

Magyarországi földrengések évkönyve  
Hungarian Earthquake Bulletin

2024

Tóth L., Mónus P., Kiszely M.



GeoRisk

Földrengés Mérnöki Iroda ↗ Earthquake Engineering

Budapest

MAGYARORSZÁGI FÖLDRENGÉSEK ÉVKÖNYVE

HUNGARIAN EARTHQUAKE BULLETIN

2024

TÓTH LÁSZLÓ\*, MÓNUS PÉTER\*, KISZELY MÁRTA\*

*Hivatkozás*

Tóth L., Mónus P., Kiszely M.  
Magyarországi földrengések évkönyve 2024  
GeoRisk, Budapest, 2025.  
HU ISSN 1589-8326  
doi:10.7914/SN/HM

*Bibliographic reference*

Tóth, L., Mónus, P., Kiszely, M.  
Hungarian Earthquake Bulletin, 2024  
GeoRisk, Budapest, 2025.  
HU ISSN 1219-963X  
doi:10.7914/SN/HM

GEORISK

BUDAPEST 2025

© *GeoRisk*

Budaörsi út 131/A, H-1118 Budapest, Hungary

[www.georisk.hu](http://www.georisk.hu)

[info@georisk.hu](mailto:info@georisk.hu)

*Minden jog fenntartva.*

*Apart from any fair dealing for the purpose of study, research, criticism, or review, as permitted under the Copyright Act, no part may be reproduced by any process without written permission.*

*A jelen és a régebbi évkönyvek elektronikusan elérhetők az alábbi címen:*

[www.georisk.hu/Bulletin/bulletinh.html](http://www.georisk.hu/Bulletin/bulletinh.html)

*The present and previous Bulletins are available on-line at:*

[www.georisk.hu/Bulletin/bulletine.html](http://www.georisk.hu/Bulletin/bulletine.html)

**Készült az MVM Paksi Atomerőmű Zrt. és a Paks II. Atomerőmű Zrt. támogatásával.  
This work was supported by MVM Paks Nuclear Power Plant Ltd. and Paks II. Nuclear Power Plant Ltd.**

HU ISSN 1589-8326 (magyar)

HU ISSN 1219-963X (English)

doi:10.7914/SN/HM

**Felelős kiadó: Dr. Tóth László**

\* GeoRisk Földrengés Mérnöki Iroda, Budapest  
GeoRisk Earthquake Engineering, Budapest

**Hátsó borító:**

Földrengések Magyarországon

Történelmi rengések: 456-1994 (szürke)

Műszeresen meghatározott rengések: 1995-2023 (rózsaszín)

Műszeresen meghatározott rengések: 2024 (piros)

**Back cover page:**

Earthquakes in Hungary

Historical earthquakes: 456-1994 (grey)

Instrumental earthquakes: 1995-2023 (pink)

Instrumental earthquakes: 2024 (red)

HISTORIKUS FÖLDRENGÉS ADATOK FORRÁSAI / SOURCES OF HISTORICAL EARTHQUAKE DATA:

Zsíros T.: Magyar földrengés katalógus (456-1995)

Tóth et al.: Magyarországi földrengések évkönyve / Hungarian Earthquake Bulletin (1995-2023)

# TARTALOMJEGYZÉK

BEVEZETÉS .....	5
1. ÖSSZEFOGLALÁS .....	7
2. FÖLDRENGÉS MEGFIGYELŐ ÁLLOMÁSOK .....	9
Szélessávú lyukszeizmográf állomások .....	9
Rövidperiódusú felszíni állomások .....	9
HUN-RENG virtuális szeizmológiai hálózat .....	9
GeoRisk adatközpont.....	10
3. ESEMÉNYLISTA ÉS FÖLDRENGÉS FÉSZKEPARAMÉTEREK.....	17
A földrengés fészkeparaméterek meghatározása.....	17
Sebességmodell .....	17
Földrengések listája .....	19
Robbantások listája.....	34
Fészkeparaméterek és fázisadatok.....	57
4. JELENTŐS (ÉREZHEŐ) FÖLDRENGÉSEK 2024-BEN .....	357
2024. január 7. – Szlovénia .....	359
2024. február 1. – Ausztria .....	360
2024. március 7. – Horvátország.....	361
2024. április 14. – Ausztria.....	362
2024. június 8. – Kunszentmiklós .....	363
2024. július 16. – Ságvár .....	364
2024. augusztus 10. – Románia.....	365
2024. augusztus 13. – Horvátország.....	366
2024. augusztus 22. – Románia.....	367
2024. augusztus 31. – Románia.....	368
2024. szeptember 4. – Románia .....	369
2024. szeptember 6. – Nagyveleg.....	370
2024. november 25. – Kunpeszér .....	371
HIVATKOZÁSOK.....	373
A MELLÉKLET: <i>Európai Makroszeizmikus Skála (EMS)</i> és <i>Műszeres Intenzitás Skála (MIS)</i> .....	375

# CONTENTS

INTRODUCTION .....	6
1. SUMMARY .....	8
2. SEISMOGRAPH STATIONS .....	11
Broadband borehole stations .....	11
Short period surface stations .....	11
HUN-RENG virtual seismic network .....	11
GeoRisk Data Centre.....	12
3. LIST OF ORIGINS AND HYPOCENTER PARAMETERS .....	18
Method for hypocenter parameter determination.....	18
Crustal velocity model .....	18
List of earthquakes .....	19
List of explosions .....	34
Phase data.....	58
4. SIGNIFICANT (FELT) EARTHQUAKES IN 2024.....	358
7 January 2024 – Slovenia .....	359
1 February 2024 – Austria.....	360
7 March 2024 – Croatia.....	361
14 April 2024 – Austria.....	362
8 June 2024 – Kunszentmiklós.....	363
16 July 2024 – Ságvár .....	364
10 August 2024 – Romania.....	365
13 August 2024 – Croatia.....	366
22 August 2024 – Romania.....	367
31 August 2024 – Romania.....	368
4 September 2024 – Romania .....	369
6 September 2024 – Nagyveleg .....	370
25 November 2024 – Kunpeszér.....	371
REFERENCES.....	373
APPENDIX A: <i>European Macroseismic Scale (EMS)</i> <i>and Instrumental Intensity Scale (IIS)</i> .....	375

## BEVEZETÉS

A Pannon-medencében a földrengés aktivitás a lemezperemi területekhez képest mérsékelt, a rengések epicentrumainak eloszlása pedig első pillantásra rendszertelennek látszik. Nehéz eldönteni, hogy a földrengések izolált területeken, vagy szeizmikusan aktív vonalak mentén keletkeznek. Mindenesetre felismerhető néhány terület, ahol viszonylag gyakran fordult elő a múltban földrengés. Ilyenek pl. Eger és környéke, ahol 70 év alatt legalább 16 földrengés és több mint 50 nagyobb utórengés történt. Komárom és Mór környékén, Jászberény, Kecskemét és Dunaharaszti közelében szintén jelentős volt az aktivitás egy-egy bizonyos időszakban. Az alacsony szeizmicitás nem feltétlenül jelenti a földrengések méretének csekélységét: komoly épületkárokat okozó földrengésekről van szó, néhány esetben talajfolyósodást is okozó gyorsulásokkal (pl. 1763 Komárom, M 6.2; 1911 Kecskemét, M 5.6; 1956 Dunaharaszti, M 5.6), esetleg a felszínen is megjelenő töréssel (pl. 1834 Érmellék, M 6.2). Ezek a példák azt mutatják, hogy 6.0-6.5 magnitúdójú rengések lehetségesek, de nem gyakoriak a Pannon-medencében (Tóth et al., 2002a).

A földtudományi kutatás fontos eleme a szeizmicitás vizsgálata, annak megismerése, hogy milyen gyakorisággal, hol és mekkora földrengések keletkeznek, továbbá melyek azok a szeizmotektonikai folyamatok, melyek a földrengéseket létrehozzák.

Az általános ismeretszerzésen túlmenően a földrengés elleni védekezéshez is fontos segítséget nyújt a szeizmicitás pontos ismerete. Egy terület földrengés veszélyeztetettségét csak komplex szeizmológiai, geofizikai, geológiai ismeretek alapján lehet meghatározni. A legfontosabb információ, mely mennyiségileg meghatározza a földrengésveszélyességet, a terület földrengés története, illetve a jelenkori rengések ismerete. Ehhez nyújt kardinális fontosságú segítséget a földrengés monitorozás, a földrengések megfigyelése, mérése és paramétereinek meghatározása.

Magyarországon a földrengésmérő állomások száma és minősége 1995-ben érte el azt a szintet, hogy a lakosság által érzékelt valamennyi rengést a hálózat nagy valószínűséggel detektálja. Ez nagyrészt annak a szeizmikus megfigyelő hálózatnak volt köszönhető, melyet a Paksi Atomerőmű létesített az atomerőmű telephely tágabb környezetében. Ekkor vált lehetővé a lokális földrengések hipocentrumának számítása. A mérőhálózat 2016-ban ismét nagyot fejlődött, öt lyukszeizmográf állomás épült és kezdte meg működését.

Jelen kiadványunk célja és tartalma pontosan az, amit a címe is jelez: évkönyv, melyben megtalálható minden olyan adat és ismeret, melyet az év során a magyarországi földrengésekkel kapcsolatban összegyűjtöttünk. A célterület a 45.5-49.0 É szélesség és 16.0-23.0 K hosszúság által határolt földrajzi tartomány. Reméljük, hogy hasznát látják munkánknak mindazok, akik földtudományi kutatásaikban felhasználói a szeizmicitás adatoknak, de azok is, akik csupán egy-egy földrengéssel kapcsolatos kérdésükre keresnek választ kiadványunkban.

# INTRODUCTION

Seismicity in the Pannonian basin is relatively low comparing to the peripherals and the distribution of earthquake epicenters shows a rather scattered pattern at the first glance. It is particularly difficult to decide whether the epicenters occur at isolated places or along elongated zones however, at several single places earthquakes occur repeatedly. For example, near to Eger (47.9 N; 20.4 E) at least sixteen earthquakes with more than fifty greater aftershocks occurred over a time interval of some 70 years. Komárom and Mór area (47.4-47.8 N; 18.2 E), Jászberény (47.5 N; 20.0 E), Kecskemét (46.9 N; 19.7 E) and Dunaharaszti (47.4 N; 19.0 E) also produced significant activity over a certain but limited period of time. Moderate seismicity does not necessarily mean moderate size of earthquakes: reports of major earthquakes often refer to heavy building damage, liquefaction (e.g. 1763 Komárom earthquake, M 6.2; 1911 Kecskemét earthquake, M 5.6; 1956 Dunaharaszti earthquake, M 5.6) and sometimes the possibility of surface fault rupture (e.g. 1834 Érmellék earthquake, M 6.2). These observations indicate that magnitude 6.0-6.5 earthquakes are possible but not frequent in the Pannonian basin (Tóth et al., 2002b).

The study of the recent seismicity is an important element of seismotectonic research. Earthquakes represent the sudden release of slowly accumulated strain energy and hence provide direct evidence of active tectonic processes. However, low and moderate seismicity at intraplate areas generally precludes reliable statistical correlation between epicenters and geological features.

Moreover, as one of the chief contributor to seismic hazard at a given area, detailed knowledge of seismicity also plays an important role in earthquake risk reduction. To be useful, accurately located earthquakes are required. While good information about larger historical earthquakes exists for about the past few hundred years, these are not well enough located. Only modern seismic monitoring networks, capable of locating small magnitude local earthquakes provide the necessary information to close this knowledge gap. The developing database of well-located earthquakes can be used, in one hand, to resolve the tectonic framework and required on the other hand to refine our understanding of the level of seismic risk.

1995 was a milestone in the history of Hungarian seismological observations as the Paks Nuclear Power Plant Ltd. installed a network of high quality digital seismographs. For the first time, this network made it possible to detect and locate small magnitude local seismic events in most parts of the country. In 2016, the network significantly developed again, as five new borehole stations were built and began operations.

The present Earthquake Bulletin is a united annual summary report of different Hungarian earthquake monitoring projects. The information in the Bulletin is based on all available earthquake related data provided by different organizations. The geographic region covered is bounded by latitudes 45.5-49.0 N and longitudes 16.0-23.0 E.

# 1.

## ÖSSZEFOGLALÁS

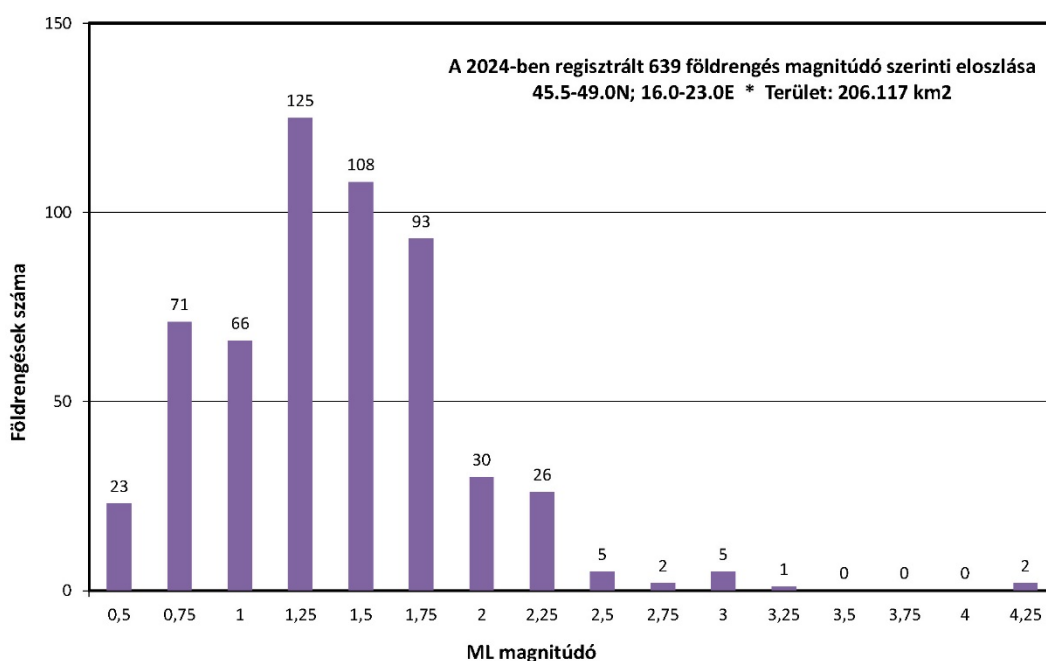
A 2024. év szeizmikus szempontból összességében átlagosan aktív időszaknak tekinthető Magyarországon. Az érezhető rengések száma is az átlagos körül alakult, 5 rengés volt érezhető Magyarországon. Ezeken kívül, a lakossági jelzések szerint, egy nem természetes eredetű esemény (robbantás) is érezhető volt. Az év folyamán 1896 szeizmikus eseményről szereztünk tudomást a 45.5-49.0 É szélességi és 16.0-23.0 K hosszúsági koordináták által határolt területen, amelyek közül 639 volt természetes eredetű földrengés, 1257 pedig robbantás.

Az észlelt földrengések mérete a  $-0.3 \leq M_L \leq 4.5$  lokális magnitúdó tartományba esett. A fészekmélység minden esetben sekély (0 – 28 km), jellemzően 6 – 12 km közötti.

A kőbányarobbanások szeizmikus magnitúdói a  $-0.1 \leq M_L \leq 2.4$  tartományban voltak, a fészekmélységük pedig minden esetben nulla.

Az évben összesen 13 olyan jelentős szeizmikus esemény volt, melynek magnitúdója  $M_L \geq 3.0$  és/vagy a lakosság érzékelt.

A legnagyobb műszeresen meghatározott magnitúdójú rengés 4.5  $M_L$ , míg a legnagyobb földrengés intenzitás, mely Magyarország területén az év folyamán előfordult 4-5 MIS fokozatú volt. Épületkárok nem keletkeztek.



A rengések mindegyike többé-kevésbé ismert forrászónához köthető. A Vértes hegységben, a Komárom – Berhida közé eső területen, a Móri-árok forrászónában most is számos földrengést regisztráltunk. Ennek egyik, nem szeizmotektonikai magyarázata az állomáshálózat fokozott érzékenysége ezen a területen. Jelentős számú földrengés volt Ausztriában, a Bécsi-medencében. Néhány kisebb rengés volt Békés vármegyében, Sarkadkeresztúr környékén, melyek esetében most is felmerült a gyanú, hogy némelyik földrengés kipattanásához köze van a környéken végzett rétegrepszteéseknek.



# 1.

## SUMMARY

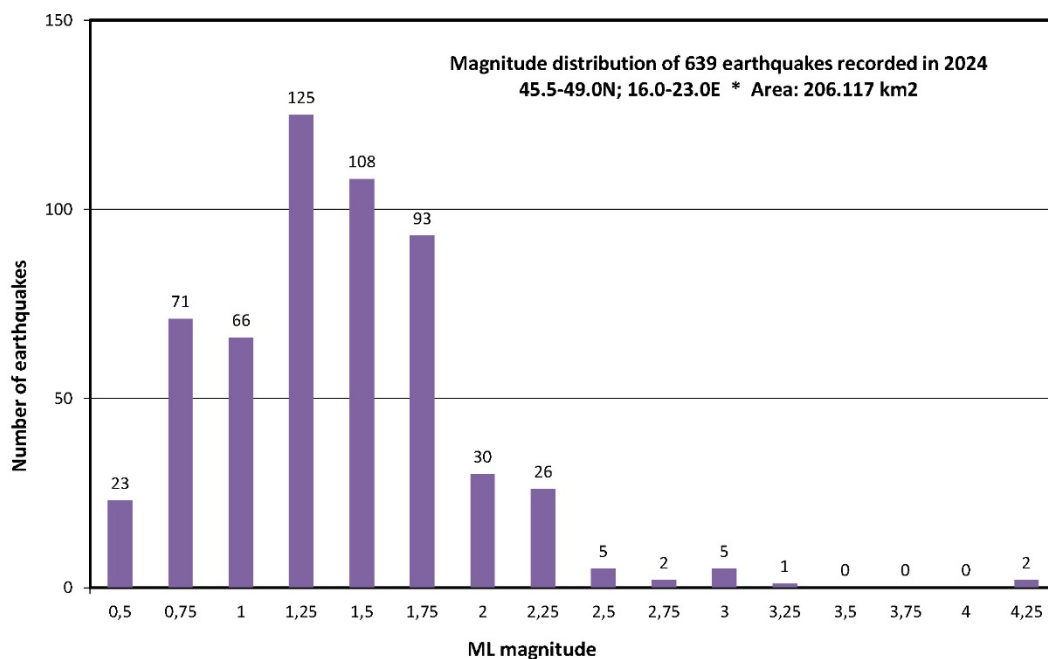
The year 2024 can be considered as an average active period from a seismic point of view in Hungary. The number of felt earthquakes was also around the average, 5 earthquakes were felt in Hungary. In addition, according to the population reports, one event of non-natural origin (explosion) was also felt. Out of the 1896 seismic events located within the area bounded by latitudes 45.5-49.0 N and longitudes 16.0-23.0 E, 639 were identified as natural earthquakes and 1257 were known as explosions, mostly quarry blasts.

The magnitude of the earthquakes was in the range of  $-0.3 \leq M_L \leq 4.5$ . Each of the earthquakes had shallow (0 – 28 km) focal depth, typically in the range of 6 – 12 km.

The seismic magnitude of the quarry blasts was in the range of  $-0.1 \leq M_L < 2.4$  with zero focal depth.

There were a total of 13 significant seismic events during the year, with a magnitude of  $M_L \geq 3.0$  and/or felt by the population.

The highest magnitude assigned to a shock was 4.5  $M_L$  while the highest intensity reported during the year was 4-5 IIS. No building damage in Hungarian territory was reported.



Each of the earthquakes can be linked to a more or less known source zone. We have recorded several earthquakes in the Vértes Mountains, in the area between Komárom and Berhida, in the source zone of the Mór graben. One non-seismotectonic explanation for this is the increased sensitivity of the station network in this area. There have been a significant number of earthquakes in the Vienna Basin in Austria. There were a few smaller earthquakes in Békés County, around Sarkadkeresztúr. In some cases, there was also a suspicion that some of the earthquakes were related to the fracking in the area.

## 2.

# FÖLDRENGÉS MEGFIGYELŐ ÁLLOMÁSOK

A 2024. évben a GeoRisk Földrengés Mérnöki Iroda 16 állandó szeizmográf állomást működtetett Magyarországon, melyek közül öt lyukszeizmográf, tizenegy felszíni állomás. (2.1. Táblázat és 2.1. ábra).

### *Szélessávú lyukszeizmográf állomások*

Az év folyamán 5 modern szélessávú lyukszeizmográf állomás működött (PKB1, PKB2, PKB3, PKB4, PKB5). A PKB2, PKB3, PKB4, PKB5 állomásokon az érzékelő 3 komponenses szélessávú Nanometrics Trillium Posthole szeizmométer, mely 150 m-es béléscsővezetett fúrólukban van telepítve. A felszínen elhelyezett digitalizáló, adatgyűjtő és kommunikációs egység Nanometrics Centaur CTR-3.

A PKB1 állomáson a 150 m-es fúrólukban elhelyezett Güralp Radian Borehole szélessávú lyukszeizmométer optikai kábellel csatlakozik a felszínen lévő Minimus adatgyűjtőhöz.

Mindegyik szélessávú állomás internet összeköttetéssel rendelkezik.

### *Rövidperiódusú felszíni állomások*

10 rövidperiódusú felszíni állomás mindegyike teljesen azonos mérőeszközzel van felszerelve. Mindenhol Güralp CMG-40T rövidperiódusú, 3 komponenses szeizmométer és Güralp CMG-DM24S3-EAM digitalizáló és adatgyűjtő működik, folyamatos regisztrálással.

A PBUD állomáson LE-3D érzékelő és Nanometrics Centaur CTR-3 adatgyűjtő található.

Mindegyik rövidperiódusú állomás internet összeköttetéssel rendelkezik.

### *HUN-Reng virtuális szeizmológiai hálózat*

A kommunikáció fejlődése, a valós idejű adatátvitel és az azonos adatátviteli protokoll (SeedLink) világszerte elterjedt használata lehetővé tette, hogy idegen állomások adatait is fogadjuk közel valós időben ugyanúgy, mint a saját állomásainkét (2.2. Táblázat). Az összes elérhető hazai és külföldi állomások mérési adatainak felhasználásával a földrengések paraméterei még pontosabban, megbízhatóbban számíthatók ki. Ezen kívül a nagyszámú állomás adatához való közel valós idejű hozzáférés lehetővé tette egy automatikus földrengésjelző rendszer elindítását is. Ez a rendszer automatikusan képes felismerni a földrengéseket, és azok paramétereit néhány percen belül kiszámítja, térképen és listán automatikusan meg is jeleníti. Az online földrengés információ elsősorban gyors tájékoztatásul szolgál ([www.foldrenges.hu](http://www.foldrenges.hu)).

Átlagos zaj- (talajnyugtalanosság) viszonyokat feltételezve az így kialakított virtuális szeizmológiai hálózat jelenlegi észlelési képessége  $M_L=1.0-2.0$  magnitúdó körül van. Az ország középső részén lényegesen alacsonyabb, a határok környékén kissé magasabb az érzékenységi küszöb. Ez azt jelenti, hogy a lakosság által érzékelt valamennyi rengést a hálózat nagy valószínűséggel detektálja.

### ***GeoRisk adatközpont ([www.foldrenges.hu](http://www.foldrenges.hu))***

Az összes mérőállomáson regisztrált adatot egy felhő alapú adatközpontban gyűjtjük és dolgozzuk fel. Az adatok közel valós időben, egy erre a célra kifejlesztett protokoll (SeedLink) felhasználásával jutnak el az adatközpontba. Az adatok átlagos késése a valós időhöz képest 10 másodperc körüli. Minden állomás digitális adataiból napi szeizmogramok készülnek kép formátumban. A képi szeizmogramok egyrészt az érdeklődők tájékoztatását, másrészt a működés ellenőrzését is szolgálják. Ezek a szeizmogramok is közel valós idejűek.

Az események hullámfázisainak körültekintő manuális kimérése alapján állítjuk össze havonta a fázisadatokat (kimérési adatokat) tartalmazó jelentést. A fázisadatok felhasználásával – a saját adatokat kiegészítve a hazai és szomszédos országok szeizmológiai intézményeinek hasonló adataival (2.2. ábra) – havonta eseménylista készül (*Havi Jelentés és Havi Földrengés Tájékoztató*), mely a helyi és regionális földrengések hipocentrum adatait tartalmazza.

A mérési adatok, szeizmogramok és a kiértékelés további eredményei nagyrészt nyilvánosan elérhetők az interneten is a [www.foldrenges.hu](http://www.foldrenges.hu) oldalon.

## 2.

### SEISMOGRAPH STATIONS

In 2024, the GeoRisk Earthquake Engineering operated 16 permanent seismograph stations in Hungary, of which five were borehole seismographs and eleven were surface stations (Table 2.1 and Figure 2.1).

#### ***Broadband borehole stations***

During the year, 5 modern broadband posthole seismograph stations were in operation (PKB1, PKB2, PKB3, PKB4, PKB5). At stations PKB2, PKB3, PKB4, PKB5, the sensor is a 3-component broadband Nanometrics Trillium Posthole seismometer, which is installed in a 150 m steel-cased borehole. The digitizer, data acquisition and communication unit located on the surface is a Nanometrics Centaur CTR 3.

At the station PKB1, the Güralp Radian Borehole broadband seismometer, located in a 150 m borehole, is connected via fiber optic cable to the Minimus data collector on the surface.

Each broadband station has an internet connection.

#### ***Short period surface stations***

Each of the ten short period stations has similar hardware. These stations are equipped with Güralp CMG-40T short period seismometers and Güralp CMG-DM24S3-EAM digital acquisition system. Continuous data are recorded at each short period station.

The PBUD station is equipped with an LE-3D sensor and a Nanometrics Centaur CTR 3 data logger.

Each short period station has a connection to the Internet.

#### ***HUN-Reng Virtual Seismic Network***

Development in communication technology and standardized communication protocols, software packages made available to access near real time data of stations beyond the domestic network. SeedLink and SeisComp developed at GEOFON became a kind of standard all over the world. The larger pool of data provided by an extended, “virtual network” of seismic stations helps to have faster and more accurate earthquake locations and parameter determinations. In addition, near real time access to data from large number of stations makes possible to operate automatic rapid earthquake alarm systems. Automatically generated earthquake lists and epicenter maps are the main product of such systems ([www.foldrenge.hu](http://www.foldrenge.hu)).

The present configuration of the *HUN-Reng* virtual seismic network is shown in Table 2.2.

The estimated detection capabilities of the present network with average noise conditions, supposing that at least four stations is needed for origin determination, is typically around 1.0-2.0  $M_L$ , somewhat lower in the middle of the country and a little higher towards the border regions. This means that in most parts of the country it is very unlikely that felt events go undetected.

### ***GeoRisk Data Centre ([www.foldrenge.hu](http://www.foldrenge.hu))***

All recorded data from each station are transmitted to and processed at a cloud based *Data Centre*. Using digitally recorded data, analogue “live seismograms” are calculated for each station. The main purposes of the “live seismograms” are feeding public interests in one hand, and rapid visualization of the operational status and quality check of the stations on the other.

A careful manual offline analysis is used for event identification and picking the phases on each recorded seismogram. Merging the phase data of the Hungarian network and the same kind of available data sets from neighboring countries, preliminary event lists are calculated on monthly schedule. Based on technical and operational statistics of the stations, list of local and regional seismic events and their hypocenter information, *Monthly Reports* are compiled.

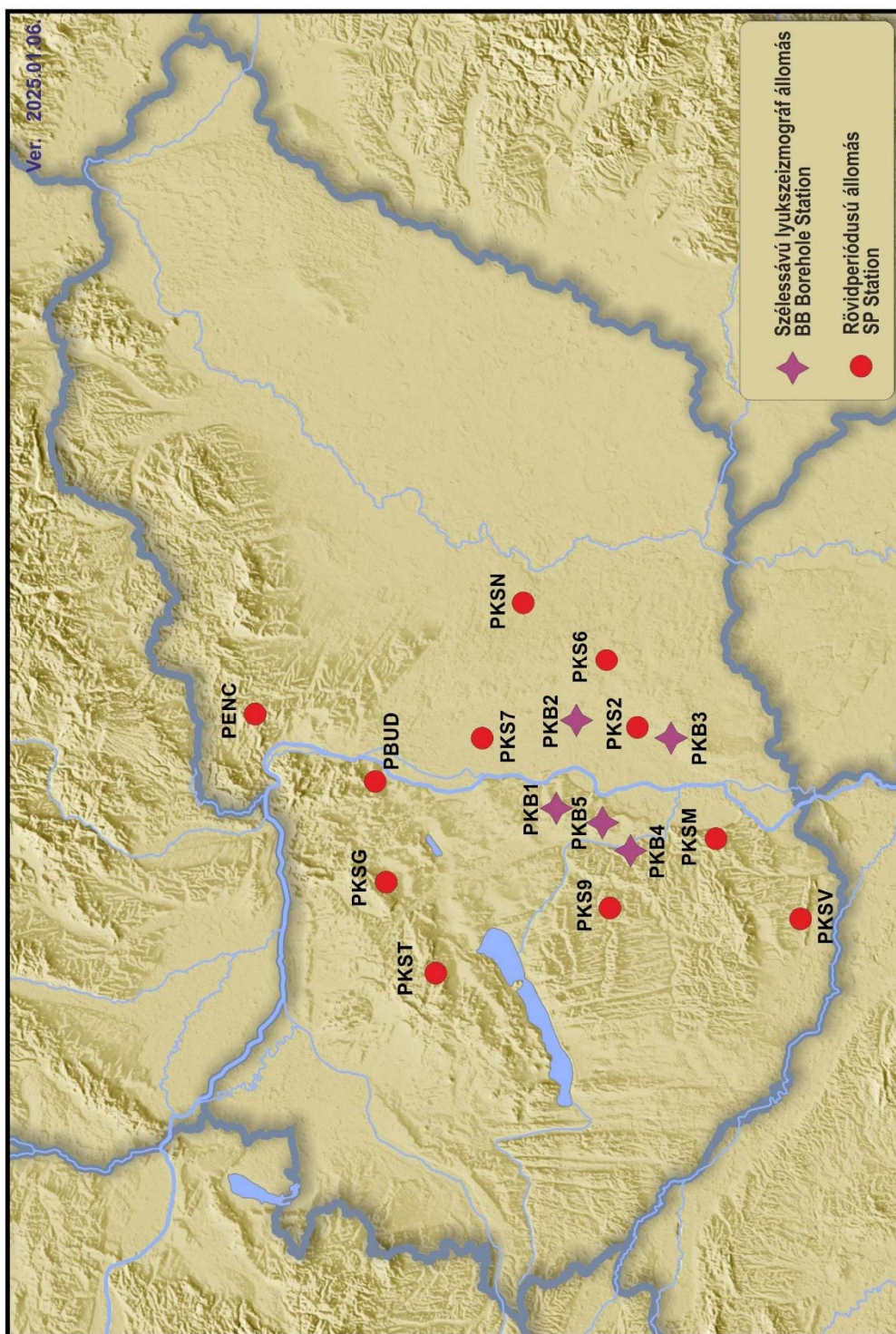
Data that are collected by the *Data Centre* are published in a variety of formats on the internet at [www.foldrenge.hu](http://www.foldrenge.hu).

## 2.1. Táblázat Szeizmológiai állomások, műszerek és alapkőzet

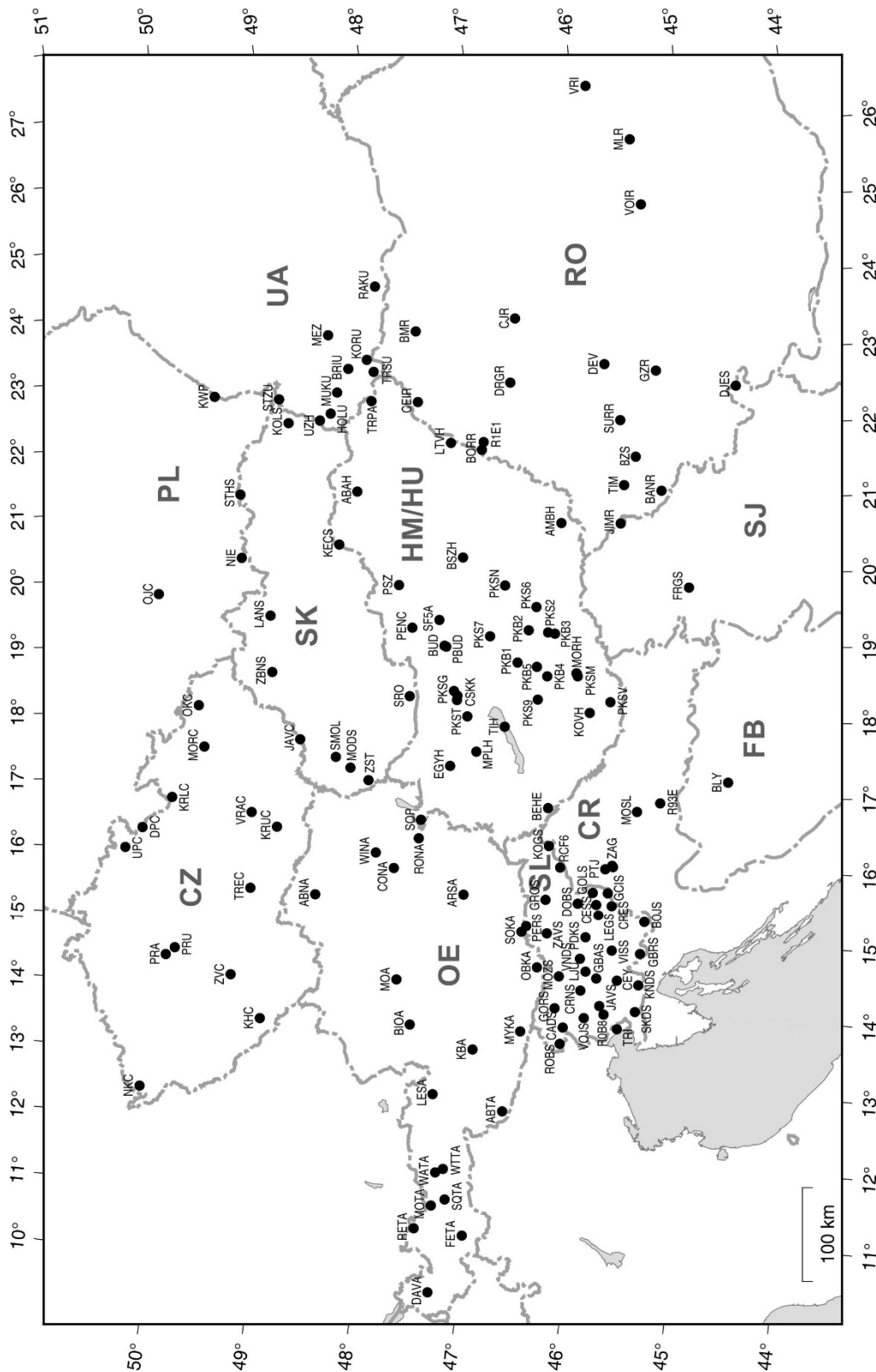
Table 2.1. Seismic stations, instrumentation and lithology

Kód Helység Code Location	Szélesség Latitude (N)	Hosszúság Longitude (E)	Magasság Elevation (m)	Alapkőzet Foundation	Állomás típusa Station type (1)	Érzékelő típusa Sensor type (2)	Adatgyűjtő típusa Recording equipment (3)
PBUD Budapest	47.4656	19.0124	130	üledék alluvium	3C SP	LE-3D	CTR-3
PENC Penc	47.7905	19.2817	250	üledék alluvium	3C SP	CMG-40T	CMG-DM24S3- EAM
PKS2 Kecel	46.4920	19.2131	106	homok sand	3C SP	CMG-40T	CMG-DM24S3- EAM
PKB1 Előszállás	46.7843	18.7922	178	üledék alluvium	3C BB	RB-TR1301	Minimus GFOSU
PKB2 Akasztó	46.6744	19.2419	92	üledék alluvium	3C BB	TC20-PH2	CTR-3
PKB3 Császártöltés	46.4238	19.1949	110	üledék alluvium	3C BB	TC20-PH2	CTR-3
PKB4 Kölesd	46.4963	18.6038	172	üledék alluvium	3C BB	TC20-PH2	CTR-3
PKB5 Pusztahencse	46.5950	18.7356	184	üledék alluvium	3C BB	TC20-PH2	CTR-3
PKS6 Bócsa	46.5998	19.5645	120	homok sand	3C SP	CMG-40T	CMG-DM24S3- EAM
PKS7 Kunszentmiklós	47.0473	19.1609	95	agyag mud	3C SP	CMG-40T	CMG-DM24S3- EAM
PKS9 Tamási	46.5870	18.2789	240	löss loess	3C SP	CMG-40T	CMG-DM24S3- EAM
PKSG Gánt	47.3918	18.3907	200	dolomit dolomite	3C SP	CMG-40T	CMG-DM24S3- EAM
PKSM Mórággy	46.2119	18.6413	170	gránit granite	3C SP	CMG-40T	CMG-DM24S3- EAM
PKSN Nyárlőrinc	46.8970	19.8667	110	homok sand	3C SP	CMG-40T	CMG-DM24S3- EAM
PKST Tés	47.2590	18.0343	473	dolomit dolomite	3C SP	CMG-40T	CMG-DM24S3- EAM
PKSV Villány	45.8885	18.2521	420	mészkö limestone	3C SP	CMG-40T	CMG-DM24S3- EAM

- (1) 3C – 3 komponenses szeizmométer / three component seismometer  
 SP – rövid periódusú szeizmométer / short period seismometer  
 BB – széles sávú szeizmométer / broad band seismometer
- (2) RB-TR1301 – Güralp Radian lyukszeizmométer / Güralp Radian Borehole seismometer  
 CMG-40T – Güralp rövidperiódusú szeizmométer / Güralp short period seismometer  
 TC20-PH2 – Nanometrics Trillium széles sávú lyukszeizmométer /  
 Nanometrics Trillium Compact Posthole broadband seismometer  
 LE-3D – Lennartz 3 komponenses 1 Hz-es geofon / Lennartz three directional 1 Hz geophone
- (3) CMG-DM24S3-EAM – Güralp adatgyűjtő / Güralp data acquisition module  
 Minimus GFOSU – Güralp Minimus 6 csatornás optikai felszíni egység / Güralp Fiber Optic Surface Unit 6Ch  
 CTR-3 – Nanometrics Centaur adatgyűjtő / Nanometrics Centaur data acquisition module



2.1. ábra Szeizmológiai állomások 2024-ben (részletek: 2.1. Táblázat)  
 Figure 2.1. Seismograph stations in 2024 (See Table 2.1. for details)



2.2. ábra A hipocentrum meghatározáshoz használt szeizmológiai állomások

Figure 2.2. Seismograph stations used for hypocenter determination



**2.2. Táblázat** HUN-RENG virtuális szeizmológiai hálózathoz felhasznált fizikai hálózatok  
**Table 2.2.** Physical networks used in HUN-RENG virtual seismic network

AM Raspberry Shake Network

Hálózat kódja* Network code*	Az üzemeltető hálózat Operating network
AM	Raspberry Shake Network
CU	CariUSGS Caribbean Network USGS, Golden, CO
CZ	Czech Seismic Network Geophysical Institute, Czech Academy of Sciences
FB	Seismic Network of Federation of Bosnia and Herzegovina
GE	GEOFON GEOForschungsNetz (Geo Research Network)
GT	Global Telemetered Southern Hemisphere Network USGS Albuquerque Seismological Laboratory
HM	GeoRisk Earthquake Engineering, Hungary
HU	Hungarian National Seismological Network Kövesligethy Radó Seismological Observatory
II	IRIS/IDA Network University of California, Scripps Institute of Oceanography
IU	IRIS/USGS Network USGS Albuquerque Seismological Laboratory
JP	Japan Meteorological Agency Seismic Network Japan Meteorological Agency Seismic, Tokyo Japan
MK	Seismological Observatory Skopje, Republic of Macedonia (MK)
MN	MEDNET Istituto Nazionale di Geofisica, Italy
MY	Malaysian National Seismic Network Malaysian Meteorological Service
NZ	New Zealand National Seismograph Network Institute of Geological & Nuclear Sciences, Wellington, New Zealand
OE	Austrian Seismic Network ZAMG - Central Institute for Meteorology and Geodynamics
PL	Polish Seismological Network Polish Academy of Sciences, Warsaw
RO	Romanian Seismic Network National Institute for Earth Physics, Romania
SJ	Serbian Seismological Network Seismological Survey of Serbia
SK	Slovak National Seismic Network Geophysical Institute, Slovak Academy of Sciences
SL	Slovenia Seismic Network Slovenia Geological Survey, Ljubljana

\*FDSN (International Federation of Digital Seismograph Networks) kód

# 3. ESEMÉNYLISTA ÉS FÖLDRENGÉS FÉSZÉKPARAMÉTEREK

## A FÖLDRENGÉS FÉSZÉKPARAMÉTEREK MEGHATÁROZÁSA

A fészékpármeterek rutinszerű kiszámításához a többször módosított HYPO71PC programot használtuk (Lee and Lahr, 1975). A kimérés és magnitúdó meghatározás a német GEOFON program és a Gempa GmbH által fejlesztett SeisComP programmal történt (Helmholtz-Centre Potsdam - GFZ German Research Centre for Geosciences and gempa GmbH, 2008. The SeisComP seismological software package. GFZ Data Services. doi: 10.5880/GFZ.2.4.2020.003).

A fészékpármeterek meghatározásánál mind a magyarországi, mind a szomszédos országok állomásainak adatait felhasználtuk. A számításnál az egyes állomások kimérési adatait az epicentrumtól való távolsággal fordított arányban súlyoztuk. Néhány esetben, amikor elegendő P fázis adat állt rendelkezésre, az S fázis adatokat nem használtuk fel.

## SEBESSÉGMODELL

A számításnál felhasznált 3 rétegű sebességmodell több száz helyi és közeli földrengés kéregfázis adatain alapul (Mónus, 1995).

<i>Sebesség (vp)</i> <i>[km/s]</i>	<i>Mélység</i> <i>[km]</i>	<i>Vastagság</i> <i>[km]</i>	<i>vp/vs</i>
5,60	0,0	20,0	1,78
6,57	20,0	11,0	
8,02	31,0	∞	

### 3.

## LIST OF ORIGINS AND HYPOCENTER PARAMETERS

#### METHOD FOR HYPOCENTER PARAMETER DETERMINATION

Modified HYPO71PC (Lee and Lahr, 1975) was used for the routine calculation of hypocenter parameters. For phase picking and magnitude determination, the SeisComP program developed by Gempa GmbH with the German GEOFON program was used (Helmholtz-Centre Potsdam - GFZ German Research Centre for Geosciences and gempa GmbH, 2008. The SeisComP seismological software package. GFZ Data Services. doi: 10.5880/GFZ.2.4.2020.003).

The hypocenter parameters have been calculated using phase readings of seismological stations from Hungary and from the adjoining countries. However, a distance weighting has been applied, phase data from stations with epicenter distance greater than 300 km have been weighted out. In some cases, when sufficient number of P readings were available, S phase readings were not used in the calculations.

#### CRUSTAL VELOCITY MODEL

The three-layer crustal velocity model used in the hypocenter calculations has been derived from crustal phase travel times of several hundreds of local earthquakes (Mónus, 1995).

