.7 Sg 09:04:41.873 0.2 T__ 2578640 FDSN Z6 00 BUD BUD HHN ??? _
EGYH 0.90 247.2 Sb 09:04:46.146 -0.1 T__ 2578641 FDSN HU -- BUD BUD HHN ??? _
PSZI 0.91 80.4 I 09:09:27.642 4.7 256.9 -4.5 319.60 -18.3 TA_ 111111 FDSN HU -- BUD BUD ??? ??? _
MPLH 0.92 229.2 Sb 09:04:46.146 -0.5 T__ 2578642 FDSN HU -- BUD BUD HHN ??? _
MODS 1.05 305.3 Sb 09:04:50.418 0.0 T__ 2578643 FDSN SK -- BUD BUD HHN ??? _
HU02A 1.37 74.5 Sg 09:04:58.690 -0.3 T__ 2578644 FDSN Z6 00 BUD BUD HHN ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024hoej Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/04/17	08:47:56.13			46.8548	17.2699				0.0								kx BUD_GT	1	BUD			
2024/04/17	08:47:56.13	0.57	0.59	46.9415	17.3733	3.9	3.3	141	0.0f	17	15	86	0.15	1.97		1.97	sx BUD	2579544	ILOC			135

(#PRIME)
(locality : Várvölgy Hungary)
(GT info : GT2 explosion)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
BADH	0.15	153.4	Lg	08:48:01.830	0.8					T__						2579550	FDSN	HU	--	BUD	BUD	HHN	???	_
A261A	0.15	274.0	Pg	08:47:58.923	-0.2					T__	15432.0			ML	2.9	2579547	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
A261A	0.15	274.0	Sg	08:48:00.625	-0.5					T__						2579549	FDSN	Z6	00	BUD	BUD	HHE	???	_
				(Reading ML: 2.9 magdef=1)																				
				(Station ML: 2.9 magdef=0)																				
MPLH	0.26	26.4	Pg	08:48:01.142	0.1					T__	1361.9			ML	2.1	2579545	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
				(Reading ML: 2.1 magdef=1)																				
				(Station ML: 2.1 magdef=0)																				
A263A	0.30	187.6	Sg	08:48:05.226	-0.6					T__						2579551	FDSN	Z6	00	BUD	BUD	HHN	???	_
TIH	0.36	96.5	Sb	08:48:10.594	-1.0					T__						2579548	FDSN	HU	--	BUD	BUD	HHN	???	_
HU08A	0.62	37.3	Sb	08:48:19.794	0.8					T__						2579546	FDSN	Z6	00	BUD	BUD	HHN	???	_
CSKK	0.74	54.8	Sb	08:48:22.317	-0.2					T__						2579554	FDSN	HU	--	BUD	BUD	HHN	???	_
A267A	0.76	89.2	Sb	08:48:23.631	0.5					T__						2579553	FDSN	Z6	00	BUD	BUD	HHN	???	_
A264A	0.78	184.2	Lg	08:48:22.043	0.7					T__						2579552	FDSN	Z6	00	BUD	BUD	HHN	???	_
SOP	0.93	323.5	Lg	08:48:26.206	0.3					T__						2579555	FDSN	HU	--	BUD	BUD	HHN	???	_
HU09A	0.98	44.2	Sn	08:48:31.464	-0.2					T__						2579557	FDSN	Z6	00	BUD	BUD	HHN	???	_
KOVH	0.99	149.3	Sb	08:48:29.328	-0.4					T__						2579556	FDSN	HU	--	BUD	BUD	HHN	???	_
SRO	1.08	35.9	Sn	08:48:34.039	-0.2					T__						2579558	FDSN	SK	--	BUD	BUD	EHN	???	_
MORH	1.14	129.2	Sb	08:48:33.984	-0.0					T__						2579559	FDSN	HU	--	BUD	BUD	HHN	???	_
PSZI	1.97	59.4	I	09:00:16.987	-0.9	240.5	-0.7	320.50	-90.5	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024hqai Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/04/18	09:05:49.88			47.8920	19.4049				0.0								kx BUD_GT	1	BUD			
2024/04/18	09:05:49.88	0.40	0.89	47.9136	19.4134	2.7	1.3	93	0.0f	18	13	148	0.13	1.12		1.12	sx BUD	2582328	ILOC			155

(#PRIME)
(locality : Bercel Hungary)
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.1	10 BUD	2582328

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.13	94.4	Pg	09:05:52.419	0.1					T__	3158.8			ML	2.1	2582329	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.13	94.4	Sg	09:05:53.980	0.1					T__						2582344	FDSN	Z6	00	BUD	BUD	HHN	???	_
				(Reading ML: 2.1 magdef=1)																				
				(Station ML: 2.1 magdef=1)																				
HU10A	0.27	255.7	Pg	09:05:54.802	-0.3					T__	1424.6			ML	2.2	2582331	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.27	255.7	Sg	09:05:58.581	-0.1					T__						2582330	FDSN	Z6	00	BUD	BUD	HHN	???	_
				(Reading ML: 2.2 magdef=1)																				
				(Station ML: 2.2 magdef=1)																				
PSZI	0.32	89.1	I	09:07:37.396	3.1	271.5	2.1	321.20	-13.2	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_
PSZ	0.32	89.0	Pg	09:05:56.116	0.0					T__	368.2			ML	1.8	2582333	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.32	89.0	Sg	09:06:00.225	-0.0					T__						2582332	FDSN	GE	--	BUD	BUD	HHN	???	_
				(Reading ML: 1.8 magdef=1)																				
				(Station ML: 1.8 magdef=0)																				
BUD	0.50	211.6	Sg	09:06:06.250	0.2					T__						2582334	FDSN	HU	--	BUD	BUD	HHN	???	_


```

(Station ML: 1.4 magdef=1
PSZI 0.34 15.3 I 07:55:51.354 -72.8 195.6 0.2 333.10 -0.9 A_
PSZ 0.35 15.4 Pb 07:55:22.027 0.2 T_ 311.5 ML 1.8 2590663 FDSN GE -- BUD BUD ??? ??? _
PSZ 0.35 15.4 Lg 07:55:22.876 -0.9 T_ 2590664 FDSN GE -- BUD BUD HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
HU02A 0.74 43.6 Pn 07:55:31.052 0.5 T_ 34.2 ML 1.4 2590667 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024ibde Romania

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/24 11:01:22.92 2.05 0.30 46.9718 22.1085 14.4 6.3 129 0.0f 5 4 170 0.45 1.91 sx BUD 2594496 ILOC 279
(#PRIME)

```

```

Sta 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 0.45 113.3 Pn 11:01:36.600 -0.0 T_ 42.4 ML 1.2 2594498 FDSN RO -- BUD BUD HHZ HHZ _
DRGR 0.45 113.3 Lg 11:01:39.805 0.3 T_ 2594499 FDSN RO -- BUD BUD HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
BZS 1.40 194.3 Sn 11:02:08.700 0.2 T_ 2594497 FDSN RO -- BUD BUD HHN ??? _
PSZI 1.78 303.0 I 11:14:18.162 113.3 123.1 1.7 329.60 -72.5 A_ 111111 FDSN HU -- BUD BUD ??? ??? _
LOT 1.91 142.3 Lg 11:02:26.378 -0.3 T_ 2594500 FDSN RO -- BUD BUD HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024ilyb Czech and Slovak Republics

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/30 08:56:12.33 1.11 0.47 48.3803 17.4420 11.7 4.2 112 0.0f 10 8 124 0.11 1.71 sx BUD 2607009 ILOC 211
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.9 0.2 4 BUD 2607009

```

```

Sta 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 0.11 266.6 Pg 08:56:15.045 0.6 T_ 2607010 FDSN SK -- BUD BUD HHZ ??? _
MODS 0.11 266.6 Lg 08:56:16.195 0.3 T_ 2607011 FDSN SK -- BUD BUD HHN ??? _
ZST 0.29 231.0 Pg 08:56:18.304 0.4 T_ 2607013 FDSN SK -- BUD BUD HHZ ??? _
ZST 0.29 231.0 Lg 08:56:22.166 0.4 T_ 2607012 FDSN SK -- BUD BUD HHN ??? _
JAVC 0.50 17.5 Pb 08:56:24.330 0.2 T_ 313.4 ML 2.2 2607014 FDSN CZ -- BUD BUD HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
KRUC 0.97 314.9 Pg 08:56:30.547 -0.4 T_ 65.6 ML 1.9 2607015 FDSN CZ -- BUD BUD HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
RONA 1.03 228.9 Pg 08:56:31.369 -0.6 T_ 2607016 FDSN OE -- BUD BUD HHZ ??? _
VRAC 1.08 329.2 Pg 08:56:33.122 0.0 T_ 18.4 ML 1.4 2607017 FDSN CZ -- BUD BUD HHZ HHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1
CONA 1.15 247.4 Pg 08:56:34.053 -0.3 T_ 53.8 ML 1.9 2607018 FDSN OE -- BUD BUD HHZ HHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1

```

PSZI 1.71 104.8 I 09:08:15.931 91.3 290.6 4.0 327.50 -69.8 _A_ 111111 FDSN HU -- BUD BUD ??? ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024imbo Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/30 10:42:02.61 1.49 0.75 47.8906 20.1599 14.5 4.5 172 0.0f 6 4 232 0.18 0.66 sx BUD 2607205 ILOC 256
(#PRIME)

Sta 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 0.18 279.0 Pg 10:42:06.116 0.0 T__ 255.9 ___ ML 1.2 2607206 FDSN GE -- BUD BUD HHZ HHZ _
PSZ 0.18 279.0 Sg 10:42:08.910 0.5 T__ 2607207 FDSN GE -- BUD BUD HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
PSZI 0.18 278.8 I 10:43:00.028 -0.9 99.2 0.6 346.10 8.7 T__ 111111 FDSN HU -- BUD BUD ??? ??? _
HU02A 0.34 46.5 Lg 10:42:13.539 0.1 T__ 2607208 FDSN Z6 00 BUD BUD HHN ??? _
JOS 0.66 22.6 Pb 10:42:16.716 -0.3 T__ 26.9 ___ ML 1.3 2607210 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 0.66 22.6 Sg 10:42:24.440 0.7 T__ 2607209 FDSN Z6 -- BUD BUD HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024imdh Northwestern Balkan Peninsula

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/04/30 11:34:37.62 2.45 0.49 45.8886 17.8384 18.2 7.9 29 0.0f 9 6 287 0.27 2.47 sx BUD 2607231 ILOC 321
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 2.2 0.2 3 BUD 2607231

Sta 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 42.3 Pb 11:34:44.758 -0.6 T__ 1563.5 ___ ML 2.2 2607232 FDSN HU -- BUD BUD HHZ HHZ _
KOVH 0.27 42.3 Lg 11:34:45.976 -0.3 T__ 2607233 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
MORH 0.65 59.5 Pb 11:34:52.125 0.3 T__ 48.1 ___ ML 1.5 2607234 FDSN HU -- BUD BUD HHZ HHZ _
MORH 0.65 59.5 Lg 11:34:58.507 0.0 T__ 2607237 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
A266A 0.70 24.8 Pb 11:34:52.837 0.1 T__ 324.7 ___ ML 2.4 2607235 FDSN Z6 00 BUD BUD HHZ HHZ _
A266A 0.70 24.8 Lg 11:34:59.904 -0.3 T__ 2607236 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=1
HU22A 1.00 63.5 Lg 11:35:10.320 0.5 T__ 2607238 FDSN Z6 00 BUD BUD HHN ??? _
MPLH 1.30 351.0 Sn 11:35:21.774 0.7 T__ 2607239 FDSN HU -- BUD BUD HHN ??? _
PSZI 2.47 34.0 I 11:48:40.979 -92.3 217.2 1.7 316.50 -86.1 _A_ 111111 FDSN HU -- BUD BUD ??? ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024irkd Hungary

```

Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2024/05/03 08:41:41.87          47.2302  18.2835          0.0
2024/05/03 08:41:41.87  0.91  0.51  47.2047  18.2474  8.8  4.1  65  0.0f          7  6 107  0.16  1.32  sx BUD      2611954  ILOC          161
(#PRIME)
(locality : Iszkaszentgyörgy Hungary)
(GT info : GT2 explosion)

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
CSKK  0.16  3.2  Pg      08:41:44.794  -0.1          248.9      ML  1.1 2611955  FDSN  HU  -- BUD  BUD  HHZ HHZ _
CSKK  0.16  3.2  Sg      08:41:46.928  -0.1          2611956  FDSN  HU  -- BUD  BUD  HHN ??? _
(Reading ML: 1.1 magdef=1
(Station ML: 1.1 magdef=0
HU08A  0.32 316.0 Sg      08:41:52.829  0.8          2611957  FDSN  Z6  00 BUD  BUD  HHN ??? _
MPLH  0.48 266.2 Sg      08:41:57.066  -0.3          2611958  FDSN  HU  -- BUD  BUD  HHN ??? _
MORH  1.03 164.5 Lg      08:42:15.284  0.4          2611959  FDSN  HU  -- BUD  BUD  HHN ??? _
KOVH  1.12 185.3 Sn      08:42:20.592  -0.3          2611960  FDSN  HU  -- BUD  BUD  HHN ??? _
PSZI  1.32 56.8  I      08:50:28.586  54.7 241.1  3.1 319.80 -45.9  A_  111111  FDSN  HU  -- BUD  BUD  ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024iyup Hungary

```

Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2024/05/07 09:57:42.98  1.10  1.02  47.8650  20.1549  5.0  0.8  107  0.0f          6  4 242  0.18  0.68  sx BUD      2621064  ILOC          264
(#PRIME)

```

```

Sta  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  0.18 287.1 Pg      09:57:46.584  0.1          245.2      ML  1.2 2621065  FDSN  GE  -- BUD  BUD  HHZ HHZ _
PSZ  0.18 287.1 Lg      09:57:49.315  0.4          2621066  FDSN  GE  -- BUD  BUD  HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
PSZI  0.18 286.8 I      09:58:41.588  -0.5 101.9  -4.8 348.80  11.4  TA_  111111  FDSN  HU  -- BUD  BUD  ??? ??? _
HU02A  0.36 43.9  Sg      09:57:55.318  0.8          2621067  FDSN  Z6  00 BUD  BUD  HHN ??? _
JOS  0.68 22.0  Sb      09:58:06.337  -1.4          2621068  FDSN  Z6  -- BUD  BUD  HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024jalq Romania

```

Date      Time      Err    RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author      OrigID  Rep  DPdep  Err Sgp
2024/05/08 07:41:54.57  1.15  0.03  46.1006  21.9823  10.5  5.9  119  0.0f          6  5 114  0.55  2.31  sx BUD      2621871  ILOC          187
(#PRIME)

```

```

Sta  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  0.55 208.0 Lg      07:42:12.197  0.0          37.7      ML  1.6 2621874  FDSN  RO  -- BUD  BUD  HHN ??? _
DRGR  0.86 35.8  Pb      07:42:12.361  0.0          2621872  FDSN  RO  -- BUD  BUD  HHZ HHZ _
DRGR  0.86 35.8  Sb      07:42:24.385  -0.0          2621873  FDSN  RO  -- BUD  BUD  HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
GZR  0.90 141.5 Lg      07:42:23.481  -0.0          2621875  FDSN  RO  -- BUD  BUD  HHN ??? _
LOT  1.41 116.9 Sn      07:42:40.955  -0.0          2621876  FDSN  RO  -- BUD  BUD  HHN ??? _
PSZI  2.31 322.6 I      07:57:28.069  57.6 142.4  1.3 320.30 -88.7  A_  111111  FDSN  HU  -- BUD  BUD  ??? ??? _

```

STOP

BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024japd Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/08	09:28:17.04			46.8548	17.2699				0.0								kx BUD_GT	1	BUD			
2024/05/08	09:28:17.04	0.54	0.72	46.8969	17.3499	4.4	3.3	141	0.0f		15	10	93	0.15	2.01		sx BUD	2622246	ILOC			145

(#PRIME)
 (locality : Várvölgy Hungary)
 (GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	2.3	0.0	4 BUD	2622246

Sta	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	291.8	Pg	09:28:20.194	0.3					T__		9045.6		___	ML	2.7	2622247	FDSN	Z6	00	BUD	BUD	HHN	HHZ	_
A261A	0.15	291.8	Lg	09:28:21.704	-0.1					T__				___		2622251	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 2.7 magdef=1)				(Station ML: 2.7 magdef=1)																	
A263A	0.26	185.4	Pb	09:28:24.796	0.2					T__		1754.4		___	ML	2.3	2622249	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
A263A	0.26	185.4	Lg	09:28:26.360	1.0					T__				___		2622252	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 2.3 magdef=1)				(Station ML: 2.3 magdef=1)																	
MPLH	0.30	25.3	Sg	09:28:27.176	0.4					T__				___		2622259	FDSN	HU	--	BUD	BUD	HHN	???	_	
A265A	0.56	146.8	Pb	09:28:29.342	-0.4					T__		259.2		___	ML	2.2	2622250	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
A265A	0.56	146.8	Sb	09:28:37.808	-0.5					T__				___		2622253	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 2.2 magdef=1)				(Station ML: 2.2 magdef=1)																	
HU08A	0.66	36.0	Sb	09:28:41.698	0.4					T__				___		2622254	FDSN	Z6	00	BUD	BUD	HHN	???	_	
A266A	0.73	120.2	Sb	09:28:44.272	1.1					T__				___		2622256	FDSN	Z6	00	BUD	BUD	HHN	???	_	
CSKK	0.78	52.8	Pn	09:28:35.039	-0.2					T__		224.9		___	ML	2.3	2622248	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.78	52.8	Sn	09:28:46.244	-1.4					T__				___		2622257	FDSN	HU	--	BUD	BUD	HHN	???	_	
				(Reading ML: 2.3 magdef=1)				(Station ML: 2.3 magdef=1)																	
KOGS	0.88	239.7	Sg	09:28:44.601	-0.7					T__				___		2622255	FDSN	SL	--	BUD	BUD	BHN	???	_	
HU09A	1.02	43.1	Sb	09:28:51.393	-0.2					T__				___		2622258	FDSN	Z6	00	BUD	BUD	HHN	???	_	
PSZI	2.01	58.5	I	09:40:54.338	0.7	241.8	1.5	329.50	-82.3	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024japm Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/08	09:38:12.58			47.9164	20.1371				0.0f								sx BUD	2622333	ILOC			231

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	0.9	0.3	3 BUD	2622333

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.16	270.8	Pg	09:38:16.908	0.2					T__		154.4		___	ML	0.9	2622334	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.16	270.8	Lg	09:38:19.071	-1.0					T__				___		2622335	FDSN	GE	--	BUD	BUD	HHN	???	_	
				(Reading ML: 0.9 magdef=1)				(Station ML: 0.9 magdef=1)																	
PSZI	0.16	270.6	I	09:39:05.778	0.5	85.8	-4.6	356.90	19.1	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
HU02A	0.33	51.5	Pg	09:38:19.646	-0.2					T__		29.1		___	ML	0.7	2622337	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.33	51.5	Lg	09:38:24.686	-0.9					T__				___		2622336	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 0.7 magdef=1)																					

```

(Station ML: 0.7 magdef=1
CP17A 0.39 39.5 Pg 09:38:21.427 0.7 T__ 58.7 ___ ML 1.2 2622338 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
KECS 0.61 22.2 Lg 09:38:34.886 0.5 T__ 2622339 FDSN SK -- BUD BUD EHN ??? _
JOS 0.64 24.7 Lg 09:38:34.554 -0.6 T__ 2622340 FDSN Z6 -- BUD BUD HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024jbac Austria

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/05/08 15:00:57.20 0.87 1.55 47.5340 16.4412 6.1 3.6 169 0.0f 11 7 145 0.17 2.36 sx BUD 2622559 ILOC 214
(#PRIME)

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
SOP 0.17 27.9 Pg 15:01:01.825 0.9 T__ 129.7 ___ ML 0.9 2622565 FDSN HU -- BUD BUD HHZ HHZ _
SOP 0.17 27.9 Lg 15:01:04.551 0.8 T__ 2622564 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 0.9 magdef=1
(Station ML: 0.9 magdef=0
RONA 0.19 329.5 Pg 15:01:00.785 -0.6 T__ 2622562 FDSN OE -- BUD BUD HHZ ??? _
RONA 0.19 329.5 Lg 15:01:03.195 -1.2 T__ 2622563 FDSN OE -- BUD BUD HHN ??? _
CONA 0.56 315.5 Pg 15:01:08.782 0.5 T__ 55.3 ___ ML 1.6 2622561 FDSN OE -- BUD BUD HHZ HHZ _
CONA 0.56 315.5 Lg 15:01:15.520 -0.2 T__ 2622560 FDSN OE -- BUD BUD HHN ??? _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=0
EGYH 0.62 100.6 Sn 15:01:22.846 -0.9 T__ 2622567 FDSN HU -- BUD BUD HHN ??? _
ARSA 0.69 245.9 Lg 15:01:18.848 -0.3 T__ 2622566 FDSN OE -- BUD BUD HHN ??? _
KRUC 1.53 358.9 Sn 15:01:45.524 -0.3 T__ 2622568 FDSN CZ -- BUD BUD HHN ??? _
PSZI 2.36 79.4 I 15:15:48.068 -3.8 265.2 3.3 326.80 -80.5 TA__ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024jckj Czech and Slovak Republics

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/05/09 09:19:22.33 2.20 0.47 48.0389 20.4083 21.4 1.5 71 0.0f 9 6 207 0.11 0.47 sx BUD 2622796 ILOC 323
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.3 0.0 3 BUD 2622796

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU02A 0.11 43.2 Pg 09:19:25.318 0.0 T__ 449.4 ___ ML 1.3 2622798 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 0.11 43.2 Lg 09:19:27.547 -0.3 T__ 2622797 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP17A 0.19 20.9 Pg 09:19:26.942 0.4 T__ 267.8 ___ ML 1.3 2622799 FDSN Z6 00 BUD BUD HHZ HHZ _
CP17A 0.19 20.9 Lg 09:19:30.175 0.4 T__ 2622803 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP16A 0.32 16.1 Lg 09:19:34.203 0.3 T__ 2622800 FDSN Z6 00 BUD BUD HHN ??? _
PSZI 0.37 250.9 I 09:22:22.986 62.0 73.3 2.8 352.90 19.3 A__ 111111 FDSN HU -- BUD BUD ??? ??? _
KECS 0.45 6.6 Lg 09:19:38.312 -0.1 T__ 2622801 FDSN SK -- BUD BUD EHN ??? _
JOS 0.47 10.8 Pg 09:19:31.496 -0.3 T__ 64.3 ___ ML 1.4 2622802 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 0.47 10.8 Lg 09:19:38.136 -0.9 T__ 2622804 FDSN Z6 -- BUD BUD HHN ??? _

```

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

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024jefr Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/10	09:14:24.39	0.93	0.54	46.0666	18.0818	6.7	4.7	127	0.0f		7	4	272	0.03	2.23	sx	BUD	2625212	ILOC			321

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOVH	0.03	30.2	Pg	09:14:25.891	0.4					T__		1141.4		___	ML	1.4	2625216	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
KOVH	0.03	30.2	Lg	09:14:26.878	-0.1					T__				___		2625215	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=0																									
MORH	0.42	69.0	Pg	09:14:33.184	-0.0					T__		50.5		___	ML	1.2	2625214	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MORH	0.42	69.0	Lg	09:14:39.490	-0.5					T__				___		2625213	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=0																									
MPLH	1.17	341.5	Sn	09:15:03.630	-0.4					T__				___		2625217	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	2.23	33.2	I	09:28:29.082	0.8	216.2	1.7	319.10	-92.2	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024jegm Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/10	09:38:57.99	0.86	2.32	46.9421	22.3810	6.6	4.0	22	0.0f		9	5	163	0.27	1.95	sx	BUD	2625261	ILOC			262

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.6	3 BUD	2625261

Sta	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	0.27	123.5	Pg	09:39:03.000	-0.7					T__		109.3		___	ML	1.1	2625262	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
DRGR	0.27	123.5	Lg	09:39:08.287	-0.1					T__				___		2625263	FDSN	RO	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.1 magdef=1 (Station ML: 1.1 magdef=1																									
CJR	0.87	104.9	Sn	09:39:30.371	-1.1					T__				___		2625264	FDSN	RO	--	BUD	BUD	HHN	???	_	
BZS	1.43	202.1	Pn	09:39:24.260	0.0					T__		26.0		___	ML	1.7	2625266	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
BZS	1.43	202.1	Sn	09:39:41.330	-3.0					T__				___		2625265	FDSN	RO	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
LOT	1.78	146.7	Pg	09:39:33.548	1.8					T__		40.4		___	ML	2.1	2625267	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
LOT	1.78	146.7	Lg	09:39:59.471	2.1					T__				___		2625268	FDSN	RO	--	BUD	BUD	HHN	???	_	
(Reading ML: 2.1 magdef=1 (Station ML: 2.1 magdef=1																									
PSZI	1.95	300.9	I	09:51:15.552	3.7	120.6	1.5	319.80	-90.6	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024jjqr Czech and Slovak Republics

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2024/05/13 08:28:26.03 0.72 1.97 48.4568 17.6127 4.5 3.6 132 0.0f 11 7 121 0.24 1.62 sx BUD 2630770 ILOC 224
 (#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
MODS	0.24	249.7	Pg	08:28:31.533	0.2					T__						2630771	FDSN	SK	--	BUD	BUD	HHZ	???	_		
MODS	0.24	249.7	Lg	08:28:34.930	-0.8					T__						2630772	FDSN	SK	--	BUD	BUD	HHN	???	_		
JAVC	0.40	5.4	Pg	08:28:35.094	0.4					T__		98.8			ML	1.4	2630775	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_	
JAVC	0.40	5.4	Lg	08:28:41.585	0.2					T__						2630774	FDSN	CZ	--	BUD	BUD	HHN	???	_		
(Reading ML: 1.4 magdef=1)																										
(Station ML: 1.4 magdef=0)																										
ZST	0.43	232.7	Lg	08:28:41.667	-0.2					T__						2630773	FDSN	SK	--	BUD	BUD	HHN	???	_		
KRUC	1.01	307.4	Lg	08:28:58.539	-1.6					T__						2630776	FDSN	CZ	--	BUD	BUD	HHN	???	_		
RONA	1.16	229.9	Sn	08:29:06.865	0.5					T__						2630777	FDSN	OE	--	BUD	BUD	HHN	???	_		
CONA	1.29	246.4	Pg	08:28:51.582	0.3					T__		34.6			ML	1.8	2630779	FDSN	OE	--	BUD	BUD	HHZ	HHZ	_	
CONA	1.29	246.4	Sn	08:29:09.440	-0.0					T__						2630778	FDSN	OE	--	BUD	BUD	HHN	???	_		
(Reading ML: 1.8 magdef=1)																										
(Station ML: 1.8 magdef=0)																										
PSZI	1.62	108.6	I	08:38:16.476	-5.2	291.9	1.6	330.60	-60.2	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_		

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024jlm Czech and Slovak Republics

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2024/05/14 08:45:22.52 0.44 4.09 48.4207 17.1435 3.7 3.2 41 0.0f 15 10 69 0.10 1.91 sx BUD 2631439 ILOC 100
 (#PRIME)