<i>Velocity (<math>v_P</math>)</i> <i>[km/s]</i>	<i>Depth</i> <i>[km]</i>	<i>Thickness</i> <i>[km]</i>	$v_P/v_S$
5.60	0.0	20.0	1.78
6.57	20.0	11.0	
8.02	31.0	$\infty$	

## FÖLDRENGÉSEK LISTÁJA / LIST OF EARTHQUAKES

Nap	Kipattanási idő UTC óó pp mp	Földrajzi koordináták Lat Long	Mélys. (km)	ML	I <sub>MAX</sub> (MIS)	Helyszín
Day	Origin time UTC hr mn sec	Geographic coordinates Lat Long	Depth (km)	ML	I <sub>MAX</sub> (IIS)	Locality or Region
JANUÁR / JANUARY, 2024						
02	16:17:36.7	48.039N 20.370E	1	1.2	-	Mónosbél
02	18:44:30.5	45.689N 21.855E	11	2.6	-	Romania
02	18:50:21.5	45.653N 21.887E	1	0.8	-	Romania
02	18:58:34.6	45.680N 21.894E	13	1.6	-	Romania
02	19:29:34.6	45.671N 21.882E	11	2.2	-	Romania
02	20:31:39.1	45.676N 21.873E	8	2.4	-	Romania
04	21:46:53.5	45.688N 21.877E	8	2.0	-	Romania
04	21:49:26.6	45.694N 21.851E	10	1.7	-	Romania
04	22:05:19.0	45.681N 21.853E	3	0.8	-	Romania
05	4:09:28.6	45.748N 21.802E	0	0.4	-	Romania
06	10:33:37.1	45.811N 21.765E	1	1.1	-	Romania
06	17:32:44.0	48.044N 20.009E	10	1.1	-	Ivád
07	0:49:39.6	46.404N 16.068E	11	3.2	-	Slovenia
08	4:01:56.2	47.674N 20.346E	15	1.8	-	Tenk
08	23:46:30.2	45.667N 21.848E	10	0.9	-	Romania
09	9:01:04.4	45.929N 16.011E	5	1.7	-	Croatia
10	18:15:19.0	45.712N 21.821E	7	1.4	-	Romania
10	20:19:45.1	47.418N 19.219E	11	1.5	-	Gyál
11	21:17:15.2	45.666N 21.890E	10	1.8	-	Romania
12	5:48:59.4	45.737N 21.814E	13	1.3	-	Romania
13	3:04:04.5	48.089N 19.945E	3	1.2	-	Bárna
13	9:14:22.6	45.553N 21.115E	10	1.7	-	Romania
13	9:59:24.1	45.528N 21.189E	10	1.6	-	Romania
16	15:14:48.3	47.464N 18.192E	4	0.2	-	Bokod
16	16:53:37.0	45.662N 21.859E	13	0.5	-	Romania
16	18:08:21.9	46.086N 17.092E	11	1.7	-	Croatia
17	2:25:50.4	47.680N 18.285E	10	0.6	-	Naszály
17	5:34:14.9	46.253N 19.800E	7	1.3	-	Ruzsa
20	4:35:15.4	45.725N 21.827E	7	0.6	-	Romania
21	23:13:59.2	47.348N 18.266E	3	0.5	-	Csókakó
22	19:38:50.5	45.611N 18.228E	5	1.7	-	Croatia
23	12:23:11.5	47.244N 18.255E	2	0.8	-	Iszkaszentgyörgy
25	2:33:00.4	45.921N 16.026E	10	1.0	-	Croatia
25	15:39:21.2	45.937N 16.058E	7	1.6	-	Croatia
27	17:37:05.8	45.820N 20.969E	13	2.1	-	Croatia
28	10:31:16.7	46.868N 18.053E	3	2.2	-	Ságvár
28	10:42:04.8	46.865N 18.056E	10	1.6	-	Ságvár
28	22:37:05.8	47.806N 16.233E	12	1.5	-	Austria
29	1:37:48.8	45.636N 21.881E	5	1.1	-	Romania
29	18:21:12.2	45.531N 16.115E	1	2.4	-	Croatia
30	9:24:54.8	45.661N 21.877E	15	1.8	-	Romania
31	2:19:11.5	48.773N 22.751E	7	2.2	-	Ukraine
31	12:30:18.8	45.689N 21.850E	10	1.5	-	Romania
FEBRUÁR / FEBRUARY, 2024						
01	0:39:24.9	46.733N 20.639E	13	2.2	-	Eperjes
01	6:29:08.2	46.252N 19.840E	4	2.0	-	Zákányszék

## Földrengés paraméterek

## Hypocenter Parameters

01	23:53:30.1	46.426N	17.838E	12	1.6	-	Somogyaszaló
03	1:22:57.9	47.363N	18.560E	14	0.9	-	Vértessacs
03	4:56:28.1	47.440N	16.677E	16	1.1	-	Répces
03	5:00:34.6	47.775N	17.162E	1	2.3	-	Jánossomorja
03	14:33:16.4	45.693N	21.866E	10	1.5	-	Romania
06	17:50:40.2	45.804N	21.747E	0	1.1	-	Romania
07	3:57:18.2	47.292N	18.211E	10	0.3	-	Bodajk
07	22:31:44.3	45.696N	21.833E	10	0.8	-	Romania
08	13:02:49.8	48.521N	19.933E	14	1.3	-	Slovakia
08	16:43:54.0	45.762N	21.768E	10	0.3	-	Romania
08	23:37:21.7	47.439N	18.512E	19	0.8	-	Bodmér
09	0:47:50.7	46.135N	21.597E	10	1.7	-	Romania
09	1:23:33.7	46.101N	21.565E	17	1.5	-	Romania
09	13:50:56.8	45.713N	22.704E	13	1.9	-	Romania
10	6:09:18.6	45.897N	16.026E	10	1.4	-	Croatia
10	7:25:27.3	47.718N	16.103E	8	1.8	-	Austria
10	7:38:32.1	47.692N	16.072E	8	1.3	-	Austria
10	17:26:55.1	45.867N	16.029E	10	2.1	-	Croatia
11	22:46:19.3	47.709N	16.082E	13	0.4	-	Austria
12	1:06:12.7	45.863N	16.009E	10	1.5	-	Croatia
12	11:36:37.4	45.891N	16.022E	6	1.6	-	Croatia
12	11:39:01.6	45.888N	16.009E	10	2.0	-	Croatia
12	18:37:42.7	45.699N	18.436E	10	1.3	-	Croatia
12	22:22:29.5	46.249N	17.846E	18	1.4	-	Gálosfa
13	4:25:58.7	48.415N	17.272E	9	1.7	-	Slovakia
14	3:12:23.8	47.930N	19.145E	1	1.2	-	Rétság
15	1:51:59.2	45.929N	16.020E	4	1.2	-	Croatia
15	6:58:40.6	45.742N	21.687E	6	1.8	-	Romania
15	10:57:58.8	45.636N	21.228E	10	1.9	-	Romania
16	20:40:57.9	46.206N	18.426E	7	0.5	-	Zengővárkony
16	23:00:53.0	48.126N	20.395E	10	0.8	-	Nagyvisnyó
18	19:02:15.5	46.185N	16.367E	11	1.9	-	Croatia
19	1:59:25.0	46.308N	16.710E	21	1.7	-	Croatia
19	14:50:01.9	45.693N	21.824E	16	0.5	-	Romania
20	19:43:53.6	45.539N	21.319E	24	1.4	-	Romania
21	4:26:15.0	45.854N	21.740E	0	0.6	-	Romania
21	9:03:53.2	45.580N	17.825E	6	1.6	-	Croatia
21	22:41:18.3	47.881N	16.375E	13	1.6	-	Austria
22	0:37:53.4	45.931N	16.042E	5	1.2	-	Croatia
25	2:21:55.0	47.285N	18.254E	7	-0.2	-	Fehérváracsurgó
25	6:13:46.0	47.008N	22.712E	10	2.8	-	Romania
27	4:49:24.8	46.140N	16.462E	14	1.7	-	Croatia
27	8:40:22.1	46.152N	21.562E	6	1.9	-	Romania
28	0:30:14.6	45.603N	21.872E	10	0.5	-	Romania
28	4:51:47.5	47.270N	18.231E	4	0.2	-	Kincsesbánya
29	10:10:03.1	47.430N	16.063E	10	1.4	-	Austria

## MÁRCIUS / MARCH, 2024

01	3:58:02.2	45.680N	21.864E	9	1.6	-	Romania
01	10:05:57.0	45.903N	16.001E	10	2.1	-	Croatia
01	10:09:43.0	45.869N	16.001E	10	2.0	-	Croatia
01	10:33:12.7	45.876N	16.003E	6	1.6	-	Croatia
01	11:46:47.4	45.873N	16.013E	10	1.5	-	Croatia
01	20:17:14.7	48.748N	19.268E	15	1.7	-	Slovakia
01	21:23:59.0	45.927N	16.022E	3	1.5	-	Croatia
02	3:50:15.7	46.233N	16.424E	13	1.9	-	Croatia
02	14:57:35.4	45.868N	16.005E	10	1.9	-	Croatia
02	20:20:51.7	45.919N	16.030E	5	1.4	-	Croatia
03	3:00:14.0	45.658N	18.163E	4	1.7	-	Croatia
04	4:46:07.1	46.127N	17.093E	8	2.0	-	Croatia

**Hypocenter Parameters**

**Földrengés paraméterek**

04	13:11:23.8	48.564N	19.831E	0	1.5	-	Slovakia
05	3:46:45.5	47.267N	18.222E	3	0.0	-	Kincsesbánya
05	21:46:23.0	45.931N	17.167E	20	1.8	-	Croatia
06	1:39:30.5	47.283N	18.218E	5	-0.2	-	Kincsesbánya
06	6:33:19.1	45.912N	17.156E	17	1.8	-	Croatia
06	12:22:02.0	45.929N	16.072E	10	2.2	-	Croatia
07	0:55:05.8	45.864N	16.006E	10	2.5	-	Croatia
07	0:58:24.1	45.848N	16.039E	10	3.1	-	Croatia
07	1:07:02.0	45.892N	16.039E	10	1.5	-	Croatia
07	8:07:38.5	45.886N	16.046E	8	1.4	-	Croatia
07	11:33:25.2	45.887N	16.028E	10	2.4	-	Croatia
07	11:45:28.5	45.866N	16.047E	10	1.5	-	Croatia
07	12:25:20.2	45.942N	16.115E	10	2.1	-	Croatia
07	14:22:58.1	45.882N	16.004E	4	1.6	-	Croatia
07	21:11:17.9	45.898N	16.010E	2	1.6	-	Croatia
07	23:08:48.6	47.022N	16.603E	9	1.9	-	Körmend
08	10:45:38.4	47.677N	16.082E	10	0.9	-	Austria
08	19:36:20.5	45.876N	16.018E	10	1.9	-	Croatia
08	19:45:42.5	45.878N	16.011E	8	2.7	-	Croatia
09	2:27:13.6	45.905N	16.023E	8	1.9	-	Croatia
11	7:45:36.5	45.891N	16.060E	6	1.4	-	Croatia
11	8:48:21.4	48.810N	16.145E	3	1.9	-	Czechia
11	13:25:48.2	45.903N	16.023E	7	2.1	-	Croatia
13	17:52:56.0	46.567N	17.496E	10	1.5	-	Csömend
13	20:05:13.3	46.589N	17.478E	10	1.6	-	Csömend
13	21:35:30.8	47.743N	16.287E	18	0.4	-	Austria
14	21:14:40.4	45.906N	16.032E	10	1.4	-	Croatia
15	1:57:29.3	45.667N	21.854E	11	1.8	-	Romania
15	23:48:49.8	48.567N	17.544E	8	1.7	-	Slovakia
16	13:06:27.8	45.645N	21.872E	10	1.7	-	Romania
16	15:03:59.0	45.939N	16.056E	14	1.4	-	Croatia
16	17:19:45.4	46.166N	16.511E	10	1.8	-	Croatia
17	2:27:42.0	45.940N	16.032E	3	0.7	-	Croatia
17	5:08:40.2	47.221N	18.133E	10	0.5	-	Várpalota
19	15:49:43.0	45.537N	16.373E	6	2.0	-	Croatia
20	11:33:32.3	47.738N	16.156E	15	0.9	-	Austria
20	15:34:20.6	45.515N	18.053E	1	2.7	-	Croatia
21	19:19:59.3	45.893N	16.004E	10	1.8	-	Croatia
27	11:57:08.3	46.366N	22.824E	10	1.9	-	Romania
28	23:14:38.3	47.917N	17.928E	13	1.9	-	Slovakia
29	14:18:09.8	45.913N	16.004E	8	1.7	-	Croatia
31	4:36:40.5	47.656N	20.332E	12	1.8	-	Tenk
31	15:07:24.5	48.580N	19.313E	6	1.6	-	Slovakia

**ÁPRILIS / APRIL, 2024**

01	1:23:30.4	45.642N	21.357E	6	1.2	-	Romania
01	7:00:07.1	47.819N	16.208E	14	0.8	-	Austria
01	7:04:33.1	47.828N	16.246E	16	0.6	-	Austria
02	13:32:12.8	45.601N	16.078E	14	2.0	-	Croatia
02	13:49:20.3	46.124N	21.528E	15	1.5	-	Romania
02	19:46:53.7	46.095N	21.604E	10	1.6	-	Romania
06	15:08:57.2	45.559N	16.590E	3	2.1	-	Croatia
06	20:21:57.7	45.665N	21.654E	14	1.8	-	Romania
08	18:30:56.0	47.673N	16.040E	8	0.7	-	Austria
09	1:13:11.1	45.975N	16.239E	10	2.1	-	Croatia
09	10:48:11.1	46.631N	21.012E	13	2.5	-	Újkígyós
09	17:35:10.6	47.722N	16.609E	12	0.4	-	Fertőrákos
09	21:36:19.0	45.865N	17.780E	15	1.0	-	Markóc
13	7:17:55.5	47.749N	16.091E	21	0.5	-	Austria
13	20:26:13.1	46.353N	17.613E	11	1.5	-	Kiskorpad

**Földrengés paraméterek**

**Hypocenter Parameters**

14	15:14:15.3	47.825N	16.206E	8	3.1	-	Austria
14	15:18:32.5	47.815N	16.229E	15	0.6	-	Austria
14	15:21:55.9	47.791N	16.191E	15	1.2	-	Austria
14	16:17:39.2	47.791N	16.193E	14	1.2	-	Austria
14	16:30:02.7	47.791N	16.192E	14	1.0	-	Austria
14	16:45:24.6	47.805N	16.190E	13	0.8	-	Austria
14	16:57:15.4	47.807N	16.222E	17	0.5	-	Austria
14	17:30:19.0	47.833N	16.234E	10	0.5	-	Austria
14	18:02:34.8	47.828N	16.228E	12	0.1	-	Austria
14	21:48:34.5	47.841N	16.232E	13	0.5	-	Austria
16	5:54:27.6	47.800N	16.152E	8	0.8	-	Austria
16	6:45:06.0	47.930N	16.346E	7	2.3	-	Austria
16	12:11:14.6	46.378N	22.169E	2	1.6	-	Romania
16	18:13:39.3	45.658N	21.873E	13	1.2	-	Romania
16	19:24:10.8	45.763N	21.807E	10	0.6	-	Romania
16	22:52:57.7	45.675N	21.878E	12	1.8	-	Romania
16	23:07:45.8	45.647N	21.899E	10	0.8	-	Romania
17	7:40:24.4	47.800N	16.203E	13	1.5	-	Austria
17	22:08:56.5	47.787N	16.181E	15	0.3	-	Austria
18	16:15:43.1	45.662N	21.885E	16	1.4	-	Romania
19	4:23:05.2	45.591N	20.983E	2	1.4	-	Croatia
19	19:39:01.9	46.422N	16.360E	13	1.0	-	Croatia
21	18:25:57.2	47.789N	16.174E	14	0.6	-	Austria
21	22:04:17.8	46.099N	17.071E	8	2.1	-	Croatia
22	8:21:34.8	45.622N	16.039E	8	1.8	-	Croatia
23	22:27:48.3	48.713N	22.245E	9	1.6	-	Slovakia
24	13:22:04.7	45.889N	16.009E	11	2.0	-	Croatia
25	17:44:56.1	47.773N	17.180E	6	1.8	-	Jánossomorja
26	18:55:36.2	47.766N	16.176E	14	0.5	-	Austria
30	6:25:56.6	46.068N	16.900E	7	1.6	-	Croatia

**MÁJUS / MAY, 2024**

02	3:25:56.5	45.910N	16.028E	10	1.6	-	Croatia
02	15:58:01.6	45.798N	17.930E	10	1.3	-	Piskó
05	0:00:32.3	47.364N	18.415E	9	0.2	-	Gánt
05	20:25:33.0	45.944N	16.212E	11	2.0	-	Croatia
06	2:15:20.2	47.726N	19.166E	13	1.1	-	Szódliget
06	17:08:37.3	46.547N	17.708E	7	1.2	-	Edde
06	19:13:05.9	45.509N	21.314E	10	1.1	-	Romania
06	23:28:46.8	46.191N	16.087E	12	1.5	-	Croatia
07	14:31:09.3	45.920N	16.250E	10	1.1	-	Croatia
07	14:31:53.4	45.946N	16.262E	10	1.4	-	Croatia
07	14:32:45.6	45.922N	16.251E	10	1.2	-	Croatia
07	14:33:43.1	45.923N	16.264E	14	0.8	-	Croatia
07	21:34:23.1	45.962N	16.179E	10	2.0	-	Croatia
08	3:25:44.5	45.781N	18.753E	14	0.8	-	Croatia
08	7:43:56.4	45.883N	16.038E	13	1.3	-	Croatia
11	8:40:39.2	45.926N	16.028E	3	1.9	-	Croatia
11	9:42:01.2	47.180N	18.068E	6	1.2	-	Öskü
12	7:04:47.4	47.780N	16.578E	10	0.0	-	Austria
12	7:14:09.8	45.902N	18.831E	10	1.5	-	Homorúd
12	13:41:37.3	46.497N	16.731E	10	1.9	-	Zajk
13	20:19:58.9	46.429N	16.230E	10	1.6	-	Slovenia
15	18:47:35.6	46.104N	16.479E	13	1.6	-	Croatia
17	2:29:10.1	47.686N	16.022E	9	0.7	-	Austria
17	14:04:51.7	46.028N	22.033E	4	1.2	-	Romania
18	3:28:41.4	48.036N	20.806E	5	1.1	-	Kistokaj
18	17:25:31.7	48.273N	16.795E	12	1.6	-	Austria
18	17:37:36.3	48.261N	16.788E	10	1.8	-	Austria
18	17:45:01.9	48.315N	16.789E	8	1.6	-	Austria

**Hypocenter Parameters**

**Földrengés paraméterek**

19	16:37:53.3	47.975N	19.233E	3	1.8	-	Szátok
20	22:35:04.3	45.855N	18.883E	1	0.7	-	Croatia
21	6:25:05.1	45.550N	17.253E	7	1.4	-	Croatia
22	17:08:56.8	48.333N	21.868E	10	1.7	-	Pácin
22	22:07:07.6	47.223N	17.490E	16	0.5	-	Bakonypölöske
23	2:48:12.5	45.886N	16.034E	10	1.5	-	Croatia
24	15:27:44.8	46.440N	16.355E	13	1.6	-	Croatia
25	4:10:57.9	47.399N	18.413E	10	0.1	-	Gánt
25	5:58:52.6	45.894N	16.009E	10	1.4	-	Croatia
25	11:37:37.7	46.564N	22.242E	3	1.3	-	Romania
25	13:42:34.4	47.849N	16.254E	18	0.4	-	Austria
27	14:45:07.3	45.773N	18.792E	10	0.9	-	Croatia
27	19:11:15.5	46.121N	17.049E	13	1.5	-	Croatia
27	20:51:02.0	45.901N	16.002E	8	1.1	-	Croatia
28	16:15:59.5	45.568N	16.055E	10	1.9	-	Croatia
29	7:16:32.7	45.879N	16.049E	14	1.4	-	Croatia
29	12:39:19.4	45.895N	16.031E	10	1.3	-	Croatia
30	1:22:10.4	45.648N	21.723E	11	0.0	-	Romania
30	22:00:28.4	47.982N	16.455E	15	0.7	-	Austria
31	10:30:27.1	47.831N	21.398E	7	1.6	-	Hajdúnánás
31	11:48:02.7	46.317N	22.967E	1	1.7	-	Romania

**JÚNIUS / JUNE, 2024**

01	3:31:47.7	47.923N	16.416E	10	1.0	-	Austria
02	10:58:45.8	45.948N	16.001E	6	1.5	-	Croatia
03	2:41:24.1	45.912N	16.012E	6	0.8	-	Croatia
04	21:27:19.8	47.347N	19.743E	4	1.7	-	Tápióbecske
06	1:12:25.5	46.494N	16.017E	18	1.1	-	Slovenia
07	0:01:22.4	47.861N	17.208E	2	1.5	-	Mosonszolnok
07	0:11:24.8	47.876N	17.201E	6	1.4	-	Levél
07	0:15:53.4	47.866N	17.228E	10	1.6	-	Mosonmagyaróvár
07	0:25:04.2	47.875N	17.225E	2	2.1	-	Mosonmagyaróvár
07	12:27:29.0	45.568N	16.109E	10	2.0	-	Croatia
07	19:01:24.8	46.340N	18.017E	10	1.9	-	Mosdós
08	17:28:54.6	47.004N	19.114E	10	2.5	3	Kunszentmiklós
10	7:10:49.7	45.933N	16.072E	11	2.0	-	Croatia
10	10:04:05.0	48.677N	21.338E	3	1.4	-	Slovakia
10	20:48:33.6	45.901N	16.014E	6	1.9	-	Croatia
11	11:57:51.5	45.663N	21.872E	10	1.0	-	Romania
13	6:26:14.4	47.950N	20.896E	5	1.6	-	Szakáld
14	18:17:52.6	45.695N	21.859E	10	0.8	-	Romania
16	21:14:16.9	45.918N	16.046E	10	1.1	-	Croatia
16	22:17:00.7	47.323N	18.178E	11	0.6	-	Balinka
17	2:08:12.9	45.704N	22.004E	15	1.7	-	Romania
17	8:56:59.5	47.325N	16.073E	4	1.8	-	Austria
17	11:43:02.8	46.109N	17.585E	10	1.7	-	Homokszentgyörgy
17	12:20:25.5	45.998N	17.593E	10	1.9	-	Darány
17	12:43:28.2	46.068N	17.622E	10	1.3	-	Kálmánca
17	12:44:33.0	46.053N	17.634E	14	1.3	-	Kálmánca
17	14:40:04.1	48.545N	17.669E	10	1.8	-	Slovakia
17	16:15:01.7	46.070N	17.618E	9	1.9	-	Kálmánca
18	3:03:49.8	45.932N	16.051E	6	1.6	-	Croatia
21	3:46:40.1	45.652N	18.072E	18	1.1	-	Croatia
22	4:22:34.5	47.302N	18.197E	12	0.4	-	Balinka
23	7:23:41.5	45.922N	16.056E	4	1.6	-	Croatia
23	13:15:44.3	47.393N	18.256E	4	0.2	-	Mór
26	11:28:40.8	47.395N	18.758E	10	0.8	-	Pusztazámor
27	2:08:21.9	45.666N	21.891E	15	2.0	-	Romania
27	21:37:34.0	46.062N	17.613E	10	1.2	-	Kálmánca
27	23:00:04.7	46.137N	17.577E	12	1.1	-	Homokszentgyörgy



**Földrengés paraméterek**

**Hypocenter Parameters**

30	3:27:27.9	45.526N	16.121E	7	1.8	-	Croatia
JÚLIUS / JULY, 2024							
01	4:43:31.3	47.710N	16.219E	15	1.4	-	Austria
02	0:45:48.3	47.232N	18.365E	15	0.5	-	Moha
02	17:25:48.5	47.785N	16.118E	10	1.2	-	Austria
02	23:14:56.8	47.779N	16.121E	9	0.2	-	Austria
03	4:45:02.0	45.915N	16.196E	4	1.5	-	Croatia
03	20:18:55.9	48.047N	20.778E	0	0.8	-	Miskolctapolca
04	2:30:40.7	47.636N	17.923E	4	1.6	-	Bana
05	0:47:46.9	47.254N	17.360E	10	0.9	-	Dabrony
05	23:47:35.5	47.357N	18.275E	9	0.4	-	Csókakó
06	13:43:41.1	47.242N	17.308E	10	1.5	-	Dabrony
06	20:02:53.5	45.791N	17.278E	17	0.9	-	Croatia
07	1:09:29.4	46.018N	22.067E	4	1.5	-	Romania
07	5:19:19.0	47.160N	17.792E	11	1.5	-	Hárskút
07	16:34:21.8	47.293N	18.296E	10	0.8	-	Fehérvárcsurgó
07	19:46:58.3	45.626N	16.035E	10	1.9	-	Croatia
08	20:35:03.3	47.309N	18.978E	8	0.7	-	Tököl
08	23:24:18.2	47.316N	18.384E	8	0.4	-	Zámoly
09	2:52:43.7	47.456N	22.499E	6	1.7	-	Romania
09	14:59:38.8	47.420N	16.758E	15	1.1	-	Szakony
10	16:07:46.1	47.487N	22.497E	11	2.9	-	Romania
11	8:11:52.8	46.091N	21.719E	15	1.5	-	Romania
12	12:25:02.2	45.608N	16.373E	8	2.3	-	Croatia
12	17:13:50.6	45.998N	16.072E	0	1.2	-	Croatia
13	16:55:40.4	47.318N	18.155E	9	1.4	-	Balinka
14	1:25:47.2	45.668N	21.493E	12	0.6	-	Romania
14	14:25:41.6	47.999N	16.513E	15	0.8	-	Austria
14	20:29:52.0	47.833N	16.255E	13	1.4	-	Austria
14	22:47:51.2	45.796N	21.753E	1	1.2	-	Romania
16	1:20:33.5	47.310N	18.179E	10	1.4	-	Balinka
16	16:14:46.4	48.882N	22.180E	2	2.1	-	Slovakia
16	16:16:49.1	46.121N	16.104E	10	1.7	-	Croatia
16	21:27:46.6	46.862N	18.076E	11	2.2	4	Ságvár
17	10:08:32.2	45.685N	21.850E	10	1.6	-	Romania
20	0:37:43.7	48.260N	17.362E	10	1.4	-	Slovakia
20	0:38:05.0	48.207N	17.448E	1	0.9	-	Slovakia
20	15:01:25.7	45.779N	21.784E	1	1.2	-	Romania
20	18:02:15.2	46.466N	16.408E	10	1.4	-	Croatia
21	7:29:28.4	48.036N	17.216E	10	1.2	-	Slovakia
25	1:15:04.5	47.666N	20.327E	14	1.1	-	Tenk
25	9:05:11.5	46.298N	21.644E	10	1.6	-	Romania
26	17:37:13.8	47.824N	17.220E	10	1.4	-	Újrónafő
26	19:48:02.7	45.587N	17.433E	10	1.0	-	Croatia
26	22:28:05.0	47.430N	18.382E	11	0.2	-	Gánt
27	5:40:22.6	47.820N	16.288E	12	0.0	-	Austria
28	13:51:48.5	45.934N	16.098E	0	1.2	-	Croatia
28	22:21:26.4	47.001N	21.462E	10	1.3	-	Komádi
28	23:51:03.0	47.044N	21.515E	20	1.4	-	Magyarhomorog
29	0:54:52.2	47.059N	21.507E	18	1.2	-	Magyarhomorog
31	11:05:55.6	45.707N	21.817E	8	1.5	-	Romania
AUGUSZTUS / AUGUST, 2024							
02	0:47:15.8	47.419N	22.406E	10	1.2	-	Romania
03	19:58:53.9	45.879N	21.481E	10	1.0	-	Romania
04	14:21:30.6	45.913N	17.151E	19	1.6	-	Croatia
04	15:48:34.1	45.633N	21.877E	16	0.2	-	Romania
04	19:24:06.2	46.471N	16.218E	15	0.9	-	Slovenia
04	20:13:50.2	45.669N	21.869E	10	0.5	-	Romania

**Hypocenter Parameters**

**Földrengés paraméterek**

04	20:31:49.8	48.266N	22.806E	10	1.6	-	Ukraine
04	20:35:43.7	48.277N	22.826E	13	1.6	-	Ukraine
05	2:51:29.3	45.621N	21.860E	8	0.2	-	Romania
05	7:00:47.1	48.297N	17.262E	10	1.3	-	Slovakia
05	23:59:30.7	47.822N	16.280E	10	1.1	-	Austria
07	3:04:25.8	45.902N	21.701E	0	0.5	-	Romania
07	3:08:45.1	45.507N	21.930E	10	1.0	-	Romania
07	19:20:32.2	47.870N	16.201E	10	1.6	-	Austria
07	19:22:36.8	47.862N	16.184E	14	0.8	-	Austria
08	4:17:04.8	45.775N	17.295E	14	1.3	-	Croatia
08	21:48:58.2	47.426N	22.428E	8	1.8	-	Romania
09	1:07:06.8	47.278N	18.224E	10	0.0	-	Kincsesbánya
09	2:09:00.2	46.410N	16.365E	15	0.8	-	Croatia
09	22:37:15.4	45.737N	21.819E	10	0.9	-	Romania
10	15:26:08.9	47.585N	22.099E	7	1.5	-	Fülöp
10	15:54:22.6	47.296N	18.174E	8	0.4	-	Balinka
10	20:46:00.9	45.957N	22.038E	10	4.5	4	Romania
10	20:51:13.7	45.979N	22.042E	10	1.6	-	Romania
10	20:52:36.9	45.984N	22.083E	7	2.3	-	Romania
10	20:56:55.0	46.022N	22.028E	10	1.0	-	Romania
10	22:08:28.1	46.030N	22.032E	10	1.2	-	Romania
10	23:34:01.2	46.020N	22.031E	10	1.0	-	Romania
11	0:47:28.6	46.004N	22.032E	10	1.1	-	Romania
11	2:41:38.5	45.726N	21.561E	10	1.0	-	Romania
11	4:15:31.7	45.524N	16.042E	8	1.8	-	Croatia
11	7:59:58.8	46.007N	22.049E	10	1.2	-	Romania
11	12:33:40.0	45.997N	22.050E	10	1.0	-	Romania
11	15:29:25.5	45.598N	20.291E	8	1.7	-	Serbia
12	0:29:12.4	46.859N	21.286E	10	1.5	-	Okány
12	1:05:19.0	46.842N	21.314E	3	2.0	-	Sarkadkeresztúr
12	5:35:25.7	45.951N	22.059E	19	1.6	-	Romania
12	14:50:25.0	46.073N	21.802E	10	1.6	-	Romania
12	15:10:17.8	46.009N	22.069E	10	1.1	-	Romania
12	18:02:41.5	46.002N	22.097E	5	1.8	-	Romania
12	18:50:29.7	45.674N	16.484E	12	1.8	-	Croatia
12	23:13:53.9	46.007N	22.041E	10	0.9	-	Romania
13	2:08:50.6	45.971N	22.120E	16	1.1	-	Romania
13	6:43:04.9	46.179N	16.608E	10	4.5	5	Croatia
13	7:08:58.7	46.180N	16.657E	15	1.7	-	Croatia
13	10:24:52.7	46.012N	22.080E	10	1.3	-	Romania
13	10:46:51.2	45.991N	22.072E	6	2.6	-	Romania
13	14:28:40.3	46.185N	16.640E	10	1.8	-	Croatia
13	21:11:57.2	47.403N	18.362E	10	0.0	-	Gánt
14	0:38:38.6	46.178N	16.600E	11	1.5	-	Croatia
14	4:16:50.9	46.186N	16.643E	14	1.6	-	Croatia
14	14:14:58.0	45.955N	22.125E	18	1.3	-	Romania
14	19:03:41.0	46.009N	21.955E	10	1.0	-	Romania
14	19:19:21.7	45.997N	22.074E	10	2.0	-	Romania
14	19:29:34.3	46.015N	22.101E	10	1.1	-	Romania
14	19:59:19.0	46.000N	22.082E	14	1.6	-	Romania
14	21:20:40.1	46.001N	22.056E	10	1.3	-	Romania
14	21:55:38.2	46.019N	22.061E	10	1.1	-	Romania
15	0:18:25.9	45.771N	17.300E	14	1.6	-	Croatia
15	0:43:56.0	47.677N	16.028E	10	1.0	-	Austria
15	1:30:21.5	45.504N	16.341E	10	1.6	-	Croatia
15	3:44:50.5	46.194N	16.614E	10	2.7	-	Croatia
15	3:56:48.4	46.207N	16.560E	13	1.8	-	Croatia
15	5:05:10.7	45.821N	17.255E	10	1.8	-	Croatia
15	5:49:52.4	46.192N	16.620E	11	1.6	-	Croatia
16	0:33:08.2	46.216N	16.611E	12	1.9	-	Croatia

**Földrengés paraméterek**

**Hypocenter Parameters**

16	1:37:11.0	46.192N	16.622E	10	1.7	-	Croatia
16	2:13:07.0	46.214N	16.609E	13	1.6	-	Croatia
16	5:06:42.5	46.196N	16.646E	10	1.7	-	Croatia
16	7:40:21.4	46.199N	16.675E	9	1.7	-	Croatia
16	10:04:32.2	46.005N	22.060E	10	1.7	-	Romania
16	18:54:57.9	46.029N	22.028E	6	1.3	-	Romania
17	1:26:16.1	46.023N	22.029E	10	1.0	-	Romania
17	2:59:13.5	46.205N	16.635E	10	2.0	-	Croatia
17	13:31:26.2	45.815N	20.778E	2	1.5	-	Romania
17	17:05:07.9	45.805N	20.700E	10	2.5	-	Romania
17	17:07:37.2	45.860N	20.830E	16	1.4	-	Romania
18	3:16:22.3	45.840N	20.780E	10	1.8	-	Romania
18	5:48:53.4	45.769N	21.621E	17	1.0	-	Romania
18	15:57:00.6	46.183N	16.629E	10	1.9	-	Croatia
19	2:24:58.5	46.202N	16.667E	10	1.7	-	Croatia
19	5:09:56.6	46.099N	18.438E	8	2.2	-	Erzsébet
19	8:46:27.6	47.926N	21.253E	10	1.6	-	Józsefháza
19	15:01:15.9	45.986N	22.097E	6	2.5	-	Romania
19	21:51:56.9	45.813N	20.777E	10	1.6	-	Romania
20	5:23:54.1	46.178N	16.632E	15	1.4	-	Croatia
20	5:26:59.7	46.190N	16.635E	10	2.1	-	Croatia
20	15:52:06.0	45.917N	21.710E	10	1.4	-	Romania
20	16:55:54.0	45.686N	21.843E	10	0.2	-	Romania
21	0:19:04.5	45.992N	22.052E	10	1.2	-	Romania
21	19:51:15.2	46.481N	16.430E	14	1.0	-	Croatia
22	14:00:39.8	45.808N	20.759E	12	3.4	-	Romania
22	14:35:24.2	45.806N	20.785E	0	1.6	-	Romania
22	15:58:48.8	45.810N	20.747E	10	2.3	-	Romania
22	18:33:02.3	46.884N	16.157E	4	1.8	-	Felsőszölnök
22	19:48:03.6	45.822N	20.896E	10	1.5	-	Romania
23	1:40:48.5	45.821N	20.747E	7	2.3	-	Romania
23	3:22:14.0	45.960N	22.107E	10	2.4	-	Romania
23	8:38:25.5	45.831N	20.810E	12	2.3	-	Romania
23	8:38:54.4	45.812N	20.764E	5	1.8	-	Romania
24	0:18:55.5	45.814N	20.761E	6	1.4	-	Romania
24	14:39:21.7	47.763N	18.033E	11	1.7	-	Komárom
24	14:55:07.8	46.008N	22.093E	10	1.0	-	Romania
24	20:57:49.7	45.806N	20.741E	12	1.6	-	Romania
25	20:05:36.7	46.006N	22.069E	10	1.1	-	Romania
25	20:27:51.2	46.017N	22.037E	7	0.9	-	Romania
26	14:10:54.0	46.038N	22.212E	10	1.1	-	Romania
27	5:24:41.2	46.189N	16.176E	4	1.4	-	Croatia
27	10:28:41.3	45.999N	22.016E	10	2.4	-	Romania
27	15:25:54.3	45.985N	22.067E	7	2.4	-	Romania
27	18:13:00.8	46.010N	22.009E	10	1.2	-	Romania
28	14:43:37.4	47.843N	16.289E	10	0.7	-	Austria
30	3:51:05.3	47.334N	16.395E	10	1.8	-	Austria
30	7:52:00.3	46.008N	22.268E	7	1.4	-	Romania
30	13:47:33.3	47.551N	16.352E	6	1.8	-	Austria
30	19:53:37.1	47.676N	16.002E	10	1.5	-	Austria
31	1:06:56.5	45.560N	21.886E	15	1.7	-	Romania
31	19:18:01.5	45.830N	20.751E	10	3.1	-	Romania
31	19:39:38.7	45.827N	20.770E	7	2.2	-	Romania
31	19:40:05.0	45.803N	20.700E	10	1.6	-	Romania

**SZEPTEMBER / SEPTEMBER, 2024**

02	1:38:16.7	46.240N	19.124E	8	1.7	-	Rém
02	7:06:28.9	45.684N	22.881E	10	1.5	-	Romania
02	18:16:50.8	45.937N	16.021E	10	1.1	-	Croatia
02	22:14:58.1	45.642N	21.517E	14	0.3	-	Romania

**Hypocenter Parameters**

**Földrengés paraméterek**

04	8:16:00.8	45.856N	22.108E	1	1.4	-	Romania
04	14:03:02.0	45.678N	21.449E	12	1.3	-	Romania
04	16:33:24.6	45.988N	22.085E	6	3.1	-	Romania
04	16:36:19.4	45.916N	22.075E	18	1.4	-	Romania
04	16:45:43.9	46.019N	22.109E	10	0.8	-	Romania
04	19:55:54.8	46.287N	18.361E	10	0.4	-	Vékény
04	19:57:12.2	46.293N	18.408E	0	-0.1	-	Györe
04	19:59:35.2	46.293N	18.419E	10	0.4	-	Györe
04	20:02:20.2	46.292N	18.403E	5	0.6	-	Györe
04	21:27:41.6	45.766N	21.800E	14	0.1	-	Romania
06	16:09:29.2	47.340N	18.152E	7	2.3	3	Nagyveleg
06	16:54:13.6	45.834N	17.719E	8	1.8	-	Felsőszentmárton
07	1:36:24.5	47.334N	18.136E	9	0.4	-	Bakonycsernye
07	2:43:31.2	47.308N	18.160E	7	1.2	-	Balinka
07	9:34:34.9	45.770N	16.006E	10	2.3	-	Croatia
07	9:39:11.2	45.807N	16.026E	12	1.7	-	Croatia
07	9:59:11.9	47.374N	18.301E	8	1.0	-	Csókakó
08	20:23:57.3	47.390N	18.292E	4	-0.2	-	Csókakó
08	21:56:00.1	47.384N	18.281E	6	-0.1	-	Csókakó
08	21:59:07.3	47.423N	18.257E	1	0.0	-	Pusztavám
09	0:03:58.1	47.316N	18.228E	14	-0.1	-	Bodajk
09	2:47:24.3	46.035N	21.995E	0	1.1	-	Romania
11	9:09:36.3	46.138N	21.490E	10	1.7	-	Romania
11	14:40:25.7	48.601N	22.240E	10	2.0	-	Ukraine
13	4:30:11.1	45.796N	20.469E	26	1.5	-	Serbia
13	18:45:41.0	46.164N	16.658E	10	2.0	-	Croatia
13	22:19:36.2	45.801N	17.657E	10	0.9	-	Croatia
14	17:06:18.8	48.271N	22.240E	14	0.9	-	Újkenéz
14	17:11:20.1	48.196N	22.220E	1	1.7	-	Lövöpetri
14	17:48:13.1	48.255N	22.251E	18	1.7	-	Újkenéz
15	4:30:39.2	46.013N	21.987E	10	1.3	-	Romania
15	23:21:25.4	47.856N	18.490E	10	1.4	-	Slovakia
16	10:52:41.6	46.104N	21.582E	10	1.7	-	Romania
16	21:56:25.7	45.884N	16.034E	13	1.3	-	Croatia
17	0:27:19.0	46.010N	22.063E	10	0.7	-	Romania
17	15:42:22.9	45.833N	18.215E	17	1.2	-	Ipacsfa
18	1:35:16.5	45.878N	22.212E	28	1.0	-	Romania
19	1:16:39.1	46.458N	16.907E	12	0.8	-	Sormás
20	4:33:13.1	45.729N	20.770E	16	1.3	-	Serbia
20	21:50:11.0	47.331N	18.215E	2	0.3	-	Bodajk
21	23:58:47.3	48.681N	22.246E	10	1.6	-	Slovakia
22	5:16:35.1	47.369N	18.659E	15	0.3	-	Vál
23	21:54:07.0	47.384N	18.428E	4	-0.3	-	Gánt
24	1:19:23.3	45.538N	21.186E	16	0.9	-	Romania
24	8:12:29.8	47.906N	16.026E	5	0.5	-	Austria
24	10:37:27.0	45.925N	16.058E	10	1.3	-	Croatia
24	23:27:55.8	47.354N	18.464E	2	0.5	-	Csákvár
25	1:32:00.6	45.741N	21.816E	10	0.7	-	Romania
25	11:37:51.2	47.769N	16.241E	14	1.2	-	Austria
25	11:40:03.3	47.797N	16.284E	7	0.4	-	Austria
25	12:27:55.3	45.729N	21.827E	10	1.3	-	Romania
27	16:45:41.0	45.845N	21.578E	10	0.9	-	Romania
27	20:12:47.3	45.810N	21.626E	15	1.0	-	Romania
28	2:07:17.4	47.667N	20.302E	15	1.5	-	Erdőtelek
28	5:17:56.9	47.750N	16.219E	13	1.0	-	Austria
30	3:06:12.4	45.684N	21.849E	10	0.5	-	Romania
30	8:06:37.3	46.022N	22.813E	10	1.6	-	Romania
30	8:40:22.5	46.141N	17.980E	10	0.9	-	Hetvehely
30	10:38:24.6	46.326N	21.831E	4	2.2	-	Romania
30	13:24:41.9	47.569N	16.322E	10	0.8	-	Austria

## Földrengés paraméterek

## Hypocenter Parameters

OKTÓBER / OCTOBER, 2024

03	22:30:58.2	45.749N	21.815E	9	0.3	-	Romania
04	8:31:02.3	48.310N	19.089E	10	1.5	-	Slovakia
05	20:58:21.4	45.922N	18.001E	12	0.2	-	Gilvánfa
06	1:10:13.9	46.147N	16.478E	10	1.6	-	Croatia
09	16:02:22.4	47.333N	18.407E	8	0.3	-	Zámoly
10	13:55:30.0	45.800N	20.659E	12	2.0	-	Romania
12	5:24:20.2	45.928N	21.338E	10	1.3	-	Romania
12	16:40:10.1	47.318N	18.287E	8	0.5	-	Söréd
12	21:47:37.9	47.272N	18.219E	10	0.4	-	Kincsesbánya
13	2:02:27.3	47.365N	18.135E	12	0.9	-	Nagyveleg
16	1:22:01.7	46.202N	16.569E	10	1.8	-	Croatia
17	4:31:15.1	45.815N	20.772E	1	1.5	-	Romania
18	22:32:48.1	46.015N	22.028E	10	1.2	-	Romania
20	0:34:19.0	46.023N	22.037E	7	1.5	-	Romania
20	4:15:51.7	48.758N	19.228E	12	1.6	-	Slovakia
20	5:44:17.0	45.902N	18.566E	3	1.3	-	Töttös
20	13:21:37.2	46.032N	16.006E	10	2.3	-	Croatia
20	15:24:45.1	46.029N	22.032E	3	1.6	-	Romania
23	3:46:49.7	46.482N	16.183E	10	1.4	-	Slovenia
23	10:34:20.0	45.545N	17.863E	25	1.6	-	Croatia
25	8:45:46.2	45.653N	17.279E	21	1.5	-	Croatia
26	7:25:15.4	45.648N	21.879E	16	2.4	-	Romania
26	7:35:18.2	45.598N	21.698E	21	0.8	-	Romania
26	10:47:26.1	46.167N	16.063E	5	2.1	-	Croatia
27	19:46:07.1	46.031N	22.064E	10	1.0	-	Romania
27	22:52:04.2	46.314N	16.079E	6	1.1	-	Croatia
29	22:34:01.8	45.799N	21.768E	4	0.6	-	Romania
30	11:10:35.5	46.009N	22.031E	10	1.5	-	Romania
31	0:53:20.9	45.953N	22.086E	8	1.4	-	Romania
31	7:13:28.7	45.823N	20.625E	12	1.9	-	Romania
31	10:26:13.3	46.086N	21.706E	13	1.9	-	Romania

NOVEMBER / NOVEMBER, 2024

01	20:34:21.7	47.779N	16.169E	10	0.5	-	Austria
02	1:56:17.1	45.721N	16.063E	12	1.9	-	Croatia
02	5:11:34.0	47.785N	16.126E	11	1.5	-	Austria
03	7:06:09.7	46.142N	16.176E	10	1.7	-	Croatia
03	11:59:36.7	47.831N	16.231E	1	0.6	-	Austria
03	14:32:48.4	45.727N	21.827E	9	0.3	-	Romania
04	17:20:55.6	45.938N	16.016E	7	1.4	-	Croatia
05	17:28:16.6	48.029N	20.233E	10	0.4	-	Szúcs
06	4:32:36.0	47.532N	18.468E	11	1.0	-	Szárliget
06	16:06:00.7	46.209N	16.624E	13	1.7	-	Croatia
08	8:12:57.0	45.915N	16.014E	10	1.8	-	Croatia
09	3:19:25.0	47.804N	16.127E	6	1.9	-	Austria
09	3:25:11.3	47.777N	16.116E	11	1.2	-	Austria
10	20:22:27.7	45.579N	21.848E	19	0.4	-	Romania
11	3:33:37.6	48.377N	22.171E	13	1.4	-	Tiszabездéd
12	0:47:46.7	45.713N	17.443E	10	1.8	-	Croatia
12	20:19:36.2	45.850N	20.668E	12	1.4	-	Romania
13	0:23:01.6	46.180N	16.668E	10	1.8	-	Croatia
13	9:51:29.1	45.826N	20.588E	10	2.2	-	Serbia
14	1:39:47.8	48.036N	17.157E	7	2.0	-	Slovakia
14	2:11:30.6	46.610N	21.653E	3	2.1	-	Romania
14	22:39:17.8	45.928N	16.237E	10	2.3	-	Croatia
15	0:07:50.6	45.698N	21.821E	10	2.1	-	Romania
15	22:44:52.1	47.271N	18.324E	3	0.4	-	Sárkeresztes
16	22:13:13.0	45.809N	16.918E	10	2.1	-	Croatia

## Hypocenter Parameters

## Földrengés paraméterek

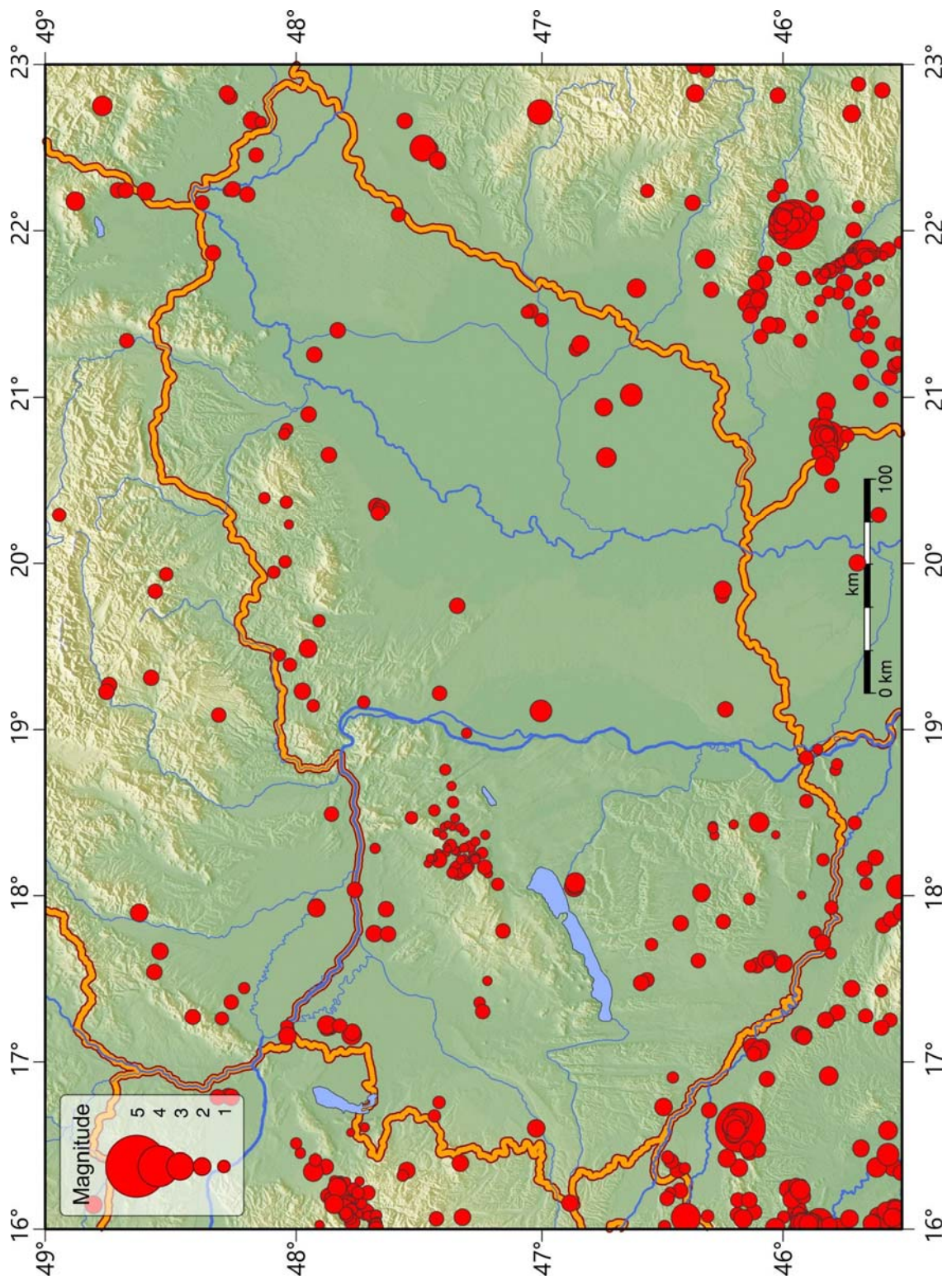
20	20:50:43.8	46.022N	21.428E	12	1.6	-	Romania
22	6:59:05.0	47.685N	17.775E	1	1.8	-	Györszentiván
23	4:05:12.0	45.517N	21.205E	16	1.1	-	Romania
25	18:13:12.8	48.024N	19.392E	7	1.3	-	Iliny
25	19:16:37.5	47.825N	16.271E	12	1.0	-	Austria
25	20:20:51.3	47.834N	16.249E	10	2.1	-	Austria
27	4:21:03.8	48.627N	17.898E	9	2.0	-	Slovakia
27	12:03:26.0	45.997N	21.830E	16	1.5	-	Romania
28	10:09:19.2	45.685N	22.144E	6	1.1	-	Romania
28	18:15:08.7	45.691N	21.370E	16	1.3	-	Romania
29	10:56:54.2	45.500N	17.907E	6	2.0	-	Croatia
29	21:02:55.1	47.234N	18.171E	12	1.5	-	Bakonykúti

## DECEMBER / DECEMBER, 2024

01	1:37:38.2	47.628N	17.771E	5	1.6	-	Töltéstava
01	5:32:21.8	48.178N	22.664E	10	1.9	-	Ukraine
01	6:09:32.1	47.868N	20.655E	7	1.7	-	Mezőnyárad
01	23:11:22.8	47.772N	16.041E	9	1.6	-	Austria
03	13:13:44.3	46.113N	21.685E	10	1.6	-	Romania
04	8:42:14.1	46.005N	22.088E	10	1.8	-	Romania
04	19:15:37.1	45.937N	22.104E	22	1.0	-	Romania
04	23:07:18.0	45.994N	22.074E	7	1.4	-	Romania
05	12:53:30.1	46.369N	22.991E	10	1.6	-	Romania
05	14:13:54.0	47.559N	22.661E	7	1.6	-	Romania
05	15:18:30.0	45.611N	21.854E	10	0.3	-	Romania
05	20:17:05.6	47.952N	19.487E	7	2.0	-	Herencsény
05	20:29:01.3	48.066N	19.448E	3	1.2	-	Csitár
05	23:17:22.7	45.933N	22.036E	22	1.5	-	Romania
06	0:21:08.1	45.959N	22.036E	22	1.4	-	Romania
06	9:55:33.4	48.161N	22.456E	10	1.4	-	Csaroda
06	15:52:23.0	48.140N	22.653E	16	0.8	-	Ukraine
06	21:46:33.2	47.781N	16.065E	10	1.0	-	Austria
07	0:23:10.6	47.419N	18.215E	10	1.6	-	Pusztavám
07	0:24:09.4	47.441N	18.223E	11	-0.1	-	Pusztavám
07	2:37:35.3	47.443N	18.227E	10	-0.2	-	Pusztavám
07	5:53:10.3	45.936N	16.038E	10	1.6	-	Croatia
07	9:10:11.6	45.836N	21.711E	1	1.2	-	Romania
07	18:43:17.8	47.457N	18.224E	1	0.2	-	Bokod
07	22:04:24.9	46.093N	21.363E	11	1.5	-	Romania
08	3:46:49.0	46.056N	21.432E	6	1.8	-	Romania
09	12:34:45.1	45.560N	16.446E	12	2.4	-	Croatia
10	3:58:56.3	45.687N	20.003E	14	1.8	-	Serbia
10	6:45:01.8	46.207N	16.617E	9	2.5	-	Croatia
12	1:31:15.6	45.824N	21.751E	12	0.7	-	Romania
12	4:40:01.8	45.673N	21.089E	14	1.7	-	Romania
12	4:43:08.0	45.645N	21.851E	14	0.4	-	Romania
14	0:08:44.2	45.996N	22.080E	10	1.6	-	Romania
15	21:41:40.6	47.908N	19.652E	6	1.1	-	Kozárd
17	5:20:09.8	45.661N	21.843E	13	1.5	-	Romania
17	14:12:03.1	45.693N	21.813E	13	1.8	-	Romania
17	16:25:03.4	45.636N	21.844E	12	0.5	-	Romania
17	17:39:18.9	45.825N	21.741E	10	0.5	-	Romania
17	19:28:52.2	45.648N	21.852E	15	0.4	-	Romania
17	20:53:15.4	45.715N	21.824E	10	1.4	-	Romania
19	4:31:50.9	45.540N	16.069E	10	2.1	-	Croatia
19	9:59:19.4	45.653N	21.854E	8	1.1	-	Romania
20	7:02:25.6	45.916N	16.034E	12	2.3	-	Croatia
21	23:14:23.9	45.619N	21.445E	10	1.2	-	Romania
23	5:51:06.3	46.745N	20.941E	15	1.9	-	Kamut
25	17:35:36.9	45.647N	21.841E	12	1.4	-	Romania

**Földrengés paraméterek****Hypocenter Parameters**

25	18:58:05.3	45.636N	21.852E	13	1.4	-	Romania
25	19:05:15.4	45.634N	21.849E	15	0.7	-	Romania
25	19:38:48.7	45.656N	21.838E	13	1.7	-	Romania
26	2:11:52.5	46.196N	16.595E	9	2.1	-	Croatia
26	4:51:32.0	45.894N	16.030E	13	2.1	-	Croatia
26	20:46:23.6	45.583N	22.845E	10	1.7	-	Romania
27	11:53:58.3	45.588N	17.206E	12	1.6	-	Croatia
28	11:12:41.2	48.945N	20.293E	5	1.3	-	Slovakia
28	11:50:28.1	47.796N	16.089E	11	1.4	-	Austria
28	14:36:46.6	47.799N	16.096E	12	1.2	-	Austria
29	21:54:23.5	46.030N	18.365E	19	0.1	-	Magyarsarlós
29	22:22:49.3	47.847N	16.148E	7	2.1	-	Austria
31	3:46:49.8	45.661N	21.851E	10	1.5	-	Romania
31	17:05:18.3	45.650N	21.838E	13	1.3	-	Romania









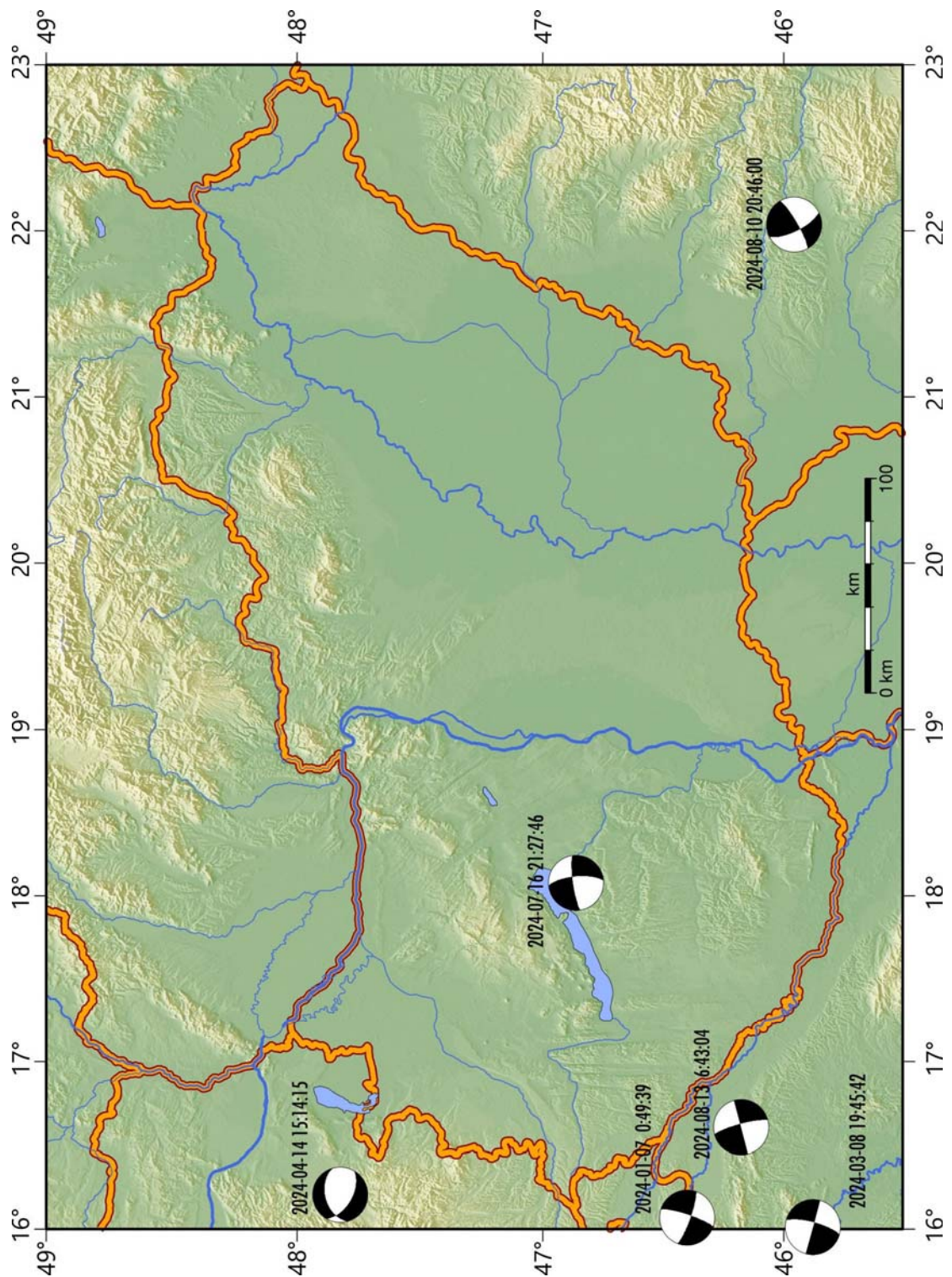
3.1. ábra A 2024-ben regisztrált földrengések epicentrumai

Figure 3.1. Epicenters of 2024 earthquakes



A 2024-ben regisztrált földrengések fészekmechanizmusai  
 Fault plane solutions of 2024 earthquakes

No.	Date	Time	Epicentre		1st nodal plane			P axis		T axis		
			Lat	Lon	strike	dip	rake	azim	plunge	azim	plunge	
1	2024.01.07	00:49:39	46.404	16.068	110	80	-170	334	14	64	0	
2	2024.03.08	19:45:42	45.878	16.011	15	75	0	331	11	239	11	
3	2024.04.14	15:14:15	47.825	16.206	120	55	-60	87	65	189	6	
4	2024.07.16	21:27:46	46.862	18.076	355	70	-170	217	21	310	7	
5	2024.08.10	20:46:00	45.957	22.038	60	80	160	108	7	15	21	
6	2024.08.13	06:43:04	46.179	16.608	75	90	10	210	7	300	7	



3.2. ábra A 2024-ben regisztrált földrengések fészekmechanizmusai

Figure 3.2. Fault plane solutions of 2024 earthquakes

## ROBBANTÁSOK LISTÁJA / LIST OF EXPLOSIONS

Nap	Kipattanási idő UTC óó pp mp	Földrajzi koordináták Lat Long	ML	I0	Helyszín
Day	Origin time UTC hr mn sec	Geographic coordinates Lat Long	ML	I0	Locality
JANUÁR / JANUARY, 2024					
02	9:37:41.0	48.606N 20.810E	1.3	-	Slovakia
03	12:57:42.2	47.855N 16.052E	1.4	-	Austria
04	9:01:28.3	48.583N 20.797E	1.4	-	Tornanádaska
05	9:03:08.7	48.597N 20.768E	1.5	-	Slovakia
08	11:00:21.1	48.149N 16.865E	1.8	-	Austria
09	9:36:02.5	48.617N 20.740E	1.3	-	Slovakia
09	10:11:59.4	46.153N 18.039E	1.5	-	Hetvehely
10	9:02:34.6	48.442N 20.680E	1.2	-	Varbóc
11	7:31:27.5	45.606N 18.177E	1.3	-	Croatia
11	9:06:47.3	48.427N 20.714E	1.0	-	Szalonna
11	10:27:55.7	47.205N 18.271E	0.8	-	Csór
11	10:35:28.4	47.872N 16.057E	1.2	-	Austria
11	10:54:12.2	48.539N 20.690E	1.2	-	Bódvaszilas
12	7:30:19.6	48.102N 20.656E	1.5	-	Bükkszentlászló
12	9:05:11.9	48.599N 20.790E	1.5	-	Slovakia
12	11:58:44.5	47.316N 16.383E	2.0	-	Austria
15	8:23:42.3	47.491N 18.700E	1.0	-	Herceghalom
15	9:16:08.4	47.806N 19.907E	2.0	-	Gyöngyössolyos
15	9:21:06.4	46.147N 17.993E	1.6	-	Hetvehely
15	9:42:13.2	48.753N 20.861E	1.9	-	Slovakia
16	7:30:09.2	47.958N 16.099E	1.0	-	Austria
16	8:03:45.9	45.628N 17.338E	1.5	-	Croatia
16	8:14:37.5	47.687N 18.568E	1.5	-	Nagysáp
16	12:43:39.7	47.320N 18.395E	2.1	-	Zámoly
17	9:25:49.0	46.875N 17.349E	1.7	-	Lesenceistvánd
17	9:33:14.3	46.902N 17.243E	2.1	-	Zalaszántó
17	9:58:38.6	48.595N 20.745E	1.5	-	Slovakia
17	13:47:53.3	48.590N 20.763E	1.8	-	Slovakia
18	9:19:34.8	46.256N 18.208E	1.5	-	Kisvaszar
18	9:48:11.4	48.522N 20.788E	1.2	-	Tornaszentandrás
19	7:53:58.3	48.081N 20.721E	1.3	-	Miskolctapolca
19	8:40:20.5	47.660N 18.437E	1.8	-	Tardosbánya
19	9:40:26.8	48.488N 20.766E	1.5	-	Martonyi
19	14:52:15.2	47.353N 18.407E	1.9	-	Gánt
22	9:23:33.0	48.862N 21.055E	1.8	-	Slovakia
22	10:50:56.3	47.841N 19.109E	2.0	-	Szendehely
23	10:25:44.8	47.215N 18.283E	1.3	-	Iszkaszentgyörgy
23	10:32:40.7	48.589N 20.756E	1.6	-	Slovakia
23	10:59:46.9	48.179N 16.867E	1.9	-	Austria
23	12:58:43.8	46.132N 18.052E	1.3	-	Hetvehely
23	13:22:39.4	48.679N 22.358E	1.8	-	Ukraine
24	8:05:53.6	48.065N 20.678E	1.5	-	Bükkszentlászló
24	8:30:07.1	46.878N 17.486E	1.5	-	Diszel
24	9:13:27.4	48.028N 20.347E	1.5	-	Mónosbél
24	10:42:16.6	47.254N 18.272E	0.9	-	Iszkaszentgyörgy
24	12:06:31.3	47.361N 16.410E	1.6	-	Austria

**Hypocenter Parameters**

**Földrengés paraméterek**

25	10:14:36.7	48.355N	19.889E	2.0	-	Slovakia
25	11:31:14.8	47.888N	19.117E	1.6	-	Berkenye
25	12:47:41.5	48.220N	21.231E	2.1	-	Rátka
25	13:02:48.9	46.323N	22.983E	1.8	-	Romania
26	8:32:33.8	48.425N	17.222E	2.0	-	Slovakia
26	8:54:55.9	48.048N	20.710E	1.3	-	Miskolctapolca
26	9:54:14.8	48.533N	20.752E	1.5	-	Bódvaszilas
27	10:24:18.5	48.674N	20.796E	1.8	-	Slovakia
27	14:33:55.1	48.570N	22.841E	2.2	-	Ukraine
29	9:16:31.5	47.513N	18.712E	1.4	-	Herceghalom
29	10:02:27.8	48.632N	21.408E	1.8	-	Slovakia
29	10:10:08.2	48.574N	20.747E	1.7	-	Tornanádaska
29	10:52:27.3	46.125N	18.096E	1.5	-	Abaliget
29	13:59:38.0	48.089N	16.961E	2.0	-	Austria
30	9:43:19.1	48.518N	17.479E	1.8	-	Slovakia
30	10:14:20.1	48.600N	20.768E	1.8	-	Slovakia
30	10:20:27.9	47.104N	17.936E	1.3	-	Kádárta
30	11:21:14.6	47.546N	18.677E	1.6	-	Mány
30	11:34:15.5	47.314N	18.494E	1.5	-	Lovasberény
30	11:51:56.3	47.868N	20.138E	1.8	-	Tarnaszentmária
30	11:59:18.3	48.549N	20.844E	1.4	-	Hidvégdárdó
30	14:39:26.5	47.926N	16.108E	1.3	-	Austria
31	11:10:27.8	47.195N	18.295E	0.8	-	Székesfehérvár
31	12:13:07.0	47.903N	16.108E	1.3	-	Austria

**FEBRUÁR / FEBRUARY, 2024**

01	8:56:31.1	48.880N	21.092E	1.7	-	Slovakia
01	9:25:20.4	48.605N	21.309E	1.9	-	Slovakia
01	9:53:34.5	48.571N	20.774E	1.5	-	Tornanádaska
01	12:27:16.1	48.092N	20.330E	1.5	-	Balaton
01	12:36:45.3	48.999N	19.317E	1.9	-	Slovakia
02	7:21:26.4	47.960N	16.082E	1.4	-	Austria
02	8:08:49.8	48.032N	20.329E	1.4	-	Mónosbél
02	9:35:56.7	47.346N	17.702E	1.6	-	Bakonyszűcs
02	9:45:33.4	48.587N	20.807E	1.5	-	Slovakia
05	9:12:47.9	48.611N	20.787E	1.4	-	Slovakia
05	9:42:45.7	47.339N	17.632E	1.9	-	Csót
05	13:44:44.9	46.077N	18.147E	1.3	-	Cserkút
06	8:42:43.5	48.510N	20.764E	1.5	-	Bódvarákó
06	9:10:08.1	45.639N	17.281E	1.8	-	Croatia
06	10:10:58.3	47.202N	18.293E	1.2	-	Székesfehérvár
06	10:41:52.9	47.322N	18.452E	1.6	-	Pátka
06	11:00:00.5	48.153N	16.888E	1.9	-	Austria
07	8:50:42.6	48.599N	20.801E	1.6	-	Slovakia
07	10:34:45.7	48.552N	19.416E	1.8	-	Slovakia
07	10:59:59.8	48.097N	16.836E	1.5	-	Austria
08	8:25:24.0	48.135N	16.185E	1.4	-	Austria
08	8:35:00.8	47.835N	19.201E	2.1	-	Keszeg
08	9:41:06.7	47.938N	16.018E	1.5	-	Austria
08	9:44:49.3	46.831N	17.401E	1.6	-	Hegymagas
08	10:43:20.8	48.826N	21.660E	1.8	-	Slovakia
09	8:46:26.0	48.071N	20.720E	1.2	-	Miskolctapolca
09	9:09:39.9	48.428N	17.186E	2.0	-	Slovakia
09	9:54:56.0	48.606N	20.770E	1.4	-	Slovakia
09	10:58:38.4	48.605N	21.294E	1.3	-	Slovakia
12	8:36:56.8	48.885N	21.034E	1.7	-	Slovakia
12	8:57:40.2	47.059N	18.047E	1.3	-	Balatonfűzfő
13	7:57:40.7	48.070N	20.695E	1.4	-	Miskolctapolca
13	8:39:43.6	47.197N	18.281E	0.5	-	Csór
13	9:28:06.8	46.140N	18.027E	1.5	-	Hetvehely

**Földrengés paraméterek**

**Hypocenter Parameters**

13	10:17:21.7	47.568N	18.477E	1.2	-	Tatabánya
13	10:48:06.3	47.219N	18.257E	0.4	-	Iszkaszentgyörgy
13	10:49:16.3	47.839N	16.000E	1.4	-	Austria
14	10:05:31.9	47.930N	16.066E	1.0	-	Austria
14	10:08:53.2	48.630N	21.315E	1.4	-	Slovakia
14	10:13:12.3	48.308N	19.881E	1.7	-	Slovakia
14	10:25:01.0	47.195N	18.296E	0.8	-	Székesfehérvár
14	10:42:38.7	48.552N	17.400E	1.0	-	Slovakia
14	11:00:25.3	48.142N	16.878E	1.6	-	Austria
14	11:06:13.3	46.830N	22.867E	1.7	-	Romania
14	11:19:42.9	47.315N	18.462E	1.7	-	Pátka
14	12:21:28.2	47.905N	20.179E	1.6	-	Sirok
15	8:05:58.0	48.473N	21.728E	1.7	-	Slovakia
15	11:50:35.3	48.823N	21.157E	1.6	-	Slovakia
15	13:30:03.1	47.319N	16.342E	1.9	-	Austria
16	8:11:06.4	48.671N	19.069E	1.7	-	Slovakia
16	9:25:45.0	48.565N	20.795E	1.5	-	Tornanádaska
16	9:51:59.0	46.862N	17.309E	2.1	-	Várvölgy
16	12:19:54.3	48.642N	20.850E	1.2	-	Slovakia
17	9:42:46.7	46.146N	18.311E	1.3	-	Vasas
19	8:40:20.0	47.824N	19.929E	1.9	-	Gyöngyössolymos
19	8:45:29.3	46.127N	18.036E	1.4	-	Hetvehely
19	10:06:10.1	47.618N	18.698E	1.4	-	Máriaalom
19	11:00:24.7	48.101N	16.903E	1.8	-	Austria
19	13:25:07.6	47.336N	17.630E	1.5	-	Béb
20	9:00:33.3	47.612N	18.424E	1.8	-	Vértesszőlős
20	9:31:41.2	48.507N	17.495E	1.7	-	Slovakia
20	9:45:38.6	46.052N	22.759E	1.8	-	Romania
20	9:54:25.8	45.752N	22.838E	1.4	-	Romania
20	10:01:41.7	47.319N	18.438E	1.3	-	Zámoly
20	10:13:51.9	48.687N	22.433E	1.8	-	Ukraine
20	11:06:40.6	48.671N	20.811E	1.5	-	Slovakia
20	12:41:06.6	47.321N	18.483E	1.4	-	Lovasberény
21	8:08:04.1	48.123N	20.725E	1.3	-	Miskolc
21	8:58:12.9	47.873N	16.066E	1.3	-	Austria
21	9:33:03.9	48.433N	17.228E	2.0	-	Slovakia
21	9:35:50.2	48.576N	20.794E	1.5	-	Tornanádaska
21	10:18:29.8	48.839N	21.606E	1.8	-	Slovakia
21	11:23:46.8	47.575N	18.672E	1.2	-	Szomor
21	11:48:37.6	47.236N	18.264E	0.6	-	Iszkaszentgyörgy
21	11:52:56.5	47.193N	18.319E	1.0	-	Székesfehérvár
21	12:01:31.0	47.996N	16.195E	0.9	-	Austria
22	9:32:14.8	48.473N	19.491E	1.7	-	Slovakia
22	10:54:22.9	48.617N	20.806E	1.6	-	Slovakia
22	10:59:58.2	48.116N	16.921E	1.9	-	Austria
22	11:18:46.5	47.586N	16.326E	1.5	-	Austria
22	13:55:22.0	48.563N	22.945E	2.3	-	Ukraine
22	14:22:06.0	48.545N	17.585E	2.0	-	Slovakia
22	14:38:48.0	47.057N	19.484E	1.8	-	Felsőlajos
22	15:02:29.8	48.244N	21.265E	2.2	-	Tállya
24	9:53:32.5	46.193N	18.275E	1.0	-	Komló
26	9:17:41.3	48.561N	20.756E	1.5	-	Komjáti
26	10:04:05.8	46.138N	18.039E	1.2	-	Hetvehely
26	11:41:15.3	48.544N	17.417E	1.3	-	Slovakia
26	11:47:54.9	48.625N	21.371E	1.5	-	Slovakia
26	11:51:02.4	48.576N	21.382E	1.6	-	Slovakia
27	9:43:39.7	48.601N	20.788E	1.4	-	Slovakia
27	9:55:32.4	47.320N	18.439E	1.6	-	Zámoly
27	10:00:24.7	47.135N	17.928E	1.4	-	Gyulafirátót
27	10:10:10.9	47.325N	18.427E	1.5	-	Zámoly

**Hypocenter Parameters**

**Földrengés paraméterek**

27	10:19:39.0	47.822N	20.031E	1.8	-	Markaz
27	11:00:04.0	48.171N	16.872E	1.9	-	Austria
27	11:07:25.7	48.485N	21.690E	1.7	-	Slovakia
27	11:46:52.5	47.211N	18.269E	0.7	-	Iszkaszentgyörgy
28	8:15:40.9	46.039N	22.847E	1.7	-	Romania
28	11:03:12.1	48.599N	20.683E	1.3	-	Slovakia
28	11:34:27.0	46.049N	22.805E	1.7	-	Romania
28	12:39:08.8	47.883N	16.044E	1.3	-	Austria
29	9:17:04.8	46.133N	18.049E	1.1	-	Hetvehely
29	9:19:09.0	46.112N	18.074E	1.1	-	Kóvágótóttós
29	9:39:07.2	48.603N	21.406E	1.7	-	Slovakia
29	9:59:38.8	47.222N	18.277E	0.9	-	Iszkaszentgyörgy
29	11:06:07.3	47.209N	18.207E	1.5	-	Csór
29	11:37:27.2	48.806N	21.615E	2.1	-	Slovakia
29	13:55:32.4	47.865N	16.058E	1.5	-	Austria
29	14:09:39.2	47.885N	16.078E	1.2	-	Austria
29	14:12:51.1	48.899N	20.750E	1.7	-	Slovakia

**MÁRCIUS / MARCH, 2024**

01	6:20:03.3	47.273N	18.378E	1.4	-	Sárkeresztes
01	7:01:06.8	47.301N	18.323E	1.2	-	Magyaralmás
01	8:05:18.5	48.039N	20.671E	1.6	-	Kisgyőr
01	8:41:50.2	48.503N	17.491E	1.9	-	Slovakia
01	8:58:40.0	47.825N	19.946E	1.4	-	Mátrafüred
01	10:22:09.6	48.435N	17.202E	2.1	-	Slovakia
01	11:02:15.4	47.579N	18.515E	1.5	-	Tarján
01	13:46:42.4	45.906N	16.009E	2.0	-	Croatia
01	16:26:36.1	48.342N	18.146E	2.3	-	Slovakia
02	9:39:59.1	46.180N	18.302E	1.1	-	Zobákpuszta
04	8:35:04.2	47.871N	19.115E	1.6	-	Szendehely
04	8:52:43.0	48.463N	17.403E	1.7	-	Slovakia
04	9:08:09.0	48.671N	19.087E	1.7	-	Slovakia
04	9:17:09.3	48.574N	20.760E	1.6	-	Tornanádaska
04	10:06:04.5	48.552N	19.276E	1.7	-	Slovakia
04	10:32:51.9	48.639N	19.131E	1.8	-	Slovakia
05	7:49:31.0	48.415N	21.500E	1.3	-	Nagyhuta
05	8:04:38.7	45.991N	22.778E	1.8	-	Romania
05	8:37:55.7	48.689N	20.752E	1.3	-	Slovakia
05	8:57:08.0	48.556N	20.761E	1.5	-	Komjáti
05	9:07:58.3	47.803N	19.144E	1.5	-	Vác
05	9:27:30.6	47.321N	18.433E	1.9	-	Zámoly
05	10:37:13.1	47.175N	18.264E	1.1	-	Sárkeszi
05	10:47:25.2	48.672N	21.482E	1.7	-	Slovakia
05	11:15:00.8	48.117N	16.914E	1.9	-	Austria
05	12:01:04.0	48.650N	20.166E	1.2	-	Slovakia
05	13:37:39.4	47.877N	16.094E	0.6	-	Austria
06	8:17:50.4	48.618N	20.772E	1.5	-	Slovakia
06	9:30:28.7	46.821N	17.337E	2.0	-	Lesencefalu
06	9:57:01.2	48.583N	17.528E	1.7	-	Slovakia
07	7:43:30.7	48.054N	20.733E	1.2	-	Miskolctapolca
07	8:45:52.1	48.578N	20.778E	1.6	-	Tornanádaska
07	9:09:33.6	48.692N	21.453E	1.7	-	Slovakia
07	9:30:06.2	48.510N	17.499E	1.5	-	Slovakia
07	10:26:37.2	47.168N	18.338E	0.9	-	Sárszentmihály
07	11:21:56.3	46.102N	21.730E	1.9	-	Romania
07	11:56:12.2	47.326N	17.647E	1.7	-	Bakonykoppány
08	9:17:14.4	48.398N	19.548E	1.5	-	Slovakia
08	9:22:45.7	48.679N	18.659E	1.9	-	Slovakia
11	7:33:43.6	48.058N	20.707E	1.3	-	Miskolctapolca
11	8:50:36.4	48.632N	21.451E	1.7	-	Slovakia

**Földrengés paraméterek**
**Hypocenter Parameters**

11	9:30:36.0	48.518N	17.483E	1.7	-	Slovakia
11	10:15:45.0	48.926N	21.317E	1.6	-	Slovakia
11	12:52:55.1	48.361N	17.353E	1.9	-	Slovakia
12	8:31:17.6	48.530N	17.460E	1.6	-	Slovakia
12	9:30:40.0	46.196N	18.277E	1.1	-	Komló
12	9:38:12.6	46.071N	22.854E	1.6	-	Romania
12	9:39:59.4	46.036N	22.839E	1.6	-	Romania
12	9:53:34.6	48.600N	20.771E	1.6	-	Slovakia
12	10:09:53.2	45.887N	18.392E	1.0	-	Palkonya
12	10:27:14.4	47.178N	18.299E	0.8	-	Sárkeszi
12	10:59:57.4	48.183N	16.829E	1.9	-	Austria
12	12:31:34.2	46.756N	22.900E	1.4	-	Romania
12	12:35:04.9	47.343N	18.403E	2.1	-	Zámoly
13	7:15:17.7	45.636N	17.299E	1.7	-	Croatia
13	8:10:38.2	47.952N	20.032E	1.8	-	Bodony
13	8:36:29.0	48.873N	21.096E	1.2	-	Slovakia
13	8:46:27.3	48.602N	20.793E	1.5	-	Slovakia
13	9:15:21.6	48.384N	19.096E	1.6	-	Slovakia
13	10:18:29.7	48.526N	20.859E	1.5	-	Tornaszentjakab
13	10:57:24.8	48.347N	19.818E	1.8	-	Slovakia
13	11:10:01.3	48.634N	21.340E	1.2	-	Slovakia
13	13:14:60.0	47.888N	16.071E	1.0	-	Austria
14	7:41:40.0	47.957N	16.055E	1.5	-	Austria
14	10:10:54.7	48.779N	21.237E	1.5	-	Slovakia
14	12:17:05.5	47.852N	16.036E	1.3	-	Austria
14	13:42:58.5	48.508N	22.743E	1.9	-	Ukraine
14	14:16:20.1	48.440N	17.080E	1.7	-	Slovakia
14	14:16:54.8	48.447N	17.080E	1.8	-	Slovakia
14	14:17:27.1	48.437N	17.049E	1.7	-	Slovakia
14	14:18:26.8	48.446N	17.092E	1.7	-	Slovakia
14	14:19:02.9	48.449N	17.072E	1.8	-	Slovakia
14	14:19:23.5	48.454N	17.055E	1.7	-	Slovakia
15	9:28:11.0	48.504N	17.487E	1.6	-	Slovakia
15	9:54:48.8	48.593N	20.788E	1.5	-	Slovakia
15	15:28:08.2	45.534N	17.794E	1.5	-	Croatia
18	8:50:49.7	48.087N	20.699E	1.4	-	Miskolctapolca
18	9:36:37.8	47.831N	16.017E	1.2	-	Austria
18	9:40:08.8	48.613N	21.355E	1.9	-	Slovakia
18	9:46:44.6	48.495N	17.475E	1.4	-	Slovakia
18	9:48:36.8	48.608N	20.774E	1.4	-	Slovakia
18	11:00:15.1	48.153N	16.893E	1.9	-	Austria
18	11:10:08.8	47.956N	18.770E	1.7	-	Vámosmikola
18	11:11:50.4	47.864N	18.790E	1.8	-	Letkes
18	12:59:58.6	47.970N	16.023E	1.9	-	Austria
18	13:49:43.6	48.570N	20.825E	1.6	-	Hidvégdó
19	8:11:42.1	48.941N	21.269E	1.3	-	Slovakia
19	8:43:49.4	48.532N	17.477E	1.5	-	Slovakia
19	8:51:12.1	47.189N	18.292E	1.1	-	Sárkeszi
19	9:21:34.2	47.312N	18.417E	1.8	-	Zámoly
19	9:49:50.4	48.583N	20.759E	1.5	-	Slovakia
19	9:54:46.2	48.080N	21.383E	1.4	-	Tiszaladány
19	10:24:58.7	47.857N	19.112E	1.7	-	Szendehely
19	10:25:38.2	47.258N	18.237E	0.8	-	Kincsesbánya
20	8:36:37.6	48.885N	21.015E	1.3	-	Slovakia
20	8:57:41.4	48.492N	19.335E	1.8	-	Slovakia
20	9:13:23.7	48.644N	20.784E	1.6	-	Slovakia
20	9:53:19.8	48.697N	19.945E	1.4	-	Slovakia
20	10:19:00.7	46.866N	17.288E	1.8	-	Várköly
20	10:47:46.9	46.031N	22.814E	1.7	-	Romania
20	11:03:57.1	45.989N	22.815E	1.6	-	Romania

**Hypocenter Parameters**

**Földrengés paraméterek**

20	12:23:53.2	47.858N	16.056E	1.3	-	Austria
20	13:01:31.9	47.630N	16.316E	1.8	-	Austria
21	8:12:41.8	47.908N	19.418E	1.9	-	Szanda
21	8:17:13.6	47.425N	18.705E	1.4	-	Etyek
21	8:30:20.0	48.717N	18.453E	1.9	-	Slovakia
21	8:52:19.8	48.598N	20.784E	1.7	-	Slovakia
21	9:19:57.7	46.057N	22.078E	1.4	-	Romania
21	9:45:23.9	47.968N	16.117E	1.5	-	Austria
21	9:53:36.8	48.436N	17.203E	2.1	-	Slovakia
21	10:00:08.0	47.236N	18.291E	1.0	-	Moha
21	12:15:04.9	47.863N	16.053E	1.3	-	Austria
22	8:09:21.8	47.807N	19.964E	1.8	-	Gyöngyössolymos
22	9:01:54.1	48.338N	19.893E	1.9	-	Slovakia
22	9:46:38.8	48.451N	17.176E	1.5	-	Slovakia
25	7:56:31.3	47.978N	20.351E	1.4	-	Szarvaskő
25	8:29:11.9	47.880N	20.130E	1.5	-	Tarnaszentmária
25	9:18:56.7	48.850N	21.092E	1.5	-	Slovakia
25	9:44:50.3	48.665N	20.777E	1.5	-	Slovakia
25	10:34:30.6	48.867N	21.547E	1.6	-	Slovakia
25	10:35:39.4	48.363N	19.789E	1.9	-	Slovakia
25	11:05:17.9	47.579N	18.444E	1.3	-	Tatabánya
25	12:44:55.8	47.342N	16.338E	2.0	-	Austria
26	8:40:14.8	48.182N	16.934E	1.9	-	Austria
26	9:07:09.0	48.588N	20.803E	1.5	-	Slovakia
26	9:55:09.5	46.030N	22.816E	1.9	-	Romania
26	10:41:43.6	47.209N	18.252E	1.1	-	Csőr
26	11:49:18.8	48.592N	20.805E	1.3	-	Slovakia
26	11:53:25.2	47.322N	18.455E	1.8	-	Pátka
26	12:07:58.7	47.323N	18.483E	1.8	-	Lovasberény
26	12:38:15.6	47.555N	16.328E	1.0	-	Austria
27	9:23:33.6	48.551N	19.372E	1.8	-	Slovakia
27	14:04:21.7	48.192N	21.250E	2.0	-	Mád
28	8:36:29.8	48.674N	19.689E	1.6	-	Slovakia
28	9:33:58.7	46.191N	18.263E	1.1	-	Komló
28	10:00:53.2	47.080N	18.026E	1.6	-	Litér
28	10:07:06.7	48.958N	21.266E	1.9	-	Slovakia
28	11:21:34.1	47.177N	18.329E	0.7	-	Székesfehérvár
28	14:06:18.6	47.852N	16.024E	1.3	-	Austria

**ÁPRILIS / APRIL, 2024**

02	6:21:56.4	47.970N	16.095E	1.5	-	Austria
02	7:58:35.4	47.826N	19.156E	1.9	-	Kosd
02	8:12:42.5	48.649N	19.020E	1.9	-	Slovakia
02	13:31:35.9	47.093N	19.365E	2.0	-	Tatárszentgyörgy
03	7:10:06.6	48.426N	17.280E	2.0	-	Slovakia
03	7:36:27.4	48.370N	17.354E	1.9	-	Slovakia
03	7:51:41.5	48.581N	20.784E	1.4	-	Tornanádaska
03	8:24:47.1	46.852N	17.267E	1.7	-	Vállus
03	8:32:06.5	46.881N	17.254E	1.9	-	Zalaszántó
03	9:57:21.4	47.834N	16.006E	1.3	-	Austria
03	10:03:54.6	47.313N	18.463E	1.6	-	Pátka
03	12:44:27.4	45.659N	17.257E	1.5	-	Croatia
03	13:55:24.4	47.089N	19.380E	2.0	-	Tatárszentgyörgy
04	6:53:54.1	48.533N	17.465E	1.9	-	Slovakia
04	7:07:47.8	48.099N	21.367E	1.6	-	Tokaj
04	7:56:36.7	48.596N	20.799E	1.5	-	Slovakia
04	9:45:44.5	47.603N	18.334E	1.5	-	Vértesszőlős
04	10:07:42.0	47.205N	18.289E	0.7	-	Iszkaszentgyörgy
04	10:09:31.8	47.180N	18.317E	0.7	-	Székesfehérvár
04	13:09:32.8	47.084N	19.387E	2.0	-	Tatárszentgyörgy



## Földrengés paraméterek

## Hypocenter Parameters

04	13:35:11.9	47.885N	16.051E	1.2	-	Austria
04	16:40:02.5	47.496N	16.319E	0.7	-	Austria
05	7:12:16.7	48.520N	20.758E	1.3	-	Tornaszentandrás
05	10:21:29.6	47.886N	19.172E	1.8	-	Felsőpetény
05	10:28:54.3	47.312N	18.478E	1.8	-	Pátka
08	7:35:55.5	48.065N	20.659E	1.5	-	Bükkszentlászló
08	8:28:01.2	48.527N	17.467E	1.6	-	Slovakia
08	12:21:45.8	48.578N	17.607E	2.0	-	Slovakia
08	14:39:42.8	47.065N	19.445E	1.8	-	Ladánybene
08	14:53:45.9	47.086N	19.404E	2.0	-	Tatárszentgyörgy
08	15:23:16.2	47.560N	16.300E	2.1	-	Austria
09	6:28:55.2	47.950N	16.059E	1.8	-	Austria
09	7:14:24.0	48.081N	19.772E	2.0	-	Vizslás
09	7:44:02.8	47.318N	18.440E	1.4	-	Zámoly
09	8:35:24.0	47.092N	18.044E	1.2	-	Királyszentistván
09	9:19:45.4	48.639N	20.801E	1.4	-	Slovakia
09	10:00:04.0	48.151N	16.877E	2.0	-	Austria
09	10:31:48.1	47.207N	18.273E	0.8	-	Csór
09	10:35:27.9	47.254N	18.245E	0.9	-	Kincsesbánya
09	13:26:21.1	47.095N	19.377E	2.0	-	Tatárszentgyörgy
09	13:32:02.3	47.552N	16.354E	1.3	-	Austria
10	8:17:48.9	45.983N	22.803E	1.7	-	Romania
10	8:22:23.7	46.848N	17.276E	2.1	-	Vállus
10	9:11:05.1	48.597N	20.771E	1.6	-	Slovakia
10	9:55:21.5	48.918N	21.036E	2.0	-	Slovakia
10	13:24:40.3	47.138N	19.348E	1.7	-	Örkény
10	13:40:39.3	47.099N	19.388E	1.7	-	Tatárszentgyörgy
10	13:57:17.0	47.091N	19.349E	1.7	-	Tatárszentgyörgy
11	7:17:54.7	48.061N	20.671E	1.3	-	Bükkszentlászló
11	8:04:39.2	48.380N	17.189E	2.2	-	Slovakia
11	8:22:38.1	48.871N	21.324E	1.8	-	Slovakia
11	8:36:28.5	46.066N	18.338E	1.0	-	Bogád
11	9:19:38.2	48.543N	20.743E	1.6	-	Komjáti
11	10:07:33.2	48.786N	21.595E	1.8	-	Slovakia
11	16:08:33.1	47.081N	19.399E	1.9	-	Tatárszentgyörgy
12	8:29:08.1	48.827N	21.626E	1.9	-	Slovakia
12	9:20:59.3	48.938N	20.124E	1.5	-	Slovakia
15	7:14:33.7	47.292N	17.935E	0.6	-	Nagyesztergár
15	9:17:09.3	48.565N	20.824E	1.5	-	Hidvégdárdó
15	9:57:58.9	47.859N	18.901E	1.8	-	Márianosztra
15	10:34:24.2	47.592N	18.446E	1.3	-	Tatabánya
15	11:40:46.7	48.441N	20.796E	1.2	-	Meszes
15	13:31:26.1	46.315N	22.969E	1.7	-	Romania
15	13:39:33.2	47.871N	16.050E	1.4	-	Austria
16	7:06:01.2	47.866N	20.170E	1.8	-	Tarnaszentmária
16	8:00:29.8	48.534N	20.730E	1.6	-	Bódvaszilas
16	8:08:41.0	48.578N	20.766E	1.5	-	Tornanádaska
16	9:04:13.8	47.743N	18.661E	2.0	-	Tát
16	9:22:03.4	47.879N	16.063E	1.4	-	Austria
16	11:14:27.4	47.180N	16.053E	1.5	-	Austria
16	13:14:41.7	47.942N	16.064E	1.6	-	Austria
17	8:08:41.3	48.352N	19.816E	1.5	-	Slovakia
17	8:47:54.6	46.874N	17.314E	2.1	-	Várkölygy
17	9:21:09.1	46.036N	22.836E	1.4	-	Romania
17	9:32:18.7	47.495N	18.652E	1.2	-	Bicske
17	9:47:55.5	45.933N	22.392E	1.4	-	Romania
17	10:00:19.7	48.161N	16.854E	1.8	-	Austria
17	10:10:13.6	47.196N	18.306E	1.0	-	Székesfehérvár
17	11:19:10.5	47.844N	16.118E	1.6	-	Austria
18	6:23:09.0	47.970N	16.085E	1.0	-	Austria

**Hypocenter Parameters**

**Földrengés paraméterek**

18	6:39:14.1	48.095N	20.665E	1.1	-	Bükkszentlászló
18	8:19:09.8	46.114N	21.734E	1.7	-	Romania
18	9:00:10.2	47.201N	18.302E	1.0	-	Székesfehérvár
18	9:02:21.0	47.322N	18.482E	1.4	-	Lovasberény
18	9:05:49.3	47.930N	19.360E	2.0	-	Szécsénke
18	10:37:00.5	47.311N	18.448E	1.8	-	Pátka
19	6:24:02.1	46.120N	18.097E	1.1	-	Abaliget
19	6:51:40.1	47.293N	18.341E	1.3	-	Magyaralmás
19	7:51:05.8	48.653N	21.127E	1.4	-	Slovakia
19	8:24:34.7	48.788N	21.598E	1.7	-	Slovakia
19	8:33:33.1	48.644N	20.835E	1.5	-	Slovakia
19	10:26:54.9	48.552N	19.353E	1.8	-	Slovakia
22	6:39:48.8	48.435N	19.497E	1.5	-	Slovakia
22	11:21:39.2	48.600N	21.414E	1.9	-	Slovakia
22	12:34:04.2	47.579N	16.321E	1.6	-	Austria
23	9:06:42.2	46.174N	18.294E	1.0	-	Zobákpuszta
23	9:50:49.2	47.240N	18.253E	0.7	-	Izszakszentgyörgy
23	9:55:09.9	48.478N	17.782E	2.0	-	Slovakia
23	11:45:42.5	48.525N	19.938E	1.5	-	Slovakia
24	7:23:43.3	48.884N	20.847E	1.4	-	Slovakia
24	8:27:37.0	47.830N	19.110E	1.4	-	Szendehely
24	8:43:21.1	47.076N	18.046E	1.0	-	Papkeszi
25	6:14:56.6	47.964N	16.093E	0.9	-	Austria
25	6:37:11.3	47.957N	16.054E	1.0	-	Austria
25	7:08:10.5	48.034N	20.711E	1.3	-	Kisgyőr
25	7:38:48.9	48.500N	20.848E	1.3	-	Debréte
25	9:02:03.8	47.315N	18.486E	1.7	-	Pátka
25	9:04:55.4	46.856N	17.243E	2.0	-	Rezi
25	9:07:53.9	47.966N	16.049E	1.5	-	Austria
25	9:29:45.8	48.890N	20.503E	1.8	-	Slovakia
25	9:47:05.5	48.596N	20.727E	1.4	-	Slovakia
25	10:09:33.8	48.670N	21.478E	1.3	-	Slovakia
25	10:30:54.4	47.259N	18.233E	0.6	-	Kincsesbánya
25	11:38:56.6	48.028N	16.135E	0.9	-	Austria
25	16:39:08.9	48.234N	21.270E	2.0	-	Tállya
26	8:32:41.1	48.978N	19.307E	1.6	-	Slovakia
26	8:44:29.7	48.742N	20.816E	1.3	-	Slovakia
26	9:24:09.9	48.549N	20.758E	0.7	-	Komjáti
26	10:59:14.5	47.328N	17.623E	1.4	-	Ugod
27	9:21:31.4	46.159N	18.316E	1.1	-	Zobákpuszta
29	7:32:12.5	48.257N	21.492E	1.6	-	Sárazsadány
29	7:43:21.6	47.878N	20.203E	1.7	-	Tarnaszentmária
29	7:48:59.9	48.735N	20.845E	1.4	-	Slovakia
29	8:58:23.2	46.116N	21.781E	1.6	-	Romania
29	10:03:08.4	48.573N	20.850E	1.4	-	Hidvégdárdó
29	10:27:12.6	48.628N	19.031E	1.9	-	Slovakia
30	8:32:34.2	48.331N	19.920E	1.4	-	Slovakia
30	8:56:12.8	48.428N	17.170E	1.9	-	Slovakia
30	8:57:18.3	47.815N	19.856E	1.4	-	Gyöngyöstarján
30	9:08:39.4	48.693N	19.983E	1.3	-	Slovakia
30	9:12:56.0	48.703N	19.964E	1.2	-	Slovakia
30	9:41:59.0	47.186N	18.299E	0.7	-	Sárkeszi
30	11:34:43.3	46.127N	18.021E	1.4	-	Hetvehely