Magnitude Err Nsta Author OrigID
 ML 1.6 0.2 4 BUD 2631439

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L		
MODS	0.10	117.8	Pg	08:45:24.781	-0.4					T__						2631442	FDSN	SK	--	BUD	BUD	HHZ	???	_		
MODS	0.10	117.8	Lg	08:45:25.465	-2.1					T__						2631444	FDSN	SK	--	BUD	BUD	HHN	???	_		
ZST	0.23	187.0	Pg	08:45:28.071	0.5					T__						2631446	FDSN	SK	--	BUD	BUD	HHZ	???	_		
ZST	0.23	187.0	Lg	08:45:30.975	-0.6					T__						2631445	FDSN	SK	--	BUD	BUD	HHN	???	_		
JAVC	0.56	38.4	Pg	08:45:34.697	0.5					T__		241.3			ML	2.2	2631440	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_	
JAVC	0.56	38.4	Lg	08:45:41.571	-1.7					T__						2631447	FDSN	CZ	--	BUD	BUD	HHN	???	_		
(Reading ML: 2.2 magdef=1)																										
(Station ML: 2.2 magdef=1)																										
KRUC	0.81	322.6	Pn	08:45:39.750	-0.8					T__		44.6			ML	1.6	2631443	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_	
KRUC	0.81	322.6	Lg	08:45:51.363	1.3					T__						2631448	FDSN	CZ	--	BUD	BUD	HHN	???	_		
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
RONA	0.92	218.5	Pn	08:45:42.325	0.1					T__						2631449	FDSN	OE	--	BUD	BUD	HHZ	???	_		
VRAC	0.96	338.0	Pn	08:45:42.927	0.3					T__		18.4			ML	1.3	2631441	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_	
(Reading ML: 1.3 magdef=1)																										
(Station ML: 1.3 magdef=1)																										
CONA	0.99	240.6	Pn	08:45:43.749	0.4					T__		36.1			ML	1.6	2631450	FDSN	OE	--	BUD	BUD	HHZ	HHZ	_	
(Reading ML: 1.6 magdef=1)																										
(Station ML: 1.6 magdef=1)																										
MORC	1.38	10.8	Sn	08:46:08.839	-0.1					T__						2631451	FDSN	CZ	--	BUD	BUD	HHN	???	_		
TREC	1.40	309.3	Lg	08:46:09.065	1.1					T__						2631452	FDSN	CZ	--	BUD	BUD	HHN	???	_		
PSZI	1.91	104.3	I	08:57:32.791	13.7	287.6	1.3	328.90	-80.0	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_		

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024jnji Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/15	09:18:40.02	0.81	0.51	47.3044	18.4882	6.6	4.4	53	0.0f		10	7	195	0.17	1.13	sx	BUD	2632433	ILOC			224

Magnitude Err Nsta Author OrigID
ML 2.0 0.4 3 BUD 2632433

Sta	Dist	EvAz	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	290.8	Pg	09:18:43.730	0.5					T__		3546.1			ML	2.3	2632434	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.17	290.8	Lg	09:18:45.839	0.5					T__						2632435	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 2.3 magdef=1)																									
(Station ML: 2.3 magdef=1)																									
HU09A	0.34	347.9	Pg	09:18:46.428	-0.2					T__		527.1			ML	2.0	2632436	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU09A	0.34	347.9	Sg	09:18:51.276	0.2					T__						2632437	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU08A	0.40	288.5	Pb	09:18:49.468	-0.6					T__		179.0			ML	1.7	2632442	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU08A	0.40	288.5	Lg	09:18:53.851	0.8					T__						2632441	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
BUD	0.41	63.6	Sb	09:18:56.973	0.1					T__						2632440	FDSN	HU	--	BUD	BUD	HHN	???	_	
SRO	0.52	347.0	Sg	09:18:56.973	0.1					T__						2632438	FDSN	SK	--	BUD	BUD	EHN	???	_	
MPLH	0.66	258.6	Sb	09:19:03.765	-0.4					T__						2632439	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	1.13	56.6	I	09:26:40.584	86.8	242.1	4.4	322.00	-28.4	_A_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024jvil Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/21	09:21:00.35	0.74	0.45	48.3245	21.4385	7.0	4.1	51	0.0f		10	7	178	0.60	1.11	sx	BUD	2644374	ILOC			322

Magnitude Err Nsta Author OrigID
ML 1.6 0.1 4 BUD 2644374

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CP16A	0.60	272.0	Sb	09:21:22.257	-0.5					T__						2644379	FDSN	Z6	00	BUD	BUD	HHN	???	_	
JOS	0.62	286.3	Pn	09:21:16.407	-0.1					T__		50.0			ML	1.5	2644378	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.62	286.3	Sb	09:21:24.119	0.7					T__						2644380	FDSN	Z6	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
HU02A	0.64	252.0	Pb	09:21:14.493	-0.0					T__		48.1			ML	1.5	2644376	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
KECS	0.65	284.4	Sb	09:21:24.832	0.5					T__						2644375	FDSN	SK	--	BUD	BUD	EHN	???	_	
TRPA	0.76	104.4	Pn	09:21:18.437	0.1					T__		64.2			ML	1.7	2644377	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
TRPA	0.76	104.4	Sn	09:21:30.035	-0.5					T__						2644381	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PSZ	1.11	249.1	Pn	09:21:23.243	-0.0					T__		42.4			ML	1.7	2644382	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	1.11	249.1	Sb	09:21:37.102	-0.4					T__						2644383	FDSN	GE	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
PSZI	1.11	249.1	I	09:24:34.059	-999	63.3	-4.7	346.80	-2.3	_A_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024kafh Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/22	11:00:13.54	0.76	2.15	47.8834	20.1591	4.2	0.8	101	0.0f		9	6	227	0.18	0.66	sx	BUD	2645207	ILOC			238
(#PRIME)																						

Sta	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	281.2	Pg	11:00:16.942	-0.1					T		485.5			ML	1.5	2645208	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZ	0.18	281.2	Lg	11:00:19.939	0.6					T						2645212	FDSN	GE	--	BUD	BUD	HHN	???	-	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
PSZI	0.18	281.0	I	11:01:07.434	-4.7	100.8	-0.0	344.60	7.2	TA						111111	FDSN	HU	--	BUD	BUD	???	???	-	
HU02A	0.34	45.7	Pg	11:00:19.578	-0.5					T		85.6			ML	1.2	2645209	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU02A	0.34	45.7	Sg	11:00:25.416	0.9					T						2645213	FDSN	Z6	00	BUD	BUD	HHE	???	-	
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=0)																									
HU03A	0.38	273.3	Lg	11:00:27.114	1.5					T						2645214	FDSN	Z6	00	BUD	BUD	HHE	???	-	
CP17A	0.41	35.0	Sg	11:00:27.827	1.1					T						2645215	FDSN	Z6	00	BUD	BUD	HHN	???	-	
JOS	0.66	22.4	Sb	11:00:36.707	-1.1					T						2645210	FDSN	Z6	--	BUD	BUD	HHN	???	-	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024kjiu Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/27	10:01:01.93	0.67	0.60	48.0981	16.9852	5.3	3.5	157	0.0f		11	6	135	0.13	1.96	sx	BUD	2657452	ILOC			190
(#PRIME)																						

Sta	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	38.6	Pg	10:01:04.610	0.3					T						2657456	FDSN	SK	--	BUD	BUD	HHZ	???	-	
ZST	0.13	38.6	Sg	10:01:06.089	0.1					T						2657455	FDSN	SK	--	BUD	BUD	HHN	???	-	
MODS	0.34	35.2	Pg	10:01:08.225	-0.2					T						2657453	FDSN	SK	--	BUD	BUD	HHZ	???	-	
MODS	0.34	35.2	Lg	10:01:11.950	-0.8					T						2657454	FDSN	SK	--	BUD	BUD	HHN	???	-	
RONA	0.61	229.6	Pg	10:01:13.292	-0.3					T						2657459	FDSN	OE	--	BUD	BUD	HHZ	???	-	
RONA	0.61	229.6	Lg	10:01:21.947	0.4					T						2657460	FDSN	OE	--	BUD	BUD	HHN	???	-	
CONA	0.77	257.7	Lg	10:01:27.507	0.7					T						2657461	FDSN	OE	--	BUD	BUD	HHN	???	-	
KRUC	1.04	338.1	Pg	10:01:22.029	0.1					T		23.6			ML	1.5	2657457	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	-
KRUC	1.04	338.1	Sg	10:01:35.012	-0.4					T						2657458	FDSN	CZ	--	BUD	BUD	HHN	???	-	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
PSZI	1.96	94.2	I	10:13:21.079	1.1	276.7	0.3	322.30	-88.4	TA						111111	FDSN	HU	--	BUD	BUD	???	???	-	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024kmul Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/05/29	07:19:00.76			47.8355	19.1270				0.0								kx	BUD_GT	1	BUD			
2024/05/29	07:19:00.76	0.98	2.37	47.8535	19.1447	3.8	2.6	87	0.0f		10	8	160	0.09	1.13	sx	BUD	2660886	ILOC			168	
(#PRIME)																							

(locality : Sejce-Vác Hungary)

(GT info : GT2 explosion)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.09	264.5	Pg	07:19:03.359	1.0					T__		2708.8		___	ML	2.0	2660887	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	__
HU10A	0.09	264.5	Lg	07:19:04.181	0.7					T__				___		2660888	FDSN	Z6	00	BUD	BUD	HHN	???	__	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
HU03A	0.31	80.5	Sb	07:19:13.860	-1.0					T__				___		2660889	FDSN	Z6	00	BUD	BUD	HHN	???	__	
PSZI	0.51	82.4	I	07:21:52.424	5.8	263.6	0.6	328.40	-3.6	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	__	
PSZ	0.51	82.4	Sb	07:19:20.056	-0.6					T__				___		2660891	FDSN	GE	--	BUD	BUD	HHN	???	__	
HU09A	0.56	247.6	Sb	07:19:20.828	-1.1					T__				___		2660890	FDSN	Z6	00	BUD	BUD	HHN	???	__	
HU08A	0.93	243.4	Sn	07:19:34.759	-0.3					T__				___		2660892	FDSN	Z6	00	BUD	BUD	HHN	???	__	
HU02A	0.97	73.3	Sb	07:19:34.053	0.3					T__				___		2660893	FDSN	Z6	00	BUD	BUD	HHN	???	__	
JOS	1.13	54.9	Sg	07:19:35.850	-1.3					T__				___		2660894	FDSN	Z6	--	BUD	BUD	HHN	???	__	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024kmyu Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/05/29	09:31:07.89	1.18	0.84	46.1178	18.2975	7.2	3.8	137	0.0f		7	4	190	0.14	2.11	sx	BUD	2661085	ILOC			288

(#PRIME)

Sta	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	0.14	258.0	Pg	09:31:09.855	-0.7					T__		457.3		___	ML	1.4	2661090	FDSN	HU	--	BUD	BUD	HHZ	HHZ	__
KOVH	0.14	258.0	Lg	09:31:13.580	1.2					T__				___		2661089	FDSN	HU	--	BUD	BUD	HHN	???	__	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
MORH	0.26	67.9	Pg	09:31:12.525	-0.3					T__		196.0		___	ML	1.3	2661086	FDSN	HU	--	BUD	BUD	HHZ	HHZ	__
MORH	0.26	67.9	Lg	09:31:16.812	0.6					T__				___		2661087	FDSN	HU	--	BUD	BUD	HHN	???	__	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=0)																									
A266A	0.41	356.8	Sg	09:31:21.304	0.3					T__				___		2661088	FDSN	Z6	00	BUD	BUD	HHN	???	__	
PSZI	2.11	30.7	I	09:44:23.327	-0.6	215.2	3.4	308.60	-104.1	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	__	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024kzrx Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/05	08:48:16.40	1.15	2.09	48.0174	19.6202	5.0	1.1	119	0.0f		10	7	163	0.11	0.78	sx	BUD	2675811	ILOC			223

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.11	186.9	Pg	08:48:18.149	-0.4					T__		807.7		___	ML	1.5	2675813	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	__
HU03A	0.11	186.9	Lg	08:48:20.601	0.5					T__				___		2675814	FDSN	Z6	00	BUD	BUD	HHN	???	__	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
PSZI	0.21	118.4	I	08:49:18.506	-5.2	297.6	-1.0	331.50	-5.3	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	__	
PSZ	0.21	118.2	Pg	08:48:19.904	-0.5					T__		600.9		___	ML	1.7	2675812	FDSN	GE	--	BUD	BUD	HHZ	HHZ	__
PSZ	0.21	118.2	Sg	08:48:24.168	1.1					T__				___		2675815	FDSN	GE	--	BUD	BUD	HHN	???	__	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=0)																									
HU10A	0.44	247.2	Lg	08:48:29.535	-1.0					T__				___		2675816	FDSN	Z6	00	BUD	BUD	HHN	???	__	

HU02A	0.62	79.9	Lg	08:48:37.242	1.0	T	---	---	2675817	FDSN	Z6	00	BUD	BUD	HHN	???	---
KECS	0.74	50.8	Lg	08:48:40.617	0.3	T	---	---	2675818	FDSN	SK	--	BUD	BUD	EHN	???	---
JOS	0.78	51.7	Lg	08:48:41.636	0.2	T	---	---	2675819	FDSN	Z6	--	BUD	BUD	HHN	???	---

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241bmv Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/06	08:30:29.54			47.9151	19.4088				0.0								kx BUD_GT	1	BUD			
2024/06/06	08:30:29.54	0.69	0.55	47.9393	19.4221	3.7	1.3	95	0.00f		12	8	161	0.12	0.93		sx BUD	2676276	ILOC			305

(#PRIME)
(locality : Szanda Hungary)
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.3	3 BUD	2676276

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU03A	0.12	106.5	Pg	08:30:32.404	0.5					T		971.7			ML	1.6	2676278	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	---
HU03A	0.12	106.5	Lg	08:30:33.566	0.0					T							2676280	FDSN	Z6	00	BUD	BUD	HHN	???	---
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																									
HU10A	0.29	251.0	Pg	08:30:35.111	0.1					T		567.3			ML	1.9	2676277	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	---
HU10A	0.29	251.0	Sg	08:30:38.471	-0.3					T							2676281	FDSN	Z6	00	BUD	BUD	HHN	???	---
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=1)																									
PSZI	0.32	93.7	I	08:32:11.992	-0.2	272.8	-1.2	320.70	-13.8	TA						111111	FDSN	HU	--	BUD	BUD	???	???	---	
PSZ	0.32	93.6	Pg	08:30:35.398	-0.2					T		113.5			ML	1.2	2676279	FDSN	GE	--	BUD	BUD	HHZ	HHZ	---
PSZ	0.32	93.6	Lg	08:30:40.000	0.2					T							2676282	FDSN	GE	--	BUD	BUD	HHN	???	---
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
HU02A	0.76	75.7	Lg	08:30:54.964	0.9					T							2676283	FDSN	Z6	00	BUD	BUD	HHN	???	---
CP16A	0.85	61.3	Sb	08:30:58.266	-0.9					T							2676284	FDSN	Z6	00	BUD	BUD	HHN	???	---
KECS	0.90	52.2	Sb	08:31:00.049	-0.4					T							2676285	FDSN	SK	--	BUD	BUD	EHN	???	---
JOS	0.93	52.9	Sb	08:31:00.777	-0.7					T							2676286	FDSN	Z6	--	BUD	BUD	HHN	???	---

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241dop Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/07	11:40:17.66	0.65	3.33	47.8659	20.1422	4.3	0.7	108	0.0f		11	7	169	0.17	0.68		sx BUD	2676842	ILOC			231

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.3	0.1	3 BUD	2676842

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.17	287.6	Pg	11:40:21.305	0.3					T		346.5			ML	1.3	2676844	FDSN	GE	--	BUD	BUD	HHZ	HHZ	---
PSZ	0.17	287.6	Lg	11:40:24.426	1.1					T							2676845	FDSN	GE	--	BUD	BUD	HHN	???	---
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
PSZI	0.18	287.4	I	11:41:04.846	-9.2	104.1	-3.1	346.60	9.0	TA						111111	FDSN	HU	--	BUD	BUD	???	???	---	
HU02A	0.36	44.9	Pg	11:40:24.259	-0.4					T		70.8			ML	1.2	2676847	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	---
HU02A	0.36	44.9	Lg	11:40:28.785	-0.6					T							2676846	FDSN	Z6	00	BUD	BUD	HHN	???	---
(Reading ML: 1.2 magdef=1)																									

```

(Station ML: 1.2 magdef=1
HU03A 0.37 276.1 Lg 11:40:30.719 1.3 T__ 2676850 FDSN Z6 00 BUD BUD HHN ??? _
CP17A 0.43 34.9 Lg 11:40:31.130 -0.4 T__ 2676848 FDSN Z6 00 BUD BUD HHN ??? _
HU01A 0.63 214.3 Sb 11:40:41.691 0.8 T__ 2676849 FDSN Z6 00 BUD BUD HHN ??? _
JOS 0.68 22.7 Pg 11:40:30.382 -0.4 T__ 25.6 ML 1.3 2676843 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 0.68 22.7 Sg 11:40:39.617 -0.0 T__ 2676851 FDSN Z6 -- BUD BUD HHN ??? _

```

```

(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud20241kvk Ukraine - Moldova - Southwestern Russia region

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/06/11 11:04:15.35 1.74 0.88 48.7963 22.6793 15.0 5.8 65 0.0f 9 5 250 0.30 2.06 sx BUD 2680167 ILOC BUD HHZ 302
(#PRIME)

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
KOLS 0.30 297.2 Pb 11:04:23.439 -0.2 T__ 2680172 FDSN SK -- BUD BUD HHZ ??? _
KOLS 0.30 297.2 Sb 11:04:29.044 -0.1 T__ 2680173 FDSN SK -- BUD BUD HHN ??? _
UZH 0.30 237.3 Pg 11:04:21.942 0.8 T__ 2680171 FDSN UA -- BUD BUD BHZ ??? _
UZH 0.30 237.3 Sb 11:04:27.484 -1.7 T__ 2680170 FDSN UA -- BUD BUD BHN ??? _
TRPA 0.67 188.0 Pb 11:04:29.904 -0.0 T__ 66.5 ML 1.7 2680168 FDSN HU -- BUD BUD HHZ HHZ _
TRPA 0.67 188.0 Sb 11:04:38.789 -1.0 T__ 2680169 FDSN HU -- BUD BUD HHN ??? _

```

```

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

```

```

ABAH 1.08 242.9 Pg 11:04:35.987 -0.0 T__ 164.4 ML 2.3 2680175 FDSN HU -- BUD BUD HHZ HHZ _
ABAH 1.08 242.9 Sg 11:04:49.936 -0.1 T__ 2680174 FDSN HU -- BUD BUD HHN ??? _

```

```

(Reading ML: 2.3 magdef=1
(Station ML: 2.3 magdef=0

```

```

PSZI 2.06 245.7 I 11:16:11.657 -59.7 63.3 -0.3 350.40 -62.1 A__ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud20241mkk Romania

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/06/12 07:46:46.58 0.76 0.46 46.0550 22.9006 8.6 5.4 90 0.0f 7 5 144 0.17 2.78 sx BUD 2680594 ILOC BUD HHZ 189
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.8 0.3 3 BUD 2680594

```

```

Sta 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 0.17 179.4 Pg 07:46:49.852 0.0 T__ 2069.8 ML 2.1 2680595 FDSN RO -- BUD BUD HHZ HHZ _
DEV 0.17 179.4 Lg 07:46:51.564 -0.5 T__ 2680596 FDSN RO -- BUD BUD HHN ??? _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
DRGR 0.75 350.0 Pb 07:47:02.355 -0.2 T__ 71.5 ML 1.8 2680597 FDSN RO -- BUD BUD HHZ HHZ _
DRGR 0.75 350.0 Lg 07:47:11.284 0.6 T__ 2680598 FDSN RO -- BUD BUD HHN ??? _

```

```

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

```

```

LOT 0.86 134.6 Sb 07:47:16.852 0.3 T__ 2680600 FDSN RO -- BUD BUD HHN ??? _
BZS 1.00 244.4 Pg 07:47:05.806 0.1 T__ 30.4 ML 1.5 2680599 FDSN RO -- BUD BUD HHZ HHZ _

```

```

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

```

PSZI 2.78 313.2 I 08:03:32.432 -42.7 129.9 -1.2 319.60 -67.1 A_ 111111 FDSN HU -- BUD BUD ??? ?? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241mog Czech and Slovak Republics

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/06/12 09:43:50.95 1.19 0.61 48.6802 19.1951 5.0 3.6 154 0.0f 6 5 293 0.82 1.05 sx BUD 2680836 ILOC 321
(#PRIME)

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU03A 0.82 160.7 Lg 09:44:19.334 -0.8 T_ 2680838 FDSN Z6 00 BUD BUD HHN ??? _
HU10A 0.84 188.1 Pn 09:44:09.080 0.0 T_ 1323.5 ML 3.1 2680837 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 3.1 magdef=1
(Station ML: 3.1 magdef=0
PSZ 0.89 148.2 Lg 09:44:23.620 0.5 T_ 2680839 FDSN GE -- BUD BUD HHN ??? _
PSZI 0.89 148.3 I 09:48:11.521 -41.5 324.5 -4.3 332.00 -5.3 AS 111111 FDSN HU -- BUD BUD ??? ??? _
HU02A 1.05 121.7 Lg 09:44:27.167 -0.4 T_ 2680840 FDSN Z6 00 BUD BUD HHN ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241ofd Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/06/13 07:23:09.80 47.8987 20.0893 0.0 kx BUD_GT 1 BUD
2024/06/13 07:23:09.80 0.99 0.47 47.9104 20.0923 4.0 0.7 93 0.0f 11 7 219 0.13 0.66 sx BUD 2684011 ILOC 231
(#PRIME)
(locality : Recsk Hungary)
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
ML 1.4 0.1 3 BUD 2684011

Sta 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 0.13 273.5 Pg 07:23:12.285 -0.1 T_ 614.3 ML 1.5 2684012 FDSN GE -- BUD BUD HHZ HHZ _
PSZ 0.13 273.5 Lg 07:23:14.466 0.4 T_ 2684013 FDSN GE -- BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZI 0.13 273.3 I 07:23:51.824 -1.0 98.0 4.9 348.00 9.4 TA_ 111111 FDSN HU -- BUD BUD ??? ??? _
HU02A 0.36 53.7 Pg 07:23:16.528 -0.2 T_ 111.9 ML 1.3 2684015 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 0.36 53.7 Sg 07:23:20.874 -0.5 T_ 2684018 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
CP17A 0.42 42.1 Lg 07:23:23.711 0.5 T_ 2684022 FDSN Z6 00 BUD BUD HHN ??? _
CP16A 0.53 34.6 Lg 07:23:26.829 0.1 T_ 2684019 FDSN Z6 00 BUD BUD HHN ??? _
KECS 0.63 24.5 Lg 07:23:30.269 0.2 T_ 2684020 FDSN SK -- BUD BUD EHN ??? _
JOS 0.66 26.9 Pg 07:23:22.420 0.0 T_ 35.8 ML 1.4 2684016 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 0.66 26.9 Lg 07:23:31.097 0.2 T_ 2684021 FDSN Z6 -- BUD BUD HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=1

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241ofi Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/13	07:28:50.49			46.8548	17.2699				0.0								kx BUD_GT	1	BUD			
2024/06/13	07:28:50.49	0.81	0.66	46.9079	17.3762	4.8	4.2	29	0.0f		16	14	97	0.12	1.99		sx BUD	2684082	ILOC			109

(#PRIME)
(locality : Várvölgy Hungary)
(GT info : GT2 explosion)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
BADH	0.12	147.2	Lg	07:28:55.226	0.8					T__						2684088	FDSN	HU	--	BUD	BUD	HHN	???	-	
A261A	0.16	285.9	Pg	07:28:54.020	0.4					T__		4816.1			ML	2.4	2684085	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
A261A	0.16	285.9	Lg	07:28:56.436	0.7					T__						2684095	FDSN	Z6	00	BUD	BUD	HHN	???	-	
(Reading ML: 2.4 magdef=1 (Station ML: 2.4 magdef=0)																									
A263A	0.27	189.0	Sg	07:28:58.651	-0.5					T__						2684096	FDSN	Z6	00	BUD	BUD	HHN	???	-	
MPLH	0.29	23.0	Pg	07:28:55.560	-0.4					T__		261.3			ML	1.5	2684089	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MPLH	0.29	23.0	Sg	07:28:59.981	0.3					T__						2684093	FDSN	HU	--	BUD	BUD	HHN	???	-	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=0)																									
TIH	0.35	91.1	Lg	07:29:03.171	1.3					T__						2684097	FDSN	HU	--	BUD	BUD	HHN	???	-	
HU08A	0.64	35.3	Sb	07:29:13.929	-0.2					T__						2684098	FDSN	Z6	00	BUD	BUD	HHN	???	-	
A266A	0.72	121.7	Sb	07:29:16.010	-0.3					T__						2684086	FDSN	Z6	00	BUD	BUD	HHN	???	-	
CSKK	0.76	52.6	Sb	07:29:16.822	-0.6					T__						2684099	FDSN	HU	--	BUD	BUD	HHN	???	-	
A267A	0.76	86.7	Sb	07:29:17.574	0.1					T__						2684084	FDSN	Z6	00	BUD	BUD	HHN	???	-	
KOGS	0.90	239.7	Sg	07:29:19.313	-0.1					T__						2684090	FDSN	SL	--	BUD	BUD	BHN	???	-	
KOVH	0.96	148.4	Sb	07:29:22.800	-0.4					T__						2684091	FDSN	HU	--	BUD	BUD	HHN	???	-	
MORH	1.12	127.9	Sg	07:29:25.651	-0.7					T__						2684087	FDSN	HU	--	BUD	BUD	HHN	???	-	
ARSA	1.31	285.8	Sg	07:29:31.595	-1.0					T__						2684092	FDSN	OE	--	BUD	BUD	HHN	???	-	
PSZI	1.99	58.5	I	07:39:52.683	-85.9	242.4	2.1	319.80	-91.6	_A_						111111	FDSN	HU	--	BUD	BUD	???	???	-	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241oin Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/13	09:05:45.06	1.38	0.51	48.4864	21.5428	8.4	6.0	68	0.0f		9	7	179	0.28	1.24		sx BUD	2684284	ILOC			315

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.28	226.8	Pg	09:05:50.623	0.3					T__		150.4			ML	1.2	2684287	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
ABAH	0.28	226.8	Sg	09:05:53.171	-0.8					T__						2684285	FDSN	HU	--	BUD	BUD	HHN	???	-	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=0)																									
KOLS	0.66	47.0	Sn	09:06:12.781	-0.0					T__						2684291	FDSN	SK	--	BUD	BUD	HHE	???	-	
JOS	0.67	271.2	Pb	09:05:59.415	-0.2					T__		20.9			ML	1.2	2684286	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	-
JOS	0.67	271.2	Lg	09:06:06.920	0.4					T__						2684288	FDSN	Z6	--	BUD	BUD	HHN	???	-	
(Reading ML: 1.2 magdef=1 (Station ML: 1.2 magdef=0)																									
CP16A	0.68	258.2	Lg	09:06:07.784	0.7					T__						2684292	FDSN	Z6	00	BUD	BUD	HHN	???	-	
KECS	0.70	270.1	Lg	09:06:07.303	-0.4					T__						2684290	FDSN	SK	--	BUD	BUD	EHN	???	-	
HU02A	0.77	242.2	Lg	09:06:09.987	0.1					T__						2684289	FDSN	Z6	00	BUD	BUD	HHE	???	-	
PSZI	1.24	243.3	I	09:13:50.300	47.1	61.4	-0.7	356.20	-2.6	_A_						111111	FDSN	HU	--	BUD	BUD	???	???	-	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241olt Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/13	10:44:09.46	0.92	1.00	47.5592	18.5516	4.6	4.0	162	0.0f	10	7	122	0.14	0.97	sx	BUD	2684335	ILOC				157

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.14	304.8	Pg	10:44:12.364	0.2					T__		1481.4		___	ML	1.9	2684336	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU09A	0.14	304.8	Sg	10:44:13.176	-0.8					T__				___		2684337	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 1.9 magdef=1)																					
				(Station ML: 1.9 magdef=0)																					
CSKK	0.28	225.3	Lg	10:44:19.060	0.6					T__				___		2684338	FDSN	HU	--	BUD	BUD	HHN	???	_	
BUD	0.33	103.1	Sb	10:44:22.754	-1.3					T__				___		2684339	FDSN	HU	--	BUD	BUD	HHN	???	_	
HU10A	0.43	47.6	Pb	10:44:19.697	-0.2					T__		130.5		___	ML	1.6	2684341	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.43	47.6	Sb	10:44:27.786	0.9					T__				___		2684340	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=0)																					
MPLH	0.79	240.9	Sb	10:44:37.404	0.1					T__				___		2684342	FDSN	HU	--	BUD	BUD	HHN	???	_	
EGYH	0.84	260.7	Sg	10:44:36.385	-0.0					T__				___		2684343	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	0.97	67.9	I	10:49:43.554	1.8	253.2	4.3	322.80	-18.0	TA_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241qhv Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/14	11:01:45.47	0.66	2.50	47.6915	18.7149	3.4	3.1	106	0.0f	12	9	156	0.23	0.95	sx	BUD	2687391	ILOC				173