**MÁJUS / MAY, 2024**

02	7:29:36.3	46.060N	22.874E	1.5	-	Romania
02	7:36:43.2	46.039N	22.868E	1.7	-	Romania
02	8:12:18.6	48.518N	19.435E	1.5	-	Slovakia
02	8:41:39.4	47.977N	20.254E	1.3	-	Bátor
02	8:55:45.5	46.018N	22.799E	1.5	-	Romania

**Földrengés paraméterek**

**Hypocenter Parameters**

02	10:19:44.3	47.095N	17.766E	1.2	-	Szentgál
02	10:20:25.7	47.317N	18.471E	1.6	-	Pátka
02	13:03:23.8	47.543N	18.576E	1.4	-	Nagyegyháza
03	8:41:42.0	47.210N	18.282E	0.9	-	Iszkaszentgyörgy
03	9:58:28.6	48.810N	21.618E	1.8	-	Slovakia
06	9:39:14.6	48.551N	20.754E	1.3	-	Komjáti
06	15:11:14.3	48.915N	22.157E	2.1	-	Slovakia
07	6:07:58.6	47.880N	16.165E	1.4	-	Austria
07	7:29:10.8	48.572N	21.363E	1.5	-	Slovakia
07	8:47:16.9	47.325N	18.456E	1.4	-	Pátka
07	9:00:25.5	48.979N	20.260E	1.2	-	Slovakia
07	9:22:47.3	48.653N	20.764E	1.2	-	Slovakia
07	9:31:02.7	47.208N	18.265E	0.9	-	Csór
07	9:31:39.0	47.203N	18.247E	0.9	-	Csór
07	13:44:19.0	47.876N	16.072E	1.5	-	Austria
08	7:14:43.8	46.826N	17.307E	1.6	-	Vállus
08	7:55:40.4	47.832N	19.912E	1.6	-	Gyöngyösoroszi
08	9:04:34.4	47.194N	18.298E	0.8	-	Székesfehérvár
08	9:28:16.0	46.812N	17.328E	1.7	-	Lesencefalu
08	10:06:41.5	45.614N	17.280E	1.4	-	Croatia
08	15:00:57.5	47.578N	16.340E	1.6	-	Austria
09	9:20:10.1	48.956N	21.278E	1.7	-	Slovakia
09	9:36:40.7	47.184N	18.306E	0.9	-	Székesfehérvár
09	10:01:19.3	48.609N	20.767E	1.6	-	Slovakia
10	5:09:20.5	47.273N	18.352E	1.2	-	Sárkeresztes
10	6:20:02.2	47.275N	18.358E	1.5	-	Sárkeresztes
10	8:22:54.0	48.802N	16.123E	1.7	-	Czechia
10	9:07:48.2	48.423N	17.264E	1.8	-	Slovakia
10	9:14:25.4	46.121N	18.087E	1.3	-	Abaliget
10	9:35:02.0	47.582N	18.520E	1.4	-	Tarján
13	8:28:27.1	48.512N	17.477E	1.7	-	Slovakia
13	8:59:27.2	47.237N	18.268E	0.9	-	Iszkaszentgyörgy
13	10:07:46.9	48.586N	20.903E	1.8	-	Slovakia
13	10:31:08.6	48.680N	20.859E	1.6	-	Slovakia
13	10:48:45.4	47.290N	18.340E	1.7	-	Magyaralmás
13	14:08:41.4	47.371N	16.315E	1.3	-	Austria
14	8:45:23.2	48.428N	17.178E	1.9	-	Slovakia
14	11:13:31.7	48.609N	20.791E	1.6	-	Slovakia
15	6:40:21.0	48.424N	17.259E	1.7	-	Slovakia
15	8:37:40.0	47.564N	16.386E	1.7	-	Austria
15	9:18:40.8	47.328N	18.431E	1.8	-	Zámoly
15	9:39:03.0	48.711N	21.483E	1.6	-	Slovakia
15	9:51:08.4	48.505N	17.504E	1.3	-	Slovakia
15	9:55:55.9	48.596N	20.691E	1.3	-	Slovakia
16	7:08:23.8	47.905N	20.115E	1.4	-	Recsk
16	8:19:16.9	47.960N	16.032E	1.7	-	Austria
16	9:20:02.2	47.215N	18.286E	0.9	-	Iszkaszentgyörgy
16	9:59:58.7	48.109N	16.965E	1.8	-	Austria
16	10:05:07.1	48.695N	22.435E	1.8	-	Ukraine
16	11:45:52.4	47.817N	16.011E	0.7	-	Austria
17	10:05:46.9	45.585N	17.604E	1.4	-	Croatia
20	10:00:59.4	48.620N	20.810E	1.4	-	Slovakia
20	11:35:20.9	46.151N	16.406E	1.6	-	Croatia
20	12:00:41.4	48.798N	21.379E	1.6	-	Slovakia
20	12:58:58.7	48.310N	19.922E	1.3	-	Slovakia
21	8:08:01.5	46.846N	17.325E	1.8	-	Lesencefalu
21	8:37:20.2	47.175N	18.265E	1.1	-	Sárkeszi
21	9:11:34.3	48.502N	17.509E	1.4	-	Slovakia
21	9:59:21.0	47.993N	19.593E	1.6	-	Hollókő
21	10:40:25.9	48.578N	20.741E	1.3	-	Slovakia

**Hypocenter Parameters**

**Földrengés paraméterek**

21	11:32:01.6	47.574N	16.321E	1.7	-	Austria
22	7:55:51.6	46.184N	18.281E	1.1	-	Zobákpuszta
22	8:56:50.9	48.889N	21.072E	1.5	-	Slovakia
22	9:22:06.7	48.679N	19.099E	1.7	-	Slovakia
22	9:23:19.5	48.675N	21.507E	1.6	-	Slovakia
22	12:23:37.1	47.861N	19.382E	1.9	-	Nógrádkövesd
22	14:01:44.0	47.419N	18.364E	1.8	-	Gánt
23	8:31:39.2	47.946N	16.062E	1.3	-	Austria
23	10:01:39.0	47.236N	18.243E	0.8	-	Iszkaszentgyörgy
23	10:24:05.5	48.376N	19.859E	1.5	-	Slovakia
23	10:44:32.4	48.469N	21.785E	1.7	-	Slovakia
23	13:00:06.3	47.886N	16.059E	0.8	-	Austria
24	8:40:35.8	48.587N	20.756E	1.4	-	Slovakia
24	9:36:38.1	47.311N	18.455E	1.8	-	Pátka
24	12:37:49.4	48.930N	22.153E	1.9	-	Slovakia
27	6:33:26.6	48.456N	19.547E	1.4	-	Slovakia
27	8:25:29.0	46.882N	17.332E	1.8	-	Lesenceistvánd
27	8:56:31.9	48.606N	21.432E	1.7	-	Slovakia
27	10:01:00.8	48.194N	16.839E	1.5	-	Austria
27	12:36:51.8	48.872N	20.663E	1.3	-	Slovakia
27	13:41:28.7	47.327N	16.328E	1.3	-	Austria
28	7:08:22.9	46.053N	22.819E	1.9	-	Romania
28	9:30:49.0	47.226N	18.249E	0.9	-	Iszkaszentgyörgy
28	9:40:53.8	48.431N	17.208E	1.8	-	Slovakia
28	9:45:08.4	46.064N	18.057E	1.1	-	Boda
28	9:49:30.0	48.757N	20.849E	1.7	-	Slovakia
28	10:01:49.4	48.538N	17.462E	1.5	-	Slovakia
28	14:29:54.4	48.263N	21.243E	1.9	-	Tállya
29	7:11:20.9	46.114N	18.056E	1.2	-	Bükkösd
29	7:19:01.4	47.889N	19.166E	1.4	-	Felsőpetény
29	7:38:46.4	48.331N	21.448E	1.5	-	Komlóska
29	7:45:29.3	48.426N	17.269E	1.7	-	Slovakia
29	8:30:24.0	48.569N	20.824E	1.3	-	Hidvégardó
29	9:31:06.7	46.169N	18.278E	1.1	-	Mánfa
29	10:06:04.1	47.560N	16.303E	1.3	-	Austria
30	5:50:36.9	48.183N	21.260E	1.6	-	Mád
30	7:35:12.2	48.675N	21.409E	1.3	-	Slovakia
30	8:12:44.2	47.118N	18.201E	0.9	-	Ósi
30	8:20:28.7	48.591N	20.768E	1.6	-	Slovakia
30	9:30:03.7	47.187N	18.301E	0.6	-	Székesfehérvár
30	14:01:31.6	47.305N	18.475E	1.0	-	Pátka
30	15:42:54.4	47.291N	18.469E	1.1	-	Pátka

**JÚNIUS / JUNE, 2024**

03	5:39:54.7	48.168N	21.264E	1.5	-	Mád
03	7:04:34.6	45.581N	17.312E	1.4	-	Croatia
03	7:23:52.8	48.068N	20.698E	1.4	-	Miskolctapolca
03	8:33:16.3	48.518N	17.491E	1.1	-	Slovakia
03	8:53:49.6	48.856N	21.290E	1.6	-	Slovakia
03	9:15:41.7	48.909N	20.513E	2.0	-	Slovakia
03	9:37:15.8	47.339N	17.611E	1.3	-	Béb
03	10:00:21.9	48.176N	16.844E	1.7	-	Austria
03	10:43:59.4	48.528N	22.899E	2.0	-	Ukraine
03	11:02:43.5	45.825N	18.384E	1.3	-	Kistapolca
04	7:58:33.8	48.579N	20.746E	1.3	-	Slovakia
04	8:11:08.5	48.398N	17.204E	1.9	-	Slovakia
04	8:29:01.6	48.092N	20.709E	1.4	-	Miskolctapolca
04	9:13:07.9	47.329N	18.411E	2.0	-	Zámoly
04	13:14:04.3	47.339N	18.423E	1.8	-	Zámoly
05	8:24:30.7	47.972N	16.072E	1.4	-	Austria

**Földrengés paraméterek**
**Hypocenter Parameters**

05	8:42:31.9	46.816N	17.380E	1.9	-	Nemesvita
05	8:48:14.2	48.088N	19.561E	1.8	-	Magyargéc
05	8:56:17.3	46.819N	17.417E	1.8	-	Hegymagas
05	9:13:24.5	47.605N	18.437E	1.4	-	Vértestolna
05	9:18:17.1	48.585N	20.777E	1.6	-	Slovakia
05	9:28:19.5	48.707N	20.033E	1.3	-	Slovakia
05	9:50:07.6	47.238N	18.290E	0.9	-	Moha
05	9:56:28.4	48.508N	17.492E	1.7	-	Slovakia
05	11:02:16.7	46.527N	22.551E	1.7	-	Romania
06	7:22:23.3	48.791N	19.295E	1.5	-	Slovakia
06	7:51:10.8	47.343N	18.383E	1.5	-	Zámoly
06	8:09:38.5	48.192N	16.968E	1.6	-	Austria
06	8:12:02.0	48.801N	20.788E	1.4	-	Slovakia
06	8:23:42.3	46.175N	18.291E	1.2	-	Zobákpuszta
06	9:41:55.7	47.234N	18.271E	0.9	-	Iszkaszentgyörgy
06	10:07:07.9	48.709N	21.513E	1.5	-	Slovakia
06	12:50:39.3	48.565N	20.813E	1.5	-	Tornanádaska
06	14:13:03.3	47.337N	16.298E	1.2	-	Austria
07	6:59:56.3	47.023N	18.003E	1.3	-	Balatonalmádi
07	7:27:04.9	48.561N	20.848E	1.0	-	Hidvégdárdó
07	8:33:20.1	48.352N	19.877E	1.9	-	Slovakia
10	8:01:37.3	48.708N	18.732E	1.9	-	Slovakia
10	9:16:11.7	46.133N	18.050E	1.2	-	Hetvehely
10	14:00:06.7	48.117N	16.933E	1.6	-	Austria
11	8:38:55.8	48.544N	20.750E	1.3	-	Komjáti
11	8:41:31.3	48.843N	21.601E	1.6	-	Slovakia
11	8:44:40.6	48.646N	21.471E	1.5	-	Slovakia
11	10:30:49.8	47.179N	18.317E	0.6	-	Székesfehérvár
11	11:04:18.2	48.679N	22.428E	1.9	-	Ukraine
12	6:15:06.8	47.970N	16.094E	1.2	-	Austria
12	7:07:16.0	48.185N	21.399E	1.7	-	Szegi
12	7:46:46.9	46.057N	22.828E	1.7	-	Romania
12	7:54:21.3	48.905N	21.050E	1.4	-	Slovakia
12	8:22:22.9	48.453N	17.446E	1.6	-	Slovakia
12	8:59:00.9	47.328N	18.404E	1.9	-	Zámoly
12	9:05:02.7	48.965N	20.199E	1.3	-	Slovakia
13	7:23:08.2	47.908N	20.160E	1.6	-	Recsk
13	7:28:47.6	46.837N	17.270E	1.6	-	Vállus
13	7:48:17.3	48.063N	20.707E	1.4	-	Miskolctapolca
13	8:53:30.1	45.641N	17.271E	1.5	-	Croatia
13	9:05:45.5	48.438N	21.503E	1.3	-	Nagyhuta
13	10:44:09.1	47.594N	18.400E	1.3	-	Vértesszőlős
13	11:41:48.0	48.466N	17.095E	1.5	-	Slovakia
13	11:42:25.9	48.450N	17.112E	1.5	-	Slovakia
13	11:42:48.8	48.434N	17.088E	1.4	-	Slovakia
13	11:43:36.0	48.454N	17.109E	1.4	-	Slovakia
14	8:59:26.3	47.850N	16.007E	1.3	-	Austria
14	9:07:26.0	48.582N	20.450E	1.5	-	Slovakia
14	10:20:01.2	46.301N	22.948E	1.8	-	Romania
15	8:30:09.6	46.191N	18.289E	1.1	-	Zobákpuszta
15	13:17:52.6	47.291N	18.469E	0.8	-	Pátka
17	5:21:21.3	47.948N	16.054E	1.5	-	Austria
17	7:00:28.0	48.438N	19.501E	1.4	-	Slovakia
17	9:08:12.4	48.625N	20.736E	1.7	-	Slovakia
17	10:00:11.5	48.169N	16.867E	1.7	-	Austria
17	10:36:06.1	48.653N	21.505E	1.8	-	Slovakia
18	7:54:18.3	48.210N	21.266E	1.4	-	Mád
18	8:14:25.2	48.416N	17.322E	1.8	-	Slovakia
18	10:18:43.5	47.335N	18.459E	1.6	-	Lovasberény
19	6:29:46.9	46.139N	18.031E	0.9	-	Hetvehely

**Hypocenter Parameters**

**Földrengés paraméterek**

19	7:46:13.0	48.533N	19.358E	1.7	-	Slovakia
19	9:04:02.9	48.536N	20.769E	1.4	-	Komjáti
19	9:10:38.8	48.430N	17.222E	1.6	-	Slovakia
19	9:57:15.9	48.825N	21.623E	1.8	-	Slovakia
19	10:37:59.7	47.523N	18.497E	1.3	-	Szárliiget
19	11:02:00.3	48.811N	20.087E	1.3	-	Slovakia
19	11:12:50.5	46.353N	22.985E	1.6	-	Romania
20	5:04:02.9	47.252N	17.682E	1.2	-	Németbánya
20	7:31:17.1	48.816N	20.120E	1.3	-	Slovakia
20	8:30:00.5	48.523N	17.466E	1.5	-	Slovakia
20	8:31:38.7	48.499N	17.474E	1.4	-	Slovakia
20	8:33:00.0	48.596N	17.447E	1.4	-	Slovakia
20	8:34:23.6	48.490N	17.683E	1.5	-	Slovakia
20	9:01:34.7	47.313N	18.441E	1.8	-	Zámoly
20	9:53:05.6	48.637N	20.864E	1.5	-	Slovakia
21	9:20:09.2	47.311N	17.637E	1.5	-	Homokbödöge
21	9:53:38.7	47.092N	18.008E	1.2	-	Litér
24	8:08:46.5	46.134N	18.060E	1.5	-	Hetvehely
24	8:11:10.2	46.129N	18.057E	1.3	-	Hetvehely
24	8:30:24.1	48.493N	17.475E	1.5	-	Slovakia
24	9:52:57.5	47.910N	16.052E	1.1	-	Austria
24	10:00:38.5	48.146N	16.888E	1.6	-	Austria
25	8:33:17.2	48.683N	20.368E	1.2	-	Slovakia
25	8:45:18.3	47.253N	18.240E	1.0	-	Kincsesbánya
25	9:11:33.0	48.241N	21.260E	1.7	-	Tállya
25	9:31:31.4	47.865N	19.139E	1.5	-	Nótinc
25	9:41:27.2	48.263N	18.683E	1.7	-	Slovakia
25	9:52:26.7	48.612N	20.747E	1.7	-	Slovakia
25	11:03:59.6	47.553N	16.348E	1.0	-	Austria
26	7:02:10.1	48.591N	20.739E	1.3	-	Slovakia
27	8:22:08.5	48.585N	20.766E	1.5	-	Slovakia
27	9:07:29.3	47.265N	18.223E	0.6	-	Kincsesbánya
27	9:19:18.5	48.959N	21.364E	1.7	-	Slovakia
27	9:29:30.1	47.095N	17.991E	1.6	-	Litér
28	6:41:45.4	46.116N	17.994E	1.8	-	Bükkösd
28	7:13:34.8	47.801N	19.933E	1.8	-	Gyöngyössolymos
28	7:58:14.2	48.181N	16.989E	1.7	-	Austria
28	11:13:20.6	47.526N	16.374E	1.4	-	Austria

**JÚLIUS / JULY, 2024**

01	7:23:25.2	48.100N	20.718E	1.1	-	Miskolc
01	7:41:31.0	48.537N	17.506E	1.7	-	Slovakia
01	7:50:20.7	47.770N	19.959E	1.5	-	Gyöngyös
01	9:25:42.7	47.574N	18.455E	1.4	-	Tatabánya
01	10:58:17.1	48.863N	20.945E	1.6	-	Slovakia
02	8:03:38.7	48.458N	17.297E	1.9	-	Slovakia
02	8:08:08.2	48.763N	20.813E	1.5	-	Slovakia
02	9:34:46.3	48.458N	17.194E	1.7	-	Slovakia
02	9:43:24.4	47.211N	18.296E	0.9	-	Moha
02	10:11:02.9	48.512N	17.456E	1.4	-	Slovakia
02	14:01:09.7	47.345N	18.421E	1.9	-	Zámoly
02	14:17:00.7	47.309N	18.451E	2.0	-	Pátka
02	14:29:24.8	47.319N	18.490E	1.7	-	Lovasberény
03	7:10:13.9	48.886N	21.076E	1.6	-	Slovakia
03	8:10:07.9	48.207N	17.008E	1.3	-	Slovakia
03	8:45:33.6	46.209N	18.265E	1.1	-	Komló
03	8:57:34.3	48.960N	20.281E	1.5	-	Slovakia
03	9:08:53.8	46.037N	22.824E	1.7	-	Romania
03	9:29:19.8	46.859N	17.360E	1.8	-	Lesencetomaj
04	7:32:04.4	48.608N	18.559E	1.7	-	Slovakia

**Földrengés paraméterek**

**Hypocenter Parameters**

04	8:27:40.5	48.538N	20.784E	1.5	-	Bódvalenke
04	9:25:27.4	47.296N	18.213E	0.3	-	Bodajk
04	9:37:35.9	47.100N	17.879E	1.4	-	Veszprém
04	11:00:06.7	48.861N	20.902E	1.8	-	Slovakia
04	11:09:41.9	48.424N	17.260E	1.7	-	Slovakia
04	14:31:26.3	47.073N	19.403E	1.6	-	Tatárszentgyörgy
04	14:48:22.9	47.070N	19.417E	1.6	-	Tatárszentgyörgy
05	8:36:43.0	47.970N	16.052E	1.0	-	Austria
05	15:00:43.0	47.147N	19.306E	1.5	-	Örkény
05	15:22:30.3	47.175N	19.324E	1.5	-	Újhartyán
08	6:08:59.1	46.805N	17.308E	1.8	-	Keszthely
08	8:33:29.5	46.904N	17.494E	1.4	-	Diszel
08	8:44:44.0	45.671N	17.258E	1.3	-	Croatia
08	9:11:15.6	48.526N	19.339E	1.5	-	Slovakia
08	9:16:49.7	48.541N	17.474E	1.6	-	Slovakia
08	10:00:07.4	48.129N	16.881E	1.7	-	Austria
08	10:21:40.5	47.555N	18.495E	1.4	-	Szárliiget
08	11:45:49.9	48.374N	19.861E	1.3	-	Slovakia
08	13:37:03.9	47.877N	16.069E	1.1	-	Austria
08	14:17:42.5	47.096N	19.387E	1.5	-	Tatárszentgyörgy
09	8:27:59.2	48.871N	21.350E	1.4	-	Slovakia
09	9:27:43.4	47.327N	18.441E	1.8	-	Zámoly
09	9:29:05.5	48.688N	21.427E	1.6	-	Slovakia
09	11:26:56.8	47.911N	16.111E	1.0	-	Austria
09	11:29:40.1	47.870N	16.063E	1.1	-	Austria
09	11:51:34.2	47.203N	18.281E	0.7	-	Csór
10	9:08:20.1	48.335N	18.515E	2.1	-	Slovakia
10	9:52:50.6	47.811N	19.138E	1.4	-	Kosd
10	10:08:47.0	46.907N	17.294E	1.9	-	Várvolgy
11	8:58:02.5	47.221N	18.261E	1.0	-	Iszkaszentgyörgy
12	7:42:39.9	47.314N	18.451E	1.7	-	Pátka
12	8:18:39.5	47.966N	16.060E	1.3	-	Austria
12	8:28:29.2	48.507N	19.342E	1.4	-	Slovakia
12	8:29:11.6	48.541N	19.343E	1.4	-	Slovakia
15	4:56:46.6	46.995N	22.915E	1.8	-	Romania
15	8:06:36.8	48.993N	21.241E	1.5	-	Slovakia
15	9:09:24.6	48.580N	20.772E	1.4	-	Tornanádaska
15	11:28:11.5	47.904N	16.087E	1.0	-	Austria
15	11:36:48.8	47.962N	16.155E	0.6	-	Austria
15	13:15:00.1	47.104N	19.363E	1.8	-	Tatárszentgyörgy
15	14:05:21.9	46.233N	16.142E	1.3	-	Croatia
15	14:13:20.8	47.603N	16.368E	0.9	-	Austria
16	8:35:50.4	48.585N	20.800E	1.6	-	Slovakia
16	10:01:44.0	48.128N	16.923E	1.6	-	Austria
16	10:42:41.6	46.325N	22.979E	1.7	-	Romania
16	10:58:03.3	47.068N	19.414E	1.6	-	Tatárszentgyörgy
17	10:06:39.6	47.306N	16.374E	1.7	-	Austria
17	10:07:08.0	48.359N	19.856E	1.9	-	Slovakia
17	14:12:15.9	47.536N	16.347E	1.1	-	Austria
18	6:48:46.2	47.831N	19.084E	1.3	-	Verőce
18	7:09:16.5	47.411N	18.676E	1.2	-	Tabajd
18	8:01:00.7	47.980N	20.368E	1.5	-	Szarvaskő
18	8:15:05.2	47.225N	18.277E	0.6	-	Iszkaszentgyörgy
18	8:35:43.2	47.248N	18.246E	0.7	-	Iszkaszentgyörgy
18	11:29:31.3	48.432N	17.091E	1.5	-	Slovakia
18	11:30:47.3	48.455N	17.102E	1.5	-	Slovakia
18	11:31:48.7	48.464N	17.129E	1.4	-	Slovakia
18	11:32:18.3	48.443N	17.126E	1.4	-	Slovakia
18	12:02:42.8	47.113N	19.368E	1.8	-	Örkény
18	13:32:14.4	47.866N	16.057E	1.0	-	Austria

**Hypocenter Parameters**

**Földrengés paraméterek**

19	9:34:03.0	46.058N	22.791E	1.9	-	Romania
19	10:48:09.0	47.117N	19.388E	2.0	-	Örkény
19	17:32:45.7	47.737N	16.503E	-0.1	-	Austria
20	6:06:54.5	46.210N	18.219E	1.1	-	Magyarszék
22	9:39:35.4	47.276N	18.376E	1.5	-	Sárkeresztes
22	9:40:48.0	47.294N	18.352E	1.6	-	Magyaralmás
22	9:44:49.8	47.519N	18.489E	1.2	-	Szárliget
23	8:17:45.2	48.537N	17.370E	1.1	-	Slovakia
23	9:05:25.8	47.222N	18.275E	0.9	-	Iszkaszentgyörgy
23	10:00:02.1	48.156N	16.853E	1.9	-	Austria
23	10:22:50.6	46.124N	17.989E	1.5	-	Dinnyeberki
23	11:02:55.8	47.892N	16.072E	0.8	-	Austria
23	14:51:43.5	48.237N	21.265E	1.9	-	Tállya
23	15:43:03.4	45.547N	17.796E	1.5	-	Croatia
24	6:32:20.7	46.994N	18.048E	1.5	-	Balatonalmádi
24	8:39:06.4	47.772N	19.798E	1.2	-	Rózsaszentmárton
24	9:13:07.5	47.801N	20.102E	1.4	-	Domoszló
24	9:48:37.4	47.857N	16.027E	0.9	-	Austria
24	9:55:39.7	47.858N	16.058E	1.2	-	Austria
25	7:38:48.4	48.549N	17.365E	1.6	-	Slovakia
25	7:59:30.8	48.424N	17.185E	1.9	-	Slovakia
25	8:03:55.7	47.382N	18.388E	1.8	-	Gánt
25	10:00:03.1	48.116N	16.924E	1.5	-	Austria
25	10:20:17.0	46.141N	21.675E	1.6	-	Romania
25	11:14:36.8	47.861N	20.150E	1.4	-	Tarnaszentmária
26	6:36:51.5	48.294N	21.549E	1.5	-	Sárospatak
27	5:34:27.4	47.918N	16.418E	0.7	-	Austria
29	8:30:35.7	48.360N	17.390E	1.5	-	Slovakia
29	9:31:48.3	48.576N	20.806E	1.7	-	Tornanádaska
29	9:53:12.4	47.732N	19.062E	1.5	-	Leányfalu
29	10:57:16.4	48.411N	17.240E	1.9	-	Slovakia
30	9:05:33.4	47.203N	18.314E	0.6	-	Székesfehérvár
30	9:47:26.5	47.525N	18.497E	0.9	-	Szárliget
30	10:00:05.2	48.158N	16.893E	1.5	-	Austria
31	8:01:15.3	46.845N	17.241E	1.8	-	Rezi
31	8:03:11.6	46.150N	18.311E	1.0	-	Vasas
31	9:07:55.4	46.129N	18.024E	1.7	-	Hetvehely
31	10:43:07.3	47.410N	16.377E	2.0	-	Austria
31	11:23:04.6	47.821N	20.158E	1.6	-	Vécs
31	13:19:39.5	47.854N	16.013E	1.2	-	Austria

**AUGUSZTUS / AUGUST, 2024**

01	7:22:11.0	46.053N	22.809E	1.7	-	Romania
01	7:22:50.1	46.038N	22.819E	1.6	-	Romania
01	8:22:14.2	48.802N	21.643E	1.7	-	Slovakia
01	9:27:41.4	48.610N	20.646E	1.5	-	Slovakia
01	10:27:09.6	47.358N	18.413E	1.8	-	Gánt
01	17:17:26.1	45.690N	21.898E	2.1	-	Romania
02	6:45:02.3	47.184N	18.320E	1.4	-	Székesfehérvár
02	7:05:07.6	45.646N	17.244E	1.5	-	Croatia
02	7:41:26.9	48.541N	17.456E	1.7	-	Slovakia
02	10:08:28.3	48.422N	19.115E	1.7	-	Slovakia
02	10:34:52.1	48.541N	22.856E	2.0	-	Ukraine
02	11:29:42.5	47.889N	20.159E	1.6	-	Tarnaszentmária
03	7:45:27.4	46.175N	18.296E	0.9	-	Zobákpuszta
05	6:52:45.2	48.001N	20.359E	1.2	-	Szarvaskő
05	6:54:10.1	48.096N	20.692E	1.2	-	Pereces
05	8:52:05.5	48.617N	20.822E	1.4	-	Slovakia
05	10:00:18.7	48.150N	16.889E	1.7	-	Austria
05	10:45:40.4	48.505N	19.917E	1.3	-	Slovakia



**Földrengés paraméterek**

**Hypocenter Parameters**

06	7:56:48.2	48.403N	17.161E	1.9	-	Slovakia
06	8:55:31.2	47.185N	18.271E	0.9	-	Sárkeszi
07	9:20:28.1	47.304N	17.660E	1.4	-	Bakonykoppány
07	11:05:33.4	45.990N	22.268E	1.8	-	Romania
08	8:11:32.5	46.117N	17.979E	1.7	-	Dinnyeberki
08	8:47:53.7	48.555N	20.364E	2.0	-	Slovakia
08	10:24:24.4	48.335N	19.850E	1.5	-	Slovakia
09	8:25:41.2	48.528N	17.553E	1.7	-	Slovakia
10	6:46:46.3	47.570N	16.311E	1.6	-	Austria
12	6:50:37.6	47.685N	18.458E	1.7	-	Tardosbánya
12	8:34:48.6	48.546N	17.349E	1.4	-	Slovakia
12	8:38:01.7	47.978N	16.074E	0.9	-	Austria
12	9:48:58.5	46.111N	18.079E	1.2	-	Kővágóóttős
12	11:01:09.4	47.502N	18.640E	1.1	-	Bicske
13	9:02:42.0	48.662N	22.348E	2.0	-	Ukraine
13	9:30:26.6	48.346N	19.856E	1.4	-	Slovakia
13	9:37:41.3	47.203N	18.248E	1.0	-	Csór
13	12:34:46.3	47.606N	16.354E	1.1	-	Austria
13	12:46:34.5	48.619N	21.341E	1.8	-	Slovakia
13	13:51:07.9	48.620N	20.795E	1.4	-	Slovakia
14	7:04:39.3	48.492N	17.527E	1.4	-	Slovakia
14	7:36:46.5	46.848N	17.272E	1.6	-	Vállus
14	8:32:56.9	47.888N	16.486E	1.3	-	Austria
15	6:54:11.5	48.528N	19.280E	1.7	-	Slovakia
15	7:15:46.9	47.813N	19.958E	1.8	-	Gyöngyössolymos
15	8:37:58.8	47.186N	18.312E	0.8	-	Székesfehérvár
15	9:08:40.7	48.501N	17.497E	1.4	-	Slovakia
15	9:26:07.3	48.740N	20.756E	1.6	-	Slovakia
16	6:41:41.6	47.287N	17.672E	1.6	-	Bakonykoppány
16	8:30:51.5	48.575N	20.779E	1.6	-	Tornanádaska
19	12:07:20.8	48.951N	20.847E	1.4	-	Slovakia
19	12:23:29.7	46.598N	22.257E	1.3	-	Romania
19	12:25:37.0	45.981N	22.385E	1.2	-	Romania
20	6:37:23.7	46.034N	22.795E	1.5	-	Romania
20	7:53:12.5	48.680N	20.803E	1.5	-	Slovakia
20	8:14:39.1	45.879N	22.951E	1.9	-	Romania
20	9:35:44.4	48.429N	17.247E	2.1	-	Slovakia
20	12:45:51.2	48.522N	17.642E	1.6	-	Slovakia
21	6:11:05.1	46.845N	22.511E	1.8	-	Romania
21	7:28:25.9	47.890N	16.093E	1.0	-	Austria
21	8:04:57.5	48.857N	21.042E	1.3	-	Slovakia
21	8:49:23.3	47.550N	16.361E	1.5	-	Austria
22	6:50:56.3	47.875N	19.400E	1.7	-	Bercel
22	8:32:11.1	48.619N	20.708E	1.5	-	Slovakia
22	8:37:52.2	48.512N	17.486E	1.4	-	Slovakia
22	8:41:59.9	47.197N	18.274E	0.7	-	Csór
22	11:09:26.0	47.316N	18.459E	2.1	-	Pátka
22	12:30:09.6	45.511N	17.798E	1.4	-	Croatia
23	5:06:01.5	47.868N	16.055E	1.4	-	Austria
23	7:08:23.5	48.295N	21.516E	1.7	-	Bodrogolaszi
23	8:14:57.9	46.165N	18.301E	1.2	-	Zobákpuszta
23	9:10:44.7	48.338N	19.914E	2.0	-	Slovakia
23	13:23:08.8	47.416N	16.288E	1.3	-	Austria
26	8:32:24.8	46.068N	22.778E	1.6	-	Romania
26	8:41:54.2	48.782N	21.677E	1.6	-	Slovakia
26	10:00:49.4	48.133N	16.846E	1.7	-	Austria
27	6:11:52.4	48.346N	17.356E	1.9	-	Slovakia
27	8:47:42.9	48.415N	17.236E	1.8	-	Slovakia
27	9:30:17.6	47.989N	16.088E	1.2	-	Austria
27	10:08:06.8	48.593N	20.787E	1.5	-	Slovakia

**Hypocenter Parameters**

**Földrengés paraméterek**

27	10:20:16.9	48.624N	20.748E	1.6	-	Slovakia
27	12:31:32.2	47.876N	16.061E	0.9	-	Austria
27	12:43:03.0	47.885N	16.060E	1.2	-	Austria
27	13:16:38.2	48.280N	21.286E	2.1	-	Sima
28	6:24:30.2	48.255N	21.544E	1.9	-	Sárazsadány
28	7:53:00.6	46.824N	17.323E	1.7	-	Lesencefalu
28	8:02:26.8	46.147N	18.329E	1.0	-	Vasas
28	10:12:58.9	47.243N	18.265E	0.7	-	Iszkaszentgyörgy
29	5:57:30.5	47.123N	18.067E	0.4	-	Vilonya
29	6:21:10.4	47.488N	18.675E	1.4	-	Bicske
29	6:53:33.5	47.866N	19.125E	1.5	-	Szendehely
29	7:50:29.8	47.925N	20.111E	1.6	-	Recsk
29	8:43:31.5	46.158N	18.011E	1.5	-	Hetvehely
29	9:23:20.2	47.991N	16.066E	1.3	-	Austria
29	9:59:57.3	48.118N	16.926E	1.7	-	Austria
29	12:07:29.6	47.856N	19.187E	1.4	-	Ósagárd

**SZEPTEMBER / SEPTEMBER, 2024**

02	6:56:08.7	48.122N	21.357E	1.4	-	Tarcal
02	7:31:20.8	48.572N	20.783E	1.1	-	Tornanádaska
02	9:26:35.3	48.981N	21.346E	1.8	-	Slovakia
02	11:29:45.8	47.883N	20.175E	1.4	-	Tarnaszentmária
03	6:29:43.0	47.970N	16.096E	0.9	-	Austria
03	8:00:58.4	48.407N	17.232E	1.9	-	Slovakia
03	8:28:39.2	48.573N	17.521E	1.6	-	Slovakia
03	8:36:18.9	48.564N	20.796E	1.3	-	Tornanádaska
03	9:24:03.3	46.827N	17.300E	1.8	-	Vállus
03	10:00:17.2	48.154N	16.875E	1.5	-	Austria
03	10:27:42.6	45.558N	17.809E	1.9	-	Croatia
04	6:37:57.3	47.847N	19.208E	1.8	-	Ósagárd
04	6:53:52.9	45.636N	17.289E	1.4	-	Croatia
04	8:31:38.4	47.087N	18.055E	1.3	-	Papkeszi
04	8:54:03.7	48.549N	17.546E	1.7	-	Slovakia
04	9:05:46.8	47.229N	18.259E	0.9	-	Iszkaszentgyörgy
04	9:35:41.3	47.626N	18.368E	1.3	-	Baj
04	9:50:04.5	47.863N	16.047E	0.7	-	Austria
05	6:49:18.9	47.361N	18.299E	0.5	-	Csákerény
05	7:11:06.0	48.510N	17.528E	1.7	-	Slovakia
05	7:36:57.8	48.403N	17.323E	1.6	-	Slovakia
05	8:02:34.7	47.866N	16.068E	1.1	-	Austria
05	8:18:19.2	47.823N	19.132E	1.5	-	Szendehely
05	11:53:32.0	47.854N	16.054E	0.9	-	Austria
06	6:14:02.9	47.647N	16.242E	1.8	-	Austria
06	7:48:42.1	48.627N	20.767E	1.4	-	Slovakia
06	11:52:46.2	45.569N	17.771E	2.0	-	Croatia
09	8:28:54.5	48.500N	20.778E	1.3	-	Tornaszentandrás
09	8:37:17.3	46.181N	18.291E	0.9	-	Zobákpuszta
09	9:49:22.2	45.966N	22.666E	1.4	-	Romania
10	5:51:29.5	47.972N	16.077E	1.3	-	Austria
10	6:01:50.5	47.893N	20.097E	1.6	-	Kisnána
10	7:10:43.1	47.320N	18.461E	2.2	-	Pátka
10	8:31:18.5	48.658N	20.753E	1.5	-	Slovakia
10	11:01:40.4	48.129N	16.871E	1.7	-	Austria
10	11:54:08.7	48.265N	19.820E	1.8	-	Slovakia
10	12:39:19.7	48.579N	20.828E	1.1	-	Hidvégaradó
10	13:36:29.4	47.119N	19.370E	1.7	-	Örkény
11	6:53:46.7	48.051N	20.690E	1.6	-	Kisgyőr
11	7:09:19.8	46.827N	17.268E	2.2	-	Vállus
11	8:14:06.6	46.153N	18.305E	1.1	-	Vasas
11	9:35:47.2	47.982N	16.096E	1.5	-	Austria

**Földrengés paraméterek**

**Hypocenter Parameters**

11	9:44:47.7	47.659N	18.393E	1.2	-	Agostyán
11	10:02:49.0	47.305N	17.646E	1.7	-	Homokbödöge
11	10:47:45.0	47.262N	18.242E	0.5	-	Kincsesbánya
11	10:48:27.7	47.198N	18.308E	0.8	-	Székesfehérvár
11	14:52:40.7	47.637N	16.313E	1.7	-	Austria
11	15:17:28.1	47.085N	19.368E	1.5	-	Tatárszentgyörgy
12	7:51:05.0	48.705N	19.983E	1.4	-	Slovakia
13	9:30:51.0	45.637N	17.281E	1.4	-	Croatia
13	9:55:08.6	48.847N	21.601E	2.2	-	Slovakia
15	14:45:37.5	48.599N	20.896E	0.6	-	Slovakia
16	7:13:21.8	48.424N	17.213E	1.6	-	Slovakia
17	7:33:36.9	47.338N	18.380E	1.3	-	Zámoly
17	8:02:49.9	48.010N	16.128E	0.9	-	Austria
17	9:26:28.1	48.831N	21.578E	1.9	-	Slovakia
17	10:03:17.6	47.869N	16.078E	0.6	-	Austria
17	13:45:35.0	47.903N	16.083E	0.7	-	Austria
18	6:26:03.9	47.825N	19.094E	1.8	-	Verőce
18	7:34:59.9	46.843N	17.302E	2.1	-	Vállus
18	8:21:33.0	46.039N	22.799E	1.6	-	Romania
18	8:25:16.4	47.977N	16.073E	1.0	-	Austria
18	9:33:38.1	46.809N	17.314E	1.7	-	Lesencefalu
18	9:38:27.4	48.720N	20.721E	1.7	-	Slovakia
18	9:59:53.4	48.125N	16.914E	1.7	-	Austria
18	10:02:00.4	47.194N	18.252E	0.9	-	Csór
18	11:45:20.6	47.843N	19.091E	1.5	-	Szendehely
19	7:29:53.7	48.548N	17.441E	1.3	-	Slovakia
19	7:45:53.9	48.438N	17.229E	1.8	-	Slovakia
19	8:04:14.2	47.249N	18.222E	1.0	-	Bakonykúti
19	8:23:08.4	47.236N	18.242E	1.5	-	Iszkaszentgyörgy
19	8:54:33.7	48.334N	19.870E	1.8	-	Slovakia
19	11:15:36.1	47.854N	16.031E	0.7	-	Austria
19	11:26:06.8	47.890N	16.077E	0.8	-	Austria
20	6:54:41.9	48.788N	18.238E	1.8	-	Slovakia
20	8:41:46.1	47.623N	18.495E	1.8	-	Tarján
20	11:01:31.1	47.487N	18.684E	1.2	-	Herceghalom
23	7:36:32.4	46.138N	18.070E	0.9	-	Abaliget
23	8:43:10.3	46.186N	18.278E	1.4	-	Zobákpusztá
23	8:49:32.5	48.632N	21.399E	1.6	-	Slovakia
23	11:10:57.5	48.634N	19.093E	1.9	-	Slovakia
24	6:53:31.2	46.070N	22.816E	1.7	-	Romania
24	9:46:21.0	47.891N	16.077E	0.9	-	Austria
24	10:34:58.3	47.325N	18.434E	1.9	-	Zámoly
24	10:49:21.9	47.601N	18.420E	1.2	-	Tatabánya
25	8:42:27.5	48.549N	20.728E	1.7	-	Bódvaszilás
25	8:44:31.9	48.876N	20.494E	2.0	-	Slovakia
25	8:54:31.4	46.043N	22.805E	1.5	-	Romania
26	7:02:55.4	46.750N	22.851E	1.6	-	Romania
26	8:06:59.2	48.495N	20.710E	1.5	-	Bódvarákó
26	12:21:07.6	47.561N	16.336E	1.3	-	Austria
26	12:36:56.8	46.306N	22.976E	1.6	-	Romania
27	8:39:04.1	48.659N	18.720E	1.9	-	Slovakia
27	10:33:32.2	45.697N	16.736E	1.9	-	Croatia
30	10:33:43.7	47.092N	19.375E	1.8	-	Tatárszentgyörgy
30	11:17:01.1	45.706N	17.273E	1.5	-	Croatia
30	12:00:25.7	47.603N	16.331E	0.6	-	Austria
30	12:22:36.9	48.157N	21.282E	2.3	-	Mezőzombor

OKTÓBER / OCTOBER, 2024

01	9:45:11.5	47.793N	19.141E	1.8	-	Vác
02	6:44:44.7	46.141N	18.073E	1.0	-	Abaliget

**Hypocenter Parameters**

**Földrengés paraméterek**

02	9:14:58.3	46.835N	17.284E	1.9	-	Vállus
02	10:27:07.7	46.128N	21.702E	1.7	-	Romania
03	6:13:07.2	48.190N	21.278E	1.8	-	Mád
03	9:29:09.5	47.314N	18.461E	1.5	-	Pátka
03	9:29:31.1	47.323N	18.440E	1.4	-	Zámoly
03	12:01:32.5	48.812N	21.577E	2.0	-	Slovakia
04	8:20:29.2	46.227N	18.272E	1.0	-	Kisbattyán
04	8:44:25.5	48.423N	19.533E	1.6	-	Slovakia
07	7:16:37.1	46.043N	22.817E	2.1	-	Romania
07	7:29:23.3	46.131N	18.069E	1.0	-	Abaliget
07	7:53:09.7	48.663N	21.478E	1.7	-	Slovakia
07	11:04:46.9	48.556N	20.779E	1.5	-	Tornanádaska
07	11:30:51.9	48.644N	20.854E	1.5	-	Slovakia
07	12:53:13.7	45.825N	17.184E	1.6	-	Croatia
08	8:26:02.0	47.176N	18.219E	1.3	-	Csór
08	8:53:12.5	48.040N	16.110E	1.1	-	Austria
08	10:12:09.3	48.671N	19.051E	1.7	-	Slovakia
08	11:39:00.4	47.527N	18.449E	1.4	-	Szárlliget
10	10:01:17.6	47.904N	16.088E	1.1	-	Austria
10	10:19:59.5	48.388N	21.759E	1.6	-	Slovakia
10	10:37:36.5	48.362N	19.836E	1.6	-	Slovakia
11	8:20:10.7	47.268N	18.224E	0.9	-	Kincsesbánya
11	9:07:08.4	48.339N	19.875E	2.2	-	Slovakia
11	10:10:37.5	48.837N	21.662E	1.9	-	Slovakia
11	11:43:53.7	47.551N	16.346E	1.0	-	Austria
12	8:24:15.2	46.157N	18.299E	1.2	-	Vasas
14	9:10:04.9	47.175N	18.300E	0.9	-	Sárkeszi
14	12:04:58.4	48.677N	21.438E	1.5	-	Slovakia
15	8:24:35.1	48.439N	21.787E	1.6	-	Slovakia
15	8:38:35.8	48.396N	17.273E	1.9	-	Slovakia
15	9:30:45.0	47.272N	18.227E	0.9	-	Kincsesbánya
15	14:13:21.9	47.307N	16.365E	1.8	-	Austria
16	6:19:08.9	47.885N	19.089E	1.6	-	Berkenye
16	7:26:57.3	47.857N	20.164E	1.6	-	Tarnaszentmária
16	8:21:43.9	46.812N	17.261E	2.4	-	Cserszegtomaj
16	9:32:45.4	46.026N	22.793E	1.6	-	Romania
16	9:44:03.4	47.910N	16.095E	1.0	-	Austria
17	10:00:18.5	48.130N	16.886E	1.8	-	Austria
18	6:54:10.9	48.482N	20.938E	1.3	-	Szászfa
18	11:03:16.2	46.155N	18.019E	1.2	-	Hetvehely
21	5:31:21.4	47.298N	18.375E	1.6	-	Zámoly
21	6:45:29.0	48.430N	17.498E	2.0	-	Slovakia
21	7:03:09.3	47.298N	18.346E	1.5	-	Magyaralmás
21	8:01:55.8	47.873N	16.079E	1.1	-	Austria
21	8:19:45.3	47.830N	19.187E	1.9	-	Kosd
21	8:24:28.9	48.900N	21.086E	1.5	-	Slovakia
21	8:25:55.1	48.428N	17.235E	1.9	-	Slovakia
21	9:35:37.2	47.209N	18.288E	1.0	-	Iszkaszentgyörgy
21	9:50:20.9	48.850N	21.667E	2.0	-	Slovakia
21	10:11:59.0	47.256N	17.661E	1.2	-	Németbánya
21	10:29:18.2	47.367N	17.635E	1.1	-	Csót
21	11:00:10.8	46.123N	21.712E	1.6	-	Romania
22	8:33:59.8	48.793N	19.403E	1.7	-	Slovakia
22	8:58:26.5	46.167N	18.310E	0.9	-	Zobákpuszta
22	9:46:04.9	48.620N	20.764E	1.5	-	Slovakia
22	9:53:59.1	47.314N	18.491E	1.9	-	Pátka
22	12:39:03.1	47.410N	16.226E	1.5	-	Austria
22	13:10:24.5	47.554N	18.442E	1.3	-	Tatabánya
22	14:34:03.4	47.112N	19.381E	1.7	-	Örkény
23	6:47:53.4	46.050N	22.820E	1.7	-	Romania

## Földrengés paraméterek

## Hypocenter Parameters

23	9:46:32.8	46.003N	22.844E	1.7	-	Romania
23	10:00:26.8	48.147N	16.859E	1.9	-	Austria
23	13:30:17.3	47.553N	16.354E	1.3	-	Austria
24	6:48:13.4	48.861N	21.806E	1.6	-	Slovakia
24	7:45:14.4	47.883N	16.083E	1.1	-	Austria
24	8:26:49.9	48.391N	17.323E	2.1	-	Slovakia
24	8:34:17.8	48.600N	20.757E	1.6	-	Slovakia
24	9:00:18.5	46.884N	17.274E	1.9	-	Várkölygy
24	9:17:09.7	47.210N	18.286E	0.8	-	Iszka-szentgyörgy
25	6:26:45.5	47.879N	19.102E	1.6	-	Berkenye
25	7:17:13.1	48.977N	21.285E	1.8	-	Slovakia
25	8:23:06.7	47.908N	20.405E	1.4	-	Eger
25	12:03:02.4	47.309N	18.392E	2.0	-	Zámoly
26	9:06:58.5	46.139N	18.317E	1.0	-	Vasas
28	8:55:42.7	47.882N	16.088E	1.0	-	Austria
28	10:27:28.6	48.594N	20.763E	1.5	-	Slovakia
29	8:08:48.1	48.897N	21.051E	1.8	-	Slovakia
29	10:10:02.3	47.212N	18.265E	0.7	-	Iszka-szentgyörgy
29	11:35:43.7	47.796N	19.703E	1.6	-	Apc
30	8:34:07.6	48.630N	20.734E	1.5	-	Slovakia
30	9:18:25.9	48.433N	17.240E	1.9	-	Slovakia
30	15:31:35.9	48.215N	21.251E	2.3	-	Rátka
31	9:41:28.1	47.838N	16.028E	0.8	-	Austria
31	10:06:12.6	47.244N	18.247E	0.7	-	Iszka-szentgyörgy
31	12:00:11.9	48.129N	16.863E	1.9	-	Austria

## NOVEMBER / NOVEMBER, 2024

04	14:23:34.5	47.564N	16.362E	0.8	-	Austria
04	15:23:12.6	48.612N	20.805E	1.4	-	Slovakia
05	7:31:34.5	47.320N	18.461E	1.2	-	Pátka
05	9:29:41.3	48.074N	19.640E	1.8	-	Nógrádmegyer
05	10:56:19.5	48.702N	19.142E	1.9	-	Slovakia
06	6:55:20.3	47.874N	19.203E	1.5	-	Felsőpetény
06	10:10:24.6	47.227N	18.265E	0.9	-	Iszka-szentgyörgy
06	10:50:38.7	47.899N	19.115E	1.4	-	Rétság
07	9:41:02.8	47.556N	18.666E	1.3	-	Szomor
07	9:42:11.4	48.611N	20.758E	1.5	-	Slovakia
07	10:02:20.1	47.205N	18.307E	0.7	-	Székesfehérvár
07	10:03:41.4	48.958N	21.302E	1.5	-	Slovakia
07	10:37:50.1	47.846N	16.037E	1.0	-	Austria
07	11:20:25.7	47.213N	18.223E	0.7	-	Csór
07	13:10:11.4	46.064N	22.051E	1.3	-	Romania
08	6:45:05.0	48.024N	20.356E	1.6	-	Mónosbél
08	9:43:20.2	48.579N	20.764E	1.5	-	Tornanádaska
08	11:44:37.6	47.047N	17.842E	1.2	-	Nemesvámos
10	14:34:43.8	48.724N	22.285E	1.5	-	Ukraine
11	9:15:47.1	47.891N	20.152E	1.8	-	Tarnaszentmária
11	10:16:43.4	48.788N	21.629E	1.5	-	Slovakia
12	9:15:55.5	47.872N	19.114E	1.4	-	Szendehely
12	9:19:25.4	48.421N	17.211E	1.9	-	Slovakia
12	9:46:26.5	48.333N	19.899E	1.8	-	Slovakia
12	10:06:31.3	47.243N	18.267E	0.9	-	Iszka-szentgyörgy
12	10:11:19.5	48.087N	21.355E	1.5	-	Taktabáj
12	10:51:07.1	47.307N	18.436E	1.9	-	Zámoly
12	11:00:20.4	48.147N	16.853E	2.0	-	Austria
12	11:24:09.5	46.307N	22.986E	1.6	-	Romania
12	11:37:14.6	48.381N	19.835E	1.4	-	Slovakia
12	11:41:11.9	47.823N	19.181E	1.4	-	Kosd
12	14:35:18.5	47.553N	16.341E	1.7	-	Austria
13	7:17:37.0	46.798N	17.267E	1.5	-	Cserszegtomaj

**Hypocenter Parameters**

**Földrengés paraméterek**

13	10:02:09.7	48.595N	20.833E	1.8	-	Slovakia
13	10:39:47.5	46.774N	17.311E	1.8	-	Keszthely
13	11:10:53.8	47.549N	18.444E	1.3	-	Tatabánya
14	9:07:20.7	48.618N	21.375E	1.8	-	Slovakia
14	9:17:44.8	47.927N	19.368E	1.9	-	Becske
14	10:07:33.0	48.947N	21.272E	1.8	-	Slovakia
14	10:11:03.5	47.705N	18.514E	1.8	-	Lábatlan
14	10:45:45.2	47.870N	16.041E	1.6	-	Austria
14	11:04:04.2	47.942N	20.157E	1.5	-	Szajla
14	12:17:52.1	48.552N	22.631E	2.0	-	Ukraine
15	9:48:39.4	47.087N	17.829E	1.4	-	Márkó
16	9:36:40.8	46.240N	18.238E	1.4	-	Mecsekpölöske
18	8:52:49.6	46.041N	22.792E	1.8	-	Romania
18	11:20:00.8	48.857N	21.381E	1.9	-	Slovakia
19	7:38:29.3	48.011N	20.335E	1.3	-	Szarvaskó
19	8:58:52.0	47.885N	16.060E	0.7	-	Austria
19	9:43:01.5	47.200N	18.306E	0.9	-	Székesfehérvár
19	9:59:03.3	48.342N	19.870E	1.8	-	Slovakia
19	10:10:39.3	47.230N	18.288E	1.0	-	Iszkaszentgyörgy
19	10:59:45.7	48.146N	16.838E	1.8	-	Austria
19	12:23:32.8	47.671N	18.393E	1.5	-	Agostyán
19	13:14:48.3	48.874N	20.658E	1.4	-	Slovakia
20	7:23:17.3	47.885N	19.110E	1.6	-	Berkenye
20	8:59:43.9	46.167N	18.304E	0.9	-	Zobákpuszta
20	9:23:08.4	48.868N	20.987E	1.4	-	Slovakia
20	9:35:08.8	47.894N	16.073E	1.3	-	Austria
20	9:42:51.3	48.633N	20.836E	1.4	-	Slovakia
20	10:02:40.5	48.619N	21.281E	1.7	-	Slovakia
20	12:55:34.0	47.247N	18.257E	1.0	-	Iszkaszentgyörgy
21	7:17:47.2	46.035N	22.793E	1.5	-	Romania
21	8:35:44.7	47.328N	18.427E	1.2	-	Zámoly
21	9:02:46.0	46.027N	22.800E	1.7	-	Romania
21	9:51:03.0	48.417N	17.273E	2.0	-	Slovakia
21	10:09:23.0	48.530N	20.828E	1.6	-	Becskeháza
22	10:08:53.6	48.598N	20.777E	1.4	-	Slovakia
22	10:26:09.6	47.279N	18.365E	1.5	-	Magyaralmás
22	10:47:08.7	48.806N	21.639E	1.9	-	Slovakia
25	8:23:46.3	47.843N	19.123E	1.7	-	Szendehely
25	9:23:07.5	47.976N	16.092E	1.6	-	Austria
25	10:22:26.4	48.522N	20.791E	1.9	-	Tornaszentandrás
25	10:47:53.9	47.331N	18.390E	1.9	-	Zámoly
25	12:47:48.9	47.918N	20.327E	1.5	-	Egerbakta
25	15:35:17.6	47.121N	19.295E	2.4	3.5	Kunpeszér
25	17:16:09.3	47.089N	19.358E	1.8	-	Tatárszentgyörgy
26	8:57:04.3	47.708N	18.734E	1.6	-	Csolnok
26	10:29:40.8	48.404N	17.211E	2.2	-	Slovakia
26	10:54:48.6	47.227N	18.261E	0.8	-	Iszkaszentgyörgy
26	11:00:42.4	47.568N	18.388E	1.3	-	Tatabánya
26	12:33:06.5	47.830N	16.036E	0.7	-	Austria
26	12:36:46.5	47.863N	16.055E	0.9	-	Austria
26	14:23:50.8	47.143N	19.249E	2.2	-	Kunpeszér (10 km)
26	14:43:31.4	47.115N	19.295E	2.3	-	Kunpeszér
27	8:07:51.5	48.539N	17.357E	1.9	-	Slovakia
27	10:12:20.1	48.685N	22.265E	2.0	-	Ukraine
27	14:23:50.7	47.141N	19.251E	2.1	-	Kunpeszér (10 km)
27	14:42:43.7	47.134N	19.241E	2.1	-	Kunpeszér (10 km)
28	9:52:56.8	48.621N	21.445E	1.7	-	Slovakia
28	11:59:00.0	48.239N	21.262E	2.0	-	Tállya
29	7:48:34.6	47.207N	18.294E	0.8	-	Moha
29	9:13:02.2	49.000N	21.265E	1.8	-	Slovakia

**Földrengés paraméterek**

**Hypocenter Parameters**

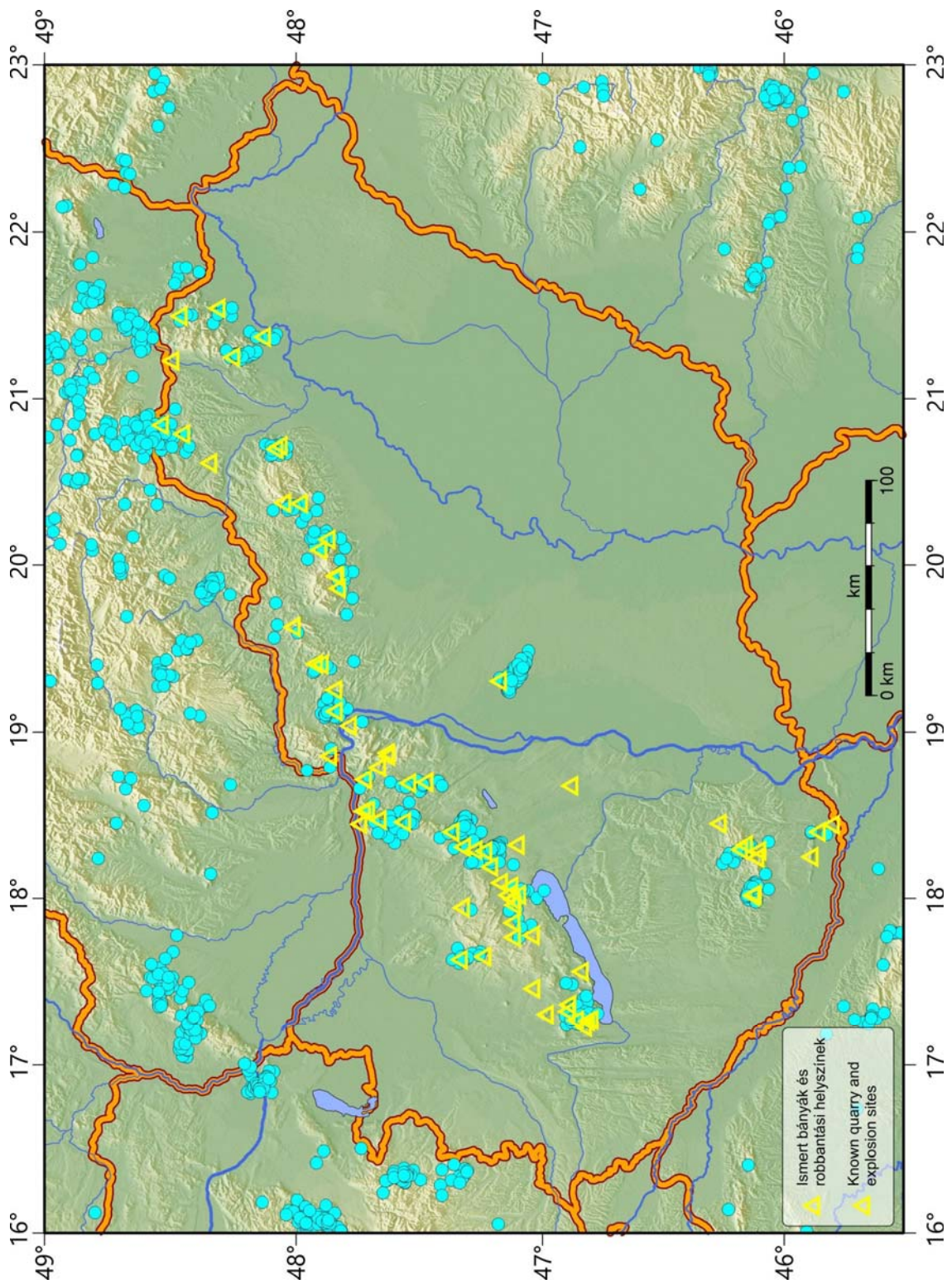
29	9:37:37.4	48.313N	21.503E	1.2	-	Hercegkút
29	14:02:49.0	47.095N	19.376E	2.1	-	Tatárszentgyörgy
29	14:21:07.4	47.085N	19.344E	2.1	-	Tatárszentgyörgy
30	9:54:12.6	46.162N	18.300E	1.1	-	Zobákpuszta
30	15:00:04.0	45.694N	21.841E	1.1	-	Romania
DECEMBER / DECEMBER, 2024						
02	8:27:04.6	48.033N	20.344E	1.5	-	Mónosbél
02	8:55:19.0	45.882N	18.396E	1.3	-	Villánykövesd
02	10:25:35.7	47.985N	16.091E	1.5	-	Austria
02	11:22:30.9	47.332N	17.653E	1.5	-	Bakonyszűcs
02	11:26:50.2	46.314N	22.951E	1.8	-	Romania
02	14:52:28.3	47.104N	19.306E	2.1	-	Kunpeszér
02	15:12:20.5	47.130N	19.280E	2.1	-	Kunpeszér
03	8:39:57.3	47.250N	18.399E	1.2	-	Sárkereszttes
03	9:34:03.9	47.767N	19.425E	1.7	-	Erdőkürt
03	9:47:15.0	48.608N	20.741E	1.7	-	Slovakia
03	10:35:05.1	47.264N	18.213E	0.9	-	Kincsesbánya
03	10:43:36.7	47.882N	19.104E	1.5	-	Berkenye
03	11:22:51.2	47.296N	18.414E	2.2	-	Zámoly
04	8:33:53.8	48.630N	21.457E	1.6	-	Slovakia
04	8:35:37.6	47.324N	17.625E	1.3	-	Ugod
04	8:44:23.8	47.079N	19.387E	2.0	-	Tatárszentgyörgy
04	9:01:26.4	47.077N	19.396E	1.9	-	Tatárszentgyörgy
04	9:21:52.9	48.585N	20.782E	1.7	-	Slovakia
04	9:22:54.2	47.093N	19.328E	1.9	-	Tatárszentgyörgy
04	9:49:03.4	47.140N	19.303E	2.0	-	Örkény
04	12:24:57.2	47.617N	18.460E	1.5	-	Vérttestolna
05	8:30:26.9	48.464N	21.465E	1.4	-	Bózsva
05	8:39:07.6	48.736N	20.794E	1.5	-	Slovakia
05	9:20:52.3	47.333N	18.408E	1.8	-	Zámoly
05	10:00:21.8	47.287N	18.217E	0.7	-	Kincsesbánya
05	10:04:42.0	48.434N	17.248E	2.0	-	Slovakia
05	10:17:31.4	47.319N	18.434E	1.7	-	Zámoly
05	10:34:39.1	46.749N	22.812E	1.7	-	Romania
06	8:27:57.0	48.158N	21.366E	1.5	-	Bodrogkeresztúr
06	10:07:09.2	48.804N	21.119E	1.7	-	Slovakia
06	11:52:47.1	47.311N	18.317E	1.5	-	Söréd
06	13:55:07.8	47.134N	19.322E	2.1	-	Örkény
06	14:07:31.2	47.137N	19.256E	2.1	-	Kunpeszér
09	8:03:21.2	47.282N	18.347E	1.6	-	Magyaralmás
09	10:05:37.8	48.411N	17.282E	2.0	-	Slovakia
09	10:24:21.0	48.579N	20.803E	1.4	-	Tornanádaska
09	11:00:38.8	48.107N	16.916E	1.9	-	Austria
09	12:07:01.7	47.930N	20.160E	1.5	-	Recsk
09	13:18:11.4	47.820N	16.013E	1.4	-	Austria
09	16:09:56.3	47.090N	19.344E	1.7	-	Tatárszentgyörgy
09	16:32:47.7	47.082N	19.390E	1.8	-	Tatárszentgyörgy
10	9:17:34.7	47.960N	20.295E	1.7	-	Egerbakta
10	12:03:08.7	46.069N	21.817E	1.6	-	Romania
10	15:36:19.8	47.088N	19.442E	2.0	-	Táborfalva
10	15:56:00.5	47.099N	19.408E	1.8	-	Örkény
11	8:08:19.2	46.037N	22.806E	1.6	-	Romania
11	8:10:45.2	46.081N	22.808E	1.9	-	Romania
11	9:22:51.7	47.874N	19.121E	1.6	-	Nőtincs
11	10:15:00.7	48.330N	19.863E	1.6	-	Slovakia
11	10:47:27.8	45.660N	22.091E	1.5	-	Romania
11	13:09:43.8	47.874N	16.065E	1.4	-	Austria
11	14:59:13.5	48.987N	20.769E	1.7	-	Slovakia
11	15:11:14.3	47.090N	19.373E	2.0	-	Tatárszentgyörgy

## Hypocenter Parameters

## Földrengés paraméterek

11	15:35:46.3	47.125N	19.311E	1.9	-	Örkény
11	20:23:33.1	47.081N	19.387E	1.6	-	Tatárszentgyörgy
12	8:06:56.5	45.887N	18.397E	1.0	-	Villánykövesd
12	8:13:57.1	47.925N	20.199E	1.6	-	Sirok
12	9:10:48.7	46.147N	18.320E	0.8	-	Vasas
12	9:23:14.7	48.564N	20.767E	1.9	-	Tornanádaska
12	10:07:16.5	48.848N	20.516E	2.0	-	Slovakia
12	11:06:04.6	48.707N	21.493E	1.9	-	Slovakia
13	8:29:35.2	48.574N	20.742E	1.5	-	Tornanádaska
13	9:02:11.1	46.196N	18.285E	1.3	-	Komló
13	9:54:05.7	48.944N	21.175E	1.8	-	Slovakia
13	11:21:29.7	47.538N	18.454E	1.1	-	Tatabánya
14	8:43:51.8	45.924N	22.718E	1.8	-	Romania
16	9:00:37.9	48.638N	20.721E	1.6	-	Slovakia
16	9:35:40.0	48.866N	20.519E	1.9	-	Slovakia
16	10:23:36.8	45.751N	17.355E	1.5	-	Croatia
16	12:50:09.3	46.249N	21.899E	1.9	-	Romania
16	14:37:46.5	47.564N	16.344E	1.6	-	Austria
17	9:58:21.4	48.620N	20.750E	1.7	-	Slovakia
17	10:20:58.3	48.408N	17.288E	2.1	-	Slovakia
17	10:22:18.7	48.812N	21.849E	1.5	-	Slovakia
18	4:42:17.4	46.015N	22.094E	1.3	-	Romania
18	8:42:31.9	47.944N	16.134E	1.2	-	Austria
18	8:55:29.4	48.597N	20.728E	1.3	-	Slovakia
18	11:54:50.0	46.314N	22.933E	1.6	-	Romania
18	12:50:49.7	46.120N	21.710E	1.6	-	Romania
19	10:15:15.4	47.870N	16.078E	1.5	-	Austria
19	10:52:25.6	46.134N	21.748E	1.8	-	Romania
19	11:55:52.0	46.121N	21.725E	1.9	-	Romania
20	9:02:44.4	46.047N	22.848E	2.0	-	Romania
20	9:12:22.7	46.038N	22.794E	1.6	-	Romania
20	9:23:24.9	45.687N	22.081E	1.5	-	Romania
21	9:56:47.3	47.960N	16.060E	1.8	-	Austria





**3.3. ábra** A 2024-ben regisztrált robbantások epicentrumai

**Figure 3.3.** Epicenters of 2024 explosions

## FÉSZEKPARAMÉTEREK ÉS FÁZISADATOK

A listában alkalmazott jelek és rövidítések magyarázata:

time:	Az esemény kipattanásának ideje (óra:perc:másodperc; UTC).
ML:	A rengés Richter-féle lokális magnitúdója.
lat:	Az esemény földrajzi szélessége (fok).
lon:	Az esemény földrajzi hosszúsága (fok).
h:	A fészek mélysége (km).
erh:	Horizontális hiba km-ben. ( $erh = \sqrt{SDX^2 + SDY^2}$ , ahol $SDX$ és $SDY$ az epicentrum földrajzi szélességének és hosszúságának meghatározási hibái.) Ha $erh = ---$ , a kevés rendelkezésre álló adat miatt $erh$ nem volt meghatározható.
erz:	A fészekmélység meghatározásának hibája (km). $erz = ---$ azt jelzi, hogy $erz$ nem volt meghatározható a kevés rendelkezésre álló adat miatt.
nr:	A számításnál felhasznált fázisadatok száma. Azonos állomásról származó P és S beérkezések 2 adatnak számítanak.
gap:	Az állomások közötti legnagyobb irányeltérés (fok).
rms:	A számított beérkezési idők átlagnégyzetes hibája (mp). ( $rms = \sqrt{\sum R_i^2 / nr}$ , ahol $R_i$ az $i$ -edik állomás időhibája (reziduál).)
Locality:	A rengés földrajzi helyének megnevezése, általában a legközelebbi település neve.
Comments:	Az eseménnyel kapcsolatos egyéb közlemény (pl. epicentrális intenzitás).
sta:	Az állomás neve. (L. 2. fejezet.)
dist:	Az állomás távolsága az epicentrumtól (km).
azm:	Az állomás irányszöge az epicentrumtól az északi iránytól számítva (fok).
phase:	Fázis azonosító; az első betű a kezdetet jellemzi: $e$ = lassan emelkedő $i$ = hirtelen kitérő; a második és harmadik betű a fázis megnevezése pl. Pn, Pg, Sn, Sg; a negyedik a kitérési irányt jelzi: C=kompreszió/fel, D=dilatáció/le. A *-gal jelzett fázisok nem lettek használva a hipocentrum számításához.
hr mn sec:	A fázis beérkezési ideje (óra, perc, másodperc).
res:	Reziduál (másodperc). ( $res = T_{obs} - T_{cal}$ , ahol $T_{obs}$ a mért, és $T_{cal}$ a számított menetidő.)
*	A fázis a számításnál nem volt használva

Minden rengésnél, ahol elegendő számú első kitérési adat állt rendelkezésre, megkíséreltük a fészekmechanizmus meghatározását. Az ábrákon az alsó félteke sztereografikus képe látható, „x” jelöli a fő feszültségtengelyek helyzetét. A „●” jelöli a kompressziós, a „○” dilatációs első elmozdulásokat.

A fészekmechanizmusokat a 3.3. ábra foglalja össze.

## PHASE DATA

## Key to phase data encoding

time:	Time of occurrence of event in hours, mins and secs (UTC).
ML:	Richter local magnitude of the earthquake.
lat:	Latitude of the event in degrees.
lon:	Longitude of the event in degrees.
h:	Depth of the hypocenter in km.
erh:	Standard error of the epicenter in km. ( $erh = \sqrt{SDX^2 + SDY^2}$ , where $SDX$ and $SDY$ are the standard errors in latitude and longitude respectively, of the epicenter.) If $erh = ---$ , this means that $erh$ could not be computed because of insufficient data.
erz:	Standard error of the focal depth in km. If $erz = ---$ , this means that $erz$ could not be computed either because focal depth is fixed in the solution or because of insufficient data.
nr:	Number of station readings used in locating the earthquake. P and S arrivals for the same stations are regarded as 2 readings.
gap:	Largest azimuthal separation in degrees between stations.
rms:	Root mean square error of time residuals in seconds. ( $rms = \sqrt{\sum R_i^2 / nr}$ , where $R_i$ is the time residual of the $i^{th}$ station.
Locality:	A geographical indication of the epicenter area, usually the nearest settlement.
Comments:	Additional comments about the event, eg. maximum intensity
sta:	Station name. (For details see Chapter 2.)
dist:	Distance from earthquake epicenter to station in km.
azm:	Azimuthal angle between epicenter to station measured from North in degrees.
phase:	Phase identifier; the first letter characterizes onset $e$ = emergent $i$ = impulsive, the second and third indicate the phase eg. Pn, Pg, Sn and Sg, the fourth indicates the polarity C=compression/up D=dilatation/down. Phases signed by * are not used for hypocenter calculaton.
hr mn sec:	Arrival time of the phase from input data.
res:	Residual of the phase in secs. ( $res = T_{obs} - T_{cal}$ , where $T_{obs}$ is the observed and $T_{cal}$ is the calculated travel time respectively.
*	Phase is excluded from the calculation.

Fault plane solutions were attempted for each event where any information for the stress field could be drawn. Stereographic projections of the lower focal hemisphere are shown, „x” denotes the main stress axis. „●” compressional first motion; „○” dilatational first motion. Strike, dip and slip values of the nodal planes are also indicated. Calculations were carried out by computer program FPFIT (Reasenber and Oppenheimer, 1985).

Fault plane solution results are summarized in Fig. 3.3.

## Hypocenter Parameters

## Földrengés paraméterek

1.  
 2024-01-02 time: 9:37:41.03 UTC ML= 1.3  
 lat: 48.606N lon: 20.810E h= 0.0 km  
 erh= 2.8km erz= 749km  
 nr= 8 gap=130 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.6	240	Pg	9:37:46.03	0.08
			Sg	37:49.55	-0.24
ABAH	46.9	137	Pg	9:37:49.79	0.39
			Sg	37:55.65	-0.28
PSZ	102.3	222	Pg	9:38:00.03	0.73
			Sg	38:12.23	-1.32
KOLS	113.5	71	Sg	9:38:16.30	-0.82
LANS	115.6	302	Pg	9:38:01.56	-0.11

2.

2024-01-02 time: 16:17:36.73 UTC ML= 1.2  
 lat: 48.039N lon: 20.370E h= 0.9 km  
 erh= 0.8km erz=63.6km  
 nr= 7 gap=121 rms=0.15  
 Locality: Mónosbél  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	37.9	249	Pg	16:17:43.53	0.02
			Sg	17:48.79	-0.01
KECS	50.1	10	Pg	16:17:45.64	-0.04
			Sg	17:52.46	-0.20
ABAH	70.7	66	Pg	16:17:49.65	0.29
			Sg	17:59.07	-0.14
BSZH	82.6	185	Sg	16:18:02.88	-0.10

3.

2024-01-02 time: 18:44:30.51 UTC ML= 2.6  
 lat: 45.689N lon: 21.855E h= 10.8 km  
 erh= 1.6km erz= 1.2km  
 nr= 24 gap=124 rms=0.49  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.3	247	PgU	18:44:34.53	-0.08
			Sg	44:37.27	-0.54
SURR	22.2	71	Pg	18:44:35.15	0.23
			Sg	44:38.15	-0.20
TIM	49.7	276	Pg	18:44:39.15	-0.44
			Sg	44:46.77	0.10
BANR	65.7	239	Pg	18:44:42.94	0.53
			Sg	44:51.97	0.28
GZR	79.1	115	Pg	18:44:44.97	0.19
			Sg	44:54.95	-0.95
DRGR	139.2	28	Pn	18:44:54.23	0.71
			Sn	45:10.75	-0.72
CJR	176.2	50	Pn	18:45:00.54	2.40
			Sn	45:23.06	3.37*
PKS6	203.9	300	Pn	18:45:02.37	0.78
			Sn	45:25.36	-0.47
PKB3	221.5	292	Sn	18:45:28.93	-0.80
VOIR	251.0	96	Sn	18:45:36.61	0.33
MORH	255.7	283	Pn	18:45:07.68	-0.38
			Sn	45:35.91	-1.43
PKSM	255.9	283	Pn	18:45:07.68	-0.39
PKB1	265.8	297	Pn	18:45:09.40	0.09
TRPA	276.3	11	Pn	18:45:10.57	-0.05
PKSV	281.0	275	Pn	18:45:11.32	0.11
PSZ	289.5	329	Pn	18:45:11.85	-0.41
PKSG	326.2	305	Pn	18:45:16.65	-0.20*
KECS	327.5	341	ePn	18:45:16.80	-0.21*
PKST	341.4	301	Pn	18:45:19.54	0.80*

MODS 458.4 311 ePn 18:45:33.80 0.47\*  
 eSn 46:20.30 -2.02\*

4.

2024-01-02 time: 18:50:21.52 UTC ML= 0.8  
 lat: 45.653N lon: 21.887E h= 0.8 km  
 erh= 2.2km erz=58.4km  
 nr= 6 gap=160 rms=0.38  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.5	259	Pg	18:50:25.17	-0.18
			Sg	50:27.81	-0.54
SURR	21.6	59	Pg	18:50:25.80	0.42
			Sg	50:27.89	-0.51
BANR	66.0	243	Sg	18:50:42.90	0.41
GZR	75.3	113	Sg	18:50:45.58	0.14

5.

2024-01-02 time: 18:58:34.62 UTC ML= 1.6  
 lat: 45.680N lon: 21.894E h= 13.0 km  
 erh= 2.8km erz= 2.5km  
 nr= 9 gap=126 rms=0.45  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	19.8	65	Pg	18:58:39.48	0.64
			Sg	58:41.86	-0.28
BZS	22.7	252	Pg	18:58:38.97	-0.32
			Sg	58:41.51	-1.43
TIM	52.8	277	Pg	18:58:44.29	-0.04
BANR	67.8	241	Pg	18:58:47.38	0.43
			Sg	58:56.72	0.15
GZR	75.9	115	Sg	18:58:58.83	-0.27
DRGR	138.8	27	Sn	18:59:14.62	-0.37

6.

2024-01-02 time: 19:29:34.59 UTC ML= 2.2  
 lat: 45.671N lon: 21.882E h= 11.4 km  
 erh= 1.6km erz= 1.4km  
 nr= 15 gap=127 rms=0.38  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	21.1	64	Pg	19:29:39.18	0.31
			Sg	29:42.42	0.21
BZS	21.5	254	PgU	19:29:38.57	-0.37
			Sg	29:41.81	-0.53
TIM	52.0	278	Pg	19:29:44.17	0.08
BANR	66.5	241	Pg	19:29:47.11	0.46
			Sg	29:56.00	-0.05
GZR	76.4	114	Pg	19:29:48.68	0.29
			Sg	29:58.78	-0.38
DEV	82.9	73	Sg	19:30:00.46	-0.73
DRGR	140.0	27	Pn	19:29:57.90	0.28
			Sn	30:15.00	-0.59
CJR	176.0	49	Sn	19:30:27.26	3.68*
LTVH	190.5	0	Sn	19:30:27.23	0.44
MORH	258.2	284	Pn	19:30:12.17	-0.19
PKSM	258.4	283	Pn	19:30:11.78	-0.60

**Földrengés paraméterek**

**Hypocenter Parameters**

7.  
 2024-01-02 time: 20:31:39.11 UTC ML= 2.4  
 lat: 45.676N lon: 21.873E h= 8.5 km  
 erh= 2.1km erz= 2.0km  
 nr= 18 gap=126 rms=0.54  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.1	252	Pg	20:31:42.94	-0.23
			Sg	31:45.40	-0.93
SURR	21.4	66	PgD	20:31:43.65	0.42
TIM	51.2	278	Pg	20:31:48.73	0.35
			Sg	31:56.23	0.61
BANR	66.2	240	Pg	20:31:51.25	0.21
			Sg	32:00.20	-0.14
GZR	77.3	114	Pg	20:31:53.34	0.34
			Sg	32:03.17	-0.66
DEV	83.4	74	Sg	20:32:04.62	-1.13
DRGR	139.8	28	Pn	20:32:02.80	0.31
			Sn	32:19.46	-1.27
CJR	176.1	49	Sn	20:32:31.78	2.99*
LTVH	189.9	1	Sn	20:32:31.65	-0.20
BSZH	218.5	326	Pn	20:32:12.74	0.43
VOIR	249.5	96	Sn	20:32:46.09	1.02
MORH	257.4	283	Pn	20:32:17.03	-0.13
PKSM	257.6	283	Pn	20:32:16.66	-0.52

8.  
 2024-01-03 time: 12:57:42.17 UTC ML= 1.4  
 lat: 47.855N lon: 16.052E h= 0.0 km  
 erh= 3.7km erz= 5.7km  
 nr= 7 gap=123 rms=1.25  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.4	300	Pg	12:57:45.52	0.42
			Sg	57:49.27	1.88
RONA	25.2	133	Pg	12:57:47.24	0.57
			Sg	57:51.62	1.44
ARSA	78.2	211	Sg	12:58:05.22	-1.80
KRUC	136.5	11	Pn	12:58:05.53	-0.70
			Sn	58:22.58	-2.42

9.  
 2024-01-04 time: 9:01:28.31 UTC ML= 1.4  
 lat: 48.583N lon: 20.797E h= 0.0 km  
 erh= 2.4km erz= 4.8km  
 nr= 11 gap= 92 rms=1.22  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.5	244	Pg	9:01:33.23	0.36
			Sg	01:36.83	0.41
ABAH	45.7	134	Pg	9:01:37.77	1.31
			Sg	01:43.80	0.98
STHS	98.4	19	Pg	9:01:47.24	1.37
NIE	99.5	339	Sg	9:01:59.45	-0.50
PSZ	99.7	222	Sg	9:01:58.98	-1.04
LANS	116.2	303	Pg	9:01:49.12	0.06
			Sg	02:02.74	-2.51
TRPA	138.5	111	Pn	9:01:51.70	-0.92
			Sn	02:08.45	-3.13

10.  
 2024-01-04 time: 21:46:53.51 UTC ML= 2.0  
 lat: 45.688N lon: 21.877E h= 8.4 km  
 erh= 3.5km erz= 3.3km  
 nr= 13 gap=125 rms=0.66  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	20.6	69	Pg	21:46:57.98	0.50
			Sg	47:01.03	0.46
BZS	21.8	249	Pg	21:46:57.43	-0.25
			Sg	46:59.93	-1.00
TIM	51.4	276	Pg	21:47:03.06	0.26
BANR	67.2	240	Pg	21:47:06.12	0.52
			Sg	47:14.90	-0.13
GZR	77.5	115	Pg	21:47:08.07	0.64
			Sg	47:16.76	-1.54
DEV	82.7	75	Pg	21:47:07.84	-0.51
			Sg	47:18.75	-1.17
DRGR	138.5	28	Pn	21:47:17.46	0.72
			Sn	47:33.90	-0.96

11.  
 2024-01-04 time: 21:49:26.59 UTC ML= 1.7  
 lat: 45.694N lon: 21.851E h= 10.0 km  
 erh= 3.3km erz= 2.6km  
 nr= 8 gap=144 rms=0.42  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.2	245	Pg	21:49:30.65	0.04
			Sg	49:33.23	-0.52
SURR	22.3	73	Pg	21:49:31.16	0.21
			Sg	49:34.29	-0.07
BANR	65.8	238	Pg	21:49:39.06	0.60
			Sg	49:47.67	-0.06
GZR	79.7	115	Sg	21:49:51.07	-1.03
DRGR	138.9	29	Sn	21:50:07.32	-0.33

12.  
 2024-01-04 time: 22:05:19.02 UTC ML= 0.8  
 lat: 45.681N lon: 21.853E h= 2.7 km  
 erh= 1.3km erz= 1.1km  
 nr= 6 gap=180 rms=0.08  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.8	249	Pg	22:05:22.48	-0.11
			Sg	05:25.53	0.16
SURR	22.6	69	Pg	22:05:23.11	0.01
			Sg	05:26.24	-0.03
TIM	49.6	277	Sg	22:05:34.81	-0.01
DRGR	140.1	28	Pn	22:05:43.22	0.04

13.  
 2024-01-05 time: 4:09:28.62 UTC ML= 0.4  
 lat: 45.748N lon: 21.802E h= 0.1 km  
 erh= 1.7km erz= 254km  
 nr= 5 gap=180 rms=0.10  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.5	225	Pg	4:09:32.26	-0.03
			Sg	09:35.16	0.01
SURR	25.1	88	Pg	4:09:33.20	0.10
			Sg	09:36.33	-0.26

## Hypocenter Parameters

## Földrengés paraméterek

TIM 45.3 268 Sg 4:09:43.04 0.03

14.

2024-01-05 time: 9:03:08.73 UTC ML= 1.5  
 lat: 48.597N lon: 20.768E h= 0.0 km  
 erh= 2.2km erz= 6.8km  
 nr= 10 gap= 91 rms=0.69  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.4	239	Pg	9:03:13.93	0.85
			Sg	03:16.83	0.36
ABAH	48.4	134	Pg	9:03:17.69	0.33
			Sg	03:23.64	-0.46
STHS	97.6	21	Sg	9:03:40.07	0.32
PSZ	99.5	221	Pg	9:03:26.69	0.20
			Sg	03:39.37	-0.98
LANS	113.5	303	Pg	9:03:28.96	-0.04
			Sg	03:43.44	-1.37
TRPA	141.2	112	Sn	9:03:50.40	-2.18

15.

2024-01-06 time: 10:33:37.08 UTC ML= 1.1  
 lat: 45.811N lon: 21.765E h= 0.7 km  
 erh= 3.4km erz= 128km  
 nr= 5 gap=204 rms=0.22  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	24.5	208	Pg	10:33:41.59	0.14
			Sg	33:44.79	-0.07
SURR	28.7	103	Pg	10:33:42.39	0.19
			Sg	33:45.60	-0.59
TIM	43.1	259	Pg	10:33:44.67	-0.11

16.

2024-01-06 time: 17:32:44.00 UTC ML= 1.1  
 lat: 48.044N lon: 20.009E h= 10.0 km  
 erh= 3.4km erz= 6.5km  
 nr= 5 gap=184 rms=0.16  
 Locality: Ivád  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	16.4	212	Pg	17:32:47.60	0.17
			Sg	32:50.05	-0.05
KECS	60.3	36	Pg	17:32:54.74	-0.17
			Sg	33:03.63	0.20
BSZH	85.0	167	Sg	17:33:11.06	-0.14

17.

2024-01-07 time: 0:49:39.59 UTC ML= 3.2  
 lat: 46.404N lon: 16.068E h= 10.9 km  
 erh= 1.1km erz= 0.9km  
 nr=112 gap= 42 rms=0.90  
 Locality: Croatia  
 Comments: Slovenia

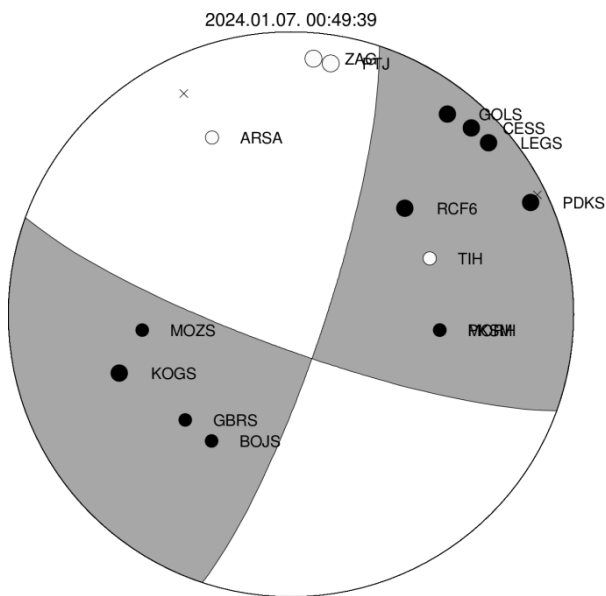
sta	dist	azm	phase	hr mn sec	res
RCF6	11.5	227	PgU	0:49:42.92	0.50
			Sg	49:45.02	0.40
KOGS	14.8	71	PgU	0:49:43.26	0.39
			Sg	49:46.14	0.70
GROS	44.0	278	Pg	0:49:47.70	0.02
			Sg	49:53.73	-0.26
DOBS	54.2	238	ePg	0:49:49.60	0.15
			iSg	49:57.07	-0.08
BEHE	54.8	82	Pg	0:49:50.19	0.62

GOLS	55.5	218	iPgC	0:49:50.20	0.51
			iSg	49:57.32	-0.26
PTJ	56.7	189	PgD	0:49:50.17	0.27
			Sg	49:57.15	-0.79
R971	63.1	184	Pg	0:49:51.32	0.30
ZAG	64.2	185	PgD	0:49:51.76	0.55
			Sg	49:59.81	-0.47
CESS	66.9	224	iPgC	0:49:52.01	0.32
			eSg	49:59.98	-1.15
GCIS	68.7	210	iPg	0:49:52.03	0.02
			eSg	50:00.40	-1.31
LEGS	77.0	229	iPgC	0:49:53.60	0.14
			iSg	50:03.28	-1.01
PERS	77.4	289	Pg	0:49:53.38	-0.17
			Sg	50:04.28	-0.16
CRES	79.8	216	Pg	0:49:53.84	-0.13
			Sg	50:04.15	-1.03
ZAVS	80.3	272	iPg	0:49:54.00	-0.06
			iSg	50:03.66	-1.68
SOKA	85.1	291	Pg	0:49:54.18	-0.72
			Sg	50:05.60	-1.25
PDKS	91.0	245	iPgC	0:49:55.87	-0.07
			iSg	50:06.93	-1.77
ARSA	102.9	336	P*D	0:49:56.83	-1.13
			S*	50:10.55	-1.74
VNDS	110.6	252	iPn	0:49:58.85	-0.17
			eSn	50:12.37	-1.81
VISS	116.1	235	iPn	0:49:59.64	-0.07
			iSn	50:14.68	-0.72
OBKA	117.3	276	Pn	0:50:00.12	0.27
			Sn	50:15.10	-0.56
BOJS	118.4	212	iPnC	0:50:00.05	0.07
			eSn	50:14.42	-1.47
LJU	125.5	251	iPn	0:50:01.30	0.43
			eSn	50:17.27	-0.19
MOZS	125.7	264	iPnC	0:50:01.27	0.38
			iSn	50:17.10	-0.41
R93E	128.7	150	Pn	0:50:01.45	0.18
GBAS	136.0	247	iPn	0:50:02.57	0.39
			iSn	50:19.95	0.15
GBRS	137.6	225	iPnC	0:50:02.85	0.47
			Pn	0:50:02.35	-0.45
MPLH	141.0	53	Sn	50:19.13	-1.78
			iPn	0:50:03.74	0.57
CRNS	143.9	256	eSn	50:23.02	1.46
			Pn	0:50:03.84	0.53
RONA	145.1	7	Sn	50:20.18	-1.63
			ePn	0:50:04.10	0.55
CEY	147.0	240	eSn	50:23.46	1.22
			Pn	0:50:03.70	0.15
SOP	147.0	15	Sn	50:20.79	-1.45
			Pn	0:50:04.78	1.08
EGYH	148.1	41	Sn	50:21.31	-1.19
			PnD	0:50:03.38	-0.57
TIH	150.2	68	ePn	0:50:05.80	0.69
			eSn	50:25.24	0.22
GORS	159.5	267	Pn	0:50:04.32	-0.92
			Sn	50:22.16	-3.10
KNDS	163.1	233	iPn	0:50:05.92	0.36
JAVS	164.9	250	iPn	0:50:06.21	0.43
			eSn	50:28.08	1.86
CONA	170.2	355	Pn	0:50:09.74	3.30
			Pn	0:50:05.70	-0.83
PKS9	170.9	83	iPn	0:50:07.42	0.59
			eSn	50:30.30	2.23
VOJS	173.3	256	Pn	0:50:09.55	2.55
			Sn	50:32.02	3.63
ROB8	174.7	249	Pn	0:50:09.92	2.56
			Pn	0:50:06.62	-0.82
PKST	177.6	58	Sn	50:31.73	2.56
			Pn	0:50:08.27	0.52
PKSV	178.2	109	ePn	0:50:08.27	0.52
			iPn	0:50:08.98	0.62
CADS	180.6	264	eSn	50:31.17	0.37
			Pn	0:50:09.59	0.94
SKDS	185.6	239	Sn	50:31.95	0.63
MYKA	187.9	278	Pn	0:50:09.59	0.94
			Sn	50:31.95	0.63

**Földrengés paraméterek**

WINA	189.3	0	Pn	0:50:09.35	0.52
			Sn	50:32.27	0.63
TRI	194.3	247	Pn	0:50:09.50	0.05
			Sn	50:37.24	4.49*
PKB4	195.1	87	Pn	0:50:13.46	3.91
ROBS	197.9	265	ePn	0:50:10.37	0.48
CSKK	198.2	57	Pn	0:50:13.53	3.59
PKSM	199.4	96	PnU	0:50:08.76	-1.32
			Sn	50:32.13	-1.74
MORH	199.5	96	PnU	0:50:08.75	-1.35
			Sn	50:31.96	-1.95
BLY	203.6	155	Pn	0:50:14.04	3.44
			Sn	50:33.56	-1.24
PKSG	208.3	58	Pn	0:50:14.60	3.41
MOA	211.0	320	Pn	0:50:13.45	1.92
			Sn	50:36.74	0.29
ZST	214.0	21	Pn	0:50:11.90	-0.01
SRO	231.5	47	Pn	0:50:13.86	-0.23
BIOA	233.6	308	Pn	0:50:15.88	1.53
			Sn	50:40.51	-0.96
PKB3	240.4	89	Pn	0:50:14.23	-0.97
PKS2	241.9	88	Pn	0:50:14.20	-1.18
ABNA	256.5	349	Pn	0:50:18.56	1.36
			Sn	50:46.44	-0.10
ABTA	275.2	278	Pn	0:50:20.75	1.21
			Sn	50:52.17	1.46
LESA	282.1	294	Pn	0:50:21.85	1.45
			Sn	50:53.23	0.99
JAVC	298.3	24	Pn	0:50:22.78	0.36
TREC	324.3	352	ePn	0:50:27.90	2.24*
			eSn	51:01.10	-0.50*
VRAC	325.3	7	Pn	0:50:25.61	-0.17*
			Sn	51:00.27	-1.55*
PSZ	335.4	60	Pn	0:50:26.44	-0.61*
WTTA	351.4	286	Pn	0:50:30.60	1.57*
			Sn	51:09.98	2.37*
KHC	356.0	328	ePn	0:50:31.70	2.08*
			eSn	51:08.50	-0.14*
WATA	357.8	287	Pn	0:50:31.33	1.50*
			Sn	51:09.98	0.95*
ZVC	365.4	337	ePn	0:50:33.10	2.32*
			eSn	51:08.90	-1.82*
SQTA	381.8	284	Pn	0:50:34.62	1.79*
MORC	390.8	16	Pn	0:50:34.27	0.32*
			Sn	51:13.86	-2.49*
MOTA	392.7	285	Pn	0:50:35.71	1.53*
			Sn	51:19.01	2.24*
LANS	397.7	40	ePn	0:50:35.60	0.79*
KECS	405.5	55	ePn	0:50:36.40	0.61*
KRLC	411.6	7	ePn	0:50:37.50	0.95*
			eSn	51:19.40	-1.58*
OKC	411.9	22	ePn	0:50:36.90	0.31*
			eSn	51:18.80	-2.25*
FETA	414.0	280	Pn	0:50:39.04	2.20*
			Sn	51:24.00	2.50*
PRU	414.4	344	ePn	0:50:38.10	1.21*
			eSn	51:19.00	-2.59*
RETA	421.5	287	Pn	0:50:39.08	1.30*
			Sn	51:25.19	2.01*
PRA	425.4	343	ePn	0:50:39.70	1.44*
			eSn	51:21.80	-2.23*
BZS	438.6	102	Pn	0:50:38.88	-1.03*
ABAH	443.8	62	Pn	0:50:40.24	-0.31*
DAVA	482.1	282	Pn	0:50:46.58	1.25*
			Sn	51:36.01	-0.61*
NKC	503.4	328	ePn	0:50:49.10	1.11*
			eSn	51:38.80	-2.54*

**Hypocenter Parameters**



18.