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.23	256.9	Pg	11:01:49.426	-0.5					T__		185.1		___	ML	1.2	2687393	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU09A	0.23	256.9	Sg	11:01:51.329	-1.5					T__				___		2687394	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 1.2 magdef=1)																					
				(Station ML: 1.2 magdef=0)																					
HU10A	0.26	53.0	Pg	11:01:51.496	1.1					T__		347.3		___	ML	1.6	2687392	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.26	53.0	Lg	11:01:54.498	0.8					T__				___		2687395	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 1.6 magdef=1)																					
				(Station ML: 1.6 magdef=0)																					
BUD	0.30	134.7	Sb	11:01:59.397	0.3					T__				___		2687396	FDSN	HU	--	BUD	BUD	HHN	???	_	
HU08A	0.60	244.4	Lg	11:02:04.924	0.3					T__				___		2687397	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU03A	0.63	70.1	Sb	11:02:08.239	-0.6					T__				___		2687398	FDSN	Z6	00	BUD	BUD	HHN	???	_	
A267A	0.76	192.1	Sb	11:02:12.452	-0.0					T__				___		2687399	FDSN	Z6	00	BUD	BUD	HHN	???	_	
PSZI	0.83	73.7	I	11:06:15.588	-7.0	258.4	3.9	321.60	-13.5	TA_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
PSZ	0.83	73.6	Sb	11:02:12.931	-1.5					T__				___		2687400	FDSN	GE	--	BUD	BUD	HHN	???	_	
MPLH	0.95	237.3	Sg	11:02:15.875	-0.2					T__				___		2687401	FDSN	HU	--	BUD	BUD	HHN	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241vmk Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/17	07:00:29.76	1.10	1.38	48.4290	19.5513	5.5	2.3	154	0.0f	8	6	288	0.56	0.72	sx	BUD	2689779	ILOC				288

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.56	155.7	Lg	07:00:48.343	0.6					T__						2689785	FDSN	GE	--	BUD	BUD	HHN	???	_
PSZI	0.56	155.7	I	07:03:30.691	-2.7	336.2	0.2	334.10	2.3	TA__						111111	FDSN	HU	--	BUD	BUD	???	???	_
KECS	0.62	84.7	Lg	07:00:50.127	0.3					T__						2689782	FDSN	SK	--	BUD	BUD	EHN	???	_
JOS	0.66	83.8	Pg	07:00:41.847	-0.6					T__		26.1				2689781	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.66	83.8	Lg	07:00:51.751	0.7					T__						2689780	FDSN	Z6	--	BUD	BUD	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=0)																								
CP17A	0.67	107.8	Lg	07:00:52.484	1.1					T__						2689783	FDSN	Z6	00	BUD	BUD	HHN	???	_
HU02A	0.72	114.9	Lg	07:00:52.675	-0.2					T__						2689784	FDSN	Z6	00	BUD	BUD	HHN	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241vps Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/17	08:41:23.60	0.99	0.45	48.4169	19.5329	5.0	2.3	151	0.0f		10	8	232	0.55	1.12	sx	BUD	2689802	ILOC			288
#PRIME)																						

Sta	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	0.55	154.0	Sg	08:41:41.528	0.2					T__						2689810	FDSN	GE	--	BUD	BUD	HHN	???	_
PSZI	0.55	154.1	I	08:44:25.294	0.1	334.8	0.5	335.40	3.6	TA__						111111	FDSN	HU	--	BUD	BUD	???	???	_
KECS	0.64	83.7	Lg	08:41:44.251	0.1					T__						2689804	FDSN	SK	--	BUD	BUD	EHN	???	_
JOS	0.67	82.9	Lg	08:41:45.334	0.0					T__						2689803	FDSN	Z6	--	BUD	BUD	HHN	???	_
CP16A	0.68	96.0	Lg	08:41:46.353	1.0					T__						2689805	FDSN	Z6	00	BUD	BUD	HHN	???	_
CP17A	0.68	106.5	Lg	08:41:45.716	0.2					T__						2689806	FDSN	Z6	00	BUD	BUD	HHN	???	_
HU02A	0.73	113.6	Pg	08:41:36.990	-0.5					T__		25.8				2689808	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.73	113.6	Sg	08:41:46.894	0.0					T__						2689807	FDSN	Z6	00	BUD	BUD	HHN	???	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=0)																								
NIE	1.12	26.5	Lg	08:41:59.872	0.2					T__						2689809	FDSN	PL	--	BUD	BUD	BHN	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241zhr Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/19	09:10:38.03	0.93	0.59	48.4382	17.3899	14.9	4.2	114	0.0f		9	6	112	0.10	1.75	sx	BUD	2694008	ILOC			194
#PRIME)																						

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MODS	0.10	229.3	Pg	09:10:40.222	0.3					T__						2694009	FDSN	SK	--	BUD	BUD	HHZ	???	_
MODS	0.10	229.3	Lg	09:10:41.226	0.0					T__						2694014	FDSN	SK	--	BUD	BUD	HHN	???	_
ZST	0.31	218.5	Pg	09:10:43.662	-0.3					T__						2694010	FDSN	SK	--	BUD	BUD	HHZ	???	_
ZST	0.31	218.5	Sg	09:10:47.213	-0.7					T__						2694015	FDSN	SK	--	BUD	BUD	HHN	???	_
JAVC	0.46	23.7	Pb	09:10:49.331	0.2					T__		79.5				2694011	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
JAVC	0.46	23.7	Sb	09:10:55.334	-1.2					T__						2694016	FDSN	CZ	--	BUD	BUD	HHN	???	_
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=0)																								
KRUC	0.91	313.8	Pb	09:10:56.624	-0.0					T__		20.3				2694012	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=0)																								
RONA	1.04	225.2	Pb	09:10:58.980	0.0					T__						2694013	FDSN	OE	--	BUD	BUD	HHZ	???	_
PSZI	1.75	106.3	I	09:20:45.329	-45.5	291.1	2.9	327.20	-73.5	A__						111111	FDSN	HU	--	BUD	BUD	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud20241lzk Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/19	10:37:58.93			47.5600	18.4573				0.0								kx BUD_GT	1	BUD			
2024/06/19	10:37:58.93	0.82	1.24	47.5571	18.5471	4.4	3.5	78	0.0f		9	6	109	0.14	1.34		sx BUD	2694082	ILOC			166

(#PRIME)
(locality : Tatabánya Hungary)
(GT info : GT2 explosion)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU09A	0.14	306.3	Pg	10:38:01.783	0.2					T__		1743.2			ML	1.9	2694084	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU09A	0.14	306.3	Lg	10:38:03.324	-0.1					T__						2694085	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																									
CSKK	0.27	225.2	Pg	10:38:04.044	-0.1					T__		289.5			ML	1.5	2694083	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.27	225.2	Sg	10:38:07.846	0.1					T__						2694086	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
HU10A	0.43	47.7	Sb	10:38:16.764	0.3					T__						2694087	FDSN	Z6	00	BUD	BUD	HHN	???	_	
MPLH	0.79	240.9	Sg	10:38:23.260	-0.9					T__						2694088	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	0.98	67.8	I	10:43:29.763	-2.8	250.0	1.2	320.40	-20.6	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_	
MORH	1.34	177.1	Sg	10:38:42.496	0.4					T__						2694089	FDSN	HU	--	BUD	BUD	HHN	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mavb Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/06/20	05:04:03.22	0.77	0.35	47.2763	17.7053	6.2	4.6	117	0.0f		8	7	150	0.16	1.61		sx BUD	2694396	ILOC				268

(#PRIME)

Sta	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	226.9	Pg	05:04:06.308	0.1					T__		526.3			ML	1.5	2694397	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MPLH	0.16	226.9	Sg	05:04:07.541	-0.6					T__						2694398	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=0)																									
HU08A	0.21	43.7	Pg	05:04:07.321	-0.0					T__		310.4			ML	1.4	2694399	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=0)																									
CSKK	0.39	76.8	Sg	05:04:15.401	-0.3					T__						2694400	FDSN	HU	--	BUD	BUD	HHN	???	_	
HU09A	0.59	51.5	Sg	05:04:21.947	-0.1					T__						2694401	FDSN	Z6	00	BUD	BUD	HHN	???	_	
SRO	0.68	37.2	Lg	05:04:25.343	0.4					T__						2694402	FDSN	SK	--	BUD	BUD	EHN	???	_	
MODS	1.14	345.4	Sg	05:04:39.586	-0.1					T__						2694403	FDSN	SK	--	BUD	BUD	HHN	???	_	
PSZI	1.61	65.8	I	05:12:51.513	-65.4	249.7	2.3	319.70	-70.7	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mbbw Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/06/20	08:29:56.05	0.81	0.89	48.5258	17.7394	4.8	4.4	151	0.0f		10	7	119	0.34	1.56		sx BUD	2694657	ILOC				237

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JAVC	0.34	352.3	Pn	08:30:07.997	-0.3					T__		91.8			ML	1.2	2694661	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	-
JAVC	0.34	352.3	Sb	08:30:12.571	1.6					T__						2694662	FDSN	CZ	--	BUD	BUD	HHN	???	-	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
MODS	0.34	243.8	Pb	08:30:04.793	-0.3					T__						2694658	FDSN	SK	--	BUD	BUD	HHZ	???	-	
MODS	0.34	243.8	Lg	08:30:07.203	0.1					T__						2694659	FDSN	SK	--	BUD	BUD	HHN	???	-	
ZST	0.54	232.4	Lg	08:30:14.351	1.0					T__						2694660	FDSN	SK	--	BUD	BUD	HHN	???	-	
KRUC	1.04	301.6	Sn	08:30:33.277	0.2					T__						2694664	FDSN	CZ	--	BUD	BUD	HHN	???	-	
RONA	1.27	230.0	Sb	08:30:37.308	-0.5					T__						2694665	FDSN	OE	--	BUD	BUD	HHN	???	-	
CONA	1.39	245.2	Sn	08:30:42.261	0.4					T__						2694663	FDSN	OE	--	BUD	BUD	HHN	???	-	
PSZI	1.56	112.1	I	08:39:29.671	1.2	293.4	-0.3	323.60	-62.7	TA__						111111	FDSN	HU	--	BUD	BUD	???	???	-	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mbbx Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/20	08:31:39.83	1.16	0.79	48.4969	17.5086	13.7	4.3	116	0.0f		7	5	116	0.20	1.70	sx	BUD	2694680	ILOC			209

(#PRIME)

Sta	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	231.4	Pg	08:31:43.644	0.0					T__						2694681	FDSN	SK	--	BUD	BUD	HHZ	???	-	
MODS	0.20	231.4	Sg	08:31:45.342	-0.8					T__						2694682	FDSN	SK	--	BUD	BUD	HHN	???	-	
JAVC	0.38	16.4	Pg	08:31:46.848	-0.2					T__		112.2			ML	1.4	2694684	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	-
JAVC	0.38	16.4	Sg	08:31:53.257	1.3					T__						2694683	FDSN	CZ	--	BUD	BUD	HHN	???	-	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=0)																									
KRUC	0.93	307.9	Lg	08:32:09.650	-0.0					T__						2694685	FDSN	CZ	--	BUD	BUD	HHN	???	-	
RONA	1.14	226.0	Lg	08:32:16.888	0.5					T__						2694686	FDSN	OE	--	BUD	BUD	HHN	???	-	
PSZI	1.70	109.1	I	08:41:07.124	-61.4	292.5	1.7	329.20	-67.5	A__						111111	FDSN	HU	--	BUD	BUD	???	???	-	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mbyy Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/20	08:32:59.72	1.35	0.22	48.5334	17.5940	14.9	4.7	115	0.0f		6	4	121	0.26	1.66	sx	BUD	2694700	ILOC			224

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.26	232.9	Pg	08:33:04.829	0.1					T__						2694701	FDSN	SK	--	BUD	BUD	HHZ	???	-	
MODS	0.26	232.9	Sg	08:33:07.842	-0.3					T__						2694702	FDSN	SK	--	BUD	BUD	HHN	???	-	
JAVC	0.33	8.8	Pg	08:33:06.062	0.0					T__		92.4			ML	1.2	2694703	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	-
JAVC	0.33	8.8	Lg	08:33:10.197	-0.1					T__						2694704	FDSN	CZ	--	BUD	BUD	HHN	???	-	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=0)																									
KRUC	0.95	304.2	Lg	08:33:30.410	0.1					T__						2694705	FDSN	CZ	--	BUD	BUD	HHN	???	-	
PSZI	1.66	111.0	I	08:42:00.871	-70.4	293.4	0.7	324.60	-69.1	A__						111111	FDSN	HU	--	BUD	BUD	???	???	-	

STOP
BEGIN IMS2.0

DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mbbz Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/20	08:34:21.29	0.88	0.62	48.4680	17.8081	4.9	4.6	10	0.0f		9	6	137	0.37	1.50	sx	BUD	2694721	ILOC			261

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
MODS	0.37	255.2	Pb	08:34:30.684	-0.0					T__						2694722	FDSN	SK	--	BUD	BUD	HHZ	???	_	
MODS	0.37	255.2	Lg	08:34:33.478	0.4					T__						2694724	FDSN	SK	--	BUD	BUD	HHN	???	_	
JAVC	0.40	347.0	Pb	08:34:31.725	0.4					T__		119.3			ML	1.5	2694723	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
JAVC	0.40	347.0	Sb	08:34:37.367	-0.7					T__						2694725	FDSN	CZ	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=0)																									
KRUC	1.11	303.0	Lg	08:34:56.655	-0.2					T__						2694726	FDSN	CZ	--	BUD	BUD	HHN	???	_	
VRAC	1.16	316.8	Sb	08:34:59.599	-0.3					T__						2694727	FDSN	CZ	--	BUD	BUD	HHN	???	_	
CONA	1.41	248.2	Sn	08:35:07.051	-0.6					T__						2694728	FDSN	OE	--	BUD	BUD	HHN	???	_	
PSZI	1.50	110.8	I	08:43:25.956	-1.0	297.5	5.2	332.20	-48.8	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP

BEGIN IMS2.0

DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mbcx Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/06/20	09:01:36.41	1.05	0.76	47.3403	18.3315	10.6	3.6	64	0.0f		11	9	104	0.05	1.26	sx	BUD	2694750	ILOC				158

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.6	4 BUD	2694750

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.05	295.3	Pg	09:01:37.778	0.3					T__		3494.2			ML	2.0	2694753	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.05	295.3	Lg	09:01:38.682	0.6					T__						2694752	FDSN	HU	--	BUD	BUD	HHN	???	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
HU08A	0.29	288.3	Pb	09:01:43.809	-0.7					T__		122.4			ML	1.2	2694756	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU08A	0.29	288.3	Lg	09:01:47.425	1.6					T__						2694757	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
HU09A	0.30	6.6	Sg	09:01:46.351	0.3					T__						2694751	FDSN	Z6	00	BUD	BUD	HHN	???	_	
A267A	0.41	165.3	Sg	09:01:49.589	0.1					T__						2694758	FDSN	Z6	00	BUD	BUD	HHN	???	_	
TIH	0.53	214.4	Pb	09:01:48.605	-0.0					T__		687.1			ML	2.6	2694759	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 2.6 magdef=1)																									
(Station ML: 2.6 magdef=1)																									
MPLH	0.57	252.8	Pb	09:01:48.888	-0.3					T__		46.7			ML	1.5	2694760	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1)																									
(Station ML: 1.5 magdef=1)																									
MORH	1.15	169.1	Sb	09:02:14.397	-0.1					T__						2694754	FDSN	HU	--	BUD	BUD	HHN	???	_	
PSZI	1.20	60.7	I	09:09:33.687	54.3	241.1	-0.8	323.10	-32.8	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_	
KOVH	1.26	187.3	Sn	09:02:19.875	0.9					T__						2694755	FDSN	HU	--	BUD	BUD	HHN	???	_	

STOP

BEGIN IMS2.0

DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mdab Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/21	09:51:52.77	1.11	1.45	49.0938	21.4359	6.4	4.7	137	0.0f		12	9	171	0.57	1.56		sx BUD	2696887	ILOC			255

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.57	105.9	Sn	09:52:19.626	1.3					T__						2696892	FDSN	SK	--	BUD	BUD	HHN	???	_	
ABAH	0.81	189.3	Sg	09:52:18.128	-0.6					T__						2696890	FDSN	HU	--	BUD	BUD	HHN	???	_	
NIE	0.81	294.0	Sn	09:52:24.876	0.6					T__						2696895	FDSN	PL	--	BUD	BUD	BHN	???	_	
JOS	0.84	225.1	Pg	09:52:08.726	-0.2					T__		63.7				2696889	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_	
JOS	0.84	225.1	Sg	09:52:19.490	-0.3					T__						2696891	FDSN	Z6	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
KECS	0.88	226.2	Pb	09:52:11.019	0.2					T__		107.6			ML	2.0	2696888	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
KECS	0.88	226.2	Sg	09:52:20.891	-0.0					T__						2696893	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_	
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=0)																									
CP16A	0.96	218.6	Sg	09:52:23.903	0.4					T__						2696894	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU02A	1.14	212.2	Sg	09:52:28.288	-1.2					T__						2696896	FDSN	Z6	00	BUD	BUD	HHN	???	_	
PSZ	1.56	221.6	Sn	09:52:42.097	-0.7					T__						2696897	FDSN	GE	--	BUD	BUD	HHN	???	_	
PSZI	1.56	221.7	I	10:01:27.962	3.8	41.1	0.6	342.60	-43.5	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mkhk Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/06/25	09:31:32.35			47.8355	19.1270				0.0								kx BUD_GT	1	BUD			
2024/06/25	09:31:32.35	0.71	0.76	47.8580	19.1203	3.7	2.2	84	0.0f		10	6	176	0.07	1.00		sx BUD	2706495	ILOC			345

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.4	3 BUD	2706495

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.07	259.4	Pg	09:31:33.597	-0.1					T__		1708.5			ML	1.7	2706496	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU10A	0.07	259.4	Sg	09:31:34.350	-0.2					T__						2706497	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1)																									
(Station ML: 1.7 magdef=1)																									
HU03A	0.33	81.7	Pg	09:31:38.814	0.2					T__		90.2			ML	1.2	2706499	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.33	81.7	Lg	09:31:42.909	0.1					T__						2706498	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
PSZI	0.52	83.1	I	09:34:21.931	-1.6	261.2	-2.5	327.30	-4.6	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_	
PSZ	0.52	83.1	Pg	09:31:42.471	0.1					T__		48.9			ML	1.4	2706500	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.52	83.1	Lg	09:31:49.866	0.7					T__						2706501	FDSN	GE	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
HU02A	0.98	73.8	Sb	09:32:05.714	-0.0					T__						2706503	FDSN	Z6	00	BUD	BUD	HHN	???	_	
CP17A	1.00	68.3	Sn	09:32:07.449	-1.0					T__						2706502	FDSN	Z6	00	BUD	BUD	HHN	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024mppj Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/06/28 07:13:35.53  0.87  1.14  47.8337  19.8652  4.8  0.4  12  0.0f  11  8 223  0.09  0.80  sx BUD  2713172  ILOC  DPdep  Err Sgp
(#PRIME)

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PSZI 0.09  12.7  I       07:14:05.441  2.2  197.5  4.7  312.80 -27.0 TA_  1273.9  ___ ML  1.6  111111  FDSN  HU  -- BUD  BUD  ??? ??? _
PSZ  0.09  13.1  Pg      07:13:37.412  0.2  T_  2713173  FDSN  GE  -- BUD  BUD  HHZ HHZ _
PSZ  0.09  13.1  Sg      07:13:38.288 -0.1  T_  2713174  FDSN  GE  -- BUD  BUD  HHN ??? _
(Reading ML: 1.6 magdef=1
 Station ML: 1.6 magdef=0)
HU03A 0.19  291.5 Pg      07:13:39.546  0.3  T_  379.7  ___ ML  1.4  2713175  FDSN  Z6  00 BUD  BUD  HHZ HHZ _
HU03A 0.19  291.5 Lg      07:13:43.288  1.6  T_  2713176  FDSN  Z6  00 BUD  BUD  HHN ??? _
(Reading ML: 1.4 magdef=1
 Station ML: 1.4 magdef=0)
HU10A 0.57  271.5 Sb      07:13:56.210 -0.8  T_  2713179  FDSN  Z6  00 BUD  BUD  HHN ??? _
CP17A 0.58  48.1  Sb      07:13:56.528 -0.8  T_  2713178  FDSN  Z6  00 BUD  BUD  HHN ??? _
CP16A 0.68  41.4  Sg      07:13:56.210 -1.2  T_  2713180  FDSN  Z6  00 BUD  BUD  HHN ??? _
KECS  0.77  32.4  Lg      07:14:00.796  0.5  T_  2713181  FDSN  SK  -- BUD  BUD  EHN ??? _
JOS   0.80  34.0  Lg      07:14:00.923 -0.4  T_  2713182  FDSN  Z6  -- BUD  BUD  HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024mvdh Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/07/01 07:50:20.99  0.94  1.81  47.7921  19.8240  5.0  0.6  20  0.0f  13  10 214  0.13  1.08  sx BUD  2716204  ILOC  DPdep  Err Sgp
(#PRIME)

```

```

Sta  Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh ACh L
PSZI 0.13  20.4  I       07:50:58.892 -5.3  204.2  3.8  318.00 -20.6 TA_  627.4  ___ ML  1.5  111111  FDSN  HU  -- BUD  BUD  ??? ??? _
PSZ  0.13  20.6  Pg      07:50:24.137  0.5  T_  2716205  FDSN  GE  -- BUD  BUD  HHZ HHZ _
PSZ  0.13  20.6  Sg      07:50:25.856  0.5  T_  2716206  FDSN  GE  -- BUD  BUD  HHN ??? _
(Reading ML: 1.5 magdef=1
 Station ML: 1.5 magdef=0)
HU03A 0.19  306.6 Sg      07:50:27.421  0.4  T_  2716208  FDSN  Z6  00 BUD  BUD  HHN ??? _
HU10A 0.55  275.9 Sb      07:50:40.349 -1.4  T_  2716209  FDSN  Z6  00 BUD  BUD  HHN ??? _
HU02A 0.58  54.7  Pb      07:50:33.281 -0.7  T_  35.8  ___ ML  1.4  2716207  FDSN  Z6  00 BUD  BUD  HHZ HHZ _
HU02A 0.58  54.7  Lg      07:50:40.526  1.0  T_  2716210  FDSN  Z6  00 BUD  BUD  HHN ??? _
(Reading ML: 1.4 magdef=1
 Station ML: 1.4 magdef=0)
CP17A 0.63  46.9  Lg      07:50:41.731  0.5  T_  2716211  FDSN  Z6  00 BUD  BUD  HHN ??? _
CP16A 0.73  40.8  Lg      07:50:44.747  0.3  T_  2716212  FDSN  Z6  00 BUD  BUD  HHN ??? _
KECS  0.82  32.4  Sg      07:50:47.036 -0.3  T_  2716213  FDSN  SK  -- BUD  BUD  EHN ??? _
JOS   0.85  34.0  Sg      07:50:48.259 -0.1  T_  2716214  FDSN  Z6  -- BUD  BUD  HHN ??? _
ABAH  1.08  61.5  Sb      07:50:57.631  0.6  T_  2716215  FDSN  HU  -- BUD  BUD  HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