2024-01-08 time: 4:01:56.15 UTC ML= 1.8  
 lat: 47.674N lon: 20.346E h= 14.6 km  
 erh= 2.4km erz= 2.6km  
 nr= 11 gap= 97 rms=0.48  
 Locality: Tenk  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	43.4	309	Pg	4	02	04.62	0.30
			Sg			02:10.66	-0.04
PENC	80.9	279	Pg	4	02	11.08	0.26
			Sg			02:20.64	-1.63
KECS	90.6	7	S*	4	02	25.21	0.28
PKSN	93.6	203	P*	4	02	12.71	-0.06
ABAH	96.1	44	P*	4	02	13.46	0.30
			S*			02:25.96	-0.46
PKS7	113.4	232	Sn	4	02	30.12	-0.40
LT VH	121.4	105	Sn	4	02	31.91	-0.39
PKB1	153.7	230	Sn	4	02	41.66	2.20

19.

2024-01-08 time: 11:00:21.11 UTC ML= 1.8  
 lat: 48.149N lon: 16.865E h= 0.0 km  
 erh= 3.7km erz= \*\*\*km  
 nr= 12 gap=104 rms=1.16  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	39.5	51	Sg	11	00	33.30	-0.37
RONA	65.6	220	Pg	11	00	33.16	0.34
			Sg			00:41.79	-0.17
CONA	78.8	252	Pg	11	00	35.96	0.79
			Sg			00:45.90	-0.25
EGYH	88.5	157	Sg	11	00	48.65	-0.60
JAVC	98.9	37	Pg	11	00	41.11	2.34
KRUC	107.3	341	Pg	11	00	41.00	0.73
			Sg			00:54.31	-0.91
MPLH	120.0	155	Sg	11	00	57.23	-2.02
VRAC	130.5	351	Pg	11	00	43.65	-0.76
			Sg			01:00.24	-2.35

## Hypocenter Parameters

## Földrengés paraméterek

20.  


---

 2024-01-08 time: 23:46:30.18 UTC ML= 0.9  
 lat: 45.667N lon: 21.848E h= 10.0 km  
 erh= 4.8km erz= 5.0km  
 nr= 6 gap=175 rms=0.26  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.9	253	Pg	23:46:34.32	0.32
			Sg	46:36.85	-0.12
SURR	23.6	66	Pg	23:46:34.84	0.07
			Sg	46:37.98	-0.36
TIM	49.5	279	Pg	23:46:39.26	0.06
BANR	64.0	240	Sg	23:46:50.25	-0.53

21.  


---

 2024-01-09 time: 9:01:04.40 UTC ML= 1.7  
 lat: 45.929N lon: 16.011E h= 5.2 km  
 erh= 1.4km erz= 1.3km  
 nr= 8 gap=127 rms=0.23  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.2	232	Pg	9:01:05.45	-0.26
			Sg	01:06.92	0.19
ZAG	11.2	187	Pg	9:01:06.68	0.09
			Sg	01:08.15	-0.16
CRES	44.5	255	Pg	9:01:12.74	0.34
			Sg	01:18.19	-0.46
KOGS	60.6	18	Pg	9:01:15.29	0.03
BLY	160.1	145	Sn	9:01:51.26	-0.02

22.  


---

 2024-01-09 time: 9:36:02.46 UTC ML= 1.3  
 lat: 48.617N lon: 20.740E h= 0.0 km  
 erh= 4.1km erz= 937km  
 nr= 6 gap=192 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.9	232	Pg	9:36:07.37	0.63
			Sg	36:10.38	0.30
ABAH	51.4	134	Pg	9:36:11.85	0.21
			Sg	36:18.25	-0.55
PSZ	99.9	219	Sg	9:36:33.54	-0.67
LANS	110.6	302	Sg	9:36:36.70	-0.91

23.  


---

 2024-01-09 time: 10:11:59.37 UTC ML= 1.5  
 lat: 46.153N lon: 18.039E h= 0.0 km  
 erh= 2.1km erz= 3.1km  
 nr= 14 gap=220 rms=0.47  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	8.5	147	PgU	10:12:00.86	-0.04
			Sg	12:02.06	-0.03
PKSV	33.7	151	Pg	10:12:05.11	-0.28
			Sg	12:09.24	-0.84
PKSM	47.0	82	Pg	10:12:08.12	0.36
			Sg	12:13.98	-0.32
MORH	47.2	81	Pg	10:12:08.23	0.42
			Sg	12:14.37	-0.02
PKB4	57.9	49	Pg	10:12:10.39	0.68
			Sg	12:16.88	-0.89
PKB1	91.0	39	Pg	10:12:15.85	0.23

PKB3	94.0	71	Pg	10:12:16.26	0.10
PKS6	127.4	67	Sg	10:12:37.18	-2.70*
PKSG	140.3	11	Sn	10:12:41.96	-1.08

24.  


---

 2024-01-10 time: 9:02:34.56 UTC ML= 1.2  
 lat: 48.442N lon: 20.680E h= 0.0 km  
 erh= 4.1km erz= 813km  
 nr= 5 gap=184 rms=0.39  
 Locality: Varbóc  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	15.1	288	Pg	9:02:36.80	-0.45
			Sg	02:39.58	0.22
ABAH	44.5	111	Pg	9:02:42.90	0.40
			Sg	02:48.26	-0.44
PSZ	82.5	225	Sg	9:03:01.08	0.31

25.  


---

 2024-01-10 time: 18:15:19.02 UTC ML= 1.4  
 lat: 45.712N lon: 21.821E h= 7.5 km  
 erh= 4.3km erz= 2.3km  
 nr= 8 gap=157 rms=0.15  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.1	236	Pg	18:15:22.66	-0.03
			Sg	15:25.68	0.13
SURR	24.1	79	Pg	18:15:23.46	-0.07
			Sg	15:26.96	-0.09
BANR	64.8	236	Sg	18:15:39.75	-0.02
DRGR	138.3	30	Pn	18:15:42.43	0.09
			Sn	15:58.76	-1.77*
CJR	176.6	51	Pn	18:15:47.24	0.11

26.  


---

 2024-01-10 time: 20:19:45.06 UTC ML= 1.5  
 lat: 47.418N lon: 19.219E h= 10.5 km  
 erh= 1.3km erz= 1.2km  
 nr= 23 gap= 87 rms=0.50  
 Locality: Gyál  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BUD	16.4	296	Sg	20:19:52.13	0.88
SF5A	18.1	46	Pg	20:19:48.54	-0.25
			Sg	19:51.25	-0.45
PKS7	41.4	186	Pg	20:19:52.75	0.06
			Sg	19:59.04	0.40
PENC	41.7	7	Pg	20:19:53.03	0.30
			Sg	19:58.62	-0.10
PKSG	62.6	267	Sg	20:20:04.83	-0.39
PSZ	75.3	42	Pg	20:19:58.54	-0.10
			Sg	20:07.54	-1.69
PKB1	77.5	205	Pg	20:19:58.73	-0.30
			Sg	20:09.41	-0.51
BSZH	80.3	99	Sg	20:20:11.14	0.35
PKST	91.2	259	Sg	20:20:13.32	-0.93
PKB5	98.6	202	Pg	20:20:03.28	0.52
			Sg	20:15.74	-0.83
PKB4	112.6	205	Pn	20:20:04.87	0.08
			Sn	20:19.15	-1.03
PKS9	116.8	218	Pn	20:20:06.06	0.75
			Sn	20:21.10	0.00
MORH	140.6	198	Sn	20:20:26.39	0.00
PKSM	141.1	198	Pn	20:20:09.06	0.72
			Sn	20:26.31	-0.19



## Földrengés paraméterek

## Hypocenter Parameters

27.

2024-01-11 time: 7:31:27.51 UTC ML= 1.3  
 lat: 45.606N lon: 18.177E h= 0.0 km  
 erh= 4.1km erz= 495km  
 nr= 8 gap=325 rms=0.36  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	32.0	11	Pg	7:31:32.89	-0.33
			Sg	31:38.54	0.86
KOVH	54.0	354	Pg	7:31:37.28	0.13
			Sg	31:44.26	-0.41
PKSM	76.4	28	Pg	7:31:41.26	0.10
			Sg	31:51.14	-0.66
MORH	76.9	28	Pg	7:31:41.51	0.26
			Sg	31:52.00	0.04

28.

2024-01-11 time: 9:06:47.29 UTC ML= 1.0  
 lat: 48.427N lon: 20.714E h= 0.0 km  
 erh= 2.3km erz= 455km  
 nr= 5 gap=180 rms=0.21  
 Locality: Szalonna  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	18.0	290	Pg	9:06:50.61	0.10
			Sg	06:52.85	-0.17
ABAH	41.6	111	Pg	9:06:54.48	-0.23
			Sg	07:00.90	0.40
PSZ	83.2	227	Sg	9:07:13.82	0.09

29.

2024-01-11 time: 10:27:55.70 UTC ML= 0.8  
 lat: 47.205N lon: 18.271E h= 0.0 km  
 erh= 2.1km erz= 653km  
 nr= 9 gap=142 rms=0.49  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.6	357	Pg	10:27:58.94	0.09
			Sg	28:00.94	-0.36
PKST	18.9	289	Pg	10:27:59.06	-0.02
			Sg	28:01.61	-0.10
PKSG	22.7	24	Pg	10:28:00.20	0.45
			Sg	28:02.47	-0.44
MORH	113.6	165	Sg	10:28:31.11	-0.69
PKSM	114.0	166	Pg	10:28:16.75	0.70
			Sg	28:30.68	-1.24

30.

2024-01-11 time: 10:35:28.36 UTC ML= 1.2  
 lat: 47.872N lon: 16.057E h= 0.0 km  
 erh= 1.4km erz= 2.4km  
 nr= 7 gap=126 rms=0.53  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.9	293	Pg	10:35:31.48	0.29
			Sg	35:33.81	0.40
RONA	26.2	137	Pg	10:35:33.35	0.31
			Sg	35:37.01	0.31
ARSA	79.9	210	Sg	10:35:53.06	-0.69
KRUC	134.7	11	Pn	10:35:51.97	-0.22
			Sn	36:08.96	-1.81

31.

2024-01-11 time: 10:54:12.19 UTC ML= 1.2  
 lat: 48.539N lon: 20.690E h= 0.0 km  
 erh= 6.5km erz= \*\*\*km  
 nr= 7 gap=176 rms=1.11  
 Locality: Bódvaszilás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	16.3	248	Pg	10:54:15.92	0.81
			Sg	54:18.39	1.01
ABAH	48.8	124	Pg	10:54:21.57	0.66
			Sg	54:27.29	-0.42
PSZ	90.9	221	Sg	10:54:38.67	-2.40
LANS	112.6	307	Pg	10:54:32.39	0.10
			Sg	54:45.79	-2.18

32.

2024-01-11 time: 21:17:15.18 UTC ML= 1.8  
 lat: 45.666N lon: 21.890E h= 10.3 km  
 erh= 1.8km erz= 1.7km  
 nr= 8 gap=131 rms=0.27  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	20.7	62	Pg	21:17:19.62	0.31
			Sg	17:22.21	-0.33
BZS	22.0	255	Pg	21:17:19.31	-0.21
BANR	66.8	242	Pg	21:17:27.39	0.13
			Sg	17:36.41	-0.27
GZR	75.6	114	Sg	21:17:39.44	0.00
DRGR	140.2	27	Pn	21:17:38.53	0.15
			Sn	17:54.23	-2.24*

33.

2024-01-12 time: 5:48:59.40 UTC ML= 1.3  
 lat: 45.737N lon: 21.814E h= 12.9 km  
 erh= 4.9km erz= 8.1km  
 nr= 7 gap=176 rms=0.59  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.4	229	Pg	5:49:04.57	0.87
			Sg	49:06.68	-0.38
SURR	24.2	86	Pg	5:49:04.80	0.50
			Sg	49:07.85	-0.27
TIM	46.2	270	Pg	5:49:07.63	-0.33
BANR	66.0	233	Sg	5:49:20.42	-0.36
GZR	84.3	117	Sg	5:49:25.45	-1.05

34.

2024-01-12 time: 7:30:19.63 UTC ML= 1.5  
 lat: 48.102N lon: 20.656E h= 0.0 km  
 erh= 3.8km erz= 5.7km  
 nr= 8 gap=187 rms=0.63  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	44.3	343	Pg	7:30:27.98	0.44
			Sg	30:33.32	-0.38
ABAH	48.5	64	Pg	7:30:28.52	0.24
			Sg	30:34.27	-0.76
PSZ	60.4	250	Pg	7:30:30.68	0.27
LANS	145.9	323	Sg	30:37.92	-0.90
			Pn	7:30:45.27	0.42
Sn	31:01.66	-2.86			

## Hypocenter Parameters

## Földrengés paraméterek

35.

2024-01-12 time: 9:05:11.85 UTC ML= 1.5  
 lat: 48.599N lon: 20.790E h= 0.0 km  
 erh= 1.3km erz= 158km  
 nr= 6 gap=255 rms=0.10  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.9	240	Pg	9:05:16.52	0.05
			Sg	05:19.86	-0.22
ABAH	47.3	135	Pg	9:05:20.25	-0.05
			Sg	05:26.93	0.03
PSZ	100.7	221	Pg	9:05:29.96	0.12
			Sg	05:43.78	-0.09

36.

2024-01-12 time: 11:58:44.51 UTC ML= 2.0  
 lat: 47.316N lon: 16.383E h= 0.0 km  
 erh= 2.0km erz= 4.3km  
 nr= 23 gap= 66 rms=0.95  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	43.0	18	Sg	11:58:58.15	-0.01
RONA	43.2	351	Pg	11:58:52.30	0.08
			Sg	58:57.82	-0.42
ARSA	65.5	264	Pg	11:58:56.12	-0.08
			Sg	59:04.47	-0.85
EGYH	72.5	81	Sg	11:59:06.79	-0.78
CONA	78.6	330	Pg	11:58:59.64	1.10
			Sg	59:09.05	-0.44
MPLH	89.0	100	Pg	11:59:00.94	0.53
			Sg	59:11.07	-1.74
KOGS	97.0	186	Pg	11:59:02.83	1.01
			Sg	59:14.51	-0.82
BEHE	98.6	162	Pg	11:59:03.67	1.55
RCF6	113.9	196	Sg	11:59:19.20	-1.51
GROS	116.4	215	Pg	11:59:05.54	0.25
			Sg	59:19.75	-1.74
PERS	122.5	232	Pg	11:59:07.41	1.03
			Sg	59:21.53	-1.91
SOKA	124.8	235	Pg	11:59:06.55	-0.25
MODS	135.3	30	Pn	11:59:08.50	0.08
			Sn	59:24.59	-2.48
KRUC	194.2	0	Pn	11:59:16.46	0.71
			Sn	59:39.00	-1.12

37.

2024-01-13 time: 3:04:04.50 UTC ML= 1.2  
 lat: 48.089N lon: 19.945E h= 3.3 km  
 erh= 1.8km erz=13.6km  
 nr= 5 gap=211 rms=0.10  
 Locality: Bárna  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	19.4	191	PgU	3:04:07.93	-0.08
			Sg	04:10.82	0.07
KECS	59.4	42	Pg	3:04:15.25	0.13
			Sg	04:23.29	-0.11
ABAH	98.9	77	Sg	3:04:35.90	-0.06

38.

2024-01-13 time: 9:14:22.61 UTC ML= 1.7  
 lat: 45.553N lon: 21.115E h= 10.0 km  
 erh= 2.9km erz= 1.3km  
 nr= 6 gap=227 rms=0.15  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	19.0	175	Pg	9:14:26.35	-0.10
			Sg	14:29.58	0.14
BZS	39.8	80	Pg	9:14:30.01	0.07
			Sg	14:35.25	-0.40
GZR	131.1	98	Pn	9:14:44.75	0.03
DRGR	184.8	42	Sn	9:15:14.07	0.20

39.

2024-01-13 time: 9:59:24.14 UTC ML= 1.6  
 lat: 45.528N lon: 21.189E h= 10.0 km  
 erh= 7.5km erz= 2.3km  
 nr= 7 gap=237 rms=0.39  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	16.8	194	PgU	9:59:27.31	-0.32
			Sg	59:30.66	0.31
BZS	34.8	74	Pg	9:59:31.02	0.41
			Sg	59:35.71	0.05
SURR	77.2	71	Pg	9:59:37.77	-0.27
GZR	125.1	97	Pn	9:59:45.82	0.32
			Sn	10:00:01.07	-1.09

40.

2024-01-15 time: 8:23:42.30 UTC ML= 1.0  
 lat: 47.491N lon: 18.700E h= 0.0 km  
 erh= 6.0km erz= 5.9km  
 nr= 10 gap=157 rms=0.87  
 Locality: Herceghalom  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PBUD	23.7	97	Sg	8:23:51.04	1.20
BUD	24.4	92	Sg	8:23:50.18	0.11
PKSG	25.8	245	Pg	8:23:47.96	1.06
			Sg	23:50.75	0.26
CSKK	36.0	247	Sg	8:23:53.86	0.11
MPLH	94.7	248	Sg	8:24:11.19	-1.20
PSZ	101.5	62	Sg	8:24:13.13	-1.43
EGYH	103.5	265	Sg	8:24:14.82	-0.37
PKSM	142.2	182	Pn	8:24:07.29	0.22
			Sn	24:24.95	-1.44

41.

2024-01-15 time: 9:16:08.45 UTC ML= 2.0  
 lat: 47.806N lon: 19.907E h= 0.0 km  
 erh= 3.4km erz= 5.7km  
 nr= 10 gap= 93 rms=1.32  
 Locality: Gyöngyössolymos  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	12.5	356	Pg	9:16:12.24	1.55
			Sg	16:13.35	0.92
PENC	46.9	268	Sg	9:16:23.84	0.50
			Pg	9:16:20.83	1.22
BSZH	62.5	154	Sg	16:28.16	-0.15
			Pg	9:16:34.84	-1.19
KECS	86.8	30	Sg	9:16:43.47	-1.00
ABAH	113.3	61	Sg	9:16:43.47	-1.00
PKSG	123.0	248	Sg	9:16:46.52	-1.01

## Földrengés paraméterek

## Hypocenter Parameters

CSKK 133.3 248 Sn 9:16:47.61 -2.94  
 PKST 153.5 247 Sn 9:16:53.71 -1.34

42.

2024-01-15 time: 9:21:06.36 UTC ML= 1.6  
 lat: 46.147N lon: 17.993E h= 0.0 km  
 erh= 3.6km erz= 5.9km  
 nr= 15 gap=198 rms=0.83  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	10.5	128	PgU	9:21:08.32	0.08
			Sg	21:09.26	-0.44
PKSV	35.1	145	PgU	9:21:12.89	0.27
			Sg	21:15.98	-1.52
PKSM	50.6	82	Pg	9:21:15.67	0.28
			Sg	21:21.72	-0.71
MORH	50.9	81	Pg	9:21:15.71	0.27
			Sg	21:21.80	-0.72
PKB4	61.0	50	Pg	9:21:18.01	0.76
			Sg	21:25.12	-0.62
PKB5	75.8	49	Pg	9:21:21.53	1.64
PKB1	93.7	41	Pg	9:21:23.48	0.39
MPLH	118.9	343	Sg	9:21:42.70	-1.45
PKST	123.6	1	Sg	9:21:43.87	-1.79
PKSG	141.7	12	Sn	9:21:49.57	-0.75

43.

2024-01-15 time: 9:42:13.18 UTC ML= 1.9  
 lat: 48.753N lon: 20.861E h= 0.0 km  
 erh= 3.5km erz= \*\*\*km  
 nr= 8 gap=109 rms=0.83  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	40.8	223	Pg	9:42:21.54	1.07
			Sg	42:26.01	-0.15
ABAH	58.0	151	Pg	9:42:24.33	0.80
			Sg	42:31.42	-0.19
NIE	84.2	332	Sg	9:42:39.22	-0.72
KOLS	105.5	79	Pg	9:42:31.90	-0.12
			Sg	42:45.76	-0.96
PSZ	117.3	218	Sg	9:42:48.70	-1.75

44.

2024-01-16 time: 7:30:09.18 UTC ML= 1.0  
 lat: 47.958N lon: 16.099E h= 0.0 km  
 erh= 2.5km erz= 5.0km  
 nr= 7 gap=139 rms=0.54  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.1	260	Pg	7:30:12.41	0.00
			Sg	30:14.79	-0.13
RONA	32.3	153	Pg	7:30:15.25	0.31
			Sg	30:18.96	-0.48
KRUC	124.7	10	Pg	7:30:32.24	0.79
			Sg	30:47.87	-0.95
VRAC	154.5	14	Sn	7:30:55.15	-0.85

45.

2024-01-16 time: 8:03:45.94 UTC ML= 1.5  
 lat: 45.628N lon: 17.338E h= 0.0 km  
 erh= 9.9km erz= 5.3km  
 nr= 10 gap=211 rms=0.85  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	76.7	68	Pg	8:04:00.35	0.71
			Sg	04:10.06	-0.27
KOVH	78.2	49	Pg	8:04:01.09	1.19
			Sg	04:11.70	0.91
PKSM	120.1	57	Pg	8:04:07.27	-0.11
			Sg	04:22.97	-1.14
MORH	120.5	57	Pg	8:04:07.27	-0.19
			Sg	04:23.28	-0.97
PKB4	137.5	45	Sn	8:04:27.59	-1.38
CRES	148.1	279	Sn	8:04:30.09	-1.24

46.

2024-01-16 time: 8:14:37.52 UTC ML= 1.5  
 lat: 47.687N lon: 18.568E h= 0.0 km  
 erh= 2.0km erz= 3.0km  
 nr= 11 gap=230 rms=0.43  
 Locality: Nagysáp  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	23.7	306	Pg	8:14:41.77	0.02
			Sg	14:45.57	0.52
PKSG	35.4	202	Pg	8:14:43.78	-0.07
			Sg	14:49.17	0.39
CSKK	42.8	213	Pg	8:14:45.53	0.37
			Sg	14:51.40	0.27
PKST	62.3	220	Sg	8:14:56.88	-0.45
MPLH	96.6	233	Sg	8:15:07.87	-0.34
EGYH	97.8	252	Sg	8:15:08.54	-0.06
MODS	122.9	308	Sg	8:15:14.45	-2.12
PKSM	164.1	178	Sn	8:15:25.40	-1.06

47.

2024-01-16 time: 12:43:39.73 UTC ML= 2.1  
 lat: 47.320N lon: 18.395E h= 0.0 km  
 erh= 1.8km erz= 2.4km  
 nr= 40 gap= 75 rms=1.26  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.0	358	Pg	12:43:41.17	0.00
			Sg	43:41.76	-0.52
CSKK	11.3	295	Pg	12:43:42.25	0.50
			Sg	43:42.96	-0.36
PKST	28.1	256	Pg	12:43:45.89	1.13
			Sg	43:48.90	0.23
PBUD	49.3	71	Sg	12:43:56.86	1.45
BUD	50.8	69	Sg	12:43:55.60	-0.29
SRO	55.2	354	Sg	12:43:55.41	-1.88
PKB1	66.7	153	Sg	12:44:00.89	-0.05
MPLH	66.9	256	Pg	12:43:53.10	1.42
			Sg	44:00.60	-0.40
PKS9	81.9	186	Sg	12:44:03.83	-1.95
PKB5	84.6	162	Sg	12:44:07.43	0.79
PENC	84.8	52	Sg	12:44:05.96	-0.73
PKB4	92.9	170	Sg	12:44:09.25	-0.02
PKS2	111.1	146	Sg	12:44:14.74	-0.32
PKB3	116.8	149	Sg	12:44:16.18	-0.67
MORH	124.2	171	Pg	12:44:02.39	0.48
			Sg	44:17.12	-2.09
PKSM	124.6	171	Pg	12:44:02.49	0.51
			Sg	44:17.59	-1.75
PSZ	130.9	59	Pn	12:44:03.48	0.39
			Sn	44:20.17	-1.14
ZST	137.4	315	Sn	12:44:21.18	-1.58
KOVH	138.7	189	Sn	12:44:22.14	-0.91
MODS	144.0	324	Sn	12:44:22.14	-2.07
SOP	144.2	286	Sn	12:44:22.33	-1.93
PKSV	159.5	184	Sn	12:44:27.04	-0.61
RONA	163.7	285	Pn	12:44:07.14	-0.03

## Hypocenter Parameters

Station	Latitude	Longitude	Depth (km)	ML
JAVC	179.5	342	Sn 12:44:30.79	-1.30
KOGS	190.0	239	Pn 12:44:14.64	4.17
CONA	202.1	290	Pn 12:44:15.50	3.53
			Sn 44:37.04	-0.07
KECS	202.9	50	Pn 12:44:15.09	3.02
ARSA	217.4	268	Sn 12:44:40.38	-0.13
ABAH	239.1	63	Pn 12:44:18.09	1.51
			Sn 44:51.88	6.56*
GROS	240.3	247	Sn 12:44:46.34	0.75
MORC	280.4	347	Sn 12:44:53.59	-0.90

48.

2024-01-16 time: 15:14:48.32 UTC ML= 0.2  
 lat: 47.464N lon: 18.192E h= 4.1 km  
 erh= 1.7km erz= 6.9km  
 nr= 6 gap=213 rms=0.12  
 Locality: Bokod  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	12.3	155	Pg	15:14:50.70	0.07
			Sg	14:52.50	0.06
PKSG	17.0	118	Sg	15:14:53.59	-0.27
PKST	25.7	208	Pg	15:14:53.07	0.11
			Sg	14:56.43	-0.16
EGYH	65.1	265	Sg	15:15:09.02	-0.03

49.

2024-01-16 time: 16:53:37.03 UTC ML= 0.5  
 lat: 45.662N lon: 21.859E h= 12.8 km  
 erh= 4.4km erz= 3.5km  
 nr= 6 gap=142 rms=0.48  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.6	255	Pg	16:53:41.55	0.34
			Sg	53:44.09	-0.37
SURR	23.1	64	Pg	16:53:42.26	0.52
			Sg	53:44.60	-0.81
GZR	77.7	113	Sg	16:54:01.51	-0.54
DRGR	141.7	28	Sn	16:54:18.02	-0.08

50.

2024-01-16 time: 18:08:21.94 UTC ML= 1.7  
 lat: 46.086N lon: 17.092E h= 10.9 km  
 erh= 1.8km erz= 1.4km  
 nr= 25 gap= 80 rms=0.69  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	49.1	330	Pg	18:08:31.39	0.46
			Sg	08:37.81	-0.13
KOGS	76.3	302	Pg	18:08:36.12	0.41
			Sg	08:46.23	-0.22
KOVH	78.0	90	Pg	18:08:37.36	1.36
			Sg	08:46.12	-0.84
PTJ	90.3	257	Sg	18:08:49.64	-1.20
RCF6	91.6	287	Sg	18:08:50.17	-1.09
PKSV	92.5	104	Pg	18:08:38.52	-0.06
			Sg	08:50.90	-0.66
TIH	109.4	34	Sn	18:08:55.44	-0.81
PKSM	120.5	83	Pn	18:08:42.47	-0.13
			Sn	08:57.93	-0.79
MORH	120.8	83	Pn	18:08:42.39	-0.24
			Sn	08:58.31	-0.47
PKB4	125.1	69	Pn	18:08:42.84	-0.33
			Sn	09:00.51	0.77
MPLH	125.3	16	Sn	18:08:59.69	-0.08
GROS	129.5	289	Pn	18:08:43.34	-0.38

## Földrengés paraméterek

Station	Latitude	Longitude	Depth (km)	ML
CRES	130.0	257	Pn 18:08:45.18	1.39
			Sn 09:00.58	-0.25
BLY	148.8	177	Sn 18:09:05.48	0.48
PKST	149.0	29	Sn 18:09:05.97	0.93
PERS	163.8	292	Sn 18:09:11.52	3.19*

51.

2024-01-17 time: 2:25:50.43 UTC ML= 0.6  
 lat: 47.680N lon: 18.285E h= 10.0 km  
 erh= 2.9km erz= 7.3km  
 nr= 6 gap=175 rms=0.28  
 Locality: Naszály  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	15.0	8	Pg	2:25:53.46	-0.20
			Sg	25:56.28	0.11
CSKK	35.2	183	Sg	2:26:01.63	-0.44
PKST	50.4	202	Pg	2:25:59.81	0.20
			Sg	26:07.33	0.56
EGYH	77.4	248	Sg	2:26:15.09	-0.16

52.

2024-01-17 time: 5:34:14.86 UTC ML= 1.3  
 lat: 46.253N lon: 19.800E h= 7.4 km  
 erh= 1.8km erz= 1.5km  
 nr= 9 gap=287 rms=0.22  
 Locality: Ruzsa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS6	42.6	335	Pg	5:34:22.23	-0.34
			Sg	34:28.76	0.17
PKB3	50.3	292	Sg	5:34:31.34	0.33
MORH	89.2	267	Pg	5:34:30.99	0.14
			Sg	34:43.22	-0.10
PKSM	89.5	267	Pg	5:34:30.98	0.09
			Sg	34:43.46	0.06
PKB4	95.9	286	Sg	5:34:45.06	-0.37
KOVH	132.6	262	Sn	5:34:55.17	0.06

53.

2024-01-17 time: 9:25:48.95 UTC ML= 1.7  
 lat: 46.875N lon: 17.349E h= 0.0 km  
 erh= 3.8km erz= \*\*\*km  
 nr= 11 gap=160 rms=0.95  
 Locality: Lesenceistvánd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	35.8	24	Pg	9:25:55.84	0.49
			Sg	25:59.86	-0.49
BEHE	62.9	224	Sg	9:26:07.06	-1.88
PKST	67.3	51	Sg	9:26:09.16	-1.19
PKSG	97.7	54	Sg	9:26:18.90	-1.11
KOVH	104.8	147	Pg	9:26:09.16	1.49
			Sg	26:22.25	-0.02
MORH	123.5	126	Pg	9:26:11.81	0.80
			Sg	26:27.40	-0.81
PKSM	123.6	127	Pg	9:26:11.31	0.29
			Sg	26:27.55	-0.69

54.

2024-01-17 time: 9:33:14.29 UTC ML= 2.1  
 lat: 46.902N lon: 17.243E h= 0.0 km  
 erh= 2.0km erz= 2.4km  
 nr= 21 gap= 74 rms=1.02  
 Locality: Zalaszentó  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
MPLH	37.4	37	Pg	9:33:22.05	1.08
			Sg	33:26.12	-0.06
TIH	49.6	90	Pg	9:33:24.71	1.57
			Sg	33:29.99	-0.05
BEHE	59.8	217	Sg	9:33:33.98	0.68
PKST	72.1	57	Sg	9:33:36.49	-0.71
PKS9	86.6	114	Sg	9:33:41.26	-0.55
KOGS	91.1	236	Pg	9:33:31.24	0.68
			Sg	33:42.75	-0.51
CSKK	92.7	56	Pg	9:33:31.79	0.94
			Sg	33:42.45	-1.31
PKSG	102.7	58	Sg	9:33:45.79	-1.15
KOVH	111.8	144	Pg	9:33:35.08	0.82
			Sg	33:48.62	-1.22
PKB4	113.5	113	Sg	9:33:49.63	-0.72
MORH	131.8	125	Sn	9:33:54.49	-1.57
PKSM	131.9	126	Pn	9:33:38.36	0.60
			Sn	33:54.29	-1.79
ARSA	136.2	287	Sn	9:33:55.50	-1.54
PKSV	136.8	145	Sn	9:33:56.05	-1.12
MODS	163.7	1	Sn	9:34:01.92	-1.22

55.

2024-01-17 time: 9:58:38.58 UTC ML= 1.5  
 lat: 48.595N lon: 20.745E h= 0.0 km  
 erh= 2.1km erz= 755km  
 nr= 10 gap=111 rms=0.59  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	237	Pg	9:58:43.17	0.51
			Sg	58:46.03	0.19
ABAH	49.4	132	Pg	9:58:47.59	0.19
			Sg	58:53.66	-0.63
PSZ	98.3	220	Pg	9:58:56.32	0.20
			Sg	59:08.68	-1.13
STHS	98.4	22	Pg	9:58:56.75	0.61
			Sg	59:08.68	-1.16
LANS	112.2	303	Pg	9:58:58.74	0.12
			Sg	59:13.22	-1.03

56.

2024-01-17 time: 13:47:53.29 UTC ML= 1.8  
 lat: 48.590N lon: 20.763E h= 0.0 km  
 erh= 7.0km erz= 814km  
 nr= 6 gap=253 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.7	240	Pg	13:47:57.42	-0.10
			Sg	48:01.65	0.83
ABAH	48.1	133	Pg	13:48:02.42	0.54
			Sg	48:08.68	0.10
PSZ	98.7	221	Pg	13:48:10.30	-0.61
			Sg	48:24.11	-0.55

57.

2024-01-18 time: 9:19:34.81 UTC ML= 1.5  
 lat: 46.256N lon: 18.208E h= 0.0 km  
 erh= 3.2km erz= \*\*\*km  
 nr= 7 gap=137 rms=0.66  
 Locality: Kisvaszar  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	20.4	204	Pg	9:19:39.38	0.93
			Sg	19:40.86	-0.43
MORH	34.0	98	Pg	9:19:41.19	0.31

sta	dist	azm	phase	hr mn sec	res
PKB4	40.6	49	Sg	19:45.60	-0.01
PKSV	41.0	175	Sg	9:19:47.54	-0.16
TIH	75.6	341	Sg	9:19:46.59	-1.25
			Sg	9:19:58.12	-0.71

58.

2024-01-18 time: 9:48:11.44 UTC ML= 1.2  
 lat: 48.522N lon: 20.788E h= 0.0 km  
 erh= 2.1km erz= 288km  
 nr= 5 gap=228 rms=0.13  
 Locality: Tornaszentandrás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.8	259	Pg	9:48:15.36	-0.15
			Sg	48:18.85	0.17
ABAH	41.8	127	Pg	9:48:19.04	0.14
			Sg	48:24.64	-0.08
PSZ	94.4	225	Sg	9:48:41.39	-0.06

59.

2024-01-19 time: 7:53:58.31 UTC ML= 1.3  
 lat: 48.081N lon: 20.721E h= 0.0 km  
 erh= 1.9km erz= 391km  
 nr= 6 gap=195 rms=0.23  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.4	58	Pg	7:54:06.35	-0.06
			Sg	54:12.69	-0.04
KECS	48.0	339	Pg	7:54:07.13	0.25
			Sg	54:13.00	-0.57
PSZ	64.3	254	Pg	7:54:09.95	0.16
			Sg	54:18.48	-0.26

60.

2024-01-19 time: 8:40:20.45 UTC ML= 1.8  
 lat: 47.660N lon: 18.437E h= 0.0 km  
 erh= 1.8km erz= 764km  
 nr= 13 gap=110 rms=0.64  
 Locality: Tardosbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	19.4	331	Pg	8:40:24.62	0.70
			Sg	40:26.90	0.27
PKSG	30.0	187	Sg	8:40:29.90	-0.08
CSKK	35.6	202	Pg	8:40:27.32	0.52
			Sg	40:31.98	0.23
PKST	53.9	214	Sg	8:40:36.67	-0.92
PENC	65.0	77	Pg	8:40:31.84	-0.21
			Sg	40:40.84	-0.26
MPLH	86.9	231	Pg	8:40:36.51	0.54
PSZ	112.9	75	Pg	8:40:40.99	0.38
			Sg	40:54.46	-1.87
MODS	117.4	313	Pg	8:40:40.92	-0.50
			Sg	40:56.26	-1.51

61.

2024-01-19 time: 9:40:26.82 UTC ML= 1.5  
 lat: 48.488N lon: 20.766E h= 0.0 km  
 erh= 1.3km erz= 196km  
 nr= 6 gap=213 rms=0.11  
 Locality: Martonyi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.7	268	Pg	9:40:30.53	0.01
			Sg	40:33.49	0.08

## Hypocenter Parameters

ABAH 41.1 121 Pg 9:40:34.03 -0.13  
 Sg 40:40.11 0.23  
 PSZ 90.6 226 Pg 9:40:43.07 0.06  
 Sg 40:55.47 -0.16

62.

2024-01-19 time: 14:52:15.23 UTC ML= 1.9  
 lat: 47.353N lon: 18.407E h= 0.0 km  
 erh= 1.5km erz= 3.8km  
 nr= 23 gap= 77 rms=0.85  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.5	344	Pg	14:52:16.57	0.54
			Sg	52:16.80	0.14
CSKK	11.1	276	Pg	14:52:17.67	0.46
			Sg	52:18.64	-0.12
PKST	30.0	250	Pg	14:52:21.07	0.48
			Sg	52:24.20	-0.57
BUD	48.8	73	Sg	14:52:30.54	-0.20
MPLH	68.7	253	Pg	14:52:28.00	0.50
			Sg	52:36.02	-1.05
PKB1	69.6	155	Pg	14:52:28.39	0.73
PENC	81.9	54	Sg	14:52:39.97	-1.28
PKS9	85.7	187	Sg	14:52:42.50	0.04
PKB4	96.4	171	Pg	14:52:32.34	-0.10
			Sg	52:45.60	-0.26
PKB3	119.5	150	Sg	14:52:52.20	-1.00
MORH	127.7	172	Pg	14:52:38.90	0.87
			Sg	52:53.59	-2.22
PKSM	128.1	172	Pg	14:52:38.74	0.64
			Sg	52:53.23	-2.71
PSZ	128.3	61	Pg	14:52:39.08	0.95
			Sg	52:54.45	-1.55
MODS	141.5	323	Sn	14:52:56.82	-2.34
KOVH	142.5	189	Sn	14:52:58.54	-0.84

63.

2024-01-20 time: 4:35:15.36 UTC ML= 0.6  
 lat: 45.725N lon: 21.827E h= 7.1 km  
 erh= 2.3km erz= 6.3km  
 nr= 5 gap=171 rms=0.16  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.4	234	Pg	4:35:19.26	0.04
			Sg	35:22.25	0.03
SURR	23.4	82	Pg	4:35:19.88	0.16
			Sg	35:22.75	-0.38
TIM	47.2	272	Sg	4:35:30.40	-0.15

64.

2024-01-21 time: 23:13:59.24 UTC ML= 0.5  
 lat: 47.348N lon: 18.266E h= 2.5 km  
 erh= 6.3km erz= 5.1km  
 nr= 6 gap=178 rms=0.11  
 Locality: Csókakő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	1.7	346	PgU	23:13:59.89	0.10
			Sg	14:00.20	-0.02
PKSG	10.6	63	Pg	23:14:01.25	0.07
			Sg	14:02.50	-0.20
PKST	20.1	240	Pg	23:14:02.75	-0.12
			Sg	14:05.78	0.08

## Földrengés paraméterek

65.

2024-01-22 time: 9:23:33.05 UTC ML= 1.8  
 lat: 48.862N lon: 21.055E h= 0.0 km  
 erh= 1.7km erz= 4.9km  
 nr= 10 gap= 94 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	59.5	225	Pg	9:23:44.28	0.61
			Sg	23:51.63	-0.32
STHS	63.2	13	Sg	9:23:52.98	-0.15
ABAH	64.4	168	Pg	9:23:44.91	0.35
			Sg	23:53.14	-0.39
NIE	82.2	319	Pg	9:23:48.13	0.40
			Sg	23:58.34	-0.85
KOLS	89.7	85	Pg	9:23:49.49	0.43
			Sg	24:00.56	-0.99
PSZ	135.7	219	Sn	9:24:13.88	-1.80

66.

2024-01-22 time: 10:50:56.28 UTC ML= 2.0  
 lat: 47.841N lon: 19.109E h= 0.0 km  
 erh= 5.8km erz= \*\*\*km  
 nr= 8 gap=188 rms=1.04  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.1	114	Pg	10:51:00.13	1.33
			Sg	51:01.44	0.67
SF5A	40.4	148	Sg	10:51:08.89	-0.24
PSZ	59.4	82	Pg	10:51:07.51	0.62
			Sg	51:13.18	-1.98
PKSG	73.6	227	Sg	10:51:18.48	-1.19
KECS	124.8	55	Pg	10:51:18.60	0.03
			Sg	51:34.44	-1.52

67.

2024-01-22 time: 19:38:50.51 UTC ML= 1.7  
 lat: 45.611N lon: 18.228E h= 5.0 km  
 erh= 2.3km erz= 4.0km  
 nr= 10 gap=195 rms=1.35  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	30.8	4	Pg	19:38:57.90	1.81
			Sg	39:00.09	-0.36
KOVH	53.9	349	Pg	19:39:01.62	1.44
			Sg	39:06.45	-1.28
PKSM	74.1	26	Pg	19:39:04.58	0.81
			Sg	39:12.37	-1.73
MORH	74.5	26	Pg	19:39:04.45	0.60
			Sg	39:12.64	-1.62
PKB4	102.6	16	Sg	19:39:21.38	-1.78
BLY	126.2	221	Pn	19:39:11.13	-1.51

68.

2024-01-23 time: 10:25:44.82 UTC ML= 1.3  
 lat: 47.215N lon: 18.283E h= 0.0 km  
 erh= 2.1km erz= 4.9km  
 nr= 11 gap=109 rms=0.66  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.6	354	Pg	10:25:47.98	0.20
			Sg	25:49.94	-0.14
PKST	19.5	285	Pg	10:25:48.14	-0.16

## Földrengés paraméterek

## Hypocenter Parameters

PKSG 21.3 22 Sg 25:50.88 -0.13  
 Pg 10:25:48.80 0.18  
 Sg 25:51.62 0.04  
 MORH 114.5 166 Pg 10:26:06.69 1.43  
 Sg 26:20.64 -0.56  
 PKSM 114.8 166 Sg 10:26:21.38 0.06  
 KOVH 126.0 186 Sg 10:26:23.55 -1.33  
 PSZ 144.3 57 Sn 10:26:27.91 -1.45

69.

2024-01-23 time: 10:32:40.67 UTC ML= 1.6  
 lat: 48.589N lon: 20.756E h= 0.0 km  
 erh= 2.7km erz= 825km  
 nr= 9 gap=152 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.1	239	Pg	10:32:45.35	0.54
			Sg	32:47.89	-0.14
ABAH	48.4	132	Pg	10:32:49.61	0.29
			Sg	32:55.56	-0.50
NIE	97.8	341	Sg	10:33:11.33	-0.43
PSZ	98.2	221	Pg	10:32:58.65	0.43
			Sg	33:10.12	-1.78
LANS	113.3	303	Pg	10:33:01.20	0.30
			Sg	33:15.44	-1.23

70.

2024-01-23 time: 10:59:46.87 UTC ML= 1.9  
 lat: 48.179N lon: 16.867E h= 0.0 km  
 erh= 5.4km erz= 640km  
 nr= 6 gap=196 rms=0.38  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.6	84	Pg	10:59:50.24	0.23
			Sg	59:52.59	0.13
MODS	37.4	55	Pg	10:59:53.60	0.05
			Sg	59:58.14	-0.61
RONA	68.2	219	Pg	10:59:59.32	0.26
			Sg	11:00:07.61	-0.95

71.

2024-01-23 time: 12:23:11.48 UTC ML= 0.8  
 lat: 47.244N lon: 18.255E h= 2.1 km  
 erh= 5.0km erz=28.4km  
 nr= 6 gap=243 rms=0.13  
 Locality: Iszkaszentgyörgy  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	13.2	2	PgD	12:23:14.06	0.20
			Sg	23:15.63	-0.09
PKST	16.8	276	Pg	12:23:14.59	0.09
			Sg	23:16.73	-0.13
PKSG	19.3	32	Pg	12:23:14.83	-0.12
			Sg	23:17.55	-0.10

72.

2024-01-23 time: 12:58:43.83 UTC ML= 1.3  
 lat: 46.132N lon: 18.052E h= 0.0 km  
 erh= 1.4km erz= 250km  
 nr= 10 gap=248 rms=0.20  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.1	143	PgU	12:58:44.94	0.02

PKSV 31.2 150 Sg 58:45.82 0.05  
 Pg 12:58:49.30 -0.10  
 Sg 58:53.65 -0.09  
 PKSM 46.4 79 Pg 12:58:52.20 0.09  
 Sg 58:58.44 -0.13  
 MORH 46.7 78 Pg 12:58:52.47 0.31  
 Sg 58:58.36 -0.30  
 PKB4 58.7 46 Pg 12:58:54.54 0.22  
 PKB1 92.1 38 Pg 12:58:59.98 -0.31

73.

2024-01-23 time: 13:22:39.38 UTC ML= 1.8  
 lat: 48.679N lon: 22.358E h= 0.0 km  
 erh= 4.2km erz= 965km  
 nr= 6 gap=180 rms=0.56  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	28.9	348	Pg	13:22:44.48	-0.06
			Sg	22:47.97	-0.60
TRPA	62.5	168	Pg	13:22:51.12	0.58
			Sg	22:57.98	-1.27
ABAH	93.0	243	Pg	13:22:56.44	0.45
			Sg	23:08.55	-0.39

74.

2024-01-24 time: 8:05:53.64 UTC ML= 1.5  
 lat: 48.065N lon: 20.678E h= 0.0 km  
 erh= 2.2km erz= 432km  
 nr= 5 gap=196 rms=0.19  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.7	343	Pg	8:06:02.44	0.11
			Sg	06:08.97	-0.13
ABAH	49.0	58	Pg	8:06:02.59	0.19
			Sg	06:08.86	-0.37
PSZ	60.7	254	Sg	8:06:12.77	-0.16

75.