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Event bud2024nalb Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/07/04 05:33:25.96  0.91  0.62  47.8987  20.0893  3.7  0.7  92  0.0f  13  9 154  0.13  0.66  kx BUD_GT  1  BUD  DPdep  Err Sgp
2024/07/04 05:33:25.96  0.91  0.62  47.9128  20.0801  3.7  0.7  92  0.0f  13  9 154  0.13  0.66  sx BUD  2721114  ILOC  DPdep  Err Sgp
(#PRIME)

```

(locality : Recsk Hungary)

(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
ML 1.3 0.1 4 BUD 2721114

Sta	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	272.6	Pg	05:33:28.007	-0.3					T__		528.6		___	ML	1.4	2721119	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.13	272.6	Sg	05:33:29.828	-0.1					T__				___		2721120	FDSN	GE	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
PSZ I	0.13	272.4	I	05:34:07.321	1.0	97.3	5.0	347.10	8.3	TA_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
HU03A	0.32	268.6	Sg	05:33:36.630	0.3					T__				___		2721122	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU02A	0.36	54.8	Pg	05:33:33.053	0.1					T__		93.2		___	ML	1.3	2721115	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.36	54.8	Sg	05:33:36.477	-1.2					T__				___		2721121	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									
CP17A	0.42	43.2	Pg	05:33:34.478	0.4					T__		202.1		___	ML	1.8	2721116	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
CP16A	0.53	35.5	Sg	05:33:42.644	-0.3					T__				___		2721123	FDSN	Z6	00	BUD	BUD	HHN	???	_	
KECS	0.63	25.3	Lg	05:33:46.378	0.1					T__				___		2721117	FDSN	SK	--	BUD	BUD	EHN	???	_	
HU01A	0.65	208.9	Sb	05:33:49.308	-0.4					T__				___		2721125	FDSN	Z6	00	BUD	BUD	HHN	???	_	
JOS	0.66	27.6	Pg	05:33:39.421	0.8					T__		27.3		___	ML	1.3	2721118	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.66	27.6	Sg	05:33:47.118	-0.0					T__				___		2721124	FDSN	Z6	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																									

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024njwj Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/09	09:29:10.42	1.99	0.27	48.7790	21.0836	11.5	4.9	52	0.0f	11	8	206	0.46	1.17		sx	BUD	2733378	ILOC			294
#PRIME)																						

Magnitude Err Nsta Author OrigID
ML 1.5 0.2 3 BUD 2733378

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
JOS	0.46	232.1	Pg	09:29:19.259	0.1					T__		41.6		___	ML	1.2	2733379	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.46	232.1	Sg	09:29:25.087	-0.0					T__				___		2733382	FDSN	Z6	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.2 magdef=1 Station ML: 1.2 magdef=1)																									
ABAH	0.49	167.8	Sg	09:29:26.020	-0.2					T__				___		2733383	FDSN	HU	--	BUD	BUD	HHN	???	_	
KECS	0.50	233.5	Pg	09:29:19.777	-0.1					T__		95.7		___	ML	1.7	2733380	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
KECS	0.50	233.5	Lg	09:29:26.369	0.0					T__				___		2733384	FDSN	SK	--	BUD	BUD	EHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=1)																									
CP17A	0.68	214.4	Sg	09:29:32.106	-0.0					T__				___		2733385	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU02A	0.76	209.7	Pg	09:29:25.350	0.5					T__		37.9		___	ML	1.5	2733381	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.76	209.7	Sg	09:29:34.171	-0.5					T__				___		2733386	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																									
NIE	0.82	321.4	Sg	09:29:36.592	-0.2					T__				___		2733387	FDSN	PL	--	BUD	BUD	BHN	???	_	
PSZ	1.17	223.1	Sg	09:29:47.886	-0.1					T__				___		2733388	FDSN	GE	--	BUD	BUD	HHN	???	_	
PSZ I	1.17	223.1	I	09:37:56.970	116.7	45.8	3.6	342.70	-10.7	A_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0

DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024nlms Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/10	06:53:34.09	1.00	4.85	47.8883	20.1448	4.5	0.9	100	0.0f		10	7	165	0.17	0.66	sx	BUD	2734956	ILOC			232

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.17	280.2	Pg	06:53:38.965	1.6					T__		353.5			1.3	2734957	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.17	280.2	Lg	06:53:41.101	1.5					T__						2734959	FDSN	GE	--	BUD	BUD	HHN	???	_
				(Reading ML: 1.3 magdef=1)																				
				(Station ML: 1.3 magdef=0)																				
PSZI	0.17	280.0	I	06:54:16.975	-12.3	98.2	-1.7	344.60	6.9	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_
HU02A	0.35	47.3	Pg	06:53:40.772	0.0					T__		32.3			0.8	2734958	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.35	47.3	Sb	06:53:47.072	-2.2					T__						2734960	FDSN	Z6	00	BUD	BUD	HHN	???	_
				(Reading ML: 0.8 magdef=1)																				
				(Station ML: 0.8 magdef=0)																				
CPI7A	0.41	36.4	Sb	06:53:49.674	-1.4					T__						2734961	FDSN	Z6	00	BUD	BUD	HHN	???	_
KECS	0.64	20.8	Sb	06:53:56.814	-0.8					T__						2734963	FDSN	SK	--	BUD	BUD	EHN	???	_
HU01A	0.65	213.3	Sg	06:53:54.207	-0.7					T__						2734962	FDSN	Z6	00	BUD	BUD	HHN	???	_
JOS	0.66	23.3	Sb	06:53:58.140	-0.2					T__						2734964	FDSN	Z6	--	BUD	BUD	HHN	???	_

STOP

BEGIN IMS2.0

DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024npfj Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/12	07:42:39.54	1.17	0.62	47.3952	18.4999	4.9	4.5	70	0.0f		9	7	114	0.17	1.18	sx	BUD	2744230	ILOC			193

(#PRIME)

Sta	Dist	EvAz	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	258.9	Pg	07:42:43.349	0.6					T__		2727.6			2.2	2744232	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.17	258.9	Sg	07:42:44.464	-0.4					T__						2744231	FDSN	HU	--	BUD	BUD	HHN	???	_
				(Reading ML: 2.2 magdef=1)																				
				(Station ML: 2.2 magdef=0)																				
HU09A	0.26	341.9	Sb	07:42:51.371	-0.7					T__						2744233	FDSN	Z6	00	BUD	BUD	HHN	???	_
HU08A	0.39	275.5	Lg	07:42:52.121	-0.1					T__						2744234	FDSN	Z6	00	BUD	BUD	HHN	???	_
MPLH	0.69	251.4	Lg	07:43:01.943	0.2					T__						2744235	FDSN	HU	--	BUD	BUD	HHN	???	_
A266A	0.88	190.6	Lg	07:43:07.856	-0.1					T__						2744236	FDSN	Z6	00	BUD	BUD	HHN	???	_
PSZI	1.08	60.4	I	07:48:52.790	0.9	243.2	1.7	342.30	-4.4	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_
MORH	1.18	175.2	Sb	07:43:18.124	-0.6					T__						2744237	FDSN	HU	--	BUD	BUD	HHN	???	_

STOP

BEGIN IMS2.0

DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024nwhp Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/16	04:47:52.51	1.15	1.81	46.8775	22.7547	7.5	4.2	24	0.0f		7	4	166	0.09	2.20	sx	BUD	2751348	ILOC			266

(#PRIME)

Sta	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	0.09	199.2	Pg	04:47:53.121	-1.1					T__		176.9			0.8	2751349	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
DRGR	0.09	199.2	Lg	04:47:55.477	0.0					T__						2751352	FDSN	RO	--	BUD	BUD	HHN	???	_

(Reading ML: 0.8 magdef=1
 (Station ML: 0.8 magdef=0
 CJR 0.60 105.5 Sg 04:48:10.509 -1.3 T__
 LOT 1.59 153.4 Pg 04:48:24.267 1.2 T__ 29.9 ___ ML 1.9 2751351 FDSN RO -- BUD BUD HHZ HHZ _
 LOT 1.59 153.4 Lg 04:48:45.286 1.5 T__ ___ 2751350 FDSN RO -- BUD BUD HHN ??? _
 (Reading ML: 1.9 magdef=1
 (Station ML: 1.9 magdef=0
 PSZI 2.20 299.2 I 05:01:49.637 2.5 116.5 -0.6 304.50 -107.3 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024nwlx Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/16	06:58:29.34	0.57	1.02	47.9107	20.0725	3.6	0.5	93	0.0f		13	8	213	0.12	0.66	sx	BUD	2751379	ILOC			225
#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	4 BUD	2751379

Sta	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	273.8	Pg	06:58:31.385	-0.2					T__		800.6			ML	1.5	2751382	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.12	273.8	Lg	06:58:33.949	0.8					T__						2751384	FDSN	GE	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
PSZI	0.12	273.5	I	06:59:09.874	1.8	97.9	4.5	345.90	7.0	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_	
HU03A	0.32	268.9	Pg	06:58:35.219	-0.2					T__		130.4			ML	1.3	2751386	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.32	268.9	Sg	06:58:39.996	0.5					T__						2751385	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.3 magdef=1 (Station ML: 1.3 magdef=1																									
HU02A	0.37	55.0	Sg	06:58:40.573	-0.7					T__						2751387	FDSN	Z6	00	BUD	BUD	HHN	???	_	
CPL17A	0.43	43.5	Pg	06:58:37.579	0.1					T__		263.6			ML	1.9	2751380	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
CPL17A	0.43	43.5	Lg	06:58:43.678	0.6					T__						2751388	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=1																									
CPL16A	0.53	35.8	Lg	06:58:47.706	1.2					T__						2751389	FDSN	Z6	00	BUD	BUD	HHN	???	_	
KECS	0.64	25.6	Sb	06:58:51.454	-1.3					T__						2751390	FDSN	SK	--	BUD	BUD	EHN	???	_	
JOS	0.66	27.9	Pg	06:58:42.117	0.1					T__		30.3			ML	1.4	2751381	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.66	27.9	Lg	06:58:52.133	1.5					T__						2751391	FDSN	Z6	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=1																									

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024nxeg Ukraine - Moldova - Southwestern Russia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/16	16:14:45.24	1.10	1.11	48.8482	22.3037	6.2	3.7	123	0.0f		12	8	149	0.09	1.86	sx	BUD	2751928	ILOC			213
#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.9	0.2	6 BUD	2751928

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
KOLS	0.09	346.7	Pg	16:14:47.261	-0.0					T__						2751930	FDSN	SK	--	BUD	BUD	HHZ	???	_	
KOLS	0.09	346.7	Lg	16:14:49.699	0.5					T__						2751936	FDSN	SK	--	BUD	BUD	HHN	???	_	
TRPA	0.74	167.6	Pn	16:15:02.866	-0.0					T__		343.3			ML	2.4	2751929	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_

```

TRPA 0.74 167.6 Lg 16:15:12.619 0.7 T__ 2751937 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 2.4 magdef=1
(Station ML: 2.4 magdef=0
KWP 0.83 18.5 Pn 16:15:04.203 0.1 T__ 22.0 ___ ML 1.3 2751935 FDSN PL -- BUD BUD HHZ HHZ _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
ABAH 0.90 232.4 Pg 16:15:03.152 0.2 T__ 73.0 ___ ML 1.9 2751931 FDSN HU -- BUD BUD HHZ HHZ _
ABAH 0.90 232.4 Lg 16:15:14.644 -2.5 T__ ___ 2751938 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
JOS 1.22 253.9 Pn 16:15:08.025 -0.6 T__ 70.1 ___ ML 2.0 2751934 FDSN Z6 -- BUD BUD HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1
CP16A 1.28 247.3 Pg 16:15:10.222 -0.3 T__ 90.0 ___ ML 2.2 2751932 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
HU02A 1.39 239.1 Pn 16:15:11.433 0.3 T__ 31.6 ___ ML 1.8 2751933 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
PSZI 1.86 240.8 I 16:26:22.486 1.9 53.3 -5.7 341.40 -65.2 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

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STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

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Event bud2024nygg Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/07/17 06:23:24.41 2.31 1.66 48.0329 21.5515 15.5 5.7 85 0.0f 10 8 236 0.34 1.12 sx BUD 2752810 ILOC BUD 303
(#PRIME)

```

```

Sta 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 0.34 321.7 Pn 06:23:36.019 -0.5 T__ 204.4 ___ ML 1.5 2752811 FDSN HU -- BUD BUD HHZ HHZ _
ABAH 0.34 321.7 Lg 06:23:37.898 0.3 T__ ___ 2752814 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=0
HU02A 0.69 277.8 Lg 06:23:48.614 -1.3 T__ ___ 2752815 FDSN Z6 00 BUD BUD HHN ??? _
CP17A 0.72 285.4 Lg 06:23:50.788 0.8 T__ ___ 2752816 FDSN Z6 00 BUD BUD HHN ??? _
CP16A 0.74 294.9 Lg 06:23:50.921 0.3 T__ ___ 2752813 FDSN Z6 00 BUD BUD HHN ??? _
JOS 0.82 304.8 Pn 06:23:44.506 2.5 T__ ___ 2752812 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 0.82 304.8 Lg 06:23:53.455 0.3 T__ ___ 2752817 FDSN Z6 -- BUD BUD HHN ??? _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
KOLS 1.02 27.8 Sn 06:24:05.035 3.0 T__ ___ 2752819 FDSN SK -- BUD BUD HHN ??? _
PSZ 1.12 264.7 Sn 06:24:05.005 1.0 T__ ___ 2752818 FDSN GE -- BUD BUD HHN ??? _
PSZI 1.12 264.7 I 06:28:25.857 -87.7 78.6 -4.9 341.90 -7.7 A_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024nyvs Austria

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/07/17 14:12:15.85 1.27 2.22 47.4972 16.3126 7.1 3.8 165 0.0f 8 5 166 0.20 2.45 sx BUD 2753046 ILOC BUD 246
(#PRIME)

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
RONA 0.20 356.9 Pg 14:12:20.246 0.0 T__ ___ 2753048 FDSN OE -- BUD BUD HHZ ??? _

```


(Station ML: 1.7 magdef=0
 HU02A 0.86 109.9 Pg 08:28:58.413 0.3 T__ 26.0 ___ ML 1.4 2753211 FDSN Z6 00 BUD BUD HHZ HHZ _
 HU02A 0.86 109.9 Lg 08:29:09.878 0.6 T__ ___ 2753215 FDSN Z6 00 BUD BUD HHN ??? _
 (Reading ML: 1.4 magdef=1
 (Station ML: 1.4 magdef=1
 NIE 1.19 32.4 Pb 08:29:05.442 0.3 T__ 10.6 ___ ML 1.2 2753212 FDSN PL -- BUD BUD BHZ BHZ _
 (Reading ML: 1.2 magdef=1
 (Station ML: 1.2 magdef=0

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ojik Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/23	07:57:51.35	0.76	0.39	46.0880	22.9154	6.8	3.9	59	0.0f		10	6	147	0.20	2.76	sx	BUD	2771868	ILOC			193

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.5	0.0	3 BUD	2771868

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
DEV	0.20	182.4	Pg	07:57:55.859	0.6					T__		609.1		___	ML	1.7	2771870	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
DEV	0.20	182.4	Sg	07:57:57.388	-0.5					T__				___		2771869	FDSN	RO	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=1																									
GZR	0.70	188.0	Pg	07:58:04.286	-0.5					T__		43.9		___	ML	1.5	2771874	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
GZR	0.70	188.0	Sg	07:58:13.885	0.0					T__				___		2771871	FDSN	RO	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
DRGR	0.72	348.7	Pn	07:58:08.853	-0.0					T__		43.9		___	ML	1.5	2771873	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
DRGR	0.72	348.7	Sn	07:58:20.318	-0.3					T__				___		2771872	FDSN	RO	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=1																									
LOT	0.88	136.6	Sb	07:58:21.767	-0.0					T__				___		2771875	FDSN	RO	--	BUD	BUD	HHN	???	_	
BZS	1.02	243.0	Sb	07:58:26.045	0.1					T__				___		2771876	FDSN	RO	--	BUD	BUD	HHN	???	_	
PSZI	2.76	312.6	I	08:15:14.593	0.2	134.6	4.2	307.60	-79.9	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024olgj Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/07/24	09:13:08.88			47.8987	20.0893				0.0								kx	BUD_GT	1	BUD			
2024/07/24	09:13:08.88	1.17	3.73	47.9033	20.1206	4.7	0.8	95	0.0f		8	6	219	0.15	0.52	sx	BUD	2774694	ILOC			230	

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

Sta	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	275.8	Pg	09:13:11.873	0.1					T__		585.7		___	ML	1.5	2774695	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.15	275.8	Sg	09:13:14.053	0.3					T__				___		2774696	FDSN	GE	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.5 magdef=1 (Station ML: 1.5 magdef=0																									
PSZI	0.15	275.6	I	09:13:50.375	-7.9	98.1	2.7	338.50	0.4	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
HU02A	0.35	51.0	Sb	09:13:23.226	-0.9					T__				___		2774699	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU03A	0.35	270.3	Lg	09:13:22.280	2.1					T__				___		2774697	FDSN	Z6	00	BUD	BUD	HHN	???	_	

CP17A 0.41 39.5 Sb 09:13:24.337 -1.5 T__ 2774700 FDSN Z6 00 BUD BUD HHN ??? _
 CP16A 0.52 32.5 Sb 09:13:28.368 -0.6 T__ 2774701 FDSN Z6 00 BUD BUD HHN ??? _

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024omzk Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/25	07:57:34.96	1.73	0.90	48.3803	19.4704	18.1	2.2	148	0.0f	9	7	292		0.54	1.18	sx	BUD	2775217	ILOC			304
#PRIME)																						

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
PSZ	0.54	148.3	Sn	07:57:59.753	-0.1					T__						2775225	FDSN	GE	--	BUD	BUD	HHN	???	_	
PSZI	0.54	148.4	I	08:01:22.225	49.7	325.2	-3.5	318.50	-13.4	A__						111111	FDSN	HU	--	BUD	BUD	???	???	_	
CP17A	0.71	102.7	Sn	07:58:03.372	-0.6					T__						2775221	FDSN	Z6	00	BUD	BUD	HHN	???	_	
CP16A	0.71	92.7	Sn	07:58:02.797	-1.2					T__						2775220	FDSN	Z6	00	BUD	BUD	HHN	???	_	
JOS	0.72	80.4	Pb	07:57:50.662	0.3					T__		58.2			ML	1.7	2775218	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.72	80.4	Sb	07:58:01.069	0.2					T__						2775219	FDSN	Z6	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.7 magdef=1 Station ML: 1.7 magdef=0)																									
HU02A	0.75	109.7	Pn	07:57:52.760	-0.1					T__		28.2			ML	1.4	2775223	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.75	109.7	Sb	07:58:03.455	1.7					T__						2775222	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=0)																									
ABAH	1.18	93.4	Sb	07:58:14.396	0.3					T__						2775224	FDSN	HU	--	BUD	BUD	HHN	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024omzl Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/25	07:59:31.21	0.51	1.96	48.4038	17.2450	4.0	3.6	57	0.0f	12	7	97		0.04	1.84	sx	BUD	2775248	ILOC			129
#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.8	0.4	3 BUD	2775248

Sta	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	144.4	Pg	07:59:32.193	0.3					T__						2775249	FDSN	SK	--	BUD	BUD	HHZ	???	_	
MODS	0.04	144.4	Sg	07:59:33.098	0.7					T__						2775254	FDSN	SK	--	BUD	BUD	HHN	???	_	
ZST	0.23	204.7	Pg	07:59:35.607	0.0					T__						2775250	FDSN	SK	--	BUD	BUD	HHZ	???	_	
ZST	0.23	204.7	Sg	07:59:37.746	-0.8					T__						2775255	FDSN	SK	--	BUD	BUD	HHN	???	_	
JAVC	0.54	31.6	Pg	07:59:42.065	0.6					T__		193.8			ML	2.1	2775251	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
JAVC	0.54	31.6	Sg	07:59:48.811	0.4					T__						2775256	FDSN	CZ	--	BUD	BUD	HHN	???	_	
(Reading ML: 2.1 magdef=1 Station ML: 2.1 magdef=1)																									
KRUC	0.87	319.8	Pb	07:59:48.852	-0.3					T__		65.1			ML	1.8	2775252	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
KRUC	0.87	319.8	Lg	07:59:58.971	-0.1					T__						2775257	FDSN	CZ	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																									
RONA	0.95	222.4	Pg	07:59:49.264	-0.1					T__						2775253	FDSN	OE	--	BUD	BUD	HHZ	???	_	
VRAC	1.00	334.8	Pg	07:59:49.919	-0.5					T__		22.6			ML	1.4	2775258	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																									
PSZI	1.84	104.3	I	08:10:53.285	-5.7	289.4	3.1	332.60	-73.0	TA__						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024onfw Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/25	11:14:36.33	0.69	3.91	47.8680	20.2003	4.6	0.9	104	0.0f	9	5	243		0.21	0.67		sx BUD	2775310	ILOC			253

Magnitude Err Nsta Author OrigID
 ML 1.3 0.1 3 BUD 2775310

Sta	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	283.9	Pg	11:14:41.249	0.9					T__		315.5			ML	1.4	2775311	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.21	283.9	Lg	11:14:44.499	1.3					T__						2775312	FDSN	GE	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.4 magdef=1)																									
(Station ML: 1.4 magdef=1)																									
PSZI	0.21	283.7	I	11:15:35.451	-9.3	105.3	1.8	343.00	6.3	TA__					111111	111111	FDSN	HU	--	BUD	BUD	???	???	_	
HU02A	0.34	40.5	Pb	11:14:44.417	-0.8					T__		60.5			ML	1.0	2775314	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.34	40.5	Sb	11:14:49.929	-1.3					T__						2775313	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.0 magdef=1)																									
(Station ML: 1.0 magdef=1)																									
CP17A	0.41	30.6	Pb	11:14:46.556	0.1					T__		78.2			ML	1.3	2775315	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
CP17A	0.41	30.6	Sb	11:14:53.877	0.7					T__						2775316	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.3 magdef=1)																									
(Station ML: 1.3 magdef=1)																									
JOS	0.67	19.7	Sn	11:15:03.667	-0.6					T__						2775317	FDSN	Z6	--	BUD	BUD	HHN	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ootu Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/26	07:23:56.09	0.98	0.57	48.4985	19.2329	5.8	2.9	141	0.0f	9	6	257		0.67	1.35		sx BUD	2777723	ILOC			307

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU10A	0.67	192.5	Lg	07:24:17.593	-0.0					T__						2777728	FDSN	Z6	00	BUD	BUD	HHN	???	_	
PSZI	0.73	142.5	I	07:27:58.662	0.0	327.6	4.6	334.70	1.7	TA__					111111	111111	FDSN	HU	--	BUD	BUD	???	???	_	
JOS	0.87	89.7	Pb	07:24:14.012	-0.0					T__		61.4			ML	1.8	2777725	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.87	89.7	Sb	07:24:25.859	-0.4					T__						2777726	FDSN	Z6	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.8 magdef=1)																									
(Station ML: 1.8 magdef=0)																									
CP17A	0.90	107.7	Sn	07:24:29.723	0.1					T__						2777730	FDSN	Z6	00	BUD	BUD	HHN	???	_	
HU02A	0.94	113.1	Pn	07:24:16.604	-0.0					T__		38.9			ML	1.6	2777724	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.94	113.1	Sn	07:24:29.808	-1.0					T__						2777729	FDSN	Z6	00	BUD	BUD	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=0)																									
ABAH	1.35	97.9	Sn	07:24:41.730	0.9					T__						2777727	FDSN	HU	--	BUD	BUD	HHN	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ooxg Hungary

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

2024/07/26 09:08:32.40 1.14 0.49 48.5432 21.7111 7.8 5.5 74 0.0f 7 5 188 0.40 1.37 sx BUD 2777774 ILOC 325
(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
ABAH	0.40	232.0	Sb	09:08:48.189	-0.8					T__						2777780	FDSN	HU	--	BUD	BUD	HHN	???	_	
KOLS	0.54	43.4	Sb	09:08:53.031	-0.1					T__						2777779	FDSN	SK	--	BUD	BUD	HHN	???	_	
JOS	0.78	267.0	Pb	09:08:48.647	-0.2					T__		24.1			ML 1.3	2777777	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_	
JOS	0.78	267.0	Sb	09:09:00.246	0.3					T__						2777778	FDSN	Z6	--	BUD	BUD	HHN	???	_	
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=0)																					
HU02A	0.90	242.4	Pg	09:08:49.922	0.4					T__		29.7			ML 1.5	2777776	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_	
HU02A	0.90	242.4	Sb	09:09:03.619	0.2					T__						2777775	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=0)																					
PSZI	1.37	243.4	I	09:17:39.110	56.8	63.7	1.6	347.70	-21.7	A_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024oweb Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/07/30	08:32:17.03	0.72	0.46	48.8831	21.2816	5.2	4.5	82	0.0f		9	8	232	0.59	1.34	sx	BUD	2785916	ILOC			310

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.7	0.1	7 BUD	2785916

Sta	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	0.59	182.7	Pn	08:32:32.132	-0.5					T__		73.2			ML 1.7	2785921	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
JOS	0.63	232.0	Pg	08:32:29.191	-0.3					T__		76.9			ML 1.7	2785917	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
CP16A	0.73	222.6	Pn	08:32:33.448	0.1					T__		234.7			ML 2.3	2785918	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_	
				(Reading ML: 2.3 magdef=1)																					
				(Station ML: 2.3 magdef=0)																					
NIE	0.84	310.1	Pg	08:32:32.790	-0.1					T__		35.4			ML 1.5	2785923	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_	
				(Reading ML: 1.5 magdef=1)																					
				(Station ML: 1.5 magdef=0)																					
CP17A	0.84	217.9	Pn	08:32:35.422	0.6					T__		104.5			ML 2.0	2785919	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
HU02A	0.91	213.7	Pg	08:32:35.998	0.2					T__		52.5			ML 1.7	2785920	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_	
				(Reading ML: 1.7 magdef=1)																					
				(Station ML: 1.7 magdef=1)																					
PSZ	1.34	224.3	Pg	08:32:44.718	-0.1					T__		59.2			ML 2.0	2785922	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_	
				(Reading ML: 2.0 magdef=1)																					
				(Station ML: 2.0 magdef=1)																					
PSZI	1.34	224.3	I	08:40:14.013	-0.7	43.6	0.4	347.70	-19.2	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024oyfe Hungary

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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2024/07/31 11:23:03.40 0.60 1.65 47.9003 20.1698 3.7 0.8 96 0.0f 9 6 219 0.19 0.78 sx BUD 2787594 ILOC 230
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 1.4 0.1 4 BUD 2787594

Sta	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	275.7	Pg	11:23:09.139	1.2					T__		463.7			ML	1.5 2787595	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.19	275.7	Lg	11:23:11.331	-0.3					T__						2787596	FDSN	GE	--	BUD	BUD	HHE	???	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
PSZI	0.19	275.5	I	11:24:00.527	-3.0	98.9	3.6	346.10	8.8	TA__						111111	FDSN	HU	--	BUD	BUD	???	???	_
HU02A	0.33	46.9	Pg	11:23:11.680	1.1					T__		130.6			ML	1.3 2787597	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.33	46.9	Lg	11:23:16.106	-0.2					T__						2787598	FDSN	Z6	00	BUD	BUD	HHN	???	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																								
CP17A	0.39	35.5	Pn	11:23:14.297	-2.0					T__		100.4			ML	1.4 2787600	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								
JOS	0.65	22.4	Pn	11:23:18.821	0.3					T__		29.1			ML	1.3 2787601	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																								
HU10A	0.78	266.4	Lg	11:23:31.106	-0.8					T__						2787599	FDSN	Z6	00	BUD	BUD	HHN	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ozst Romania

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/08/01 07:22:10.00 0.79 1.30 46.1101 22.8189 6.6 4.0 54 0.0f 7 5 171 0.23 2.70 sx BUD 2788557 ILOC 212
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 1.8 0.3 3 BUD 2788557

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
DEV	0.23	165.4	Pg	07:22:14.424	-0.0					T__		676.7			ML	1.8 2788558	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
DEV	0.23	165.4	Lg	07:22:16.645	-1.1					T__						2788559	FDSN	RO	--	BUD	BUD	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
DRGR	0.69	353.8	Pn	07:22:27.010	0.1					T__		41.9			ML	1.5 2788561	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
GZR	0.72	182.4	Pg	07:22:24.008	0.3					T__		125.1			ML	2.0 2788560	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
BZS	0.97	240.0	Lg	07:22:42.929	0.2					T__						2788562	FDSN	RO	--	BUD	BUD	HHN	???	_
PSZI	2.70	313.2	I	07:39:07.086	-2.3	130.9	-0.1	322.00	-68.9	TA__						111111	FDSN	HU	--	BUD	BUD	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ozsu Romania

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/08/01 07:22:50.02 0.83 0.70 46.0414 22.7096 7.8 4.1 44 0.0f 8 5 139 0.21 2.69 sx BUD 2788583 ILOC 184
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 1.8 0.2 3 BUD 2788583

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
DEV	0.21	139.4	Pg	07:22:53.446	-0.5					T__		862.0			ML 1.8	2788584	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
DEV	0.21	139.4	Lg	07:22:56.489	-0.4					T__						2788585	FDSN	RO	--	BUD	BUD	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
GZR	0.65	175.8	Pg	07:23:03.071	0.6					T__		125.3			ML 2.0	2788587	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
GZR	0.65	175.8	Lg	07:23:12.367	0.6					T__						2788586	FDSN	RO	--	BUD	BUD	HHN	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
DRGR	0.75	0.1	Pn	07:23:07.431	0.3					T__		40.6			ML 1.5	2788588	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.5 magdef=1 Station ML: 1.5 magdef=1)																								
BZS	0.87	241.3	Sn	07:23:22.157	-1.0					T__						2788589	FDSN	RO	--	BUD	BUD	HHN	???	_
PSZI	2.69	315.3	I	07:39:47.388	0.4	132.4	-0.8	314.90	-76.3	TA__						111111	FDSN	HU	--	BUD	BUD	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024pbup Ukraine - Moldova - Southwestern Russia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/08/02	10:34:47.96	2.11	0.38	48.6416	23.1276	16.1	8.8	79	0.0f		8	6	315	0.64	2.28		sx BUD	2793899	ILOC			346
#PRIME)																						

Magnitude Err Nsta Author OrigID
ML 2.0 0.2 3 BUD 2793899

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOLS	0.64	297.6	Pn	10:35:04.142	-0.1					T__						2793906	FDSN	SK	--	BUD	BUD	HHZ	???	_
ABAH	1.30	255.3	Pg	10:35:12.803	-0.1					T__		140.9			ML 2.4	2793900	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 2.4 magdef=1 Station ML: 2.4 magdef=1)																								
JOS	1.73	266.1	Pg	10:35:21.364	0.4					T__		23.1			ML 1.8	2793901	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	1.73	266.1	Sn	10:35:41.273	-0.7					T__						2793902	FDSN	Z6	--	BUD	BUD	HHN	???	_
(Reading ML: 1.8 magdef=1 Station ML: 1.8 magdef=1)																								
KECS	1.76	265.8	Lg	10:35:44.605	0.0					T__						2793905	FDSN	SK	--	BUD	BUD	EHN	???	_
HU02A	1.81	254.3	Pb	10:35:22.048	0.0					T__		27.9			ML 2.0	2793904	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	1.81	254.3	Sb	10:35:44.918	-0.3					T__						2793903	FDSN	Z6	00	BUD	BUD	HHN	???	_
(Reading ML: 2.0 magdef=1 Station ML: 2.0 magdef=1)																								
PSZI	2.28	252.7	I	10:48:05.382	-65.4	70.4	0.1	339.80	-70.3	A__						111111	FDSN	HU	--	BUD	BUD	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024phds Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/08/05	08:52:06.71	0.70	0.86	48.4812	20.8366	6.8	3.0	47	0.0f		11	8	144	0.20	1.00		sx BUD	2798672	ILOC			230
#PRIME)																						

Magnitude Err Nsta Author OrigID
ML 1.3 0.1 7 BUD 2798672

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

JOS	0.20	274.3	Pg	08:52:10.412	-0.1	T__	291.2	___	ML	1.3	2798674	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_		
JOS	0.20	274.3	Lg	08:52:14.116	1.0	T__		___			2798677	FDSN	Z6	--	BUD	BUD	HHN	???	_		
(Reading ML: 1.3 magdef=1)																					
(Station ML: 1.3 magdef=1)																					
KECS	0.23	270.6	Pg	08:52:10.905	-0.3	T__	872.5	___	ML	1.9	2798673	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_		
KECS	0.23	270.6	Lg	08:52:14.993	0.8	T__		___			2798678	FDSN	SK	--	BUD	BUD	EHN	???	_		
(Reading ML: 1.9 magdef=1)																					
(Station ML: 1.9 magdef=0)																					
ABAH	0.33	124.4	Pb	08:52:15.746	0.3	T__	46.9	___	ML	0.9	2798680	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_		
(Reading ML: 0.9 magdef=1)																					
(Station ML: 0.9 magdef=0)																					
CP17A	0.34	219.7	Pb	08:52:15.205	-0.4	T__	97.7	___	ML	1.2	2798675	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_		
CP17A	0.34	219.7	Lg	08:52:19.512	1.9	T__		___			2798679	FDSN	Z6	00	BUD	BUD	HHN	???	_		
(Reading ML: 1.2 magdef=1)																					
(Station ML: 1.2 magdef=1)																					
HU02A	0.42	210.2	Pb	08:52:16.410	-0.5	T__	43.4	___	ML	1.1	2798676	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_		
(Reading ML: 1.1 magdef=1)																					
(Station ML: 1.1 magdef=1)																					
PSZ	0.85	228.6	Pb	08:52:24.696	0.4	T__	41.5	___	ML	1.6	2798682	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_		
(Reading ML: 1.6 magdef=1)																					
(Station ML: 1.6 magdef=1)																					
PSZI	0.85	228.6	I	08:55:59.135	-52.0	52.1	4.2	338.80	3.1	A__			111111	FDSN	HU	--	BUD	BUD	???	???	_
NIE	1.00	339.5	Pg	08:52:25.945	0.0	T__	16.2	___	ML	1.3	2798681	FDSN	PL	--	BUD	BUD	BHZ	BHZ	_		
(Reading ML: 1.3 magdef=1)																					
(Station ML: 1.3 magdef=1)																					

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024phil Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/08/05	11:14:58.09	0.78	0.76	46.3380	22.9148	7.1	4.3	47	0.0f		6	4	162	0.48	2.60	sx	BUD	2798919	ILOC			249
#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
ML	1.6	0.5	3 BUD	2798919

Sta	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	0.48	342.9	Pg	11:15:07.093	-0.1					T__		34.1		___	ML	1.2	2798920	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 1.2 magdef=1)																									
(Station ML: 1.2 magdef=1)																									
LOT	1.07	145.9	Pn	11:15:20.678	0.2					T__		72.3		___	ML	2.0	2798923	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
(Reading ML: 2.0 magdef=1)																									
(Station ML: 2.0 magdef=1)																									
BZS	1.16	231.9	Pb	11:15:20.788	-0.2					T__		31.8		___	ML	1.6	2798921	FDSN	RO	--	BUD	BUD	HHZ	HHZ	_
BZS	1.16	231.9	Sn	11:15:38.536	0.5					T__				___		2798922	FDSN	RO	--	BUD	BUD	HHN	???	_	
(Reading ML: 1.6 magdef=1)																									
(Station ML: 1.6 magdef=1)																									
PSZI	2.60	308.6	I	11:31:22.237	1.2	130.8	4.5	326.50	-69.6	TA__				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024pktj Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/08/07	08:10:50.70	1.25	0.71	48.3220	19.0064	5.8	3.8	123	0.0f		8	5	315	0.72	1.04	sx	BUD	2802786	ILOC			339
#PRIME)																						

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZI	0.72	123.9	I	08:14:50.140	0.8	302.5	-2.1	327.20	-5.6	TA						111111	FDSN	HU	--	BUD	BUD	???	???	-
KECS	1.00	80.2	Pn	08:11:12.696	0.7					T		90.0		ML	2.0	2802789	FDSN	SK	--	BUD	BUD	EHZ	EHZ	-
KECS	1.00	80.2	Sb	08:11:24.378	-0.2					T						2802790	FDSN	SK	--	BUD	BUD	EHN	???	-
(Reading ML: 2.0 magdef=1)																								
(Station ML: 2.0 magdef=0)																								
CP17A	1.01	95.3	Sn	08:11:26.599	-0.4					T						2802791	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU02A	1.03	100.6	Lg	08:11:24.049	0.1					T						2802792	FDSN	Z6	00	BUD	BUD	HHN	???	-
JOS	1.04	79.8	Pb	08:11:11.369	-0.1					T		19.6		ML	1.4	2802787	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	-
JOS	1.04	79.8	Sn	08:11:26.640	-1.0					T						2802788	FDSN	Z6	--	BUD	BUD	HHN	???	-
(Reading ML: 1.4 magdef=1)																								
(Station ML: 1.4 magdef=0)																								

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024pkve Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/08/07	09:05:18.76	1.23	1.03	48.4504	19.5237	5.6	3.0	150	0.0f	9	6	271		0.55	0.75		sx BUD	2804294	ILOC			290
#PRIME)																						

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.55	174.7	Lg	09:05:37.494	1.1					T						2804300	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZ	0.59	154.9	Sg	09:05:36.052	-1.5					T						2804301	FDSN	GE	--	BUD	BUD	HHN	???	-
PSZI	0.59	155.0	I	09:08:32.691	1.0	337.5	2.3	329.40	-2.4	TA						111111	FDSN	HU	--	BUD	BUD	???	???	-
KECS	0.64	86.7	Lg	09:05:40.050	0.7					T						2804295	FDSN	SK	--	BUD	BUD	EHN	???	-
JOS	0.68	85.8	Pg	09:05:31.967	0.2					T		27.2		ML	1.3	2804297	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	-
JOS	0.68	85.8	Lg	09:05:41.284	0.7					T						2804296	FDSN	Z6	--	BUD	BUD	HHN	???	-
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=0)																								
HU02A	0.75	115.8	Pb	09:05:34.127	-0.5					T		23.0		ML	1.3	2804298	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU02A	0.75	115.8	Lg	09:05:43.340	0.6					T						2804299	FDSN	Z6	00	BUD	BUD	HHN	???	-
(Reading ML: 1.3 magdef=1)																								
(Station ML: 1.3 magdef=0)																								

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024pkzd Romania

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/08/07	11:05:34.38	1.60	0.28	46.1770	21.8030	25.1	5.8	128	0.0f	6	4	130		0.58	2.18		sx BUD	2804398	ILOC			257
#PRIME)																						

Sta	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	0.58	193.1	Pb	11:05:47.248	-0.1					T		186.9		ML	2.1	2804402	FDSN	RO	--	BUD	BUD	HHZ	HHZ	-
BZS	0.58	193.1	Sg	11:05:52.842	0.0					T						2804401	FDSN	RO	--	BUD	BUD	HHN	???	-
(Reading ML: 2.1 magdef=1)																								
(Station ML: 2.1 magdef=0)																								
DRGR	0.88	45.3	Pg	11:05:51.403	0.2					T		32.9		ML	1.5	2804399	FDSN	RO	--	BUD	BUD	HHZ	HHZ	-
DRGR	0.88	45.3	Sb	11:06:04.483	-0.4					T						2804403	FDSN	RO	--	BUD	BUD	HHN	???	-
(Reading ML: 1.5 magdef=1)																								
(Station ML: 1.5 magdef=0)																								
CJR	1.35	66.0	Lg	11:06:18.016	0.2					T						2804400	FDSN	RO	--	BUD	BUD	HHN	???	-

PSZI 2.18 323.8 I 11:20:04.253 46.2 138.6 -3.8 306.60 -105.6 A_ 111111 FDSN HU -- BUD BUD ??? ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ptug Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/08/12 06:50:37.38 0.87 2.27 47.7238 18.5720 4.6 4.2 119 0.0f 9 7 133 0.15 0.91 sx BUD 2816644 ILOC 191
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 1.8 0.1 5 BUD 2816644

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU09A 0.15 236.4 Pg 06:50:39.901 -0.4 T_ 2696.4 ML 2.2 2816645 FDSN Z6 00 BUD BUD HHZ HHZ _
HU09A 0.15 236.4 Sg 06:50:41.133 -1.2 T_ 2816646 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=0)
SRO 0.20 297.3 Pg 06:50:40.914 -0.2 T_ 1231.0 ML 1.9 2816647 FDSN SK -- BUD BUD EHZ EHZ _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1)
HU10A 0.32 67.9 Sb 06:50:51.185 -0.7 T_ 2816649 FDSN Z6 00 BUD BUD HHN ??? _
CSKK 0.42 210.4 Pg 06:50:45.351 -0.0 T_ 199.0 ML 1.8 2816648 FDSN HU -- BUD BUD HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1)
MPLH 0.89 232.1 Pb 06:50:55.677 -0.1 T_ 64.2 ML 1.8 2816650 FDSN HU -- BUD BUD HHZ HHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1)
PSZI 0.91 77.2 I 06:55:40.783 -5.2 260.3 2.1 323.90 -14.1 TA_ 111111 FDSN HU -- BUD BUD ??? ??? _
PSZ 0.91 77.2 Pn 06:50:58.895 1.3 T_ 44.3 ML 1.7 2816651 FDSN GE -- BUD BUD HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=0)

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024ptzc Czech and Slovak Republics

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/08/12 09:18:17.01 0.71 0.68 48.6513 19.1696 5.1 3.2 136 0.0f 10 9 216 0.80 1.42 sx BUD 2816782 ILOC 272
(#PRIME)

Magnitude Err Nsta Author OrigID
ML 2.0 0.3 7 BUD 2816782

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU03A 0.80 158.8 Sg 09:18:42.489 -0.2 T_ 2816787 FDSN Z6 00 BUD BUD HHN ??? _
HU10A 0.81 187.2 Pg 09:18:33.012 0.4 T_ 146.6 ML 2.1 2816789 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1)
PSZ 0.88 146.3 Pg 09:18:33.012 -0.8 T_ 53.3 ML 1.7 2816786 FDSN GE -- BUD BUD HHZ HHZ _
(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1)
PSZI 0.88 146.4 I 09:23:12.318 -1.2 325.6 -1.3 333.80 -3.0 TA_ 111111 FDSN HU -- BUD BUD ??? ??? _
KECS 0.89 100.4 Pb 09:18:35.702 0.4 T_ 139.5 ML 2.1 2816790 FDSN SK -- BUD BUD EHZ EHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=0)
JOS 0.92 99.2 Pg 09:18:34.327 -0.4 T_ 49.8 ML 1.7 2816783 FDSN Z6 -- BUD BUD HHZ HHZ _

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(Reading ML: 1.7 magdef=1
(Station ML: 1.7 magdef=1
CP16A 0.96 108.2 Pg 09:18:35.970 0.5 T__ 124.0 ___ ML 2.1 2816784 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 2.1 magdef=1
(Station ML: 2.1 magdef=1
NIE 1.07 43.7 Pg 09:18:37.011 -0.5 T__ 18.5 ___ ML 1.4 2816788 FDSN PL -- BUD BUD BHZ BHZ _
(Reading ML: 1.4 magdef=1
(Station ML: 1.4 magdef=0
ABAH 1.42 103.7 Pg 09:18:44.680 0.4 T__ 46.3 ___ ML 2.0 2816785 FDSN HU -- BUD BUD HHZ HHZ _
(Reading ML: 2.0 magdef=1
(Station ML: 2.0 magdef=1

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STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

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Event bud2024pvuc Ukraine - Moldova - Southwestern Russia region

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/08/13 09:02:38.21 1.28 0.93 48.7945 22.6349 10.2 4.8 58 0.0f 16 11 238 0.28 2.03 sx BUD 2822523 ILOC BUD 245
(#PRIME)

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Magnitude Err Nsta Author OrigID
ML 1.9 0.1 4 BUD 2822523

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Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
KOLS 0.28 300.3 Pb 09:02:45.859 -0.2 T__ 2822527 FDSN SK -- BUD BUD HHZ ??? _
KOLS 0.28 300.3 Sb 09:02:51.847 0.5 T__ 2822526 FDSN SK -- BUD BUD HHN ??? _
TRPA 0.67 185.5 Pb 09:02:52.754 0.0 T__ 90.9 ___ ML 1.8 2822524 FDSN HU -- BUD BUD HHZ HHZ _
TRPA 0.67 185.5 Lg 09:02:59.363 -0.3 T__ 2822525 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=1
ABAH 1.05 242.2 Pb 09:02:59.044 -0.2 T__ 145.9 ___ ML 2.2 2822529 FDSN HU -- BUD BUD HHZ HHZ _
ABAH 1.05 242.2 Lg 09:03:12.802 0.8 T__ 2822528 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 2.2 magdef=1
(Station ML: 2.2 magdef=1
JOS 1.42 258.6 Pg 09:03:05.350 -0.1 T__ 39.1 ___ ML 1.9 2822533 FDSN Z6 -- BUD BUD HHZ HHZ _
JOS 1.42 258.6 Sg 09:03:23.374 -0.5 T__ 2822538 FDSN Z6 -- BUD BUD HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
KECS 1.46 258.5 Sg 09:03:24.331 -0.7 T__ 2822534 FDSN SK -- BUD BUD EHN ??? _
CP17A 1.53 248.6 Sn 09:03:26.624 -0.6 T__ 2822532 FDSN Z6 00 BUD BUD HHN ??? _
HU02A 1.56 245.2 Pn 09:03:07.133 -0.1 T__ 38.0 ___ ML 1.9 2822531 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 1.56 245.2 Sn 09:03:26.496 -1.6 T__ 2822530 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.9 magdef=1
(Station ML: 1.9 magdef=1
NIE 1.66 293.0 Lg 09:03:33.503 2.0 T__ 2822535 FDSN PL -- BUD BUD BHN ??? _
DRGR 2.00 178.5 Lg 09:03:43.925 1.3 T__ 2822537 FDSN RO -- BUD BUD HHN ??? _
PSZ 2.03 245.4 Lg 09:03:44.053 0.7 T__ 2822536 FDSN GE -- BUD BUD HHN ??? _
PSZI 2.03 245.4 I 09:14:31.511 -51.7 63.6 0.2 342.20 -70.0 _A_ 111111 FDSN HU -- BUD BUD ??? ??? _

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STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

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Event bud2024pvva Czech and Slovak Republics

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Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/08/13 09:30:27.99 0.69 1.04 48.2792 19.8465 4.7 1.5 173 0.0f 11 7 249 0.36 0.93 sx BUD 2822565 ILOC BUD 249
(#PRIME)

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Magnitude Err Nsta Author OrigID
ML 1.4 0.1 3 BUD 2822565

Sta	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	174.9	Pg	09:30:35.350	0.4					T		131.0		ML	1.4	2822571	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZ	0.36	174.9	Sb	09:30:42.160	-1.4					T						2822572	FDSN	GE	--	BUD	BUD	HHN	???	-
(Reading ML: 1.4 magdef=1 Station ML: 1.4 magdef=1)																								
PSZI	0.36	175.0	I	09:32:26.208	0.7	357.9	2.9	329.50	-4.2	TA						111111	FDSN	HU	--	BUD	BUD	???	???	-
CP17A	0.45	97.5	Sg	09:30:42.802	0.4					T						2822567	FDSN	Z6	00	BUD	BUD	HHN	???	-
KECS	0.47	64.2	Lg	09:30:45.218	2.0					T						2822573	FDSN	SK	--	BUD	BUD	EHN	???	-
HU02A	0.48	108.8	Pg	09:30:36.687	-0.5					T		49.3		ML	1.3	2822569	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU02A	0.48	108.8	Lg	09:30:44.076	0.6					T						2822568	FDSN	Z6	00	BUD	BUD	HHN	???	-
(Reading ML: 1.3 magdef=1 Station ML: 1.3 magdef=1)																								
JOS	0.51	64.6	Pg	09:30:37.070	-0.7					T		78.0		ML	1.6	2822566	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	-
JOS	0.51	64.6	Sg	09:30:44.708	0.3					T						2822574	FDSN	Z6	--	BUD	BUD	HHN	???	-
(Reading ML: 1.6 magdef=1 Station ML: 1.6 magdef=1)																								
ABAH	0.93	88.4	Sb	09:31:00.382	0.5					T						2822570	FDSN	HU	--	BUD	BUD	HHN	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024pxse Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2024/08/14	10:21:16.48	0.85	0.65	47.8407	19.1455	3.7	2.1	81	0.0f		9	7	192	0.09	1.14	sx	BUD	2823146	ILOC			333		
(#PRIME)																								

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU10A	0.09	273.0	Pg	10:21:18.216	0.1					T		2132.3		ML	1.9	2823147	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU10A	0.09	273.0	Lg	10:21:19.028	-0.2					T						2823148	FDSN	Z6	00	BUD	BUD	HHN	???	-
(Reading ML: 1.9 magdef=1 Station ML: 1.9 magdef=0)																								
HU03A	0.31	78.2	Lg	10:21:27.058	0.5					T						2823149	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZI	0.51	81.0	I	10:24:03.283	0.5	260.2	-1.4	321.00	-11.0	TA						111111	FDSN	HU	--	BUD	BUD	???	???	-
PSZ	0.51	81.0	Lg	10:21:33.738	0.9					T						2823150	FDSN	GE	--	BUD	BUD	HHN	???	-
HU02A	0.97	72.6	Sb	10:21:48.627	-0.9					T						2823151	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP17A	0.99	67.0	Sb	10:21:49.875	-0.2					T						2823152	FDSN	Z6	00	BUD	BUD	HHN	???	-
JOS	1.14	54.4	Lg	10:21:52.610	-0.5					T						2823153	FDSN	Z6	--	BUD	BUD	HHN	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024pzho Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp		
2024/08/15	07:15:47.66			47.8285	19.9317				0.0								kx	BUD_GT	1	BUD				
2024/08/15	07:15:47.66	1.10	1.14	47.8365	19.9368	5.4	0.5	160	0.0f		12	10	209	0.09	0.99	sx	BUD	2825971	ILOC			224		
(#PRIME)																								
(locality : Gyöngyössolymos Hungary) (GT info : GT2 explosion)																								

Magnitude Err Nsta Author OrigID
ML 1.6 0.3 3 BUD 2825971

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

PSZI	0.09	340.3	I	07:16:13.614	-1.8	160.1	-0.2	327.00	-12.8	TA					111111	FDSN	HU	--	BUD	BUD	???	???	_
PSZ	0.09	340.8	Pg	07:15:50.047	0.7					T	3169.2		ML	2.0	2825972	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.09	340.8	Sg	07:15:51.417	1.0					T					2825973	FDSN	GE	--	BUD	BUD	HHN	???	_
		(Reading ML: 2.0 magdef=1)																					
		(Station ML: 2.0 magdef=1)																					
HU03A	0.24	286.6	Pg	07:15:53.359	1.2					T	479.7		ML	1.6	2825974	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
		(Reading ML: 1.6 magdef=1)																					
		(Station ML: 1.6 magdef=1)																					
HU02A	0.49	53.9	Pg	07:15:57.292	0.3					T	57.0		ML	1.4	2825975	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
		(Reading ML: 1.4 magdef=1)																					
		(Station ML: 1.4 magdef=1)																					
CP17A	0.54	45.0	Sb	07:16:07.292	-1.1					T					2825976	FDSN	Z6	00	BUD	BUD	HHN	???	_
HU10A	0.62	271.1	Sb	07:16:09.777	-0.8					T					2825977	FDSN	Z6	00	BUD	BUD	HHN	???	_
CP16A	0.65	38.4	Sb	07:16:11.114	-0.3					T					2825978	FDSN	Z6	00	BUD	BUD	HHN	???	_
KECS	0.74	29.4	Sb	07:16:13.089	-1.1					T					2825979	FDSN	SK	--	BUD	BUD	EHN	???	_
JOS	0.77	31.2	Sb	07:16:13.980	-1.1					T					2825980	FDSN	Z6	--	BUD	BUD	HHN	???	_
ABAH	0.99	61.8	Sn	07:16:22.388	-1.0					T					2825981	FDSN	HU	--	BUD	BUD	HHN	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024qklo Ukraine - Moldova - Southwestern Russia region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/08/21	09:46:10.41	1.28	0.51	48.5615	22.8036	7.4	4.7	156	0.0f		7	5	245	0.47	2.05		sx BUD	2841139	ILOC			295
(#PRIME)																						

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
TRPA	0.47	202.3	Sb	09:46:28.667	-0.2					T						2841143	FDSN	HU	--	BUD	BUD	HHN	???	_
KOLS	0.51	316.9	Pn	09:46:25.489	0.5					T						2841140	FDSN	SK	--	BUD	BUD	HHZ	???	_
KOLS	0.51	316.9	Sb	09:46:29.611	-0.7					T						2841144	FDSN	SK	--	BUD	BUD	HHN	???	_
ABAH	1.07	256.3	Pn	09:46:32.830	0.1					T	40.2			ML	1.7	2841141	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
		(Reading ML: 1.7 magdef=1)																						
		(Station ML: 1.7 magdef=0)																						
JOS	1.51	268.3	Pn	09:46:38.636	-0.0					T	27.3			ML	1.8	2841142	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
		(Reading ML: 1.8 magdef=1)																						
		(Station ML: 1.8 magdef=0)																						
PSZI	2.05	252.8	I	09:59:04.432	0.5	71.9	1.3	352.20	-60.3	TA						111111	FDSN	HU	--	BUD	BUD	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024qxdc Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/08/28	08:15:32.83			48.0453	20.7017				0.0								kx BUD_GT	1	BUD			
2024/08/28	08:15:32.83	0.77	0.80	48.0577	20.6653	5.4	2.2	76	0.0f		8	5	265	0.11	0.54		sx BUD	2855743	ILOC			287

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

Magnitude	Err	Nsta	Author	OrigID
ML	1.4	0.2	4 BUD	2855743

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU02A	0.11	304.5	Pg	08:15:34.856	-0.2					T	772.3			ML	1.5	2855744	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.11	304.5	Sg	08:15:36.075	-0.4					T						2855745	FDSN	Z6	00	BUD	BUD	HHN	???	_
		(Reading ML: 1.5 magdef=1)																						

```

(Station ML: 1.5 magdef=1
CP17A 0.19 327.4 Pg 08:15:36.459 -0.1 T__ 238.9 ___ ML 1.2 2855746 FDSN Z6 00 BUD BUD HHZ HHZ _
CP17A 0.19 327.4 Sg 08:15:39.951 0.9 T__ ___ 2855747 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
JOS 0.45 349.2 Pg 08:15:41.635 0.2 T__ 49.5 ___ ML 1.2 2855748 FDSN Z6 -- BUD BUD HHZ HHZ _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=1
PSZ 0.54 255.2 Pb 08:15:45.045 -0.1 T__ 60.3 ___ ML 1.6 2855749 FDSN GE -- BUD BUD HHZ HHZ _
(Reading ML: 1.6 magdef=1
(Station ML: 1.6 magdef=1
PSZI 0.54 255.2 I 08:18:29.884 1.4 72.8 -1.8 357.10 25.2 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024qyxt Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/08/29 07:50:29.00 0.93 0.66 47.9369 20.1257 3.0 0.8 84 0.0f 11 7 154 0.16 0.68 sx BUD 2860967 ILOC 207
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.3 0.2 3 BUD 2860967

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.16 263.3 Pg 07:50:33.250 0.3 T__ 402.3 ___ ML 1.3 2860968 FDSN GE -- BUD BUD HHZ HHZ _
PSZ 0.16 263.3 Lg 07:50:35.523 -0.7 T__ ___ 2860969 FDSN GE -- BUD BUD HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
PSZI 0.16 263.2 I 07:51:20.728 1.1 85.6 2.6 351.60 13.6 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _
HU02A 0.33 55.2 Pg 07:50:35.824 -0.4 T__ 62.1 ___ ML 1.0 2860972 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 0.33 55.2 Lg 07:50:42.370 0.5 T__ ___ 2860973 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.0 magdef=1
(Station ML: 1.0 magdef=1
CP17A 0.38 42.3 Pg 07:50:37.111 0.1 T__ 129.6 ___ ML 1.5 2860974 FDSN Z6 00 BUD BUD HHZ HHZ _
CP17A 0.38 42.3 Lg 07:50:42.754 -0.3 T__ ___ 2860975 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CP16A 0.49 34.2 Lg 07:50:47.191 0.6 T__ 2860976 FDSN Z6 00 BUD BUD HHN ??? _
JOS 0.62 26.2 Lg 07:50:51.409 0.3 T__ 2860977 FDSN Z6 -- BUD BUD HHN ??? _
HU01A 0.68 210.2 Lg 07:50:53.417 -0.8 T__ 2860978 FDSN Z6 00 BUD BUD HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024rgei Romania

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/09/02 07:06:28.50 1.13 0.94 45.6407 22.9120 7.5 5.2 54 0.0f 8 4 270 0.24 3.08 sx BUD 2867519 ILOC 320
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.1 3 BUD 2867519

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
DEV 0.24 358.6 Pg 07:06:33.423 0.3 T__ 378.9 ___ ML 1.6 2867523 FDSN RO -- BUD BUD HHZ HHZ _
DEV 0.24 358.6 Lg 07:06:36.230 -0.3 T__ ___ 2867520 FDSN RO -- BUD BUD HHN ??? _
(Reading ML: 1.6 magdef=1

```



```

(Station ML: 1.6 magdef=1
BZS 0.91 269.0 Pn 07:06:48.432 -0.1 T__ 20.5 ___ ML 1.3 2867524 FDSN RO -- BUD BUD HHZ HHZ _
BZS 0.91 269.0 Lg 07:06:59.067 -0.1 T__ ___ 2867521 FDSN RO -- BUD BUD HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=1
DRGR 1.16 353.2 Pg 07:06:51.883 0.3 T__ 23.5 ___ ML 1.5 2867525 FDSN RO -- BUD BUD HHZ HHZ _
DRGR 1.16 353.2 Lg 07:07:06.019 -1.9 T__ ___ 2867522 FDSN RO -- BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZI 3.08 318.8 I 07:25:49.662 0.6 140.4 3.8 318.40 -56.1 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024ribx Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/09/03 08:09:46.13 0.56 0.83 47.9811 20.2585 3.6 1.0 76 0.0f 11 8 204 0.23 0.85 sx BUD 2868401 ILOC 220
(#PRIME)

```

```

Magnitude Err Nsta Author OrigID
ML 1.5 0.0 5 BUD 2868401

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
HU02A 0.23 51.6 Pg 08:09:50.015 -0.5 T__ 332.7 ___ ML 1.5 2868404 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 0.23 51.6 Sg 08:09:53.566 0.1 T__ ___ 2868409 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
PSZ 0.25 255.8 Pg 08:09:50.931 -0.0 T__ 169.5 ___ ML 1.2 2868402 FDSN GE -- BUD BUD HHZ HHZ _
PSZ 0.25 255.8 Sg 08:09:53.367 -0.9 T__ ___ 2868408 FDSN GE -- BUD BUD HHN ??? _
(Reading ML: 1.2 magdef=1
(Station ML: 1.2 magdef=0
PSZI 0.25 255.7 I 08:11:08.709 0.9 79.6 4.2 346.50 10.7 TA_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _
CPI17A 0.29 35.3 Pg 08:09:51.608 -0.1 T__ 236.3 ___ ML 1.5 2868405 FDSN Z6 00 BUD BUD HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
CPI6A 0.41 27.4 Sg 08:10:01.088 1.9 T__ 116.2 ___ ML 1.8 2868411 FDSN Z6 00 BUD BUD HHN ??? _
KECS 0.52 16.7 Pg 08:09:56.449 0.3 T__ ___ 2868406 FDSN SK -- BUD BUD EHZ EHZ _
(Reading ML: 1.8 magdef=1
(Station ML: 1.8 magdef=0
JOS 0.55 19.9 Pg 08:09:56.480 -0.2 T__ 44.4 ___ ML 1.5 2868407 FDSN Z6 -- BUD BUD HHZ HHZ _
(Reading ML: 1.5 magdef=1
(Station ML: 1.5 magdef=1
HU10A 0.85 261.2 Lg 08:10:13.759 0.5 T__ ___ 2868412 FDSN Z6 00 BUD BUD HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024rjyd Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/09/04 08:31:38.75 1.08 0.14 47.0921 18.0382 8.5 5.1 68 0.0f 6 4 151 0.22 1.50 sx BUD 2872453 ILOC 227
(#PRIME)

```

```

Sta 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 0.22 207.4 Pg 08:31:42.789 -0.1 T__ 707.7 ___ ML 1.8 2872454 FDSN HU -- BUD BUD HHZ HHZ _
TIH 0.22 207.4 Sg 08:31:45.878 0.2 T__ ___ 2872455 FDSN HU -- BUD BUD HHE ??? _
(Reading ML: 1.8 magdef=1

```

```

(Station ML: 1.8 magdef=0
CSKK 0.31 29.1 Lg 08:31:48.745 0.0 T__
MPLH 0.35 283.1 Pg 08:31:45.496 0.1 T__ 100.6 ___ ML 1.3 2872457 FDSN HU -- BUD BUD HHN ??? _
MPLH 0.35 283.1 Sg 08:31:49.923 -0.0 T__ ___ 2872458 FDSN HU -- BUD BUD HHN ??? _
(Reading ML: 1.3 magdef=1
(Station ML: 1.3 magdef=0
PSZ1 1.50 56.0 I 08:41:43.184 56.7 239.4 2.0 305.60 -75.8 A_ ___ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024rusf Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/09/10	06:01:50.68			47.8987	20.0893				0.0								kx BUD_GT	1	BUD			
2024/09/10	06:01:50.68	0.75	0.78	47.8930	20.0902	4.1	0.6	101	0.0f		9	6	220	0.13	0.54		sx BUD	2881872	ILOC			231