2024-01-24 time: 8:30:07.12 UTC ML= 1.5  
 lat: 46.878N lon: 17.486E h= 0.0 km  
 erh= 2.2km erz= 361km  
 nr= 5 gap=215 rms=0.17  
 Locality: Diszel  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	32.8	7	Pg	8:30:12.92	-0.05
			Sg	30:17.51	-0.02
CSKK	79.8	47	Sg	8:30:32.71	0.23
KOVH	99.6	152	Sg	8:30:38.94	0.15
MORH	115.4	130	Sg	8:30:43.46	-0.33

76.

2024-01-24 time: 9:13:27.40 UTC ML= 1.5  
 lat: 48.028N lon: 20.347E h= 0.0 km  
 erh= 4.2km erz= 795km  
 nr= 5 gap=184 rms=0.37  
 Locality: Mónosbél  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	36.0	250	Sg	9:13:38.76	-0.08
KECS	51.6	11	Pg	9:13:36.54	-0.08
			Sg	13:43.67	-0.13
ABAH	72.7	66	Pg	9:13:40.89	0.50
			Sg	13:49.83	-0.69

## Hypocenter Parameters

## Földrengés paraméterek

77.

2024-01-24 time: 10:42:16.56 UTC ML= 0.9  
 lat: 47.254N lon: 18.272E h= 0.0 km  
 erh= 2.6km erz= 333km  
 nr= 5 gap=241 rms=0.16  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.2	356	Pg	10:42:18.84	0.11
			Sg	42:20.63	0.20
PKSG	17.8	30	Pg	10:42:19.74	0.01
			Sg	42:21.88	-0.32
PKST	18.0	272	Sg	10:42:22.12	-0.16

78.

2024-01-24 time: 12:06:31.29 UTC ML= 1.6  
 lat: 47.361N lon: 16.410E h= 0.0 km  
 erh= 6.4km erz= \*\*\*km  
 nr= 7 gap=175 rms=1.23  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	38.6	347	Pg	12:06:39.21	1.03
			Sg	06:43.24	-0.31
ARSA	68.2	260	Pg	12:06:44.93	1.46
			Sg	06:51.28	-1.68
EGYH	69.9	85	Sg	12:06:52.95	-0.56
CONA	75.3	327	Sg	12:06:53.41	-1.81
MODS	129.9	30	Sg	12:07:11.72	-0.87

79.

2024-01-25 time: 2:33:00.45 UTC ML= 1.0  
 lat: 45.921N lon: 16.026E h= 10.0 km  
 erh= 0.9km erz= 1.0km  
 nr= 8 gap=171 rms=0.13  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.8	246	Pg	2:33:02.58	0.07
			Sg	33:03.97	-0.15
R971	9.4	187	PgU	2:33:02.71	-0.19
ZAG	10.6	194	Pg	2:33:03.18	0.13
			Sg	33:05.21	0.14
CRES	45.4	257	Pg	2:33:08.66	-0.10
			Sg	33:15.32	0.08
KOGS	61.1	16	Sg	2:33:20.22	0.10

80.

2024-01-25 time: 10:14:36.70 UTC ML= 2.0  
 lat: 48.355N lon: 19.889E h= 0.0 km  
 erh= 1.8km erz= 582km  
 nr= 10 gap=161 rms=0.45  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.4	72	Pg	10:14:45.12	0.14
			Sg	14:51.92	0.48
PSZ	48.5	180	Pg	10:14:45.28	-0.08
			Sg	14:52.38	0.26
LANS	93.8	341	Pg	10:14:53.58	0.14
			Sg	15:05.81	-0.69
ABAH	100.3	94	Pg	10:14:54.39	-0.22
			Sg	15:07.97	-0.62
NIE	122.3	15	Pg	10:14:59.33	0.79
			Sg	15:14.61	-0.97

81.

2024-01-25 time: 11:31:14.84 UTC ML= 1.6  
 lat: 47.888N lon: 19.117E h= 0.0 km  
 erh= 5.3km erz= \*\*\*km  
 nr= 7 gap=192 rms=0.74  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.4	131	Pg	11:31:18.44	0.66
			Sg	31:19.44	-0.63
PSZ	58.3	87	PgU	11:31:26.04	0.79
			Sg	31:32.49	-0.87
PKSG	77.6	225	Sg	11:31:38.74	-0.76
KECS	121.4	57	Pg	11:31:36.73	0.20
			Sg	31:52.17	-1.27

82.

2024-01-25 time: 12:47:41.45 UTC ML= 2.1  
 lat: 48.220N lon: 21.231E h= 0.0 km  
 erh= 3.9km erz= 4.9km  
 nr= 10 gap=106 rms=0.94  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	8.4	4	PgU	12:47:43.60	0.65
			Sg	47:44.20	0.07
KECS	62.5	298	Pg	12:47:53.17	0.57
			Sg	47:59.98	-1.33
TRPA	97.8	96	Pg	12:47:59.03	0.12
			Sg	48:10.58	-1.96
PSZ	105.1	251	Pg	12:48:00.69	0.48
LANS	166.0	309	Sn	12:48:28.70	-2.11
DRGR	194.1	145	PnU	12:48:13.60	0.92
			Sn	48:35.94	-1.10

83.

2024-01-25 time: 13:02:48.93 UTC ML= 1.8  
 lat: 46.323N lon: 22.983E h= 0.0 km  
 erh= 5.1km erz= 4.8km  
 nr= 8 gap=107 rms=0.87  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	56.1	338	Pg	13:02:59.19	0.25
			Sg	03:06.20	-0.55
GZR	104.6	189	Sg	13:03:21.48	-0.70
BZS	131.8	233	Pn	13:03:13.12	0.72
			Sn	03:29.27	-1.44
BMR	155.0	15	Sn	13:03:36.12	0.26
VOIR	188.3	122	Pn	13:03:20.60	1.16
			Sn	03:41.17	-2.06

84.

2024-01-25 time: 15:39:21.21 UTC ML= 1.6  
 lat: 45.937N lon: 16.058E h= 7.4 km  
 erh= 3.0km erz= 4.5km  
 nr= 7 gap=235 rms=0.31  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	8.8	242	Pg	15:39:23.74	0.48
			Sg	39:24.73	-0.13
R971	11.7	198	Pg	15:39:23.61	-0.07
ZAG	13.0	202	Pg	15:39:23.92	0.04
			Sg	39:25.36	-0.61



## Földrengés paraméterek

CRES 48.3 255 Sg 15:39:36.90 0.17  
 GROS 72.3 324 Sg 15:39:43.94 -0.37

85.

2024-01-26 time: 8:32:33.84 UTC ML= 2.0  
 lat: 48.425N lon: 17.222E h= 0.0 km  
 erh= 1.7km erz= 726km  
 nr= 15 gap= 87 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.0	145	PgU	8:32:35.50	0.41
			Sg	32:36.37	0.30
SMOL	18.2	57	Pg	8:32:36.97	-0.12
			Sg	32:39.30	-0.32
ZST	27.0	199	Pg	8:32:39.13	0.47
			Sg	32:42.04	-0.37
JAVC	58.5	34	Pg	8:32:44.26	-0.03
			Sg	32:51.34	-1.10
KRUC	93.4	319	Pg	8:32:51.48	0.97
			Sg	33:02.28	-1.24
RONA	106.2	221	Pg	8:32:53.37	0.57
			Sg	33:06.19	-1.40
VRAC	108.5	335	Pg	8:32:53.19	-0.03
CONA	115.3	241	Pg	8:32:54.53	0.10
			Sg	33:09.04	-1.45

86.

2024-01-26 time: 8:54:55.94 UTC ML= 1.3  
 lat: 48.048N lon: 20.710E h= 0.0 km  
 erh= 6.4km erz= \*\*\*km  
 nr= 5 gap=202 rms=0.54  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.1	55	Pg	8:55:04.70	0.18
			Sg	55:10.57	-0.65
KECS	51.1	341	Pg	8:55:05.78	0.71
			Sg	55:11.57	-0.63
PSZ	62.6	257	Sg	8:55:15.35	-0.48

87.

2024-01-26 time: 9:54:14.75 UTC ML= 1.5  
 lat: 48.533N lon: 20.752E h= 0.0 km  
 erh= 2.7km erz= 948km  
 nr= 9 gap=106 rms=0.73  
 Locality: Bódvaszilás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.4	254	Pg	9:54:18.52	0.12
			Sg	54:20.99	-0.25
ABAH	44.7	126	Pg	9:54:23.07	0.33
			Sg	54:28.79	-0.17
PSZ	93.4	223	Pg	9:54:31.56	0.13
			Sg	54:44.15	-0.30
NIE	103.6	342	Pg	9:54:34.36	1.10
			Sg	54:46.18	-1.51
STHS	104.7	20	Sg	9:54:46.34	-1.69

88.

2024-01-27 time: 10:24:18.47 UTC ML= 1.8  
 lat: 48.674N lon: 20.796E h= 0.0 km  
 erh= 7.3km erz= 821km  
 nr= 6 gap=275 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KECS	31.3	227	Pg	10:24:24.53	0.47
			Sg	24:28.66	0.25
ABAH	53.3	142	Pg	10:24:27.72	-0.28
			Sg	24:35.83	0.40
PSZ	107.4	219	Pg	10:24:37.54	-0.12
			Sg	24:51.18	-1.45

89.

2024-01-27 time: 14:33:55.06 UTC ML= 2.2  
 lat: 48.570N lon: 22.841E h= 0.0 km  
 erh= 3.5km erz= 4.9km  
 nr= 16 gap=115 rms=1.27  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MUKU	17.2	221	Pg	14:33:58.30	0.16
BRIU	29.0	153	Sg	14:34:06.02	1.74
MEZ	50.1	97	Pg	14:34:03.70	-0.30
			Sg	34:10.42	-0.55
STZU	52.1	342	Pg	14:34:05.42	1.05
			Sg	34:11.75	0.13
TRPA	53.8	205	Pg	14:34:05.45	0.78
			Sg	34:12.20	0.04
BMR	111.1	154	Pg	14:34:14.71	-0.19
			Sg	34:29.18	-1.19
ABAH	122.4	256	Pg	14:34:16.36	-0.56
			Sg	34:32.19	-1.78
LTVH	149.3	208	Sn	14:34:38.10	-2.63
KECS	174.3	267	Sn	14:34:44.70	-1.56
DRGR	198.0	183	Sn	14:34:54.83	3.31
PSZ	230.6	252	Sn	14:35:04.45	5.70

90.

2024-01-27 time: 17:37:05.84 UTC ML= 2.1  
 lat: 45.820N lon: 20.969E h= 12.9 km  
 erh= 2.4km erz= 1.8km  
 nr= 20 gap=118 rms=0.77  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	21.6	115	PgU	17:37:10.46	0.12
			Sg	37:14.99	1.15
BANR	50.3	165	Pg	17:37:14.68	-0.44
			Sg	37:22.41	0.06
BZS	55.2	114	Pg	17:37:15.84	-0.13
			Sg	37:23.97	0.11
AMBH	61.9	342	Pg	17:37:16.84	-0.29
			Sg	37:25.69	-0.24
SURR	90.1	95	P*	17:37:21.65	-0.44
			S*	37:33.39	-1.37
PKS6	138.8	309	Pn	17:37:29.24	0.71
			Sn	37:45.42	-0.82
GZR	148.7	109	Sn	17:37:48.58	0.14
PKB3	152.7	296	Pn	17:37:29.50	-0.77
			Sn	37:48.84	-0.48
DRGR	172.3	51	Pn	17:37:33.10	0.40
			Sn	37:54.63	0.97
MORH	185.4	284	Sn	17:37:59.54	2.97
PKSM	185.5	284	Sn	17:37:59.03	2.44
PKB4	197.6	292	Sn	17:38:03.46	4.18*
KOVH	224.5	278	Sn	17:38:10.48	5.23*

91.

2024-01-28 time: 10:31:16.66 UTC ML= 2.2  
 lat: 46.868N lon: 18.053E h= 3.1 km  
 erh= 1.3km erz= 1.9km  
 nr= 61 gap= 59 rms=0.96  
 Locality: Ságvár  
 Comments:

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res								
TIH	12.8	286	PgU	10:31:19.88			0.87	PKS9	35.3	151	Pg	10:42:12.16		0.77	
PKS9	35.6	151	PgU	10:31:24.28			1.23				Sg	42:17.48		0.98	
			Sg	31:28.35			0.32	PKB1	56.8	99	Pg	10:42:15.52		0.36	
PKST	43.5	358	PgU	10:31:25.29			0.83	PKB4	58.6	134	Pg	10:42:15.33		-0.13	
			Sg	31:30.55			0.02				Sg	42:23.46		-0.28	
MPLH	51.6	311	PgU	10:31:26.65			0.76	PKB5	60.0	120	Pg	10:42:15.68		-0.03	
			Sg	31:32.55			-0.53				Sg	42:24.28		0.11	
PKB1	57.1	99	Pg	10:31:27.76			0.88	PKSG	63.8	23	Pg	10:42:16.42		0.03	
CSKK	57.3	16	Pg	10:31:27.32			0.41				Sg	42:24.94		-0.45	
			Sg	31:34.48			-0.42	MORH	85.1	148	Pg	10:42:20.21		0.06	
PKB4	59.0	134	PgU	10:31:27.95			0.74				Sg	42:30.73		-1.35	
			Sg	31:35.45			0.02	PKSM	85.3	148	Pg	10:42:20.25		0.06	
PKB5	60.3	120	Pg	10:31:28.21			0.76				Sg	42:30.84		-1.32	
			Sg	31:35.57			-0.29	KOVH	86.4	178	Pg	10:42:20.29		-0.09	
PKSG	63.6	24	Pg	10:31:28.21			0.17				Sg	42:30.73		-1.76	
			Sg	31:36.54			-0.38	PKB3	100.0	119	Pg	10:42:22.83		0.03	
EGYH	82.0	318	Pg	10:31:30.54			-0.78								
			Sg	31:40.95			-1.81	93.							
MORH	85.5	148	PgU	10:31:31.80			-0.13	2024-01-28 time: 22:37:05.85 UTC ML= 1.5							
			Sg	31:42.21			-1.63	lat: 47.806N lon: 16.233E h= 11.9 km							
PKSM	85.7	148	Pg	10:31:31.74			-0.24	erh= 1.5km erz= 1.3km							
			Sg	31:42.37			-1.56	nr= 17 gap= 75 rms=0.47							
PKS7	86.6	77	Pg	10:31:32.67			0.53	Locality: Austria							
			Sg	31:43.74			-0.47	Comments:							
KOVH	86.7	178	Pg	10:31:32.15			-0.01	sta	dist	azm	phase	hr	mn	sec	res
			Sg	31:42.58			-1.66	RONA	12.8	158	PgD	22:37:09.20			0.23
PKS2	98.1	115	Pg	10:31:35.27			1.09				Sg	37:10.84			-0.57
			Sg	31:46.63			-1.22	SOP	28.0	119	Pg	22:37:11.69			0.41
PKB3	100.3	119	Pg	10:31:35.00			0.41				Sg	37:15.13			-0.40
			Sg	31:47.52			-1.05	CONA	30.9	296	Pg	22:37:11.95			0.19
BUD	100.5	47	Pg	10:31:34.16			-0.46				Sg	37:16.31			-0.06
			Sg	31:47.03			-1.59	WINA	35.5	340	Pg	22:37:12.70			0.16
SRO	107.0	11	Sg	10:31:48.72			-1.95				Sg	37:17.14			-0.61
BEHE	107.3	246	Pg	10:31:36.17			0.33	ARSA	81.7	221	Pg	22:37:20.55			-0.04
			Sg	31:48.97			-1.82				Sg	37:30.93			-1.16
PKSV	109.9	172	Pg	10:31:36.82			0.52	MODS	100.2	51	S*	22:37:36.77			-0.88
			Sg	31:49.31			-2.30	ABNA	112.9	328	Pn	22:37:25.94			0.51
PKS6	119.3	104	Pg	10:31:37.43			-0.54				Sn	37:38.54			-2.17
			Sg	31:52.34			-2.25	KRUC	140.1	5	Pn	22:37:29.32			0.50
PENC	138.4	42	Pn	10:31:41.43			0.88				Sn	37:46.41			-0.33
			Sn	31:58.63			-0.55	VRAC	169.1	9	Pn	22:37:32.80			0.36
KOGS	145.7	251	Sn	10:32:00.41			-0.39				Sn	37:53.45			0.27
RONA	162.0	305	Pn	10:31:43.18			-0.31	94.							
RCF6	171.1	250	Sn	10:32:07.26			0.82	2024-01-29 time: 1:37:48.83 UTC ML= 1.1							
MODS	177.3	341	Pn	10:31:45.61			0.21	lat: 45.636N lon: 21.881E h= 5.0 km							
			Sn	32:06.77			-1.05	erh= 1.8km erz= 1.8km							
PSZ	181.6	50	Pn	10:31:48.76			2.83	nr= 9 gap=133 rms=0.31							
			Sn	32:11.13			2.37	Locality: Romania							
SMOL	188.9	346	Pn	10:31:47.03			0.18	Comments:							
			Sn	32:09.67			-0.73	sta	dist	azm	phase	hr	mn	sec	res
PTJ	193.8	236	Sn	10:32:12.98			1.50	BZS	20.7	264	Pg	1:37:52.64			0.01
ARSA	196.9	282	Pn	10:31:46.18			-1.67				Sg	37:55.14			-0.46
			Sn	32:09.06			-3.11	SURR	23.1	56	Pg	1:37:53.37			0.32
GROS	200.5	257	Pn	10:31:51.15			2.86				Sg	37:55.97			-0.37
			Sn	32:16.13			3.17	BANR	64.7	244	Sg	1:38:09.68			0.22
WINA	203.2	313	Pn	10:31:48.55			-0.08				Sg	1:38:12.74			-0.01
PERS	225.9	263	Pn	10:31:51.25			-0.21	GZR	75.1	111	Pn	1:38:13.20			0.08
SOKA	231.7	265	Sn	10:32:19.72			-0.17				Sn	38:29.71			-2.36
OBKA	271.1	262	Pn	10:31:56.60			-0.49	DRGR	143.5	27	Pn	1:38:13.20			0.08
			Sn	32:27.56			-1.07				Sn	1:38:49.63			0.01
KRUC	273.6	333	Pn	10:31:57.91			0.50	95.							
92.															
2024-01-28 time: 10:42:04.85 UTC ML= 1.6															
lat: 46.865N lon: 18.056E h= 10.0 km															
erh= 1.9km erz= 4.5km															
nr= 18 gap=110 rms=0.46															
Locality: Ságvár															
Comments:															
sta	dist	azm	phase	hr	mn	sec	res								
TIH	13.1	287	PgU	10:42:07.76			-0.03	2024-01-29 time: 9:16:31.48 UTC ML= 1.4							
lat: 47.513N lon: 18.712E h= 0.0 km															
erh= 2.4km erz= 3.6km															
nr= 17 gap=150 rms=0.90															
Locality: Herceghalom															
Comments: probably explosion															

**Földrengés paraméterek**

**Hypocenter Parameters**

sta	dist	azm	phase	hr mn sec	res
PBUD	23.3	103	Sg	9:16:40.02	1.14
BUD	23.8	98	Sg	9:16:40.10	1.06
PKSG	27.7	241	Pg	9:16:36.83	0.40
			Sg	16:40.84	0.55
CSKK	37.9	244	Pg	9:16:38.66	0.41
			Sg	16:43.06	-0.47
PENC	52.8	54	Sg	9:16:47.74	-0.52
PKST	58.4	241	Pg	9:16:41.94	0.02
			Sg	16:50.46	0.41
PKS7	62.0	147	Sg	9:16:50.54	-0.64
TIH	92.2	222	Sg	9:17:00.29	-0.49
MPLH	96.4	247	Pg	9:16:50.00	1.30
			Sg	17:02.16	0.02
PSZ	99.5	63	Sg	9:17:01.69	-1.43
EGYH	104.6	264	Sg	9:17:03.87	-0.85
MORH	144.3	182	Sn	9:17:14.20	-1.83
PKSM	144.8	182	Sn	9:17:13.88	-2.25

96.

2024-01-29 time: 10:02:27.79 UTC ML= 1.8  
 lat: 48.632N lon: 21.408E h= 0.0 km  
 erh= 1.7km erz= 3.0km  
 nr= 15 gap= 75 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	39.4	198	Pg	10:02:34.52	-0.31
			Sg	02:41.76	1.45
KECS	70.1	256	Pg	10:02:39.66	-0.65
			Sg	02:49.95	-0.12
STHS	88.1	352	Sg	10:02:55.87	0.07
STZU	98.9	64	Pg	10:02:45.59	0.13
			Sg	02:59.37	0.13
TRPA	100.7	124	Pg	10:02:46.37	0.60
			Sg	02:58.75	-1.04
NIE	118.6	318	Pg	10:02:49.01	0.03
			Sg	03:04.76	-0.74
PSZ	137.5	235	Pn	10:02:52.44	0.46
LANS	153.5	292	Pn	10:02:55.09	1.12
MEZ	156.0	95	Pn	10:02:53.85	-0.43
			Sn	03:13.79	-1.14

97.

2024-01-29 time: 10:10:08.24 UTC ML= 1.7  
 lat: 48.574N lon: 20.747E h= 0.0 km  
 erh= 3.7km erz= 8.8km  
 nr= 12 gap= 91 rms=1.24  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.8	242	Pg	10:10:12.73	0.60
			Sg	10:15.53	0.37
ABAH	47.8	130	Pg	10:10:16.78	0.01
			Sg	10:23.48	0.05
PSZ	96.5	221	Pg	10:10:26.05	0.57
			Sg	10:37.43	-1.49
NIE	99.2	341	Pg	10:10:28.16	2.20
STHS	100.6	21	Pg	10:10:26.75	0.55
			Sg	10:38.29	-1.91
LANS	113.7	304	Pg	10:10:28.31	-0.23
			Sg	10:41.72	-2.66
TRPA	141.7	110	Sn	10:10:49.74	-2.47

98.

2024-01-29 time: 10:52:27.34 UTC ML= 1.5  
 lat: 46.125N lon: 18.096E h= 0.0 km  
 erh= 1.8km erz= 407km  
 nr= 11 gap=200 rms=0.33  
 Locality: Abaliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	4.0	176	PgU	10:52:27.96	-0.10
			Sg	52:28.77	0.14
PKSV	28.9	155	Pg	10:52:32.32	-0.18
PKSM	43.2	77	Pg	10:52:35.23	0.17
			Sg	52:40.97	-0.11
MORH	43.5	77	Pg	10:52:35.21	0.09
			Sg	52:40.85	-0.33
PKS9	53.3	15	Pg	10:52:36.81	-0.05
PKB4	56.9	43	Pg	10:52:37.68	0.17
PKB5	71.8	43	Pg	10:52:41.12	0.95
PKB1	90.8	36	Pg	10:52:43.02	-0.53

99.

2024-01-29 time: 13:59:37.99 UTC ML= 2.0  
 lat: 48.089N lon: 16.961E h= 0.0 km  
 erh= 7.1km erz= \*\*\*km  
 nr= 9 gap=172 rms=0.81  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.9	41	Pg	13:59:41.57	0.73
			Sg	59:42.31	-0.75
MODS	39.5	37	Pg	13:59:45.31	0.27
			Sg	59:49.12	-1.42
SOP	54.2	214	Sg	13:59:53.54	-1.68
RONA	65.9	229	Pg	13:59:50.65	0.89
			Sg	59:58.53	-0.40
CONA	83.9	258	Pg	13:59:53.35	0.37
			Sg	14:00:03.93	-0.74

100.

2024-01-29 time: 18:21:12.20 UTC ML= 2.4  
 lat: 45.531N lon: 16.115E h= 0.6 km  
 erh= 2.4km erz= 2.1km  
 nr= 37 gap=140 rms=1.04  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	34.4	344	Pg	18:21:18.99	0.64
			Sg	21:24.37	1.22
PTJ	42.8	343	Pg	18:21:19.93	0.09
			Sg	21:26.44	0.64
CRES	60.9	303	Pg	18:21:22.77	-0.30
			Sg	21:31.29	-0.26
R93E	62.0	104	Pg	18:21:23.75	0.47
RCF6	90.0	352	Pg	18:21:28.40	0.13
			Sg	21:39.80	-1.00
KOGS	102.5	6	Pg	18:21:31.13	0.63
			Sg	21:44.45	-0.32
GROS	113.8	335	Pg	18:21:32.89	0.38
			Sg	21:46.62	-1.74
BEHE	116.3	26	Sg	18:21:48.19	-0.96
BLY	120.9	136	Pg	18:21:33.04	-0.75
			Sg	21:47.86	-2.78
PERS	145.1	328	Pn	18:21:35.88	-1.36
			Sn	21:53.95	-2.82
SOKA	152.5	327	Sn	18:21:57.71	-0.71
OBKA	162.9	312	Pn	18:21:40.41	0.95
			Sn	22:00.21	-0.52
KOVH	166.3	68	Pn	18:21:38.72	-1.16
			Sn	21:59.82	-1.65

## Hypocenter Parameters

PKSV	171.1	77	Pn	18:21:42.07	1.59
			Sn	22:03.05	0.50
ROB8	171.9	282	Sn	18:22:02.64	-0.08
TRI	184.4	276	Pn	18:21:43.21	1.06
			Sn	22:06.18	0.67
ARSA	196.5	347	Sn	18:22:09.63	1.45
TIH	204.9	42	Sn	18:22:13.71	3.66
PKSM	210.2	69	Pn	18:21:44.86	-0.51
			Sn	22:13.88	2.64
MORH	210.6	69	Pn	18:21:45.22	-0.19
			Sn	22:13.88	2.56
PKB4	220.6	61	Sn	18:22:18.11	4.57*
MYKA	227.0	303	Sn	18:22:17.35	2.40
MOA	294.0	331	Sn	18:22:27.51	-2.32*

101.

2024-01-30 time: 9:24:54.83 UTC ML= 1.8  
 lat: 45.661N lon: 21.877E h= 14.6 km  
 erh= 2.5km erz= 1.8km  
 nr= 10 gap=129 rms=0.48  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.9	256	Pg	9:24:59.08	-0.30
			Sg	25:03.09	0.16
SURR	21.9	62	Pg	9:24:59.66	0.13
			Sg	25:02.79	-0.40
BANR	65.7	242	Sg	9:25:16.66	0.44
GZR	76.3	113	Pg	9:25:08.63	-0.07
			Sg	25:19.34	-0.18
AMBH	117.6	311	Sn	9:25:29.11	-1.03
DRGR	141.2	27	Pn	9:25:18.74	1.13
			Sn	25:35.21	-0.17

102.

2024-01-30 time: 9:43:19.14 UTC ML= 1.8  
 lat: 48.518N lon: 17.479E h= 0.0 km  
 erh= 1.4km erz= 333km  
 nr= 8 gap=198 rms=0.24  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.8	263	Pg	9:43:19.41	-0.40
			Sg	43:20.12	-0.21
MODS	21.9	223	Pg	9:43:23.32	0.27
			Sg	43:26.06	-0.04
JAVC	40.5	20	Pg	9:43:26.37	0.00
			Sg	43:31.92	-0.09
ZST	45.4	218	Pg	9:43:27.31	0.07
KRUC	100.0	307	Sg	9:43:51.36	0.43

103.

2024-01-30 time: 10:14:20.13 UTC ML= 1.8  
 lat: 48.600N lon: 20.768E h= 0.0 km  
 erh= 1.8km erz= 5.3km  
 nr= 12 gap= 91 rms=0.81  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	238	Pg	10:14:25.16	0.64
			Sg	14:28.37	0.43
ABAH	48.6	134	Pg	10:14:29.38	0.57
			Sg	14:36.15	0.57
NIE	96.9	340	Pg	10:14:38.37	0.93
			Sg	14:51.22	0.28
STHS	97.2	21	Sg	10:14:50.89	-0.15
PSZ	99.8	221	Sg	10:14:50.98	-0.87
LANS	113.3	303	Pg	10:14:39.71	-0.66
			Sg	14:55.15	-1.00

## Földrengés paraméterek

TRPA	141.3	112	Pn	10:14:43.47	-1.31
			Sn	14:59.98	-4.03

104.

2024-01-30 time: 10:20:27.85 UTC ML= 1.3  
 lat: 47.104N lon: 17.936E h= 0.0 km  
 erh= 2.0km erz= 5.1km  
 nr= 12 gap=110 rms=0.66  
 Locality: Kádárta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.8	23	Pg	10:20:31.97	0.76
			Sg	20:33.44	-0.39
MPLH	31.0	284	Pg	10:20:33.81	0.43
			Sg	20:36.33	-1.37
CSKK	37.9	40	Pg	10:20:34.88	0.26
			Sg	20:38.75	-1.14
PKSG	47.0	47	Pg	10:20:36.86	0.61
			Sg	20:41.96	-0.84
MORH	112.6	151	Sg	10:21:03.31	-0.34
PKSM	112.9	151	Sg	10:21:03.85	0.11
KOVH	113.6	174	Sg	10:21:04.01	0.05
PSZ	173.1	58	Sn	10:21:17.77	-1.02

105.

2024-01-30 time: 11:21:14.64 UTC ML= 1.6  
 lat: 47.546N lon: 18.677E h= 0.0 km  
 erh= 2.9km erz= 3.5km  
 nr= 13 gap=115 rms=1.04  
 Locality: Mány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	27.5	232	Pg	11:21:20.76	1.20
			Sg	21:23.66	0.26
CSKK	37.4	237	Pg	11:21:22.01	0.69
			Sg	21:26.40	-0.13
SRO	40.4	317	Sg	11:21:27.33	-0.16
PKST	58.1	237	Pg	11:21:26.40	1.39
			Sg	21:32.34	-0.75
MPLH	95.6	244	Sg	11:21:43.61	-1.40
PSZ	100.3	66	Sg	11:21:46.20	-0.31
EGYH	102.4	262	Sg	11:21:46.35	-0.84
MODS	139.3	311	Sn	11:21:55.82	-2.26
MORH	147.8	181	Sn	11:21:58.80	-1.17
PKSM	148.3	181	Sn	11:21:58.80	-1.27

106.

2024-01-30 time: 11:34:15.52 UTC ML= 1.5  
 lat: 47.314N lon: 18.494E h= 0.0 km  
 erh= 3.0km erz= 914km  
 nr= 8 gap=117 rms=0.66  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.6	318	PgU	11:34:17.80	0.21
			Sg	34:18.23	-0.98
CSKK	18.5	287	Pg	11:34:19.17	0.36
			Sg	34:19.91	-1.47
PKST	35.3	260	Pg	11:34:22.65	0.83
MORH	122.7	175	Sg	11:34:54.51	0.00
PKSM	123.1	175	Sg	11:34:54.19	-0.45
PSZ	124.9	57	Sg	11:34:54.82	-0.39

## Földrengés paraméterek

## Hypocenter Parameters

107.

2024-01-30 time: 11:51:56.33 UTC ML= 1.8  
 lat: 47.868N lon: 20.138E h= 0.0 km  
 erh= 6.4km erz= \*\*\*km  
 nr= 5 gap=133 rms=0.84  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.1	287	PgU	11:51:59.96	0.22
			Sg	52:02.77	0.38
BSZH	63.9	171	Sg	11:52:15.69	-0.97
ABAH	94.9	60	Pg	11:52:14.03	0.76
			Sg	52:24.69	-1.79

108.

2024-01-30 time: 11:59:18.34 UTC ML= 1.4  
 lat: 48.549N lon: 20.844E h= 0.0 km  
 erh= 9.4km erz= \*\*\*km  
 nr= 5 gap=239 rms=0.59  
 Locality: Hidvégárdó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.5	255	Pg	11:59:22.95	-0.30
			Sg	59:27.96	0.88
ABAH	40.6	134	Pg	11:59:25.73	0.14
			Sg	59:31.72	0.48
PSZ	99.5	225	Sg	11:59:48.78	-1.19

109.

2024-01-30 time: 14:39:26.52 UTC ML= 1.3  
 lat: 47.926N lon: 16.108E h= 0.0 km  
 erh= 1.9km erz= 516km  
 nr= 6 gap=141 rms=0.30  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.4	271	Pg	14:39:29.88	0.07
			Sg	39:32.14	-0.24
RONA	28.8	151	Pg	14:39:31.83	0.16
			Sg	39:35.25	-0.43
KRUC	128.1	10	Pg	14:39:49.75	0.36
			Sg	40:06.66	-0.58

110.

2024-01-31 time: 2:19:11.50 UTC ML= 2.2  
 lat: 48.773N lon: 22.751E h= 6.6 km  
 erh= 6.8km erz= 4.1km  
 nr= 11 gap=219 rms=1.00  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	39.3	297	PgD	2:19:17.78	-0.83
			Sg	19:23.68	-0.48
TRPA	73.2	192	Pg	2:19:25.09	0.47
			Sg	19:35.41	0.56
ABAH	123.6	245	Pn	2:19:32.53	-0.57
			Sn	19:49.17	-0.78
BMR	134.3	156	Pn	2:19:34.31	-0.13
			Sn	19:51.20	-1.14
NIE	192.0	292	Pn	2:19:44.32	2.69
			Sn	20:08.25	3.12
DRGR	220.3	181	Pn	2:19:46.12	0.95

111.

2024-01-31 time: 11:10:27.82 UTC ML= 0.8  
 lat: 47.195N lon: 18.295E h= 0.0 km  
 erh= 0.5km erz= 139km  
 nr= 8 gap=148 rms=0.10  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.8	352	Pg	11:10:31.31	0.13
			Sg	10:33.58	-0.22
PKST	21.0	290	Pg	11:10:31.54	-0.02
			Sg	10:34.45	-0.03
PKSG	23.0	18	Pg	11:10:31.95	0.02
			Sg	10:35.08	-0.05
MORH	112.1	166	Sg	11:11:03.58	0.12
PKSM	112.5	166	Sg	11:11:03.45	-0.13

112.

2024-01-31 time: 12:13:06.96 UTC ML= 1.3  
 lat: 47.903N lon: 16.108E h= 0.0 km  
 erh= 5.5km erz= 9.2km  
 nr= 5 gap=139 rms=0.13  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.6	279	Pg	12:13:10.12	-0.16
			Sg	13:13.05	0.18
RONA	26.6	148	Pg	12:13:11.84	0.13
			Sg	13:15.28	-0.14
KRUC	130.7	9	Pn	12:13:30.29	0.01

113.

2024-01-31 time: 12:30:18.81 UTC ML= 1.5  
 lat: 45.689N lon: 21.850E h= 10.0 km  
 erh= 2.9km erz= 2.6km  
 nr= 9 gap=142 rms=0.46  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.9	246	Pg	12:30:22.85	0.07
			Sg	30:25.28	-0.60
SURR	22.6	71	Pg	12:30:23.56	0.33
			Sg	30:26.53	-0.14
BANR	65.4	239	Sg	12:30:39.98	0.15
GZR	79.5	114	Pg	12:30:33.29	0.17
			Sg	30:43.34	-0.94
DRGR	139.4	28	Pn	12:30:42.48	0.53
			Sn	30:58.82	-1.19

114.

2024-02-01 time: 0:39:24.86 UTC ML= 2.2  
 lat: 46.733N lon: 20.639E h= 12.6 km  
 erh= 1.7km erz= 1.4km  
 nr= 25 gap= 78 rms=0.66  
 Locality: Eperjes  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	43.1	171	Sg	0:39:39.73	0.59
PKSN	61.7	287	Pg	0:39:35.77	-0.33
			Sg	39:46.37	1.50
BSZH	69.0	336	Pg	0:39:37.40	0.00
			Sg	39:47.35	0.18
PKS6	83.6	260	Pg	0:39:39.41	-0.54
			Sg	39:51.18	-0.54
PKS2	112.5	256	Pn	0:39:44.45	0.14
			Sn	39:57.99	-1.48

## Hypocenter Parameters

PKB3	115.9	253	Pn	0:39:44.18	-0.56
			Sn	39:58.93	-1.31
LTVH	120.2	53	Sn	0:40:01.19	0.01
PSZ	143.3	337	Pn	0:39:48.17	0.02
			Sn	40:05.14	-1.17
BZS	145.3	149	Pn	0:39:48.79	0.39
			Sn	40:06.47	-0.28
PKB4	158.1	260	Pn	0:39:50.68	0.68
			Sn	40:10.54	0.94
DRGR	158.4	88	Pn	0:39:49.74	-0.30
			Sn	40:08.88	-0.80
MORH	163.6	249	Pn	0:39:51.31	0.62
			Sn	40:11.44	0.61
PKSM	164.0	249	Pn	0:39:51.35	0.62
			Sn	40:11.21	0.30
ABAH	179.6	15	Sn	0:40:15.62	1.26
KOVH	208.0	250	Sn	0:40:25.77	5.10*

115.

2024-02-01 time: 6:29:08.20 UTC ML= 2.0  
 lat: 46.252N lon: 19.840E h= 4.0 km  
 erh= 2.3km erz= 2.6km  
 nr= 16 gap=181 rms=0.59  
 Locality: Zákányszék  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS6	44.1	331	Pg	6:29:16.71	0.61
			Sg	29:23.49	1.22
AMBH	69.1	81	Pg	6:29:20.36	-0.21
			Sg	29:29.67	-0.54
MORH	92.3	268	Pg	6:29:24.91	0.21
			Sg	29:37.25	-0.32
PKSM	92.6	267	Pg	6:29:25.00	0.26
			Sg	29:37.09	-0.55
PKB4	98.9	286	Pg	6:29:26.07	0.20
			Sg	29:38.80	-0.86
PKB1	99.8	306	Pg	6:29:26.07	0.03
			Sg	29:38.80	-1.16
PKS7	102.6	330	Sg	6:29:39.96	-0.87
PKS9	125.6	287	Sn	6:29:46.81	-0.89
KOVH	135.6	262	Pn	6:29:32.66	1.03
			Sn	29:49.99	0.08

116.

2024-02-01 time: 8:56:31.12 UTC ML= 1.7  
 lat: 48.880N lon: 21.092E h= 0.0 km  
 erh= 3.9km erz= 998km  
 nr= 7 gap=160 rms=0.70  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	60.7	11	Pg	8:56:42.32	0.35
			Sg	56:49.62	-0.81
KECS	62.7	225	Pg	8:56:43.01	0.68
			Sg	56:49.85	-1.21
ABAH	65.8	170	Pg	8:56:43.48	0.60
			Sg	56:51.44	-0.60
NIE	82.6	317	Sg	8:56:56.58	-0.79

117.

2024-02-01 time: 9:25:20.36 UTC ML= 1.9  
 lat: 48.605N lon: 21.309E h= 0.0 km  
 erh= 4.7km erz= 7.7km  
 nr= 12 gap=123 rms=1.37  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	34.8	188	Pg	9:25:28.35	1.78
			Sg	25:31.87	0.46

## Földrengés paraméterek

KECS	62.3	257	Pg	9:25:32.18	0.70
			Sg	25:38.20	-1.95
STHS	90.4	357	Pg	9:25:37.43	0.93
			Sg	25:48.54	-0.54
TRPA	105.4	120	Pg	9:25:39.46	0.28
			Sg	25:50.65	-3.21
NIE	116.1	321	Pg	9:25:41.33	0.23
			Sg	25:54.09	-3.19
LANS	148.0	294	Pn	9:25:46.27	0.42
			Sn	26:03.72	-2.01

118.

2024-02-01 time: 9:53:34.53 UTC ML= 1.5  
 lat: 48.571N lon: 20.774E h= 0.0 km  
 erh= 2.6km erz= 575km  
 nr= 6 gap=188 rms=0.34  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.5	245	Pg	9:53:39.33	0.61
			Sg	53:41.59	-0.40
ABAH	46.1	132	Pg	9:53:42.77	0.01
			Sg	53:49.03	-0.14
PSZ	97.7	222	Sg	9:54:05.17	-0.41
LANS	115.5	304	Pg	9:53:55.06	-0.09

119.

2024-02-01 time: 12:27:16.07 UTC ML= 1.5  
 lat: 48.092N lon: 20.330E h= 0.0 km  
 erh= 1.7km erz= 345km  
 nr= 6 gap=168 rms=0.21  
 Locality: Balaton  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	37.8	239	Pg	12:27:22.69	-0.13
			Sg	27:28.12	0.04
KECS	45.0	15	Pg	12:27:24.51	0.40
			Sg	27:30.15	-0.23
ABAH	71.3	71	Pg	12:27:28.74	-0.08
			Sg	27:38.68	-0.07

120.

2024-02-01 time: 12:36:45.28 UTC ML= 1.9  
 lat: 48.999N lon: 19.317E h= 0.0 km  
 erh= 3.2km erz= 4.5km  
 nr= 11 gap= 89 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	20.2	33	PgU	12:36:49.15	0.27
			Sg	36:51.46	-0.23
NIE	86.3	57	Pg	12:37:00.96	0.26
			Sg	37:10.67	-2.05
KECS	103.4	124	Pg	12:37:04.95	1.22
			Sg	37:17.36	-0.77
JAVC	121.6	263	Sg	12:37:23.19	-0.74
PSZ	127.5	160	Sg	12:37:24.29	-1.52
MORC	155.2	304	Sn	12:37:32.96	0.72
ABAH	161.8	119	Sn	12:37:35.21	1.50
MODS	165.5	245	Sn	12:37:33.95	-0.57

## Földrengés paraméterek

## Hypocenter Parameters

121.

2024-02-01 time: 23:53:30.09 UTC ML= 1.6  
 lat: 46.426N lon: 17.838E h= 12.1 km  
 erh= 2.8km erz= 2.4km  
 nr= 14 gap=270 rms=0.48  
 Locality: Somogyaszaló  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS9	38.3	62	Sg	23:53:43.43	0.59
KOVH	42.6	152	Pg	23:53:38.51	0.51
			Sg	53:43.48	-0.69
PKB4	59.3	82	Pg	23:53:41.09	0.19
			Sg	53:48.19	-1.15
PKSM	66.3	111	Pg	23:53:41.79	-0.33
			Sg	53:51.77	0.27
MORH	66.3	111	Pg	23:53:41.58	-0.55
			Sg	53:51.93	0.41
PKB5	71.4	75	Sg	23:53:53.43	0.32
PKB1	83.2	61	Pg	23:53:45.23	0.12
			Sg	53:56.63	-0.20
PKB3	104.3	90	P*	23:53:49.05	0.48
			S*	54:02.19	-0.80

122.

2024-02-02 time: 7:21:26.35 UTC ML= 1.4  
 lat: 47.960N lon: 16.082E h= 0.0 km  
 erh= 2.1km erz= 563km  
 nr= 6 gap=140 rms=0.33  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.8	258	Pg	7:21:29.24	-0.12
			Sg	21:31.75	0.04
RONA	33.1	151	Pg	7:21:32.26	-0.01
			Sg	21:36.82	-0.06
KRUC	124.7	11	Pg	7:21:49.02	0.41
			Sg	22:04.67	-1.31

123.

2024-02-02 time: 8:08:49.79 UTC ML= 1.4  
 lat: 48.032N lon: 20.329E h= 0.0 km  
 erh= 2.7km erz= 500km  
 nr= 6 gap=182 rms=0.29  
 Locality: Mónosbél  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	34.8	249	Pg	8:08:56.14	0.14
			Sg	09:00.45	-0.40
KECS	51.5	13	Pg	8:08:59.11	0.13
			Sg	09:06.05	-0.10
ABAH	73.8	67	Pg	8:09:03.19	0.22
			Sg	09:12.47	-0.79

124.

2024-02-02 time: 9:35:56.70 UTC ML= 1.6  
 lat: 47.346N lon: 17.702E h= 0.0 km  
 erh= 3.3km erz= 4.0km  
 nr= 8 gap=159 rms=1.26  
 Locality: Bakonyszűcs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	23.1	212	Pg	9:36:02.37	1.55
			Sg	36:04.09	0.05
PKST	26.9	111	Sg	9:36:05.92	0.68
EGYH	29.1	286	Sg	9:36:04.89	-1.06
CSKK	42.2	87	Sg	9:36:10.48	0.37

PKSG 52.2 84 Sg 9:36:13.28 -0.02  
 MORH 144.7 150 Sn 9:36:38.79 -2.55  
 PKSM 145.0 150 Sn 9:36:39.50 -1.91

125.

2024-02-02 time: 9:45:33.38 UTC ML= 1.5  
 lat: 48.587N lon: 20.807E h= 0.0 km  
 erh= 2.1km erz= 261km  
 nr= 5 gap=251 rms=0.12  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.4	244	Pg	9:45:38.01	-0.08
			Sg	45:41.65	-0.12
ABAH	45.5	135	Pg	9:45:41.67	0.16
			Sg	45:47.72	-0.13
PSZ	100.6	222	Sg	9:46:05.46	0.10

126.

2024-02-03 time: 1:22:57.92 UTC ML= 0.9  
 lat: 47.363N lon: 18.560E h= 14.3 km  
 erh= 3.1km erz= 1.4km  
 nr= 11 gap=231 rms=0.43  
 Locality: Vértesacsa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	13.2	284	Pg	1:23:00.77	-0.62
			Sg	23:03.99	-0.11
CSKK	22.6	270	Sg	1:23:07.10	0.67
PKST	41.4	254	Sg	1:23:12.44	0.60
PKB1	66.8	165	Pg	1:23:10.15	0.04
			Sg	23:19.81	0.19
PKB4	96.5	178	S*	1:23:27.73	-0.59
PKB3	115.1	155	Sn	1:23:33.35	0.62
MORH	127.7	177	Sn	1:23:35.25	-0.28
PKSM	128.2	177	Pn	1:23:19.32	0.22
			Sn	23:35.31	-0.32

127.

2024-02-03 time: 4:56:28.10 UTC ML= 1.1  
 lat: 47.440N lon: 16.677E h= 15.6 km  
 erh= 4.5km erz= 3.7km  
 nr= 10 gap=111 rms=0.69  
 Locality: Répcevis  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	28.5	342	Pg	4:56:34.33	0.43
			Sg	56:38.14	-0.28
RONA	40.7	315	PgU	4:56:36.55	0.67
			Sg	56:41.23	-0.71
EGYH	49.5	93	Pg	4:56:37.86	0.50
			Sg	56:44.18	-0.40
MPLH	71.8	115	Sg	4:56:49.96	-1.49
ARSA	89.7	256	S*	4:56:55.32	-1.13
PKST	104.5	101	Sn	4:56:59.97	-0.28
KOGS	115.0	196	Sn	4:57:03.34	0.76

128.