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

Sta	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	281.0	Pg	06:01:53.710	0.5					T__		548.8			ML	1.4	2881873	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_	
PSZ	0.13	281.0	Lg	06:01:55.366	0.4					T__						2881874	FDSN	GE	--	BUD	BUD	HHN	???	_		
(Reading ML: 1.4 magdef=1 (Station ML: 1.4 magdef=0																										
PSZ1	0.13	280.7	I	06:02:33.424	-0.5	98.1	-2.5	348.10	9.5	TA_						111111	FDSN	HU	--	BUD	BUD	???	???	_		
HU03A	0.33	272.1	Sb	06:02:03.837	-1.5					T__						2881876	FDSN	Z6	00	BUD	BUD	HHN	???	_		
HU02A	0.37	51.7	Sb	06:02:05.716	-0.9					T__						2881877	FDSN	Z6	00	BUD	BUD	HHN	???	_		
CP17A	0.43	40.7	Pg	06:01:58.996	0.0					T__		143.4			ML	1.7	2881879	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_	
CP17A	0.43	40.7	Lg	06:02:04.824	0.3					T__						2881878	FDSN	Z6	00	BUD	BUD	HHN	???	_		
(Reading ML: 1.7 magdef=1 (Station ML: 1.7 magdef=0																										
CP16A	0.54	33.7	Lg	06:02:08.264	0.2					T__						2881880	FDSN	Z6	00	BUD	BUD	HHN	???	_		

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024sjli Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/09/18	07:35:01.05	0.57	0.63	46.9630	17.3807	4.4	3.7	90	0.0f		16	14	89	0.16	1.95		sx BUD	2895479	ILOC			121

(#PRIME)

Sta	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	266.1	Pg	07:35:03.441	-0.7					T__		9004.4			ML	2.7	2895481	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_	
A261A	0.16	266.1	Sg	07:35:05.550	-0.6					T__						2895484	FDSN	Z6	00	BUD	BUD	HHN	???	_		
(Reading ML: 2.7 magdef=1 (Station ML: 2.7 magdef=0																										
MPLH	0.23	27.6	Pg	07:35:05.989	0.4					T__		873.6			ML	1.9	2895480	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_	
MPLH	0.23	27.6	Sg	07:35:08.207	-0.4					T__						2895485	FDSN	HU	--	BUD	BUD	HHN	???	_		
(Reading ML: 1.9 magdef=1 (Station ML: 1.9 magdef=0																										
A263A	0.33	188.0	Lg	07:35:12.151	0.6					T__						2895483	FDSN	Z6	00	BUD	BUD	HHE	???	_		
TIH	0.36	100.0	Sb	07:35:15.383	-1.0					T__						2895482	FDSN	HU	--	BUD	BUD	HHN	???	_		
EGYH	0.46	355.8	Sg	07:35:16.130	0.4					T__						2895486	FDSN	HU	--	BUD	BUD	HHN	???	_		
HU08A	0.60	38.1	Lg	07:35:20.553	0.3					T__						2895487	FDSN	Z6	00	BUD	BUD	HHN	???	_		
A265A	0.61	151.9	Lg	07:35:21.255	0.6					T__						2895489	FDSN	Z6	00	BUD	BUD	HHN	???	_		

```

BEHE 0.65 220.4 Lg 07:35:22.791 1.0 T__
A266A 0.75 125.4 Sb 07:35:27.433 -0.3 T__
A264A 0.81 184.5 Sb 07:35:29.870 0.5 T__
KOGS 0.93 236.9 Sg 07:35:31.063 0.1 T__
KOVH 1.01 150.2 Sb 07:35:34.454 -0.7 T__
MORH 1.15 130.2 Sb 07:35:38.824 -0.4 T__
PSZI 1.95 59.8 I 07:48:01.187 44.6 241.8 0.1 327.00 -83.5 A__

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024sjqc Czech and Slovak Republics

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/09/18 09:59:52.20 0.89 0.27 48.1489 17.0666 11.2 4.7 119 0.0f 8 6 133 0.27 1.91 sx BUD 2895709 ILOC BUD HHN 197
(#PRIME)

```

```

Sta 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 0.27 32.0 Pb 09:59:59.956 0.0 T__ 2895710 FDSN SK -- BUD BUD HHZ ??? _
MODS 0.27 32.0 Sb 10:00:04.516 -0.5 T__ 2895711 FDSN SK -- BUD BUD HHN ??? _
RONA 0.69 229.3 Pg 10:00:05.372 0.0 T__ 2895714 FDSN OE -- BUD BUD HHZ ??? _
RONA 0.69 229.3 Lg 10:00:13.945 -0.3 T__ 2895715 FDSN OE -- BUD BUD HHN ??? _
CONA 0.84 255.2 Sg 10:00:19.039 -0.1 T__ 2895716 FDSN OE -- BUD BUD HHN ??? _
KRUC 1.02 334.3 Pb 10:00:12.740 0.0 T__ 34.1 ML 1.6 2895712 FDSN CZ -- BUD BUD HHZ HHZ _
(Reading ML: 1.6 magdef=1
Station ML: 1.6 magdef=0
VRAC 1.20 345.1 Pn 10:00:16.328 0.0 T__ 11.7 ML 1.2 2895713 FDSN CZ -- BUD BUD HHZ HHZ _
(Reading ML: 1.2 magdef=1
Station ML: 1.2 magdef=0
PSZI 1.91 95.9 I 10:12:48.518 58.6 279.9 1.9 327.00 -82.0 A__ 111111 FDSN HU -- BUD BUD ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024sjto Hungary

```

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/09/18 11:45:21.36 1.11 0.47 47.9395 19.0381 9.6 2.3 95 0.0f 7 5 232 0.10 1.15 sx BUD 2895781 ILOC BUD HHN 328
(#PRIME)

```

```

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh ACh L
HU10A 0.10 187.9 Pg 11:45:23.013 -0.2 T__ 1616.9 ML 1.8 2895782 FDSN Z6 00 BUD BUD HHZ HHZ _
HU10A 0.10 187.9 Sg 11:45:24.424 0.0 T__ 2895783 FDSN Z6 00 BUD BUD HHN ??? _
(Reading ML: 1.8 magdef=1
Station ML: 1.8 magdef=0
PSZI 0.58 91.8 I 11:45:46.285 -999 274.8 2.3 323.50 -8.3 A__ 111111 FDSN HU -- BUD BUD ??? ??? _
PSZ 0.58 91.8 Pb 11:45:34.866 0.5 T__ 40.1 ML 1.4 2895785 FDSN GE -- BUD BUD HHZ HHZ _
PSZ 0.58 91.8 Lg 11:45:39.686 -0.2 T__ 2895784 FDSN GE -- BUD BUD HHN ??? _
(Reading ML: 1.4 magdef=1
Station ML: 1.4 magdef=0
CP17A 1.03 73.6 Sb 11:45:55.435 -0.6 T__ 2895786 FDSN Z6 00 BUD BUD HHN ??? _
JOS 1.15 60.4 Sn 11:46:00.584 -0.5 T__ 2895787 FDSN Z6 -- BUD BUD HHN ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024slhm Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/09/19	07:55:46.32	0.87	1.27	47.9936	20.3464	5.2	1.3	76	0.0f		7	5	193	0.18	0.67	sx	BUD	2896706	ILOC			311

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
ML	1.1	0.1	3 BUD	2896706

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
HU02A	0.18	42.9	Pg	07:55:49.297	-0.4					T__		229.3		___	ML	1.1	2896707	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.18	42.9	Sg	07:55:51.755	-0.2					T__				___		2896708	FDSN	Z6	00	BUD	BUD	HHN	???	_	
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
CP17A	0.25	26.0	Pg	07:55:51.016	-0.1					T__		128.9		___	ML	1.1	2896709	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
				(Reading ML: 1.1 magdef=1)																					
				(Station ML: 1.1 magdef=1)																					
PSZI	0.31	256.2	I	07:57:29.552	1.9	77.4	1.5	345.50	11.0	TA_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	
JOS	0.52	14.3	Pg	07:55:56.357	0.1					T__		33.5		___	ML	1.3	2896710	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
				(Reading ML: 1.3 magdef=1)																					
				(Station ML: 1.3 magdef=1)																					
ABAH	0.67	62.8	Lg	07:56:09.503	1.6					T__				___		2896711	FDSN	HU	--	BUD	BUD	HHN	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024suor Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/09/24	09:46:21.06	0.89	0.37	47.9135	16.0904	9.4	5.8	52	0.0f		6	4	128	0.15	2.56	sx	BUD	2904802	ILOC			222

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CONA	0.15	275.6	Pg	09:46:23.953	-0.1					T__		56.0		___	ML	0.5	2904803	FDSN	OE	--	BUD	BUD	HHZ	HHZ	_
CONA	0.15	275.6	Lg	09:46:26.339	0.3					T__				___		2904804	FDSN	OE	--	BUD	BUD	HHN	???	_	
				(Reading ML: 0.5 magdef=1)																					
				(Station ML: 0.5 magdef=0)																					
RONA	0.25	146.9	Pg	09:46:25.804	-0.1					T__				___		2904805	FDSN	OE	--	BUD	BUD	HHZ	???	_	
RONA	0.25	146.9	Lg	09:46:29.753	0.5					T__				___		2904806	FDSN	OE	--	BUD	BUD	HHN	???	_	
KRUC	1.17	9.9	Sn	09:47:01.508	0.2					T__				___		2904807	FDSN	CZ	--	BUD	BUD	HHN	???	_	
PSZI	2.56	88.5	I	10:01:43.529	-45.5	276.8	5.5	323.60	-74.6	A_				___		111111	FDSN	HU	--	BUD	BUD	???	???	_	

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024suqg Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/09/24	10:34:58.04	1.01	0.72	47.3964	18.4836	4.7	4.0	61	0.0f		9	7	113	0.16	1.19	sx	BUD	2904823	ILOC			190

(#PRIME)

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L	
CSKK	0.16	257.7	Pg	10:35:00.988	-0.0					T__		2178.9		___	ML	2.1	2904826	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.16	257.7	Lg	10:35:02.921	-0.1					T__				___		2904825	FDSN	HU	--	BUD	BUD	HHN	???	_	
				(Reading ML: 2.1 magdef=1)																					
				(Station ML: 2.1 magdef=0)																					
HU09A	0.25	344.2	Sb	10:35:10.078	-0.4					T__				___		2904824	FDSN	Z6	00	BUD	BUD	HHN	???	_	

2024/10/01 08:29:19.84 1.85 0.97 48.4249 17.1872 21.4 8.0 104 0.0f 15 10 79 0.54 1.88 sx BUD 2911524 ILOC 128
(#PRIME)

Magnitude Err Nsta Author OrigID
MLv 2.1 0.1 4 BUD 2911524
M 2.1 4 BUD 2911524

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
JAVC	0.54	36.2	Pg	08:29:31.734	0.6					T		332.1			0.0	2911538	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
JAVC	0.54	36.2	Lg	08:29:39.732	-0.1					T						2911537	FDSN	CZ	--	BUD	BUD	HHN	???	_
KRUC	0.83	320.9	Pg	08:29:36.116	0.4					T		103.3			0.0	2911532	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	_
KRUC	0.83	320.9	Sn	08:29:50.906	-1.0					T						2911533	FDSN	CZ	--	BUD	BUD	HHN	???	_
SOP	0.85	209.9	Sn	08:29:52.111	-0.1					T						2911529	FDSN	HU	--	BUD	BUD	HHN	???	_
RONA	0.94	219.8	Pn	08:29:39.951	0.1					T						2911528	FDSN	OE	--	BUD	BUD	HHZ	???	_
RONA	0.94	219.8	Sn	08:29:54.083	-0.5					T						2911527	FDSN	OE	--	BUD	BUD	HHN	???	_
VRAC	0.97	336.3	Lg	08:29:53.426	1.0					T						2911535	FDSN	CZ	--	BUD	BUD	HHN	???	_
CONA	1.02	241.2	Pn	08:29:41.046	-0.0					T		101.1			0.0	2911525	FDSN	OE	--	BUD	BUD	HHZ	???	_
CONA	1.02	241.2	Sn	08:29:55.398	-1.2					T						2911526	FDSN	OE	--	BUD	BUD	HHN	???	_
HU08A	1.11	153.2	Lg	08:29:59.233	0.3					T						2911536	FDSN	Z6	00	BUD	BUD	HHN	???	_
MPLH	1.28	169.2	Lg	08:30:03.615	0.3					T						2911534	FDSN	HU	--	BUD	BUD	HHN	???	_
ARSA	1.62	224.3	Pg	08:29:52.221	-1.2					T		59.5			0.0	2911531	FDSN	OE	--	BUD	BUD	HHZ	HHZ	_
ARSA	1.62	224.3	Lg	08:30:13.804	2.3					T						2911530	FDSN	OE	--	BUD	BUD	HHN	???	_
PSZI	1.88	104.6	I	08:39:36.131	-89.1	290.5	3.9	327.60	-80.1	A						111111	FDSN	HU	--	ISC	ISC	???	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024tjba Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/10/02 07:55:33.89 2.84 0.77 47.8205 19.8510 6.1 0.5 16 0.0f 7 5 240 0.10 0.82 sx BUD 2913741 ILOC 320
(#PRIME)

Magnitude Err Nsta Author OrigID
MLv 1.7 0.0 1 BUD 2913741
M 1.7 1 BUD 2913741

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZI	0.10	16.3	I	07:56:06.541	0.0	197.8	1.4	312.50	-26.9	TA						111111	FDSN	HU	--	ISC	ISC	???	???	_
PSZ	0.10	16.6	Pg	07:55:37.609	0.9					T		817.5			0.0	2913742	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.10	16.6	Lg	07:55:39.143	-0.1					T						2913743	FDSN	GE	--	BUD	BUD	HHN	???	_
HU03A	0.19	296.3	Lg	07:55:41.293	-0.3					T						2913744	FDSN	Z6	00	BUD	BUD	HHN	???	_
HU02A	0.54	56.1	Lg	07:55:53.070	-1.2					T						2913745	FDSN	Z6	00	BUD	BUD	HHN	???	_
JOS	0.82	34.0	Lg	07:56:02.875	0.3					T						2913746	FDSN	Z6	--	BUD	BUD	HHN	???	_

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024txrz Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/10/10 08:23:38.20 2.00 1.17 47.8160 19.8205 5.8 0.6 25 0.0f 12 8 243 0.11 0.83 sx BUD 2922560 ILOC 328
(#PRIME)

Magnitude Err Nsta Author OrigID
MLv 1.6 0.1 3 BUD 2922560
M 1.6 3 BUD 2922560

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

PSZI	0.11	25.7	I	08:24:15.889	1.3	208.0	2.2	317.20	-21.9	TA					111111	FDSN	HU	--	ISC	ISC	???	???		
PSZ	0.11	25.9	Pg	08:23:41.777	0.5					T	790.9				0.0	2922561	FDSN	GE	--	BUD	BUD	HHZ	HHZ	
PSZ	0.11	25.9	Lg	08:23:43.752	-0.3					T						2922562	FDSN	GE	--	BUD	BUD	HHN	???	
HU03A	0.17	300.7	Pg	08:23:43.258	1.0					T	565.5				0.0	2922564	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	
HU03A	0.17	300.7	Lg	08:23:45.891	0.5					T						2922563	FDSN	Z6	00	BUD	BUD	HHN	???	
HU02A	0.56	56.8	Lg	08:23:58.354	-0.9					T						2922565	FDSN	Z6	00	BUD	BUD	HHN	???	
CP17A	0.61	48.7	Lg	08:24:00.740	0.4					T						2922566	FDSN	Z6	00	BUD	BUD	HHN	???	
CP16A	0.71	42.2	Lg	08:24:03.784	0.2					T						2922567	FDSN	Z6	00	BUD	BUD	HHN	???	
KECS	0.80	33.5	Lg	08:24:03.619	-2.8					T						2922568	FDSN	SK	--	BUD	BUD	EHN	???	
JOS	0.83	35.0	Pn	08:23:56.051	0.0					T	46.3				0.0	2922570	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	
JOS	0.83	35.0	Lg	08:24:07.568	0.1					T						2922569	FDSN	Z6	--	BUD	BUD	HHN	???	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024tzox Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/10/11	09:07:07.32	1.68	0.92	48.3330	19.8706	5.5	2.2	176	0.0f		12	7	251	0.42	0.91	sx	BUD	2925773	ILOC			251
#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	2.3	0.2	6 BUD	2925773
M	2.3		6 BUD	2925773

Sta	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	177.8	Pg	09:07:16.691	0.2					T		495.9			0.0	2925782	FDSN	GE	--	BUD	BUD	HHZ	HHZ	
PSZ	0.42	177.8	Lg	09:07:23.474	0.2					T						2925783	FDSN	GE	--	BUD	BUD	HHN	???	
PSZI	0.42	177.9	I	09:09:22.946	0.7	359.5	1.6	346.50	13.6	TA					111111	FDSN	HU	--	ISC	ISC	???	???		
KECS	0.44	69.6	Pg	09:07:16.627	0.4					T	1048.3				0.0	2925777	FDSN	SK	--	BUD	BUD	EHZ	EHZ	
KECS	0.44	69.6	Lg	09:07:23.315	0.4					T						2925776	FDSN	SK	--	BUD	BUD	EHN	???	
CP16A	0.45	88.6	Pg	09:07:17.423	1.0					T	1086.2				0.0	2925778	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	
JOS	0.47	69.7	Pg	09:07:17.073	0.2					T	481.7				0.0	2925774	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	
JOS	0.47	69.7	Lg	09:07:24.047	-0.2					T						2925775	FDSN	Z6	--	BUD	BUD	HHN	???	
HU02A	0.49	115.5	Pg	09:07:17.742	0.1					T	175.1				0.0	2925779	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	
HU02A	0.49	115.5	Lg	09:07:23.124	-2.4					T						2925780	FDSN	Z6	00	BUD	BUD	HHN	???	
ABAH	0.91	91.8	Pn	09:07:26.022	-0.2					T	146.9				0.0	2925781	FDSN	HU	--	BUD	BUD	HHZ	HHZ	

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uffh Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/10/14	11:03:46.10			47.5600	18.4573				0.0								kx	BUD_GT	1	BUD			
2024/10/14	11:03:46.10	2.89	1.26	47.5552	18.5303	5.4	5.1	76	0.0f		6	4	155	0.13	0.99	sx	BUD	2929417	ILOC			273	
#PRIME)																							

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.5	0.0	1 BUD	2929417
M	1.5		1 BUD	2929417

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU09A	0.13	309.9	Lg	11:03:51.066	-1.1					T						2929420	FDSN	Z6	00	BUD	BUD	HHN	???	
CSKK	0.27	223.7	Pg	11:03:52.563	0.7					T	171.4				0.0	2929418	FDSN	HU	--	BUD	BUD	HHZ	HHZ	
CSKK	0.27	223.7	Lg	11:03:55.493	-1.5					T						2929419	FDSN	HU	--	BUD	BUD	HHN	???	
MPLH	0.78	240.6	Lg	11:04:14.354	1.0					T						2929421	FDSN	HU	--	BUD	BUD	HHN	???	

PSZI 0.99 68.0 I 11:09:24.021 -0.0 247.6 -1.4 324.80 -16.8 TA_ 111111 FDSN HU -- ISC ISC ??? ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uipd Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/10/16 07:26:57.48 47.8987 20.0893 0.0
2024/10/16 07:26:57.48 1.26 1.41 47.8896 20.1027 5.1 0.8 101 0.0f 13 8 222 0.14 0.67 kx BUD_GT 1 BUD
(#PRIME)
(locality : Recsk Hungary)
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
MLv 1.7 0.2 4 BUD 2930598
M 1.7 4 BUD 2930598

Sta Dist EvAz Phase Time TRes Azim AzRes Slow SRes Def SNR Amp Per Qual Magnitude ArrID Agy Deploy Ln Auth Rep PCh Ach L
PSZ 0.14 281.7 Pg 07:27:02.611 1.5 T_ 698.8 0.0 2930599 FDSN GE -- BUD BUD HHZ HHZ _
PSZ 0.14 281.7 Lg 07:27:04.394 0.1 T_ 2930600 FDSN GE -- BUD BUD HHN ??? _
PSZI 0.14 281.4 I 07:27:42.466 -1.2 96.1 -5.2 356.40 18.0 TA_ 111111 FDSN HU -- ISC ISC ??? ??? _
HU03A 0.34 272.6 Lg 07:27:12.133 1.8 T_ 2930601 FDSN Z6 00 BUD BUD HHN ??? _
HU02A 0.37 50.5 Pg 07:27:06.847 1.4 T_ 106.3 0.0 2930603 FDSN Z6 00 BUD BUD HHZ HHZ _
HU02A 0.37 50.5 Lg 07:27:12.643 0.9 T_ 2930602 FDSN Z6 00 BUD BUD HHN ??? _
CP17A 0.43 39.6 Pg 07:27:07.834 1.4 T_ 175.0 0.0 2930604 FDSN Z6 00 BUD BUD HHZ HHZ _
CP17A 0.43 39.6 Lg 07:27:12.929 -0.3 T_ 2930605 FDSN Z6 00 BUD BUD HHN ??? _
CP16A 0.54 32.7 Pn 07:27:11.242 -1.2 T_ 158.6 0.0 2930606 FDSN Z6 00 BUD BUD HHZ HHZ _
CP16A 0.54 32.7 Lg 07:27:16.878 -0.0 T_ 2930607 FDSN Z6 00 BUD BUD HHN ??? _
KECS 0.65 23.2 Lg 07:27:21.942 1.5 T_ 2930608 FDSN SK -- BUD BUD EHN ??? _
JOS 0.67 25.6 Lg 07:27:23.439 2.2 T_ 2930609 FDSN Z6 -- BUD BUD HHN ??? _

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uiqy Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
2024/10/16 08:21:44.99 46.8548 17.2699 0.0
2024/10/16 08:21:44.99 1.82 0.94 46.8510 17.3903 8.0 4.5 146 0.0f 11 8 107 0.19 2.01 kx BUD_GT 1 BUD
(#PRIME)
(locality : Várvölgy Hungary)
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
MLv 2.3 0.4 2 BUD 2933768
M 2.3 2 BUD 2933768

Sta 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 0.19 301.5 Pg 08:21:49.681 0.2 T_ 6519.6 0.0 2933769 FDSN Z6 00 BUD BUD HHZ HHZ _
A261A 0.19 301.5 Lg 08:21:52.070 -1.0 T_ 2933770 FDSN Z6 00 BUD BUD HHN ??? _
A263A 0.22 193.9 Lg 08:21:55.029 1.4 T_ 2933776 FDSN Z6 00 BUD BUD HHN ??? _
MPLH 0.34 17.7 Pg 08:21:52.802 0.5 T_ 668.8 0.0 2933771 FDSN HU -- BUD BUD HHZ HHZ _
MPLH 0.34 17.7 Lg 08:21:56.560 -1.4 T_ 2933772 FDSN HU -- BUD BUD HHN ??? _
HU08A 0.69 31.9 Lg 08:22:10.573 0.4 T_ 2933773 FDSN Z6 00 BUD BUD HHN ??? _
CSKK 0.78 48.9 Lg 08:22:13.755 -0.2 T_ 2933777 FDSN HU -- BUD BUD HHN ??? _
KOVH 0.91 147.0 Lg 08:22:15.286 -0.6 T_ 2933774 FDSN HU -- BUD BUD HHN ??? _
MORH 1.07 125.9 Lg 08:22:21.044 -1.1 T_ 2933775 FDSN HU -- BUD BUD HHN ??? _
PSZI 2.01 57.0 I 08:34:22.591 0.5 238.8 -0.0 318.90 -93.0 TA_ 111111 FDSN HU -- ISC ISC ??? ??? _

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uivv Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/10/16	10:49:35.07	2.94	1.40	47.8245	19.1008	6.3	2.9	79	0.0f		8	6	334	0.54	1.17	sx	BUD	2934851	ILOC			334
(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.0	1 BUD	2934851
M	1.7		1 BUD	2934851

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZI	0.54	79.8	I	10:52:32.418	0.1	265.2	4.8	328.60	-3.3	TA_						111111	FDSN	HU	--	ISC	ISC	???	???	_
PSZ	0.54	79.7	Lg	10:49:56.192	0.7					T_						2934856	FDSN	GE	--	BUD	BUD	HHN	???	_
HU02A	1.00	72.2	Sn	10:50:10.079	-1.5					T_						2934857	FDSN	Z6	00	BUD	BUD	HHN	???	_
CP17A	1.03	66.8	Sn	10:50:11.284	-0.4					T_						2934852	FDSN	Z6	00	BUD	BUD	HHN	???	_
KECS	1.14	54.1	Sn	10:50:15.118	0.5					T_						2934853	FDSN	SK	--	BUD	BUD	EHN	???	_
JOS	1.17	54.6	Pg	10:49:59.589	1.3					T_		39.0			0.0	2934855	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	1.17	54.6	Sn	10:50:13.256	-2.2					T_						2934854	FDSN	Z6	--	BUD	BUD	HHN	???	_

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024umnh Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/10/18	11:03:16.20	1.54	0.74	46.1296	18.0756	9.3	4.2	122	0.0f		10	5	157	0.04	2.18	sx	BUD	2941563	ILOC			220
(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.5	0.3	4 BUD	2941563
M	1.5		4 BUD	2941563

Sta	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	157.7	Pg	11:03:18.031	0.2					T_		882.6			0.0	2941564	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
KOVH	0.04	157.7	Lg	11:03:18.660	-0.8					T_						2941565	FDSN	HU	--	BUD	BUD	HHN	???	_
A273A	0.28	220.4	Pg	11:03:22.171	-0.1					T_		401.5			0.0	2941566	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
A273A	0.28	220.4	Lg	11:03:26.415	-0.2					T_						2941567	FDSN	Z6	00	BUD	BUD	HHN	???	_
MORH	0.40	77.6	Pg	11:03:25.316	0.6					T_		49.0			0.0	2941568	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MORH	0.40	77.6	Lg	11:03:30.809	-0.5					T_						2941569	FDSN	HU	--	BUD	BUD	HHN	???	_
A266A	0.42	18.2	Pg	11:03:24.594	-0.5					T_		264.2			0.0	2941571	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
A266A	0.42	18.2	Lg	11:03:33.129	1.3					T_						2941570	FDSN	Z6	00	BUD	BUD	HHN	???	_
PSZI	2.18	34.1	I	11:16:59.933	-0.8	215.4	-0.1	319.10	-93.1	TA_						111111	FDSN	HU	--	ISC	ISC	???	???	_

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uruk Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/10/21	08:19:41.14	1.51	2.08	47.7672	19.3474	4.9	2.1	68	0.0f		13	11	155	0.22	1.08	sx	BUD	2943843	ILOC			188
(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.9	0.0	1 BUD	2943843

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
M	1.9		1 BUD	2943843																				
HU03A	0.22	51.1	Lg	08:19:54.072	4.2					T						2943847	FDSN	Z6	00	BUD	BUD	HHN	???	-
BUD	0.36	217.8	Lg	08:19:56.668	1.5					T						2943854	FDSN	HU	--	BUD	BUD	HHN	???	-
PSZI	0.40	67.5	I	08:21:46.970	-3.1	247.5	-0.4	321.40	-11.8	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
PSZ	0.40	67.5	Pn	08:19:53.630	-0.5					T		234.9			0.0	2943844	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZ	0.40	67.5	Lg	08:19:59.363	2.7					T						2943845	FDSN	GE	--	BUD	BUD	HHN	???	-
HU02A	0.87	65.4	Lg	08:20:12.842	0.2					T						2943849	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP17A	0.90	59.5	Sn	08:20:16.178	1.5					T						2943846	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP16A	0.99	53.8	Lg	08:20:19.064	0.6					T						2943851	FDSN	Z6	00	BUD	BUD	HHN	???	-
A267A	1.01	215.9	Lg	08:20:15.183	-1.9					T						2943848	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU08A	1.02	251.3	Lg	08:20:16.728	-0.7					T						2943850	FDSN	Z6	00	BUD	BUD	HHN	???	-
KECS	1.05	46.4	Lg	08:20:20.757	-0.4					T						2943852	FDSN	SK	--	BUD	BUD	EHN	???	-
JOS	1.08	47.2	Lg	08:20:21.796	0.2					T						2943853	FDSN	Z6	--	BUD	BUD	HHN	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024urwx Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/10/21	09:35:35.46			47.2302	18.2835				0.0								kx BUD_GT	1	BUD			
2024/10/21	09:35:35.46	2.53	2.25	47.2907	18.3728	6.1	5.2	154	0.0f		8	6	112	0.11	1.21		sx BUD	2943903	ILOC			200

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.0	0.0	1 BUD	2943903
M	1.0		1 BUD	2943903

Sta	Dist	EvAz	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	313.5	Pg	09:35:40.000	1.8					T		291.7			0.0	2943904	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.11	313.5	Lg	09:35:40.987	0.1					T						2943905	FDSN	HU	--	BUD	BUD	HHN	???	-
HU08A	0.34	294.9	Lg	09:35:46.033	-2.6					T						2943906	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU09A	0.35	1.1	Lg	09:35:49.971	0.8					T						2943907	FDSN	Z6	00	BUD	BUD	HHN	???	-
MPLH	0.58	258.3	Lg	09:35:52.903	-3.5					T						2943908	FDSN	HU	--	BUD	BUD	HHN	???	-
MORH	1.09	170.1	Sn	09:36:13.799	0.3					T						2943909	FDSN	HU	--	BUD	BUD	HHN	???	-
PSZI	1.21	58.1	I	09:42:37.336	-1.5	241.8	2.6	325.50	-30.5	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uryc Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/10/21	10:11:58.30	2.72	2.14	47.3022	17.5391	8.3	4.8	155	0.0f		7	5	129	0.13	1.71		sx BUD	2943980	ILOC			243

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.2	0.0	1 BUD	2943980
M	1.2		1 BUD	2943980

Sta	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	179.9	Pg	10:12:02.770	1.1					T		392.6			0.0	2943981	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MPLH	0.13	179.9	Lg	10:12:03.614	-0.9					T						2943982	FDSN	HU	--	BUD	BUD	HHN	???	-
EGYH	0.18	309.3	Lg	10:12:07.229	1.1					T						2943983	FDSN	HU	--	BUD	BUD	HHN	???	-
HU08A	0.29	63.6	Lg	10:12:07.945	-2.0					T						2943984	FDSN	Z6	00	BUD	BUD	HHN	???	-

KOVH	0.15	244.7	Pg	08:58:29.363	-0.1	T	361.9	0.0	2944186	FDSN	HU	--	BUD	BUD	HHZ	HHZ	---	
KOVH	0.15	244.7	Lg	08:58:32.736	0.3	T	---	---	2944188	FDSN	HU	--	BUD	BUD	HHN	???	---	
MORH	0.25	75.4	Pg	08:58:31.871	0.5	T	104.9	0.0	2944187	FDSN	HU	--	BUD	BUD	HHZ	HHZ	---	
MORH	0.25	75.4	Lg	08:58:34.750	-1.1	T	---	---	2944189	FDSN	HU	--	BUD	BUD	HHN	???	---	
A266A	0.37	356.9	Lg	08:58:39.289	-0.7	T	---	---	2944190	FDSN	Z6	00	BUD	BUD	HHN	???	---	
PSZI	2.08	31.2	I	09:11:30.976	0.4	TA	211.7	-0.7	301.30	-111.4	TA	---	---	ISC	ISC	???	???	---

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024utta Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/10/22	09:53:59.67	2.00	1.29	47.3844	18.4766	5.5	5.1	156	0.0f	11	8	113	0.15	1.32	sx	BUD	2944275	ILOC				143

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.5	0.3	2 BUD	2944275
M	1.5		2 BUD	2944275

Sta	Dist	EvAz	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	261.8	Pg	09:54:03.353	0.1	T	---	---	---	---	---	1454.5	---	---	0.0	2944276	FDSN	HU	--	BUD	BUD	HHZ	HHZ	---
CSKK	0.15	261.8	Lg	09:54:04.504	-2.1	T	---	---	---	---	---	---	---	---	---	2944277	FDSN	HU	--	BUD	BUD	HHN	???	---
HU09A	0.26	345.9	Lg	09:54:10.596	0.2	T	---	---	---	---	---	---	---	---	---	2944278	FDSN	Z6	00	BUD	BUD	HHN	???	---
HU08A	0.38	277.3	Pg	09:54:09.416	1.7	T	---	---	---	---	---	121.0	---	---	0.0	2944279	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	---
HU08A	0.38	277.3	Lg	09:54:13.797	-0.5	T	---	---	---	---	---	---	---	---	---	2944280	FDSN	Z6	00	BUD	BUD	HHN	???	---
MPLH	0.67	251.8	Lg	09:54:21.474	-2.1	T	---	---	---	---	---	---	---	---	---	2944281	FDSN	HU	--	BUD	BUD	HHN	???	---
PSZI	1.10	60.4	I	10:00:18.473	-1.0	TA	246.1	4.7	320.40	-27.6	TA	---	---	---	---	111111	FDSN	HU	--	ISC	ISC	???	???	---
PSZ	1.10	60.3	Lg	09:54:39.413	0.1	T	---	---	---	---	---	---	---	---	---	2944282	FDSN	GE	--	BUD	BUD	HHN	???	---
MORH	1.18	174.3	Sn	09:54:39.628	-0.2	T	---	---	---	---	---	---	---	---	---	2944283	FDSN	HU	--	BUD	BUD	HHN	???	---
KOVH	1.32	191.4	Sn	09:54:43.360	-0.1	T	---	---	---	---	---	---	---	---	---	2944284	FDSN	HU	--	BUD	BUD	HHN	???	---

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uvvq Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/10/23	13:30:17.62	2.03	2.06	47.6170	16.4686	10.3	4.5	174	0.0f	12	8	94	0.09	2.33	sx	BUD	2944651	ILOC					151

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.2	0.4	2 BUD	2944651
M	1.2		2 BUD	2944651

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
SOP	0.09	42.4	Pg	13:30:21.736	1.9	T	---	---	---	---	---	119.6	---	---	0.0	2944654	FDSN	HU	--	BUD	BUD	HHZ	HHZ	---
SOP	0.09	42.4	Lg	13:30:23.258	1.7	T	---	---	---	---	---	---	---	---	---	2944655	FDSN	HU	--	BUD	BUD	HHN	???	---
RONA	0.14	305.5	Pg	13:30:20.652	-0.2	T	---	---	---	---	---	---	---	---	---	2944652	FDSN	OE	--	BUD	BUD	HHZ	???	---
RONA	0.14	305.5	Lg	13:30:21.989	-1.2	T	---	---	---	---	---	---	---	---	---	2944653	FDSN	OE	--	BUD	BUD	HHN	???	---
A260A	0.37	154.2	Lg	13:30:31.066	0.3	T	---	---	---	---	---	---	---	---	---	2944656	FDSN	Z6	00	BUD	BUD	HHN	???	---
CONA	0.51	307.5	Pg	13:30:27.859	-0.1	T	---	---	---	---	---	68.0	---	---	0.0	2944658	FDSN	OE	--	BUD	BUD	HHZ	HHZ	---
CONA	0.51	307.5	Lg	13:30:32.630	-2.2	T	---	---	---	---	---	---	---	---	---	2944657	FDSN	OE	--	BUD	BUD	HHN	???	---
EGYH	0.62	108.6	Lg	13:30:39.274	-0.5	T	---	---	---	---	---	---	---	---	---	2944660	FDSN	HU	--	BUD	BUD	HHN	???	---
ARSA	0.74	240.6	Lg	13:30:36.750	-4.5	T	---	---	---	---	---	---	---	---	---	2944659	FDSN	OE	--	BUD	BUD	HHN	???	---
MPLH	0.85	121.2	Lg	13:30:47.984	0.5	T	---	---	---	---	---	---	---	---	---	2944661	FDSN	HU	--	BUD	BUD	HHE	???	---
PSZI	2.33	81.3	I	13:44:57.966	-2.2	TA	265.5	1.7	324.30	-84.1	TA	---	---	---	---	111111	FDSN	HU	--	ISC	ISC	???	???	---

STOP

BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uxig Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/10/24	09:00:18.01			46.8902	17.3220				0.0								kx BUD_GT	1	BUD			
2024/10/24	09:00:18.01	1.76	1.89	46.9289	17.3089	8.9	4.4	149	0.0f		12	9	111	0.11	2.01		sx BUD	2946618	ILOC			156

(#PRIME)
(locality : Uzsa Hungary)
(GT info : GT2 explosion)

Magnitude	Err	Nsta	Author	OrigID
MLv	2.2	0.5	2 BUD	2946618
M	2.2		2 BUD	2946618

Sta	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	281.9	Pg	09:00:22.157	1.2					T		8258.0			0.0	2946621	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
A261A	0.11	281.9	Lg	09:00:23.417	0.0					T						2946628	FDSN	Z6	00	BUD	BUD	HHN	???	-
A263A	0.29	179.2	Lg	09:00:29.751	0.8					T						2946627	FDSN	Z6	00	BUD	BUD	HHN	???	-
MPLH	0.29	33.1	Pg	09:00:23.773	-0.6					T		576.0			0.0	2946619	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MPLH	0.29	33.1	Lg	09:00:26.430	-3.0					T						2946620	FDSN	HU	--	BUD	BUD	HHN	???	-
CSKK	0.78	55.9	Lg	09:00:45.601	-1.3					T						2946626	FDSN	HU	--	BUD	BUD	HHN	???	-
KOGS	0.87	237.0	Lg	09:00:48.475	1.8					T						2946624	FDSN	SL	--	BUD	BUD	BHN	???	-
KOVH	1.00	146.7	Sn	09:00:51.235	-2.2					T						2946623	FDSN	HU	--	BUD	BUD	HHN	???	-
MORH	1.17	127.3	Sn	09:00:58.686	1.3					T						2946622	FDSN	HU	--	BUD	BUD	HHN	???	-
PTJ	1.38	222.7	Sn	09:01:02.364	-1.0					T						2946625	FDSN	CR	--	BUD	BUD	BHN	???	-
PSZI	2.01	59.6	I	09:13:00.540	2.8	239.5	-2.0	319.70	-92.3	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uzcn Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/10/25	08:23:05.85	1.77	2.06	47.9342	20.3206	5.1	1.5	87	0.0f		11	9	207	0.23	0.71		sx BUD	2948444	ILOC				230

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.4	0.2	3 BUD	2948444
M	1.4		3 BUD	2948444

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU02A	0.23	36.0	Pg	08:23:12.979	1.8					T		206.7			0.0	2948445	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
PSZ	0.29	267.0	Pg	08:23:14.078	1.6					T		167.3			0.0	2948447	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZ	0.29	267.0	Lg	08:23:17.644	0.1					T						2948448	FDSN	GE	--	BUD	BUD	HHN	???	-
PSZI	0.29	266.9	I	08:24:35.066	-3.6	81.9	-4.7	349.10	14.1	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
CP17A	0.31	24.1	Pg	08:23:13.234	0.7					T		257.8			0.0	2948446	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
CP16A	0.43	19.7	Lg	08:23:21.187	-0.5					T						2948449	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU03A	0.49	266.7	Lg	08:23:24.579	0.8					T						2948450	FDSN	Z6	00	BUD	BUD	HHN	???	-
KECS	0.56	11.3	Lg	08:23:25.726	-0.1					T						2948451	FDSN	SK	--	BUD	BUD	EHN	???	-
JOS	0.58	14.5	Lg	08:23:25.535	-0.9					T						2948452	FDSN	Z6	--	BUD	BUD	HHN	???	-
ABAH	0.71	59.2	Lg	08:23:28.656	-3.5					T						2948453	FDSN	HU	--	BUD	BUD	HHN	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024uzjt Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2024/10/25 12:03:01.56 1.90 1.73 47.3901 18.4527 5.4 5.0 153 0.0f 12 9 90 0.13 1.11 sx BUD 2948517 ILOC 157
 (#PRIME)

Magnitude Err Nsta Author OrigID
 MLv 2.1 0.3 2 BUD 2948517
 M 2.1 2 BUD 2948517

Sta	Dist	EvAz	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	258.4	Pg	12:03:05.118	0.3					T		7070.4			0.0	2948518	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.13	258.4	Lg	12:03:05.899	-2.0					T						2948519	FDSN	HU	--	BUD	BUD	HHN	???	-
HU09A	0.25	349.2	Lg	12:03:13.039	1.1					T						2948520	FDSN	Z6	00	BUD	BUD	HHN	???	-
A271A	0.35	132.1	Lg	12:03:16.027	0.6					T						2948521	FDSN	Z6	00	BUD	BUD	HHN	???	-
BUD	0.40	76.2	Lg	12:03:19.045	1.9					T						2948523	FDSN	HU	--	BUD	BUD	HHN	???	-
A267A	0.44	177.4	Lg	12:03:17.267	-1.0					T						2948522	FDSN	Z6	00	BUD	BUD	HHN	???	-
MPLH	0.66	250.8	Pg	12:03:15.360	0.3					T		130.9			0.0	2948524	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MPLH	0.66	250.8	Lg	12:03:23.194	-1.9					T						2948525	FDSN	HU	--	BUD	BUD	HHN	???	-
A266A	0.87	188.5	Lg	12:03:30.600	-1.2					T						2948526	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU03A	0.93	56.0	Sn	12:03:37.464	1.5					T						2948527	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZI	1.11	61.0	I	12:09:22.877	-3.0	246.5	4.4	333.20	-15.6	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024vaz1 Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2024/10/26 09:06:57.59 1.84 1.12 46.1862 18.2994 9.0 4.3 125 0.0f 7 4 151 0.17 2.05 sx BUD 2950486 ILOC 272
 (#PRIME)

Magnitude Err Nsta Author OrigID
 MLv 1.2 0.1 2 BUD 2950486
 M 1.2 2 BUD 2950486

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
KOVH	0.17	234.8	Pg	09:07:01.363	-0.3					T		294.9			0.0	2950487	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
KOVH	0.17	234.8	Lg	09:07:03.931	-0.9					T						2950488	FDSN	HU	--	BUD	BUD	HHN	???	-
MORH	0.24	83.0	Pg	09:07:03.292	0.3					T		183.5			0.0	2950489	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MORH	0.24	83.0	Lg	09:07:07.253	-0.1					T						2950490	FDSN	HU	--	BUD	BUD	HHN	???	-
A266A	0.34	356.0	Lg	09:07:11.988	1.3					T						2950491	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZI	2.05	31.6	I	09:19:48.628	-1.5	209.7	-3.1	300.70	-111.8	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024vtfh Czech and Slovak Republics

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2024/11/05 08:30:08.93 1.05 1.83 48.4247 19.5275 5.4 2.3 151 0.0f 7 5 289 0.56 0.69 sx BUD 2966860 ILOC 290
 (#PRIME)

Magnitude Err Nsta Author OrigID
 MLv 1.4 0.0 1 BUD 2966860
 M 1.4 1 BUD 2966860

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.56	154.0	Lg	08:30:29.856	-0.0					T						2966865	FDSN	GE	--	BUD	BUD	HHN	???	-
PSZI	0.56	154.1	I	08:33:16.444	2.9	333.2	-1.1	342.10	10.3	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
KECS	0.64	84.4	Lg	08:30:31.256	-0.2					T						2966863	FDSN	SK	--	BUD	BUD	EHN	???	-

JOS	0.68	83.6	Pg	08:30:23.277	0.8	T	26.7	0.0	2966862	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	---
JOS	0.68	83.6	Lg	08:30:33.055	0.4	T			2966861	FDSN	Z6	--	BUD	BUD	HHN	???	---
CP17A	0.69	107.0	Sn	08:30:35.333	-2.0	T			2966864	FDSN	Z6	00	BUD	BUD	HHN	???	---

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024vtkc Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/11/05	10:56:21.74	1.09	1.22	48.5017	19.3038	8.0	2.8	147	0.0f		13	8	304	0.70	1.31	sx	BUD	2967667	ILOC			305

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.9	0.3	5 BUD	2967667
M	1.9		5 BUD	2967667

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.70	145.7	Pg	10:56:36.335	-0.4					T		53.0			0.0	2967679	FDSN	GE	--	BUD	BUD	HHZ	HHZ	---
PSZ	0.70	145.7	Lg	10:56:48.387	0.8					T						2967678	FDSN	GE	--	BUD	BUD	HHN	???	---
PSZI	0.70	145.8	I	11:01:28.464	73.1	325.9	-0.3	340.00	7.4	A						111111	FDSN	HU	--	ISC	ISC	???	???	---
KECS	0.79	90.9	Pn	10:56:39.513	0.5					T		353.8			0.0	2967670	FDSN	SK	--	BUD	BUD	EHZ	EHZ	---
KECS	0.79	90.9	Sn	10:56:50.906	-1.9					T						2967671	FDSN	SK	--	BUD	BUD	EHN	???	---
JOS	0.82	89.9	Pn	10:56:39.732	0.3					T		51.0			0.0	2967669	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	---
JOS	0.82	89.9	Lg	10:56:51.235	0.9					T						2967668	FDSN	Z6	--	BUD	BUD	HHN	???	---
CP16A	0.84	100.5	Sn	10:56:56.494	2.6					T						2967672	FDSN	Z6	00	BUD	BUD	HHN	???	---
CP17A	0.85	108.9	Pg	10:56:37.650	-1.4					T		93.1			0.0	2967674	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	---
CP17A	0.85	108.9	Sn	10:56:54.522	0.3					T						2967673	FDSN	Z6	00	BUD	BUD	HHN	???	---
HU02A	0.90	114.5	Pg	10:56:40.279	0.0					T		44.7			0.0	2967675	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	---
HU02A	0.90	114.5	Lg	10:56:54.412	0.3					T						2967676	FDSN	Z6	00	BUD	BUD	HHN	???	---
ABAH	1.31	98.3	Lg	10:57:06.902	-0.6					T						2967677	FDSN	HU	--	BUD	BUD	HHN	???	---

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024vwxv Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/11/07	08:18:51.09	1.16	2.10	48.2456	19.4073	5.6	1.9	133	0.0f		9	7	271	0.37	0.80	sx	BUD	2971684	ILOC			296

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.6	0.0	1 BUD	2971684
M	1.6		1 BUD	2971684

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.37	159.3	Lg	08:19:03.021	-1.7					T						2971685	FDSN	Z6	00	BUD	BUD	HHN	???	---
PSZI	0.46	135.0	I	08:21:25.104	3.5	312.9	-2.4	335.60	3.2	TA						111111	FDSN	HU	--	ISC	ISC	???	???	---
PSZ	0.46	134.9	Lg	08:19:09.742	1.1					T						2971691	FDSN	GE	--	BUD	BUD	HHN	???	---
CP17A	0.74	91.7	Lg	08:19:17.375	0.0					T						2971688	FDSN	Z6	00	BUD	BUD	HHN	???	---
KECS	0.76	71.3	Lg	08:19:17.532	-0.1					T						2971689	FDSN	SK	--	BUD	BUD	EHN	???	---
HU02A	0.76	99.0	Pg	08:19:08.748	1.9					T		41.1			0.0	2971686	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	---
HU02A	0.76	99.0	Lg	08:19:16.901	-1.8					T						2971687	FDSN	Z6	00	BUD	BUD	HHN	???	---
JOS	0.80	71.2	Lg	08:19:17.092	-1.8					T						2971690	FDSN	Z6	--	BUD	BUD	HHN	???	---

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024vyyf Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/11/08	11:44:36.27	0.65	0.47	46.9953	17.8653	7.2	3.7	68	0.0f		8	7	138	0.10	1.66	sx	BUD	2972542	ILOC			195

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.4	0.0	2 BUD	2972542
M	1.4		2 BUD	2972542

Sta	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	0.10	168.7	Pg	11:44:38.949	0.1					T		683.1			0.0	2972544	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MPLH	0.28	308.3	Pg	11:44:42.834	0.3					T		264.7			0.0	2972543	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
MPLH	0.28	308.3	Lg	11:44:47.022	-0.5					T						2972545	FDSN	HU	--	BUD	BUD	HHN	???	_
HU08A	0.44	5.2	Lg	11:44:52.541	-0.5					T						2972547	FDSN	Z6	00	BUD	BUD	HHN	???	_
CSKK	0.46	36.1	Lg	11:44:54.320	0.4					T						2972546	FDSN	HU	--	BUD	BUD	HHN	???	_
KOVH	0.92	169.8	Sn	11:45:10.066	0.1					T						2972549	FDSN	HU	--	BUD	BUD	HHN	???	_
MORH	0.95	145.2	Sn	11:45:09.969	-0.6					T						2972548	FDSN	HU	--	BUD	BUD	HHN	???	_
PSZI	1.66	55.4	I	11:55:27.794	39.6	237.7	0.8	319.50	-74.3	A						111111	FDSN	HU	--	ISC	ISC	???	???	_

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024wefu Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/11/11	09:15:48.22			47.8987	20.0893					0.0							kx	BUD_GT	1	BUD			
2024/11/11	09:15:48.22	0.50	0.81	47.9010	20.0870	3.4	0.5	97	0.0f		11	7	114	0.13	0.64	sx	BUD	2972919	ILOC			217	

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

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.2	6 BUD	2972919
M	1.7		6 BUD	2972919

Sta	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	277.7	Pg	09:15:51.345	-0.3					T		1069.3			0.0	2972920	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.13	277.7	Lg	09:15:54.084	-0.5					T						2972921	FDSN	GE	--	BUD	BUD	HHN	???	_
PSZI	0.13	277.5	I	09:16:31.469	1.1	96.8	-0.5	348.20	9.5	T						111111	FDSN	HU	--	ISC	ISC	???	???	_
HU23B	0.28	156.3	Pg	09:15:55.119	0.4					T		472.1			0.0	2972924	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU23B	0.28	156.3	Lg	09:16:01.186	1.7					T						2972925	FDSN	Z6	00	BUD	BUD	HHN	???	_
HU03A	0.33	270.7	Pg	09:15:55.692	0.3					T		141.9			0.0	2972923	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU03A	0.33	270.7	Lg	09:16:00.979	0.3					T						2972922	FDSN	Z6	00	BUD	BUD	HHN	???	_
HU02A	0.37	52.9	Pg	09:15:55.485	-0.8					T		118.7			0.0	2972926	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
CP17A	0.43	41.6	Pg	09:15:56.839	-0.3					T		253.5			0.0	2972927	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
KECS	0.64	24.4	Pg	09:16:01.234	0.1					T		107.7			0.0	2972928	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024wgbl Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/11/12	09:19:24.50	0.49	1.08	48.4239	17.1796	4.2	3.7	123	0.0f		13	7	88	0.23	1.89	sx	BUD	2973235	ILOC			156

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.8	0.3	4 BUD	2973235


```

M      1.8      4 BUD      2973235

Sta   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   0.23 192.7 Pg    09:19:30.171  0.5  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973236  FDSN SK  -- BUD  BUD  HHZ ??? _
ZST   0.23 192.7 Lg    09:19:32.847 -1.0  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973237  FDSN SK  -- BUD  BUD  HHN ??? _
JAVC  0.54  36.6 Pg    09:19:36.541  0.7  ---  ---  ---  ---  T_  278.6 ---  ---  0.0 2973239  FDSN CZ  -- BUD  BUD  HHZ HHZ _
JAVC  0.54  36.6 Lg    09:19:43.866 -0.8  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973238  FDSN CZ  -- BUD  BUD  HHN ??? _
KRUC  0.82 321.2 Pn    09:19:42.210 -0.5  ---  ---  ---  ---  T_  54.3  ---  ---  0.0 2973240  FDSN CZ  -- BUD  BUD  HHZ HHZ _
KRUC  0.82 321.2 Sn    09:19:54.885 -1.7  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973241  FDSN CZ  -- BUD  BUD  HHN ??? _
RONA  0.94 219.6 Pn    09:19:44.757  0.3  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973242  FDSN OE  -- BUD  BUD  HHZ ??? _
VRAC  0.97 336.6 Pn    09:19:45.203  0.5  ---  ---  ---  ---  T_  21.0  ---  ---  0.0 2973243  FDSN CZ  -- BUD  BUD  HHZ HHZ _
VRAC  0.97 336.6 Sn    09:19:59.471 -0.7  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973244  FDSN CZ  -- BUD  BUD  HHN ??? _
CONA  1.01 241.1 Pn    09:19:45.968  0.3  ---  ---  ---  ---  T_  48.8  ---  ---  0.0 2973246  FDSN OE  -- BUD  BUD  HHZ HHZ _
CONA  1.01 241.1 Sn    09:20:00.044 -1.1  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973245  FDSN OE  -- BUD  BUD  HHN ??? _
PSZI  1.89 104.6 I      09:31:09.735 -2.1 289.5  2.9 332.60 -75.3 TA_  ---  ---  ---  ---  111111  FDSN HU  -- ISC  ISC  ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024wgcZ Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/11/12 10:06:21.45  1.89  1.85  47.2302  18.2835  7.5  5.2 143  0.0f  6  4 283  0.36  1.46  sx BUD  2973329  ILOC  324
(#PRIME)
(locality : Iszkaszentgyörgy Hungary)
(GT info : GT2 explosion)

```

```

Magnitude  Err Nsta Author  OrigID
MLv      1.1 0.0  1 BUD  2973329
M        1.1  1 BUD  2973329

```

```

Sta   Dist  EvAz Phase      Time      TRes  Azim AzRes  Slow  SRes Def  SNR      Amp  Per Qual Magnitude  ArrID  Agy  Deploy  Ln Auth  Rep  PCh Ach L
CSKK  0.36  4.5 Pn    10:06:33.805 -0.1  ---  ---  ---  ---  T_  232.9 ---  ---  0.0 2973330  FDSN HU  -- BUD  BUD  HHZ HHZ _
CSKK  0.36  4.5 Lg    10:06:35.270 -0.3  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973331  FDSN HU  -- BUD  BUD  HHN ??? _
HU08A 0.47 334.6 Lg    10:06:41.958  2.7  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973332  FDSN Z6  00 BUD  BUD  HHN ??? _
HU09A 0.64  9.9 Lg    10:06:43.837 -1.6  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973333  FDSN Z6  00 BUD  BUD  HHN ??? _
PSZI  1.46 50.7 I      10:15:08.689  0.4 237.8  5.9 309.30 -67.8 TA_  ---  ---  ---  ---  111111  FDSN HU  -- ISC  ISC  ??? ??? _

```

```

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

```

Event bud2024wgdd Hungary

```

Date      Time      Err  RMS Latitude Longitude  Smaj  Smin  Az Depth  Err Ndef Nsta Gap  mdist  Mdist Qual  Author  OrigID  Rep  DPdep  Err Sgp
2024/11/12 10:11:19.71  2.12  0.70  48.0591  21.3412  5.9  5.0  94  0.0f  9  6 278  0.25  0.98  sx BUD  2973353  ILOC  312
(#PRIME)

```

```

Magnitude  Err Nsta Author  OrigID
MLv      1.6 0.2  5 BUD  2973353
M        1.6  5 BUD  2973353

```

```

Sta   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  0.25 344.0 Pg    10:11:24.968 -0.1  ---  ---  ---  ---  T_  212.5 ---  ---  0.0 2973354  FDSN HU  -- BUD  BUD  HHZ HHZ _
ABAH  0.25 344.0 Lg    10:11:30.318  0.5  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973355  FDSN HU  -- BUD  BUD  HHN ??? _
HU02A 0.55 276.9 Pg    10:11:30.796 -0.6  ---  ---  ---  ---  T_  37.0  ---  ---  0.0 2973360  FDSN Z6  00 BUD  BUD  HHZ HHZ _
CP17A 0.58 286.4 Pg    10:11:32.356  0.7  ---  ---  ---  ---  T_  112.2 ---  ---  0.0 2973358  FDSN Z6  00 BUD  BUD  HHZ HHZ _
JOS   0.69 309.5 Pg    10:11:33.917  0.4  ---  ---  ---  ---  T_  39.3  ---  ---  0.0 2973356  FDSN Z6  -- BUD  BUD  HHZ HHZ _
JOS   0.69 309.5 Lg    10:11:42.866 -1.2  ---  ---  ---  ---  T_  ---  ---  ---  ---  2973357  FDSN Z6  -- BUD  BUD  HHN ??? _

```

KECS 0.71 306.9 Pg 10:11:34.140 0.1 T 61.4 0.0 2973359 FDSN SK -- BUD BUD EHZ EHZ _
 PSZI 0.98 262.3 I 10:16:55.606 0.4 78.3 -2.9 342.90 1.7 TA 111111 FDSN HU -- ISC ISC ??? ??? _

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024wgel Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/11/12	10:51:07.15	2.82	0.97	47.3671	18.3759	17.4	5.9	61	0.0f		7	6	109	0.08	1.17	sx	BUD	2973383	ILOC			190

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.8	0.0	1 BUD	2973383
M	1.8		1 BUD	2973383

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.08	267.1	Pg	10:51:10.480	1.1					T		2017.2			0.0	2973384	FDSN	HU	--	BUD	BUD	HHZ	HHZ	_
CSKK	0.08	267.1	Lg	10:51:10.910	-0.7					T						2973385	FDSN	HU	--	BUD	BUD	HHN	???	_
HU09A	0.27	0.9	Lg	10:51:17.757	-0.4					T						2973386	FDSN	Z6	00	BUD	BUD	HHN	???	_
MPLH	0.60	251.2	Lg	10:51:27.487	-1.3					T						2973387	FDSN	HU	--	BUD	BUD	HHN	???	_
PSZI	1.16	61.2	I	10:59:12.632	78.4	240.1	-2.2	304.60	-48.3	A						111111	FDSN	HU	--	ISC	ISC	???	???	_
PSZ	1.17	61.2	Sn	10:51:47.614	-0.3					T						2973389	FDSN	GE	--	BUD	BUD	HHN	???	_
MORH	1.17	170.8	Sn	10:51:46.786	-0.3					T						2973388	FDSN	HU	--	BUD	BUD	HHN	???	_

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024wgfz Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/11/12	11:37:15.55	1.93	1.04	48.2969	19.8734	5.5	2.0	177	0.0f		10	5	247	0.38	0.49	sx	BUD	2973478	ILOC			247

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.3	0.1	4 BUD	2973478
M	1.3		4 BUD	2973478

Sta	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	177.9	Pg	11:37:24.228	0.3					T		92.9			0.0	2973486	FDSN	GE	--	BUD	BUD	HHZ	HHZ	_
PSZ	0.38	177.9	Lg	11:37:30.184	-0.1					T						2973485	FDSN	GE	--	BUD	BUD	HHN	???	_
PSZI	0.38	178.0	I	11:39:19.595	1.1	357.6	-0.4	351.20	17.8	TA						111111	FDSN	HU	--	ISC	ISC	???	???	_
KECS	0.45	65.2	Pg	11:37:25.399	0.7					T		98.3			0.0	2973482	FDSN	SK	--	BUD	BUD	EHZ	EHZ	_
KECS	0.45	65.2	Lg	11:37:32.247	0.6					T						2973481	FDSN	SK	--	BUD	BUD	EHN	???	_
HU02A	0.47	111.6	Pg	11:37:25.138	-0.4					T		36.8			0.0	2973483	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	_
HU02A	0.47	111.6	Lg	11:37:30.998	-2.2					T						2973484	FDSN	Z6	00	BUD	BUD	HHN	???	_
JOS	0.49	65.6	Pg	11:37:25.852	0.5					T		44.3			0.0	2973479	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	_
JOS	0.49	65.6	Lg	11:37:33.050	0.2					T						2973480	FDSN	Z6	--	BUD	BUD	HHN	???	_

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024whzp Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp	
2024/11/13	10:39:47.95			46.8548	17.2699				0.0								kx	BUD_GT	1	BUD			
2024/11/13	10:39:47.95	1.45	0.84	46.9143	17.4187	15.5	5.8	60	0.0f		7	6	96	0.19	1.96	sx	BUD	2973729	ILOC			183	

(#PRIME)

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

Magnitude Err Nsta Author OrigID
MLv 2.4 1.0 2 BUD 2973729
M 2.4 2 BUD 2973729

Sta	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	281.6	Pg	10:39:52.893	0.5					T		27256.7			0.0	2973730	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
A261A	0.19	281.6	Lg	10:39:54.453	-1.3					T						2973731	FDSN	Z6	00	BUD	BUD	HHN	???	-
MPLH	0.27	17.8	Pn	10:39:59.207	0.0					T		218.1			0.0	2973732	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
A263A	0.28	194.7	Lg	10:39:58.563	-0.2					T						2973735	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU08A	0.62	33.5	Sn	10:40:13.840	-0.8					T						2973733	FDSN	Z6	00	BUD	BUD	HHN	???	-
KOVH	0.95	150.1	Lg	10:40:20.196	-0.0					T						2973734	FDSN	HU	--	BUD	BUD	HHN	???	-
PSZI	1.96	58.2	I	10:51:19.239	-45.4	239.7	-0.4	319.60	-91.0	A						111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024wjsj Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/11/14	09:17:45.67			47.8920	19.4049				0.0								kx BUD_GT	1	BUD			
2024/11/14	09:17:45.67	0.49	1.31	47.9461	19.4081	3.1	1.3	96	0.0f		20	14	103	0.14	1.50		sx BUD	2973996	ILOC			162

(#PRIME)
(locality : Bercel Hungary)
(GT info : GT2 explosion)

Magnitude Err Nsta Author OrigID
MLv 2.1 0.1 6 BUD 2973996
M 2.1 6 BUD 2973996

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.14	108.1	Pg	09:17:49.187	0.3					T		2065.4			0.0	2973999	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU03A	0.14	108.1	Lg	09:17:51.066	-0.5					T						2974000	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZI	0.33	94.8	I	09:19:36.000	4.4	271.0	-4.1	332.30	-2.0	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
PSZ	0.33	94.7	Pg	09:17:52.977	-0.1					T		302.5			0.0	2973997	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZ	0.33	94.7	Lg	09:17:57.882	-0.9					T						2973998	FDSN	GE	--	BUD	BUD	HHN	???	-
BUD	0.53	209.4	Lg	09:18:05.222	-0.4					T						2974010	FDSN	HU	--	BUD	BUD	HHN	???	-
HU23B	0.65	117.8	Lg	09:18:10.429	1.0					T						2974001	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU02A	0.77	76.4	Lg	09:18:12.595	-1.2					T						2974002	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP17A	0.79	69.3	Pn	09:18:03.566	0.8					T		186.4			0.0	2974004	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
CP17A	0.79	69.3	Lg	09:18:13.566	-0.2					T						2974003	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP16A	0.86	62.0	Pn	09:18:04.458	0.7					T		213.4			0.0	2974006	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
CP16A	0.86	62.0	Lg	09:18:15.350	-0.5					T						2974005	FDSN	Z6	00	BUD	BUD	HHN	???	-
KECS	0.90	52.9	Pn	09:18:04.203	-0.2					T		156.1			0.0	2974007	FDSN	SK	--	BUD	BUD	EHZ	EHZ	-
JOS	0.94	53.6	Pn	09:18:05.350	0.4					T		142.7			0.0	2974008	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	-
JOS	0.94	53.6	Lg	09:18:16.369	-2.0					T						2974009	FDSN	Z6	--	BUD	BUD	HHN	???	-
ABAH	1.28	73.4	Sn	09:18:28.205	-0.2					T						2974011	FDSN	HU	--	BUD	BUD	HHN	???	-
JAVC	1.47	308.9	Sn	09:18:34.653	-0.2					T						2974012	FDSN	CZ	--	BUD	BUD	HHN	???	-
MPLH	1.48	239.2	Sn	09:18:33.155	-0.6					T						2974013	FDSN	HU	--	BUD	BUD	HHN	???	-
EGYH	1.50	250.1	Sn	09:18:34.445	0.3					T						2974014	FDSN	HU	--	BUD	BUD	HHN	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xdxw Hungary

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

2024/11/25 10:47:52.50 0.56 3.51 47.2850 18.3446 3.9 3.0 70 0.0f 14 11 106 0.10 1.23 sx BUD 2983271 ILOC 110
 (#PRIME)

Magnitude Err Nsta Author OrigID
 MLv 1.8 0.4 2 BUD 2983271
 M 1.8 2 BUD 2983271

Sta	Dist	EvAz	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	323.8	Pg	10:47:56.334	1.2					T		3500.2			0.0	2983272	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.10	323.8	Lg	10:47:57.388	-0.3					T						2983273	FDSN	HU	--	BUD	BUD	HHN	???	-
HU08A	0.32	297.3	Pn	10:48:02.647	-1.8					T		197.2			0.0	2983275	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU08A	0.32	297.3	Lg	10:48:07.522	2.3					T						2983274	FDSN	Z6	00	BUD	BUD	HHN	???	-
A267A	0.35	164.5	Lg	10:48:06.372	0.3					T						2983277	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU09A	0.35	4.1	Lg	10:48:05.167	-1.3					T						2983276	FDSN	Z6	00	BUD	BUD	HHN	???	-
MPLH	0.56	258.5	Lg	10:48:14.205	1.4					T						2983278	FDSN	HU	--	BUD	BUD	HHN	???	-
EGYH	0.70	281.2	Sn	10:48:20.833	-0.3					T						2983279	FDSN	HU	--	BUD	BUD	HHN	???	-
A266A	0.76	184.2	Sn	10:48:22.841	0.3					T						2983283	FDSN	Z6	00	BUD	BUD	HHN	???	-
MORH	1.09	169.0	Sn	10:48:31.570	1.1					T						2983280	FDSN	HU	--	BUD	BUD	HHN	???	-
KOVH	1.21	188.1	Lg	10:48:36.938	-1.2					T						2983282	FDSN	HU	--	BUD	BUD	HHN	???	-
PSZI	1.22	58.3	I	10:55:14.634	10.9	240.6	1.2	313.20	-44.3	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
PSZ	1.23	58.3	Sn	10:48:33.925	-0.8					T						2983281	FDSN	GE	--	BUD	BUD	HHN	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xfps Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2024/11/26 08:57:02.17 0.99 1.08 47.6480 18.6561 5.7 3.6 72 0.0f 8 6 164 0.19 0.93 sx BUD 2983575 ILOC 175
 (#PRIME)

Magnitude Err Nsta Author OrigID
 MLv 1.7 0.4 2 BUD 2983575
 M 1.7 2 BUD 2983575

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU09A	0.19	267.2	Pg	08:57:11.320	4.9					T		1731.1			0.0	2983576	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU09A	0.19	267.2	Lg	08:57:11.978	1.9					T						2983577	FDSN	Z6	00	BUD	BUD	HHN	???	-
CSKK	0.39	223.4	Pn	08:57:15.251	0.2					T		138.3			0.0	2983578	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.39	223.4	Lg	08:57:17.839	0.5					T						2983579	FDSN	HU	--	BUD	BUD	HHN	???	-
HU08A	0.54	246.7	Lg	08:57:21.095	-1.1					T						2983581	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZI	0.88	71.6	I	09:03:33.533	95.6	256.9	4.4	288.80	-47.9	A						111111	FDSN	HU	--	ISC	ISC	???	???	-
PSZ	0.88	71.6	Sn	08:57:35.970	-0.0					T						2983580	FDSN	GE	--	BUD	BUD	HHN	???	-
MPLH	0.90	238.2	Sn	08:57:34.893	-0.9					T						2983582	FDSN	HU	--	BUD	BUD	HHN	???	-
EGYH	0.93	256.1	Sn	08:57:36.427	-0.1					T						2983583	FDSN	HU	--	BUD	BUD	HHN	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xftu Hungary

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author OrigID Rep DPdep Err Sgp
 2024/11/26 11:00:32.34 1.61 0.42 47.6376 18.9263 9.4 2.4 71 0.0f 8 6 156 0.37 1.44 sx BUD 2983647 ILOC 277
 (#PRIME)

Magnitude Err Nsta Author OrigID
 MLv 2.0 0.4 2 BUD 2983647
 M 2.0 2 BUD 2983647

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU09A	0.37	270.4	Pn	11:00:44.872	-0.1					T		2331.0			0.0	2983648	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU09A	0.37	270.4	Lg	11:00:46.816	0.2					T						2983651	FDSN	Z6	00	BUD	BUD	HHN	???	-
CSKK	0.53	238.9	Pn	11:00:47.172	0.0					T		221.2			0.0	2983650	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.53	238.9	Lg	11:00:51.390	-0.8					T						2983649	FDSN	HU	--	BUD	BUD	HHN	???	-
HU08A	0.71	253.5	Lg	11:00:58.410	0.3					T						2983652	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZI	0.71	66.4	I	11:07:20.908	173.1	248.5	1.4	297.40	-35.3	A						111111	FDSN	HU	--	ISC	ISC	???	???	-
MPLH	1.05	244.1	Sn	11:01:09.941	0.1					T						2983653	FDSN	HU	--	BUD	BUD	HHN	???	-
MORH	1.44	187.9	Lg	11:01:24.382	0.2					T						2983654	FDSN	HU	--	BUD	BUD	HHN	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xqto Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/02	11:22:29.23	2.51	1.45	47.3821	17.5566	8.5	4.9	154	0.0f		8	5	247	0.21	1.67	sx	BUD	3007320	ILOC			275

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.6	0.1	2 BUD	3007320
M	1.6		2 BUD	3007320

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
MPLH	0.21	183.2	Pg	11:22:34.665	0.6					T		494.1			0.0	3007321	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MPLH	0.21	183.2	Lg	11:22:37.515	-0.5					T						3007324	FDSN	HU	--	BUD	BUD	HHN	???	-
HU08A	0.25	78.7	Pg	11:22:35.843	1.0					T		347.7			0.0	3007322	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU08A	0.25	78.7	Lg	11:22:38.216	-1.4					T						3007325	FDSN	Z6	00	BUD	BUD	HHN	???	-
CSKK	0.48	92.0	Lg	11:22:45.031	-2.5					T						3007323	FDSN	HU	--	BUD	BUD	HHN	???	-
TIH	0.53	154.4	Lg	11:22:47.791	-0.6					T						3007326	FDSN	HU	--	BUD	BUD	HHN	???	-
PSZI	1.67	70.4	I	11:32:46.540	0.7	256.6	4.5	309.80	-84.8	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xrbd Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/02	15:12:19.69	1.83	0.91	47.1430	19.3131	5.4	4.6	26	0.0f		8	6	167	0.79	1.28	sx	BUD	3007402	ILOC			322

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	2.0	0.2	5 BUD	3007402
M	2.0		5 BUD	3007402

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU03A	0.79	14.2	Pg	15:12:37.070	0.8					T		95.1			0.0	3007403	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU23B	0.81	51.8	Pn	15:12:37.433	0.4					T		224.9			0.0	3007407	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
PSZI	0.87	26.7	I	15:17:11.348	-1.3	209.4	2.3	334.30	-2.1	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
PSZ	0.87	26.7	Pn	15:12:37.611	-0.6					T		82.5			0.0	3007404	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
MORH	1.04	206.7	Pn	15:12:39.426	-0.7					T		37.8			0.0	3007405	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MORH	1.04	206.7	Lg	15:12:54.904	-0.6					T						3007406	FDSN	HU	--	BUD	BUD	HHN	???	-
HU02A	1.28	39.5	Pn	15:12:44.375	0.6					T		62.3			0.0	3007408	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xsfp Austria

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/03	06:36:11.15	3.41	0.23	47.8759	15.9436	38.9	12.5	91	0.0f		6	4	116	0.08	2.66	sx	BUD	3007431	ILOC			225

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.1	1.1	2 BUD	3007431
M	1.1		2 BUD	3007431

Sta	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	0.08	313.6	Pg	06:36:13.105	0.2					T		69.6			0.0	3007432	FDSN	OE	--	BUD	BUD	HHZ	HHZ	-
CONA	0.08	313.6	Lg	06:36:14.100	-0.2					T						3007435	FDSN	OE	--	BUD	BUD	HHN	???	-
ARSA	0.69	204.6	Lg	06:36:32.859	-0.3					T						3007436	FDSN	OE	--	BUD	BUD	HHN	???	-
KRUC	1.22	14.0	Pg	06:36:34.570	-0.1					T		50.0			0.0	3007433	FDSN	CZ	--	BUD	BUD	HHZ	HHZ	-
KRUC	1.22	14.0	Sn	06:36:52.277	0.1					T						3007434	FDSN	CZ	--	BUD	BUD	HHN	???	-
PSZI	2.66	87.6	I	06:54:40.738	104.7	273.1	2.5	298.20	-94.8	A						111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xsjr Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/03	08:39:58.15	2.18	1.10	47.3208	18.3438	16.0	4.6	67	0.0f		8	6	112	0.07	1.24	sx	BUD	3007882	ILOC			164

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.7	0.2	2 BUD	3007882
M	1.7		2 BUD	3007882

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
CSKK	0.07	306.8	Pg	08:40:00.549	0.3					T		1296.1			0.0	3007883	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.07	306.8	Lg	08:40:01.441	-0.9					T						3007884	FDSN	HU	--	BUD	BUD	HHN	???	-
MPLH	0.57	254.9	Lg	08:40:17.945	-0.7					T						3007885	FDSN	HU	--	BUD	BUD	HHN	???	-
MORH	1.13	169.3	Lg	08:40:36.401	-0.4					T						3007888	FDSN	HU	--	BUD	BUD	HHN	???	-
PSZI	1.21	59.8	I	08:48:18.830	76.7	240.2	-0.7	300.60	-55.5	A						111111	FDSN	HU	--	ISC	ISC	???	???	-
PSZ	1.21	59.7	Pn	08:40:21.560	0.2					T		50.6			0.0	3007887	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZ	1.21	59.7	Sn	08:40:38.821	-1.1					T						3007886	FDSN	GE	--	BUD	BUD	HHN	???	-
KOVH	1.24	187.8	Sn	08:40:41.751	1.8					T						3007889	FDSN	HU	--	BUD	BUD	HHN	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xufb Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/04	08:35:37.36	2.37	1.20	47.3476	17.6888	16.2	7.9	68	0.0f		9	8	126	0.18	1.60	sx	BUD	3009693	ILOC			132

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.5	0.0	1 BUD	3009693
M	1.5		1 BUD	3009693

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU08A	0.18	62.2	Lg	08:35:45.648	0.4					T						3009696	FDSN	Z6	00	BUD	BUD	HHN	???	-
MPLH	0.20	209.9	Pg	08:35:42.580	0.5					T		529.9			0.0	3009694	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MPLH	0.20	209.9	Lg	08:35:43.676	-2.2					T						3009695	FDSN	HU	--	BUD	BUD	HHN	???	-
CSKK	0.39	87.5	Lg	08:35:51.399	-1.1					T						3009697	FDSN	HU	--	BUD	BUD	HHN	???	-
RONA	1.01	291.0	Sn	08:36:14.132	0.7					T						3009698	FDSN	OE	--	BUD	BUD	HHN	???	-

Event bud2024xwcb Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/05	09:20:51.62	2.77	0.61	47.4110	18.3834	16.1	5.7	64	0.0f		9	8	108	0.10	1.21	sx	BUD	3015656	ILOC			149
(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.9	0.0	1 BUD	3015656
M	1.9		1 BUD	3015656

Sta	Dist	EvAz	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	240.2	Pg	09:20:54.937	0.7					T		2376.0			0.0	3015657	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.10	240.2	Lg	09:20:56.224	-0.5					T						3015659	FDSN	HU	--	BUD	BUD	HHN	???	-
HU09A	0.23	359.8	Lg	09:21:01.272	0.2					T						3015660	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU08A	0.31	273.9	Lg	09:21:03.222	-0.7					T						3015658	FDSN	Z6	00	BUD	BUD	HHN	???	-
MPLH	0.62	247.6	Lg	09:21:13.295	-0.6					T						3015661	FDSN	HU	--	BUD	BUD	HHN	???	-
A266A	0.89	185.3	Lg	09:21:22.582	0.2					T						3015662	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZI	1.14	63.0	I	09:28:46.780	78.2	239.9	-4.2	299.20	-51.8	A						111111	FDSN	HU	--	ISC	ISC	???	???	-
PSZ	1.14	63.0	Sn	09:21:31.123	-0.6					T						3015663	FDSN	GE	--	BUD	BUD	HHN	???	-
MORH	1.21	171.4	Sn	09:21:32.568	-0.0					T						3015664	FDSN	HU	--	BUD	BUD	HHN	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xwdi Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/05	10:00:21.52	2.93	0.90	47.2808	18.3067	28.6	6.5	59	0.0f		6	4	199	0.09	1.25	sx	BUD	3015679	ILOC			279
(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.0	0.0	2 BUD	3015679
M	1.0		2 BUD	3015679

Sta	Dist	EvAz	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	339.1	Pg	10:00:24.088	0.1					T		248.9			0.0	3015680	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.09	339.1	Lg	10:00:25.786	-0.6					T						3015681	FDSN	HU	--	BUD	BUD	HHN	???	-
HU08A	0.30	300.2	Pg	10:00:28.580	0.5					T		72.8			0.0	3015683	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU08A	0.30	300.2	Lg	10:00:32.181	-1.3					T						3015682	FDSN	Z6	00	BUD	BUD	HHN	???	-
MPLH	0.53	258.3	Lg	10:00:41.055	0.1					T						3015684	FDSN	HU	--	BUD	BUD	HHN	???	-
PSZI	1.25	58.7	I	10:08:58.584	75.9	235.4	-4.5	286.70	-72.7	A						111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024xwdx Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/05	10:17:31.80	3.63	0.49	47.3362	18.3664	23.3	4.6	66	0.0f		6	5	117	0.08	1.19	sx	BUD	3015730	ILOC			227
(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.5	0.0	1 BUD	3015730
M	1.5		1 BUD	3015730

Sta	Dist	EvAz	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	290.5	Pg	10:17:34.484	0.5					T		1083.5			0.0	3015731	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
CSKK	0.08	290.5	Lg	10:17:35.922	-0.3					T						3015732	FDSN	HU	--	BUD	BUD	HHN	???	-

Event bud2024ydpn Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/09	12:06:59.43	1.95	1.30	47.8674	20.1709	5.4	1.0	105	0.0f		10	7	232	0.19	0.68	sx	BUD	3027939	ILOC			242

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.3	0.3	2 BUD	3027939
M	1.3		2 BUD	3027939

Sta	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	285.4	Pg	12:07:05.479	1.4					T		532.0			0.0	3027940	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZ	0.19	285.4	Lg	12:07:07.899	-0.0					T						3027941	FDSN	GE	--	BUD	BUD	HHN	???	-
PSZI	0.19	285.3	I	12:08:00.596	-1.1	104.0	-1.1	348.70	11.6	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
HU02A	0.35	42.9	Pg	12:07:08.719	1.7					T		75.9			0.0	3027943	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU02A	0.35	42.9	Lg	12:07:12.732	-0.3					T						3027942	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU03A	0.39	275.6	Lg	12:07:14.197	0.3					T						3027944	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP17A	0.42	32.8	Lg	12:07:14.324	-0.6					T						3027945	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP16A	0.54	27.3	Lg	12:07:16.681	-2.0					T						3027946	FDSN	Z6	00	BUD	BUD	HHN	???	-
JOS	0.68	21.3	Lg	12:07:22.095	-1.2					T						3027947	FDSN	Z6	--	BUD	BUD	HHN	???	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024yitl Czech and Slovak Republics

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/12	07:45:51.38	0.67	1.11	48.0094	20.3625	4.0	1.4	75	0.0f		8	6	210	0.16	0.50	sx	BUD	3028740	ILOC			228

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.8	0.0	3 BUD	3028740
M	1.8		3 BUD	3028740

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
HU02A	0.16	43.9	Lg	07:45:58.089	-0.3					T						3028744	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP17A	0.23	25.3	Pg	07:45:56.751	0.3					T		280.0			0.0	3028741	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
CP17A	0.23	25.3	Lg	07:46:00.605	0.2					T						3028742	FDSN	Z6	00	BUD	BUD	HHN	???	-
PSZ	0.33	254.0	Pg	07:45:58.503	-0.3					T		121.6			0.0	3028746	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZI	0.33	254.0	I	07:47:39.897	2.4	77.4	3.8	362.80	28.5	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
CP16A	0.35	19.5	Lg	07:46:04.299	-0.1					T						3028743	FDSN	Z6	00	BUD	BUD	HHN	???	-
JOS	0.50	13.6	Pg	07:46:01.528	0.0					T		78.9			0.0	3028745	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	-

STOP
 BEGIN IMS2.0
 DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024yiud Northwestern Balkan Peninsula

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/12	08:06:55.92	1.12	0.38	45.8841	18.3996	7.1	4.5	129	0.0f		7	4	287	0.29	2.28	sx	BUD	3028765	ILOC			308

(#PRIME)

Magnitude	Err	Nsta	Author	OrigID
MLv	1.0	0.1	2 BUD	3028765
M	1.0		2 BUD	3028765

Sta	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	0.29	314.4	Pg	08:07:02.396	-0.0					T		44.6			0.0	3028766	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-

KOVH	0.29	314.4	Lg	08:07:06.712	-0.5	T										3028767	FDSN	HU	--	BUD	BUD	HHN	???	-	
MORH	0.37	27.1	Pg	08:07:03.957	0.1	T					33.3					0.0	3028768	FDSN	HU	--	BUD	BUD	HHZ	HHZ	-
MORH	0.37	27.1	Lg	08:07:09.785	-0.3	T											3028769	FDSN	HU	--	BUD	BUD	HHN	???	-
MPLH	1.42	335.5	Sn	08:07:42.146	0.4	T											3028770	FDSN	HU	--	BUD	BUD	HHN	???	-
PSZI	2.28	26.2	I	08:21:18.743	0.1	TA	201.8	-5.5	318.70	-91.4							111111	FDSN	HU	--	ISC	ISC	???	???	-

STOP
BEGIN IMS2.0
DATA_TYPE BULLETIN IMS1.0:short with ISF2.0 extensions

Event bud2024yiuj Hungary

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	OrigID	Rep	DPdep	Err	Sgp
2024/12/12	08:13:58.15	1.66	1.04	47.8923	20.0942	5.1	0.7	101	0.0f		13	8	115	0.14	0.67		sx BUD	3028795	ILOC			220
(#PRIME)																						

Magnitude	Err	Nsta	Author	OrigID
MLv	1.4	0.2	4 BUD	3028795
M	1.4		4 BUD	3028795

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	ArrID	Agy	Deploy	Ln	Auth	Rep	PCh	ACh	L
PSZ	0.14	281.1	Pg	08:14:01.886	0.2					T		544.4			0.0	3028796	FDSN	GE	--	BUD	BUD	HHZ	HHZ	-
PSZ	0.14	281.1	Lg	08:14:03.590	-1.1					T						3028797	FDSN	GE	--	BUD	BUD	HHN	???	-
PSZI	0.14	280.8	I	08:14:42.821	0.5	97.2	-3.5	350.70	12.2	TA						111111	FDSN	HU	--	ISC	ISC	???	???	-
HU23B	0.27	156.5	Lg	08:14:11.640	2.5					T						3028799	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU03A	0.33	272.2	Lg	08:14:11.417	0.6					T						3028798	FDSN	Z6	00	BUD	BUD	HHN	???	-
HU02A	0.37	51.4	Pg	08:14:06.066	-0.1					T		77.9			0.0	3028801	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
HU02A	0.37	51.4	Lg	08:14:11.703	-0.8					T						3028800	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP17A	0.43	40.4	Pg	08:14:06.767	-0.4					T		138.6			0.0	3028802	FDSN	Z6	00	BUD	BUD	HHZ	HHZ	-
CP17A	0.43	40.4	Lg	08:14:14.251	0.3					T						3028803	FDSN	Z6	00	BUD	BUD	HHN	???	-
CP16A	0.54	33.4	Lg	08:14:16.863	-0.7					T						3028805	FDSN	Z6	00	BUD	BUD	HHN	???	-
JOS	0.67	26.1	Pg	08:14:12.054	0.4					T		65.2			0.0	3028804	FDSN	Z6	--	BUD	BUD	HHZ	HHZ	-
JOS	0.67	26.1	Lg	08:14:20.923	-1.0					T						3028806	FDSN	Z6	--	BUD	BUD	HHN	???	-

STOP