2024-02-03 time: 5:00:34.56 UTC ML= 2.3  
 lat: 47.775N lon: 17.162E h= 0.8 km  
 erh= 1.5km erz= 1.9km  
 nr= 57 gap=70 rms=1.05  
 Locality: Jánossomorja  
 Comments:

sta	dist	azm	phase	hr mn sec	res
EGYH	41.7	162	PgU	5:00:42.83	0.81

## Hypocenter Parameters

## Földrengés paraméterek

Station	Dist	Azm	Phase	hr	mn	sec	res
SOP	46.4	257	Sg	00:48.28		0.44	
			PgD	5:00:43.26		0.40	
			Sg	00:48.63		-0.70	
ZST	47.1	355	PgU	5:00:43.90		0.93	
			Sg	00:49.66		0.13	
RONA	65.5	263	PgD	5:00:46.46		0.20	
			Sg	00:54.42		-0.96	
MODS	67.1	7	PgD	5:00:47.54		0.99	
			Sg	00:55.90		-0.01	
MPLH	73.0	157	PgU	5:00:47.35		-0.25	
			Sg	00:56.01		-1.75	
SMOL	84.5	14	Pg	5:00:50.33		0.67	
			Sg	01:00.36		-1.08	
SRO	86.3	87	Pg	5:00:49.58		-0.40	
			Sg	01:01.37		-0.64	
PKST	87.2	131	Pg	5:00:50.25		0.12	
			Sg	01:00.65		-1.63	
WINA	89.4	294	Pg	5:00:51.03		0.50	
			Sg	01:02.13		-0.85	
CSKK	94.5	119	Pg	5:00:51.03		-0.40	
			Sg	01:03.54		-1.05	
CONA	98.8	280	Pg	5:00:52.40		0.19	
			Sg	01:04.47		-1.51	
PKSG	101.7	115	Pg	5:00:52.96		0.23	
			Sg	01:05.87		-1.03	
TIH	111.8	150	Pg	5:00:54.61		0.08	
			Sg	01:08.82		-1.29	
JAVC	126.3	17	Sg	5:01:12.14		-2.58	
ARSA	136.5	245	Pn	5:00:57.67		-0.85	
			Sn	01:14.62		-2.59	
KRUC	154.0	338	Pn	5:01:01.37		0.67	
			Sn	01:19.05		-2.03	
ABNA	162.6	308	Pn	5:01:02.07		0.30	
			Sn	01:21.00		-1.99	
KOGS	162.9	205	Pn	5:01:02.60		0.79	
			Sn	01:23.17		0.11	
PKB1	165.3	132	Pn	5:01:03.93		1.82	
VRAC	175.6	346	Pn	5:01:03.08		-0.32	
PKB5	177.3	138	Pn	5:01:05.70		2.10	
			Sn	01:24.43		-1.82	
PKB4	179.3	142	Pn	5:01:05.93		2.07	
			Sn	01:27.95		1.24	
RCF6	184.5	210	Pn	5:01:06.14		1.64	
			Sn	01:29.04		1.19	
GROS	192.9	221	Pn	5:01:04.67		-0.88	
			Sn	01:31.69		1.97	
PERS	200.1	231	Pn	5:01:06.34		-0.11	
KOVH	200.6	159	Pn	5:01:05.98		-0.53	
			Sn	01:34.30		2.87	
SOKA	202.2	233	Pn	5:01:09.34		2.63	
MORH	206.7	147	Pn	5:01:06.12		-1.15	
			Sn	01:35.53		2.74	
PKSM	207.0	147	Pn	5:01:06.03		-1.28	
MOA	217.1	272	Sn	5:01:33.91		-1.18	
MORC	224.4	7	Pn	5:01:09.74		0.26	
			Sn	01:35.19		-1.52	

129.

2024-02-03 time: 14:33:16.35 UTC ML= 1.5  
 lat: 45.693N lon: 21.866E h= 10.0 km  
 erh= 2.4km erz= 1.9km  
 nr= 7 gap=142 rms=0.33  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	21.2	246	Pg	14:33:20.57		0.03	
			Sg	33:23.70		-0.10	
SURR	21.3	71	Sg	14:33:24.00		0.17	
BANR	66.7	239	Sg	14:33:38.02		0.24	
GZR	78.6	115	Sg	14:33:40.90		-0.62	
DRGR	138.5	28	Pn	14:33:39.74		0.37	
			Sn	33:56.72		-0.61	

130.

2024-02-05 time: 9:12:47.91 UTC ML= 1.4  
 lat: 48.611N lon: 20.787E h= 0.0 km  
 erh= 3.6km erz= 748km  
 nr= 6 gap=194 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.4	237	Pg	9:12:52.70		0.08	
			Sg	12:56.20		-0.10	
ABAH	48.5	136	Pg	9:12:57.02		0.46	
			Sg	13:02.59		-0.72	
LANS	113.8	302	Pg	9:13:08.44		0.20	
			Sg	13:23.16		-0.93	

131.

2024-02-05 time: 9:42:45.65 UTC ML= 1.9  
 lat: 47.339N lon: 17.632E h= 0.0 km  
 erh= 3.6km erz= 6.1km  
 nr= 11 gap=178 rms=1.18  
 Locality: Csót  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	20.0	200	Pg	9:42:50.30		1.07	
			Sg	42:52.09		0.07	
PKST	31.7	106	Pg	9:42:52.23		0.91	
CSKK	47.6	87	Pg	9:42:54.82		0.66	
TIH	52.7	158	Pg	9:42:55.75		0.68	
			Sg	43:02.06		-0.35	
PKSG	57.6	84	Sg	9:43:03.15		-0.83	
PKS9	97.1	149	Sg	9:43:14.06		-2.44	
PKB4	119.4	142	Pg	9:43:07.13		0.15	
			Sg	43:20.37		-3.25	
ARSA	159.8	266	Sn	9:43:31.60		-2.04	

132.

2024-02-05 time: 13:44:44.93 UTC ML= 1.3  
 lat: 46.077N lon: 18.147E h= 0.0 km  
 erh= 0.4km erz= 115km  
 nr= 8 gap=140 rms=0.08  
 Locality: Cserkút  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	3.8	288	Pg	13:44:45.57		-0.04	
			Sg	44:46.10		-0.04	
PKSV	22.5	159	Pg	13:44:48.90		-0.06	
			Sg	44:52.16		0.06	
PKSM	41.0	69	PgU	13:44:52.29		0.03	
			Sg	44:57.98		0.00	
MORH	41.4	68	PgU	13:44:52.45		0.12	
			Sg	44:57.79		-0.30	

133.

2024-02-06 time: 8:42:43.48 UTC ML= 1.5  
 lat: 48.510N lon: 20.764E h= 0.0 km  
 erh= 2.4km erz= 342km  
 nr= 6 gap=222 rms=0.21  
 Locality: Bódvarákó  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	20.7	262	Pg	8:42:47.01		-0.17	
			Sg	42:50.61		0.54	
ABAH	42.5	124	Pg	8:42:51.16		0.09	
			Sg	42:57.11		0.12	
PSZ	92.2	224	Pg	8:42:59.93		-0.01	
			Sg	43:12.45		-0.33	



## Földrengés paraméterek

## Hypocenter Parameters

134.

2024-02-06 time: 9:10:08.09 UTC ML= 1.8  
 lat: 45.639N lon: 17.281E h= 0.0 km  
 erh= 2.7km erz= 4.3km  
 nr= 15 gap=115 rms=0.91  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	80.5	70	Pg	9:10:23.32			0.86
			Sg		10:34.39		0.72
KOVH	80.8	52	Pg	9:10:23.20			0.68
			Sg		10:34.36		0.58
BLY	99.3	184	Pg	9:10:26.11			0.29
			Sg		10:39.40		-0.25
KOGS	120.2	318	Pg	9:10:30.80			1.25
			Sg		10:46.45		0.16
PKSM	123.2	59	Pg	9:10:29.31			-0.78
			Sg		10:45.42		-1.84
MORH	123.6	59	Pg	9:10:29.63			-0.54
			Sg		10:45.36		-2.03
PKB4	139.8	47	Sn	9:10:51.45			-0.19
CRES	143.5	278	Pn	9:10:32.52			-0.50
			Sn		10:49.66		-2.80

135.

2024-02-06 time: 10:10:58.28 UTC ML= 1.2  
 lat: 47.202N lon: 18.293E h= 0.0 km  
 erh= 2.7km erz= 795km  
 nr= 8 gap=147 rms=0.56  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.1	352	Pg	10:11:01.86			0.34
			Sg		11:03.27		-0.77
PKST	20.6	288	Sg	10:11:04.15			-0.68
PKSG	22.4	19	Sg	10:11:05.38			-0.02
MPLH	57.2	266	Pg	10:11:09.02			0.52
MORH	112.8	166	Sg	10:11:33.20			-0.95
PKSM	113.2	166	Pg	10:11:19.04			0.54
			Sg		11:33.75		-0.52

136.

2024-02-06 time: 10:41:52.92 UTC ML= 1.6  
 lat: 47.322N lon: 18.452E h= 0.0 km  
 erh= 2.7km erz= 870km  
 nr= 9 gap=115 rms=0.67  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	9.1	329	PgU	10:41:54.96			0.42
			Sg		41:55.23		-0.57
CSKK	15.2	288	Pg	10:41:56.17			0.54
			Sg		41:56.89		-0.86
PKST	32.4	258	Pg	10:41:59.22			0.52
			Sg		42:02.18		-1.03
MORH	123.8	173	Sg	10:42:32.66			0.38
PKSM	124.3	173	Sg	10:42:32.46			0.04
PSZ	127.1	59	Sg	10:42:31.82			-1.50

137.

2024-02-06 time: 11:00:00.47 UTC ML= 1.9  
 lat: 48.153N lon: 16.888E h= 0.0 km  
 erh= 2.9km erz= 968km  
 nr= 12 gap=148 rms=0.79  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	16.6	73	Pg	11:00:03.29			-0.15
			Sg		00:05.01		-0.74
MODS	37.9	50	Pg	11:00:07.44			0.21
			Sg		00:12.68		0.18
RONA	67.1	221	Pg	11:00:12.96			0.51
			Sg		00:20.23		-1.57
CONA	80.5	252	Pg	11:00:15.46			0.61
			Sg		00:25.87		-0.20
KRUC	107.4	340	Pg	11:00:20.86			1.22
			Sg		00:33.30		-1.29
VRAC	130.2	350	Pg	11:00:23.52			-0.21
			Sg		00:39.49		-2.38

138.

2024-02-06 time: 17:50:40.16 UTC ML= 1.1  
 lat: 45.804N lon: 21.747E h= 0.1 km  
 erh= 7.0km erz= \*\*\*km  
 nr= 5 gap=201 rms=0.37  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	23.2	206	Pg	17:50:44.80			0.49
			Sg		50:47.07		-0.47
SURR	29.9	101	Pg	17:50:45.70			0.20
			Sg		50:49.19		-0.47
TIM	41.6	260	Pg	17:50:47.37			-0.23

139.

2024-02-07 time: 3:57:18.16 UTC ML= 0.3  
 lat: 47.292N lon: 18.211E h= 10.0 km  
 erh= 3.5km erz= 2.5km  
 nr= 7 gap=131 rms=0.24  
 Locality: Bodajk  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	8.8	26	PgD	3:57:20.74			0.21
			Sg		57:22.34		-0.04
PKST	13.8	255	PgD	3:57:21.29			0.09
			Sg		57:23.18		-0.40
PKSG	17.6	51	Pg	3:57:21.86			0.09
			Sg		57:23.91		-0.67
PKSM	124.5	165	Sn	3:57:56.06			0.02

140.

2024-02-07 time: 8:50:42.64 UTC ML= 1.6  
 lat: 48.599N lon: 20.801E h= 0.0 km  
 erh= 2.7km erz= 319km  
 nr= 5 gap=255 rms=0.14  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.6	241	Pg	8:50:47.40			0.01
			Sg		50:51.32		0.23
ABAH	46.8	136	Pg	8:50:50.93			-0.07
			Sg		50:57.66		0.14
PSZ	101.3	222	Sg	8:51:14.56			-0.28

141.

2024-02-07 time: 10:34:45.66 UTC ML= 1.8  
 lat: 48.552N lon: 19.416E h= 0.0 km  
 erh= 4.3km erz= 5.0km  
 nr= 9 gap=177 rms=0.89  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
LANS	66.7	3	Sg	10:35:06.10	-0.76
PSZ	78.9	153	Pg	10:35:00.46	0.71
			Sg	35:10.09	-0.65
KECS	79.4	96	Pg	10:35:00.15	0.31
			Sg	35:10.17	-0.73
PENC	85.2	187	Sg	10:35:11.58	-1.17
NIE	116.7	34	Sg	10:35:21.36	-1.39
ABAH	138.0	102	Pn	10:35:11.34	1.45
			Sn	35:29.11	0.31

142.

2024-02-07 time: 10:59:59.85 UTC ML= 1.5  
 lat: 48.097N lon: 16.836E h= 0.0 km  
 erh= 4.7km erz= \*\*\*km  
 nr= 5 gap=161 rms=0.47  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	22.7	61	Pg	11:00:04.56	0.65
			Sg	00:06.52	-0.55
MODS	45.0	47	Sg	11:00:13.72	-0.43
RONA	59.8	222	Pg	11:00:10.27	-0.27
KRUC	112.1	343	Sg	11:00:35.77	0.29

143.

2024-02-07 time: 22:31:44.27 UTC ML= 0.8  
 lat: 45.696N lon: 21.833E h= 10.0 km  
 erh= 9.0km erz= 9.8km  
 nr= 6 gap=166 rms=0.37  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.1	242	Pg	22:31:48.11	-0.01
			Sg	31:50.89	-0.22
SURR	23.6	74	Pg	22:31:49.05	0.21
			Sg	31:52.67	0.26
TIM	47.9	275	Pg	22:31:53.08	0.07
DEV	85.8	76	Sg	22:32:10.12	-1.60

144.

2024-02-08 time: 8:25:23.95 UTC ML= 1.4  
 lat: 48.135N lon: 16.185E h= 0.0 km  
 erh= 3.7km erz= 4.8km  
 nr= 8 gap=157 rms=0.78  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	33.3	226	Pg	8:25:30.76	0.86
			Sg	25:33.77	-0.77
RONA	49.1	170	Pg	8:25:33.11	0.39
			Sg	25:38.53	-1.03
KRUC	104.2	9	Pg	8:25:43.20	0.63
			Sg	25:57.08	-0.01
VRAC	133.9	13	Pn	8:25:47.15	-0.54
			Sn	26:04.20	-2.00

145.

2024-02-08 time: 8:35:00.83 UTC ML= 2.1  
 lat: 47.835N lon: 19.201E h= 0.0 km  
 erh= 4.2km erz= 5.3km  
 nr= 20 gap= 53 rms=1.42  
 Locality: Keszeg  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
-----	------	-----	-------	-----------	-----

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PENC	7.8	130	Pg	8:35:03.15	0.93
			Sg	35:04.06	0.75
BUD	41.3	199	Sg	8:35:13.62	-0.34
PSZ	52.7	80	Sg	8:35:16.86	-0.71
BSZH	99.9	127	Sg	8:35:31.03	-1.55
PKSN	115.8	154	Sg	8:35:35.16	-2.48
KECS	119.7	53	Pg	8:35:22.06	-0.14
			Sg	35:37.22	-1.65
MPLH	145.4	239	Sn	8:35:42.46	-3.16
LANS	147.6	8	Pn	8:35:27.70	1.44
MODS	155.3	293	Sn	8:35:44.85	-2.96
PKB4	155.6	197	Sn	8:35:46.61	-1.27
ABAH	160.3	71	Pn	8:35:28.00	0.15
			Sn	35:49.68	0.75
JAVC	160.7	315	Pn	8:35:28.94	1.04
MORH	185.0	193	Pn	8:35:32.58	1.66
			Sn	35:53.78	-0.62
PKSM	185.4	193	Pn	8:35:32.79	1.81
			Sn	35:53.70	-0.81
KOVH	211.5	203	Sn	8:36:04.08	3.78

146.

2024-02-08 time: 9:41:06.70 UTC ML= 1.5  
 lat: 47.938N lon: 16.018E h= 0.0 km  
 erh= 3.6km erz= 9.2km  
 nr= 10 gap=108 rms=1.00  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	11.7	264	Pg	9:41:09.53	0.74
			Sg	41:11.57	1.14
RONA	33.8	142	Pg	9:41:12.26	-0.46
			Sg	41:16.96	-0.47
ARSA	85.1	206	Sg	9:41:33.32	-0.42
MODS	105.5	63	Pg	9:41:27.29	1.76
			Sg	41:40.05	-0.17
KRUC	128.0	13	Pg	9:41:28.86	-0.69
			Sg	41:44.51	-2.87
VRAC	158.1	16	Pn	9:41:32.97	-0.48

147.

2024-02-08 time: 9:44:49.25 UTC ML= 1.6  
 lat: 46.831N lon: 17.401E h= 0.0 km  
 erh= 5.0km erz= 884km  
 nr= 7 gap=250 rms=0.60  
 Locality: Hegymagas  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	38.3	78	Sg	9:45:02.39	0.96
MPLH	39.2	16	Pg	9:44:56.06	-0.19
			Sg	45:00.92	-0.79
CSKK	88.1	48	Sg	9:45:17.51	0.24
PKSG	97.7	50	Pg	9:45:07.32	0.63
			Sg	45:19.62	-0.68
PKSM	117.4	126	Sg	9:45:25.99	-0.59

148.

2024-02-08 time: 10:43:20.75 UTC ML= 1.8  
 lat: 48.826N lon: 21.660E h= 0.0 km  
 erh= 1.9km erz= 3.0km  
 nr= 18 gap= 68 rms=0.78  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	46.5	75	Pg	10:43:29.21	0.16
			Sg	43:35.48	-0.05
ABAH	66.7	208	Pg	10:43:34.07	1.42
			Sg	43:41.27	-0.67
STHS	72.3	335	Pg	10:43:34.06	0.40

## Földrengés paraméterek

## Hypocenter Parameters

	Sg	43:42.64	-1.10
KECS 94.6 246	Pg	10:43:37.05	-0.59
	Sg	43:49.21	-1.60
TRPA 101.1 140	Pg	10:43:37.79	-1.01
	Sg	43:52.97	0.09
KWP 117.6 40	Pg	10:43:41.70	-0.05
	Sg	43:57.71	-0.42
NIE 118.4 304	Pg	10:43:42.01	0.13
	Sg	43:57.55	-0.82
LANS 164.5 283	Pn	10:43:48.94	0.65
	Sn	44:09.72	-0.05
PSZ 165.3 232	Pn	10:43:49.88	1.49
	Sn	44:09.60	-0.35

149.

2024-02-08 time: 13:02:49.78 UTC ML= 1.3  
 lat: 48.521N lon: 19.933E h= 13.6 km  
 erh= 2.9km erz= 3.4km  
 nr= 8 gap=152 rms=0.57  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KECS	41.1	96	Pg	13:02:57.93			0.43
			Sg	03:02.94			-0.58
PSZ	67.0	182	Pg	13:03:02.47			0.48
			Sg	03:10.53			-0.98
LANS	77.9	334	Pg	13:03:04.54			0.64
			Sg	03:14.05			-0.87
ABAH	99.9	104	S*	13:03:20.86			-0.38
NIE	103.7	16	Pn	13:03:07.79			-0.22

150.

2024-02-08 time: 16:43:54.04 UTC ML= 0.3  
 lat: 45.762N lon: 21.768E h= 10.0 km  
 erh= 8.8km erz= 7.6km  
 nr= 5 gap=222 rms=0.41  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	20.0	216	Pg	16:43:58.37			0.34
			Sg	44:01.34			0.19
SURR	27.8	92	Pg	16:43:59.48			0.17
			Sg	44:02.67			-0.76
BANR	64.9	229	Sg	16:44:14.34			-0.58

151.

2024-02-08 time: 23:37:21.69 UTC ML= 0.8  
 lat: 47.439N lon: 18.512E h= 19.0 km  
 erh= 3.9km erz= 1.8km  
 nr= 13 gap=154 rms=0.73  
 Locality: Bodmér  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.6	240	Pg	23:37:25.96			0.38
			Sg	37:27.80			-0.81
CSKK	20.8	246	Pg	23:37:26.49			-0.23
			Sg	37:31.67			1.02
PKB1	75.8	164	P*	23:37:35.43			0.24
			S*	37:44.96			-0.76
EGYH	89.1	268	S*	23:37:48.47			-0.83
PKB4	105.0	176	Sn	23:37:52.40			-0.79
PSZ	116.7	63	Sn	23:37:55.45			-0.32
PKB3	124.3	155	Sn	23:37:56.89			-0.56
MORH	136.4	176	Sn	23:38:00.47			0.33
PKSM	136.8	176	Pn	23:37:45.27			1.93
			Sn	38:00.04			-0.19

152.

2024-02-09 time: 0:47:50.69 UTC ML= 1.7  
 lat: 46.135N lon: 21.597E h= 10.0 km  
 erh= 7.0km erz=10.8km  
 nr= 8 gap=129 rms=0.64  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	57.6	178	PgU	0:48:01.35			0.21
			Sg	48:08.00			-1.29
AMBH	71.3	290	Pg	0:48:03.78			0.23
			Sg	48:12.62			-0.95
BANR	91.0	203	Pg	0:48:07.33			0.29
			Sg	48:19.63			-0.16
DRGR	112.5	50	Pn	0:48:11.29			0.81
			Sn	48:24.91			-1.00

153.

2024-02-09 time: 1:23:33.74 UTC ML= 1.5  
 lat: 46.101N lon: 21.565E h= 16.6 km  
 erh= 6.1km erz= 7.8km  
 nr= 7 gap=127 rms=0.52  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	48.5	213	Pg	1:23:43.01			0.11
BZS	54.0	176	PgU	1:23:44.00			0.17
			Sg	23:50.42			-1.28
AMBH	70.4	293	P*D	1:23:46.55			-0.09
			S*	23:56.56			-0.14
DRGR	116.9	49	Pn	1:23:53.99			0.77
			Sn	24:07.61			-0.81

154.

2024-02-09 time: 8:46:25.99 UTC ML= 1.2  
 lat: 48.071N lon: 20.720E h= 0.0 km  
 erh= 5.2km erz= \*\*\*km  
 nr= 5 gap=197 rms=0.46  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	46.0	57	Pg	8:46:34.13			-0.08
			Sg	46:40.40			-0.23
KECS	49.0	339	Pg	8:46:35.46			0.72
			Sg	46:41.03			-0.54
PSZ	63.9	255	Sg	8:46:45.88			-0.42

155.

2024-02-09 time: 9:09:39.89 UTC ML= 2.0  
 lat: 48.428N lon: 17.186E h= 0.0 km  
 erh= 2.0km erz= 2.4km  
 nr= 22 gap= 80 rms=0.98  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	9.1	132	PgU	9:09:42.01			0.50
			Sg	09:43.42			0.64
SMOL	20.4	62	Pg	9:09:43.50			-0.03
			Sg	09:45.61			-0.75
ZST	26.5	193	Pg	9:09:45.14			0.52
			Sg	09:48.58			0.27
JAVC	59.8	37	Pg	9:09:51.40			0.83
			Sg	09:58.75			-0.16
KRUC	91.4	320	Pg	9:09:56.93			0.72
			Sg	10:07.29			-1.65
RONA	104.6	219	Pg	9:09:58.94			0.36

### Hypocenter Parameters

VRAC 107.1 336 Pg 9:09:59.36 0.34  
 CONA 113.1 241 Pg 9:10:00.05 -0.03  
 Sg 10:13.63 -2.20  
 MPLH 142.3 169 Sn 9:10:21.49 -2.51  
 CSKK 143.1 146 Sn 9:10:21.64 -2.53  
 PKSG 146.2 142 Sn 9:10:23.53 -1.34  
 MORC 152.3 10 Pn 9:10:05.85 -0.06  
 Sn 10:24.85 -1.36  
 ARSA 180.6 224 Pn 9:10:11.40 1.95  
 Sn 10:32.43 -0.07  
 LANS 186.0 64 Sn 9:10:33.26 -0.43

156.

2024-02-09 time: 9:54:55.98 UTC ML= 1.4  
 lat: 48.606N lon: 20.770E h= 0.0 km  
 erh= 3.0km erz= \*\*\*km  
 nr= 9 gap=114 rms=0.82  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.0	237	Pg	9:55:01.11			0.66
			Sg		55:03.73		-0.20
ABAH	49.0	135	Pg	9:55:05.53			0.81
			Sg		55:10.97		-0.58
NIE	96.3	340	Sg	9:55:26.49			-0.11
STHS	96.6	21	Sg	9:55:25.70			-0.97
PSZ	100.4	220	Sg	9:55:25.74			-2.14
LANS	113.0	302	Pg	9:55:16.75			0.59
			Sg		55:31.02		-0.89

157.

2024-02-09 time: 10:58:38.41 UTC ML= 1.3  
 lat: 48.605N lon: 21.294E h= 0.0 km  
 erh= 7.9km erz= \*\*\*km  
 nr= 6 gap=189 rms=1.09  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	34.6	187	Sg	10:58:49.11			-0.29
KECS	61.2	257	Pg	10:58:50.76			1.42
			Sg		58:57.33		-0.54
STHS	90.4	358	Pg	10:58:54.83			0.29
			Sg		59:06.55		-0.58
NIE	115.5	322	Sg	10:59:12.73			-2.40

158.

2024-02-09 time: 13:50:56.79 UTC ML= 1.9  
 lat: 45.713N lon: 22.704E h= 12.9 km  
 erh= 2.3km erz= 2.2km  
 nr= 11 gap=132 rms=0.57  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DEV	24.5	39	Pg	13:51:01.93			0.19
			Sg		51:05.02		-0.58
GZR	36.0	171	Pg	13:51:03.89			0.28
			Sg		51:08.27		-0.67
SURR	45.3	276	PgD	13:51:05.92			0.72
			Sg		51:11.67		-0.09
BZS	85.4	263	PgD	13:51:12.06			-0.15
			Sg		51:23.01		-1.22
DRGR	119.9	0	Pn	13:51:17.85			0.73
			Sn		51:32.04		-0.94
CJR	130.9	32	Sn	13:51:35.13			-0.29

### Földrengés paraméterek

159.

2024-02-10 time: 6:09:18.56 UTC ML= 1.4  
 lat: 45.897N lon: 16.026E h= 10.0 km  
 erh= 2.3km erz= 1.8km  
 nr= 9 gap=182 rms=0.37  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.3	273	Pg	6:09:20.79			0.21
			Sg		09:22.12		-0.03
ZAG	8.0	198	Pg	6:09:20.71			-0.13
			Sg		09:22.08		-0.55
CRES	44.9	260	Pg	6:09:27.20			0.43
			Sg		09:33.30		0.12
KOGS	63.6	16	Sg	6:09:39.40			0.37
GROS	74.6	327	Sg	6:09:42.11			-0.37
PERS	107.9	320	Sn	6:09:51.82			-0.94

160.

2024-02-10 time: 7:25:27.33 UTC ML= 1.8  
 lat: 47.718N lon: 16.103E h= 7.8 km  
 erh= 1.6km erz= 1.4km  
 nr= 30 gap=56 rms=0.79  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	14.6	98	PgD	7:25:30.26			-0.04
			Sg		25:32.54		-0.07
CONA	29.6	322	PgU	7:25:32.88			0.08
			Sg		25:36.22		-0.83
SOP	34.4	96	Pg	7:25:33.86			0.23
			Sg		25:37.89		-0.65
WINA	43.3	357	Pg	7:25:35.96			0.76
			Sg		25:42.05		0.71
ARSA	67.9	220	Pg	7:25:38.67			-0.87
			Sg		25:46.66		-2.40
ZST	91.6	55	Pg	7:25:43.67			-0.09
EGYH	98.3	110	Sg	7:25:58.93			0.24
MODS	113.9	50	Pn	7:25:47.78			0.21
			Sn		26:02.26		-1.10
ABNA	117.0	335	Pn	7:25:47.36			-0.60
			Sn		26:01.77		-2.28
MPLH	124.3	119	Sn	7:26:04.67			-0.99
SMOL	132.6	48	Pn	7:25:50.60			0.70
			Sn		26:07.14		-0.35
MOA	138.4	276	Pn	7:25:51.77			1.14
			Sn		26:08.37		-0.43
SOKA	141.2	215	Sn	7:26:08.74			-0.68
KOGS	141.6	175	Pn	7:25:52.61			1.59
			Sn		26:09.52		0.02
PERS	141.7	212	Sn	7:26:08.98			-0.53
KRUC	151.0	8	Pn	7:25:52.71			0.52
			Sn		26:10.77		-0.81
BIOA	185.0	269	Pn	7:25:57.93			1.49
			Sn		26:20.18		1.04
LESA	259.9	263	Sn	7:26:37.19			1.44

161.

2024-02-10 time: 7:38:32.09 UTC ML= 1.3  
 lat: 47.692N lon: 16.072E h= 8.1 km  
 erh= 1.6km erz= 1.6km  
 nr= 13 gap=133 rms=0.47  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.9	87	Pg	7:38:35.55			0.11
			Sg		38:37.47		-0.57
CONA	30.7	329	Pg	7:38:37.86			0.11
			Sg		38:42.12		-0.05

## Földrengés paraméterek

WINA 46.2 0 Pg 7:38:40.51 0.04  
 Sg 38:46.91 -0.10  
 ARSA 64.1 220 Pg 7:38:43.72 0.09  
 Sg 38:51.89 -0.75  
 ABNA 118.8 336 Pn 7:38:52.74 -0.17  
 Sn 39:06.80 -2.34  
 MOA 136.5 277 Sn 7:39:13.58 0.51  
 KRUC 154.3 9 Pn 7:38:58.38 1.05  
 Sn 39:16.33 -0.69

162.

2024-02-10 time: 17:26:55.11 UTC ML= 2.1  
 lat: 45.867N lon: 16.029E h= 10.0 km  
 erh= 1.5km erz= 0.8km  
 nr= 14 gap=198 rms=0.30  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	5.0	213	Pg	17:26:57.09	-0.02
			Sg	26:58.54	-0.13
PTJ	6.6	304	Pg	17:26:57.13	-0.12
			Sg	26:58.48	-0.45
GOLS	35.2	297	iSg	17:27:06.70	-0.05
CRES	44.7	264	Pg	17:27:03.44	0.15
			Sg	27:09.68	0.01
KOGS	66.8	15	Pg	17:27:07.49	0.31
			Sg	27:16.33	-0.26
PDKS	82.8	285	ePg	17:27:10.52	0.51
PERS	110.7	321	Pn	17:27:14.35	-0.32
			Sn	27:28.21	-1.72*
SOKA	118.5	320	Pn	17:27:15.98	0.34
			Sn	27:31.13	-0.51

163.

2024-02-11 time: 22:46:19.26 UTC ML= 0.4  
 lat: 47.709N lon: 16.082E h= 12.6 km  
 erh= 1.3km erz= 3.2km  
 nr= 6 gap=128 rms=0.18  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.1	94	Pg	22:46:23.17	0.26
			Sg	46:25.56	-0.20
CONA	29.5	326	Pg	22:46:25.13	0.15
			Sg	46:29.35	-0.09
SOP	35.9	95	Pg	22:46:25.89	-0.16
ARSA	66.1	220	Sg	22:46:40.46	-0.18

164.

2024-02-12 time: 1:06:12.71 UTC ML= 1.5  
 lat: 45.863N lon: 16.009E h= 10.0 km  
 erh= 3.2km erz= 2.3km  
 nr= 10 gap=181 rms=0.57  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	4.0	197	Pg	1:06:14.49	-0.14
			Sg	06:15.86	-0.27
PTJ	5.7	316	Pg	1:06:14.45	-0.31
			Sg	06:15.78	-0.58
CRES	43.1	264	Pg	1:06:21.58	0.97
			Sg	06:27.20	0.43
KOGS	67.6	16	Pg	1:06:25.36	0.45
			Sg	06:34.37	-0.06
GROS	77.1	329	Sg	1:06:37.09	-0.33
PERS	110.0	321	Sn	1:06:46.00	-1.37

## Hypocenter Parameters

165.

2024-02-12 time: 8:36:56.83 UTC ML= 1.7  
 lat: 48.885N lon: 21.034E h= 0.0 km  
 erh= 3.7km erz= 5.1km  
 nr= 8 gap=152 rms=0.68  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	60.2	222	Sg	8:37:15.32	-0.65
STHS	61.1	15	Pg	8:37:08.32	0.57
			Sg	37:15.04	-1.22
ABAH	67.2	167	Pg	8:37:09.22	0.38
			Sg	37:17.15	-1.05
NIE	79.3	318	Sg	8:37:22.31	0.27
PSZ	136.6	218	Pn	8:37:21.53	0.63
			Sn	37:39.06	-0.62

166.

2024-02-12 time: 8:57:40.15 UTC ML= 1.3  
 lat: 47.059N lon: 18.047E h= 0.0 km  
 erh= 1.7km erz= 4.5km  
 nr= 16 gap=74 rms=0.57  
 Locality: Balatonfűzfő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	21.2	213	Pg	8:57:44.19	0.25
			Sg	57:47.33	0.43
PKST	22.2	358	Pg	8:57:44.19	0.07
			Sg	57:46.56	-0.65
CSKK	37.5	26	Pg	8:57:46.71	-0.13
MPLH	40.4	288	Pg	8:57:47.92	0.55
			Sg	57:52.30	-0.70
PKSG	45.2	35	Pg	8:57:48.22	-0.01
PKB1	64.5	118	Pg	8:57:52.98	1.32
MORH	104.3	154	Pg	8:57:58.75	-0.03
			Sg	58:11.90	-1.41
PKSM	104.6	154	Pg	8:57:58.83	0.00
			Sg	58:12.26	-1.15
KOVH	108.0	178	Pg	8:57:59.58	0.14
			Sg	58:13.51	-0.97
PSZ	168.9	56	Sn	8:58:30.09	-0.06

167.

2024-02-12 time: 11:36:37.37 UTC ML= 1.6  
 lat: 45.891N lon: 16.022E h= 6.1 km  
 erh= 1.9km erz= 2.0km  
 nr= 7 gap=182 rms=0.26  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.1	281	Pg	11:36:38.79	0.00
			Sg	36:40.11	0.22
ZAG	7.2	197	Pg	11:36:38.84	-0.22
			Sg	36:40.26	-0.12
CRES	44.5	261	Pg	11:36:45.78	0.39
			Sg	36:51.14	-0.50
KOGS	64.4	16	Sg	11:36:57.95	0.02

168.

2024-02-12 time: 11:39:01.56 UTC ML= 2.0  
 lat: 45.888N lon: 16.009E h= 10.0 km  
 erh= 2.5km erz= 1.5km  
 nr= 16 gap=174 rms=0.58  
 Locality: Croatia  
 Comments:

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PTJ	4.2	288	Pg	11:39:03.43	-0.06
			Sg	39:04.68	-0.32
ZAG	6.7	190	Pg	11:39:03.39	-0.32
			Sg	39:04.45	-0.93
CESS	43.4	283	iSg	11:39:16.01	0.30
CRES	43.4	261	Pg	11:39:10.12	0.60
			Sg	39:15.91	0.18
KOGS	65.0	17	Pg	11:39:13.84	0.54
			Sg	39:22.64	0.18
GROS	74.8	328	Pg	11:39:15.19	0.16
PERS	107.9	320	Sg	39:24.79	-0.75
			Sn	11:39:34.26	-1.49
SOKA	115.6	319	Pn	11:39:21.91	0.18
			Sn	39:36.71	-0.76
OBKA	132.2	301	Pn	11:39:26.10	2.30
			Sn	39:41.31	0.17

169.

2024-02-12 time: 18:37:42.66 UTC ML= 1.3  
 lat: 45.699N lon: 18.436E h= 9.8 km  
 erh= 4.5km erz=10.9km  
 nr= 9 gap=310 rms=0.36  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	25.5	326	Pg	18:37:47.48	-0.06
			Sg	37:52.03	0.69
KOVH	50.6	329	Pg	18:37:51.69	-0.17
			Sg	37:58.75	-0.29
PKSM	59.2	16	Pg	18:37:53.18	-0.21
			Sg	38:01.63	-0.12
MORH	59.7	16	Pg	18:37:53.26	-0.21
			Sg	38:01.77	-0.13
PKB4	89.6	8	Pg	18:37:59.56	0.80

170.

2024-02-12 time: 22:22:29.54 UTC ML= 1.4  
 lat: 46.249N lon: 17.846E h= 17.8 km  
 erh= 3.4km erz= 3.0km  
 nr= 18 gap=145 rms=0.70  
 Locality: Gálosfa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	26.5	132	PgD	22:22:35.19	-0.06
			Sg	22:39.20	-0.50
PKS9	50.2	42	Pg	22:22:39.23	0.19
PKSV	51.0	142	Sg	22:22:46.06	-0.64
PKSM	61.5	94	Pg	22:22:41.70	0.73
			Sg	22:48.99	-0.90
MORH	61.7	93	Pg	22:22:41.82	0.81
			Sg	22:48.89	-1.06
PKB4	64.4	65	P*	22:22:41.72	0.29
			S*	22:49.91	-0.79
TIH	72.4	3	P*	22:22:41.76	-0.88
			S*	22:51.38	-1.47
PKB5	78.4	61	S*	22:22:53.73	-0.76
BEHE	86.0	287	P*	22:22:44.55	-0.15
PKB1	93.9	51	P*	22:22:46.66	0.76
PKST	113.2	7	Pn	22:22:49.28	0.87
			Sn	23:03.07	-0.06
PKSG	133.6	18	Sn	22:23:08.71	1.03

171.

2024-02-13 time: 4:25:58.72 UTC ML= 1.7  
 lat: 48.415N lon: 17.272E h= 8.6 km  
 erh= 1.4km erz= 1.4km  
 nr= 11 gap=128 rms=0.29  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	4.6	175	PgD	4:26:00.47	0.01
			Sg	26:01.90	0.08
SMOL	16.0	46	PgU	4:26:01.86	-0.11
			Sg	26:04.34	-0.16
ZST	27.3	207	Pg	4:26:03.90	0.06
			Sg	26:07.30	-0.53
JAVC	57.5	31	Sg	4:26:17.15	-0.06
KRUC	96.6	318	Pg	4:26:16.50	0.45
			Sg	26:29.16	-0.40
RONA	107.7	222	Pg	4:26:18.36	0.34
CONA	118.0	243	Sn	4:26:34.95	-0.52

172.

2024-02-13 time: 7:57:40.68 UTC ML= 1.4  
 lat: 48.070N lon: 20.695E h= 0.0 km  
 erh= 2.4km erz= 527km  
 nr= 6 gap=196 rms=0.32  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.6	58	Pg	7:57:49.26	0.07
			Sg	57:55.76	-0.06
KECS	48.5	341	Pg	7:57:49.30	-0.04
			Sg	57:55.84	-0.25
PSZ	62.1	254	Pg	7:57:52.16	0.38
			Sg	57:59.40	-1.03

173.

2024-02-13 time: 8:39:43.59 UTC ML= 0.5  
 lat: 47.197N lon: 18.281E h= 0.0 km  
 erh= 2.4km erz= 638km  
 nr= 7 gap=145 rms=0.42  
 Locality: Csőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.5	355	Pg	8:39:47.00	0.11
			Sg	39:48.80	-0.67
PKST	19.9	290	Pg	8:39:47.51	0.37
			Sg	39:49.54	-0.37
PKSG	23.2	21	Pg	8:39:47.98	0.25
MORH	112.6	166	Sg	8:40:18.36	-1.01
PKSM	113.0	166	Sg	8:40:19.69	0.20

174.

2024-02-13 time: 9:28:06.82 UTC ML= 1.5  
 lat: 46.140N lon: 18.027E h= 0.0 km  
 erh= 1.9km erz= 328km  
 nr= 9 gap=251 rms=0.25  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	8.0	136	PgU	9:28:08.25	0.00
			Sg	28:09.68	0.31
PKSV	32.9	148	Sg	9:28:16.85	-0.44
PKSM	48.1	80	Pg	9:28:15.49	0.08
			Sg	28:21.96	-0.15
MORH	48.4	80	Pg	9:28:15.56	0.10
			Sg	28:21.96	-0.24
PKB4	59.5	48	Pg	9:28:17.83	0.38
PKB1	92.7	39	Pg	9:28:23.05	-0.31

## Földrengés paraméterek

## Hypocenter Parameters

175.

2024-02-13 time: 10:17:21.73 UTC ML= 1.2  
 lat: 47.568N lon: 18.477E h= 0.0 km  
 erh= 5.3km erz= 3.8km  
 nr= 9 gap=206 rms=0.80  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	20.6	198	Pg	10:17:26.11	0.70
			Sg	17:28.21	-0.08
CSKK	28.0	216	Pg	10:17:27.23	0.50
			Sg	17:30.40	-0.24
BUD	42.2	103	Sg	10:17:36.30	1.15
PKST	47.9	224	Sg	10:17:36.57	-0.39
PSZ	113.2	70	Sg	10:17:56.51	-1.20
MORH	150.8	175	Sn	10:18:06.76	-0.97
PKSM	151.3	175	Sn	10:18:06.21	-1.61

176.

2024-02-13 time: 10:48:06.25 UTC ML= 0.4  
 lat: 47.219N lon: 18.257E h= 0.0 km  
 erh= 1.5km erz= 480km  
 nr= 7 gap=138 rms=0.31  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.0	1	Sg	10:48:11.36	0.02
PKST	17.5	285	Pg	10:48:09.76	0.39
			Sg	48:11.66	-0.14
PKSG	21.7	28	Pg	10:48:10.31	0.19
			Sg	48:12.68	-0.47
MPLH	54.7	264	Sg	10:48:23.08	-0.55
PKSM	115.8	165	Sg	10:48:42.95	-0.09

177.

2024-02-13 time: 10:49:16.26 UTC ML= 1.4  
 lat: 47.839N lon: 16.000E h= 0.0 km  
 erh= 5.6km erz= 7.0km  
 nr= 5 gap=197 rms=0.71  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.4	314	Pg	10:49:19.35	0.52
			Sg	49:20.42	-0.41
ARSA	74.6	209	Sg	10:49:39.50	-0.46
KRUC	139.1	12	Pn	10:49:41.15	0.51
			Sn	49:57.86	-1.80

178.

2024-02-14 time: 3:12:23.82 UTC ML= 1.2  
 lat: 47.930N lon: 19.145E h= 0.6 km  
 erh= 2.1km erz= 2.8km  
 nr= 8 gap=223 rms=0.29  
 Locality: Rétság  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	18.6	147	PgU	3:12:27.41	0.27
			Sg	12:29.68	-0.05
PSZ	56.0	91	Pg	3:12:33.95	0.13
			Sg	12:40.69	-0.94
PKSG	82.4	223	Pg	3:12:38.56	0.02
			Sg	12:49.62	-0.40
PKST	112.0	228	Pg	3:12:43.57	-0.26
PKB1	130.1	192	Pn	3:12:47.31	0.30

179.

2024-02-14 time: 10:05:31.88 UTC ML= 1.0  
 lat: 47.930N lon: 16.066E h= 0.0 km  
 erh= 3.3km erz= \*\*\*km  
 nr= 7 gap=123 rms=0.70  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.3	269	Pg	10:05:34.77	0.16
			Sg	05:37.08	0.34
RONA	30.8	146	Pg	10:05:37.51	0.13
			Sg	05:41.29	-0.39
MODS	102.7	61	Sg	10:06:06.31	1.78
KRUC	128.2	11	Pg	10:05:54.36	-0.41
			Sg	06:11.02	-1.61

180.

2024-02-14 time: 10:08:53.18 UTC ML= 1.4  
 lat: 48.630N lon: 21.315E h= 0.0 km  
 erh= 8.2km erz=12.8km  
 nr= 7 gap=192 rms=1.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	37.6	189	Pg	10:09:02.92	3.03
			Sg	09:04.12	-1.00
KECS	63.4	255	Pg	10:09:04.01	-0.48
			Sg	09:13.56	0.24
STHS	87.6	357	Pg	10:09:08.71	-0.12
			Sg	09:20.40	-0.64
PSZ	131.8	233	Pn	10:09:15.60	-1.05

181.

2024-02-14 time: 10:13:12.33 UTC ML= 1.7  
 lat: 48.308N lon: 19.881E h= 0.0 km  
 erh= 2.7km erz= 5.6km  
 nr= 13 gap=124 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	43.3	179	PgU	10:13:19.49	-0.58
			Sg	13:26.38	0.28
KECS	48.9	66	Pg	10:13:21.37	0.31
			Sg	13:28.39	0.53
PENC	72.8	218	Pg	10:13:26.43	1.10
			Sg	13:34.89	-0.59
LANS	98.5	342	Pg	10:13:30.03	0.11
			Sg	13:42.79	-0.85
ABAH	100.8	91	Pg	10:13:31.52	1.18
			Sg	13:42.56	-1.82
NIE	127.6	14	Pg	10:13:35.14	0.03
			Sg	13:50.46	-2.42
PKSN	156.8	180	Sn	10:13:58.91	-0.75

182.

2024-02-14 time: 10:25:00.99 UTC ML= 0.8  
 lat: 47.195N lon: 18.296E h= 0.0 km  
 erh= 1.2km erz= 421km  
 nr= 9 gap=148 rms=0.32  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.9	352	Pg	10:25:04.65	0.29
PKST	21.1	290	Sg	25:06.86	-0.13
			Pg	10:25:05.04	0.29
			Sg	25:07.48	-0.21

## Hypocenter Parameters

PKSG 23.0 18 Pg 10:25:05.27 0.17  
 Sg 25:07.76 -0.54  
 MPLH 57.4 267 Sg 10:25:18.83 -0.42  
 MORH 112.1 166 Sg 10:25:36.81 0.20  
 PKSM 112.4 166 Sg 10:25:36.19 -0.54

183.

2024-02-14 time: 10:42:38.65 UTC ML= 1.0  
 lat: 48.552N lon: 17.400E h= 0.0 km  
 erh= 2.2km erz= 410km  
 nr= 6 gap=186 rms=0.25  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.7	153	PgU	10:42:39.16	-0.34
			Sg	42:40.46	0.31
MODS	21.8	205	Pg	10:42:42.69	0.15
			Sg	42:45.66	0.09
JAVC	39.6	30	Pg	10:42:45.88	0.16
			Sg	42:50.83	-0.41

184.

2024-02-14 time: 11:00:25.31 UTC ML= 1.6  
 lat: 48.142N lon: 16.878E h= 0.0 km  
 erh= 1.9km erz= 3.6km  
 nr= 14 gap=151 rms=0.53  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.8	70	Pg	11:00:28.63	0.15
			Sg	00:30.43	-0.53
MODS	39.3	49	Pg	11:00:31.99	-0.34
			Sg	00:37.31	-0.49
SMOL	58.1	45	Sg	11:00:43.09	-0.69
RONA	65.6	221	Pg	11:00:37.31	0.28
			Sg	00:45.78	-0.40
CONA	79.4	253	Pg	11:00:39.27	-0.23
			Sg	00:50.53	-0.03
JAVC	99.0	36	Pg	11:00:43.95	0.97
KRUC	108.3	341	Pg	11:00:45.50	0.85
			Sg	00:59.59	-0.15
VRAC	131.4	351	Pn	11:00:48.62	-0.11
			Sn	01:05.38	-1.61

185.

2024-02-14 time: 11:06:13.25 UTC ML= 1.7  
 lat: 46.830N lon: 22.867E h= 0.0 km  
 erh= 5.8km erz= 4.7km  
 nr= 8 gap=213 rms=0.85  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	12.6	250	Pg	11:06:14.92	-0.58
			Sg	06:17.26	0.01
CJR	57.4	103	Sg	11:06:31.48	0.00
DEV	105.2	178	Sg	11:06:47.13	0.43
SURR	132.5	206	Sn	11:06:52.22	-2.97
GZR	159.8	182	Pn	11:06:41.21	1.00
			Sn	07:01.09	-0.15
BZS	165.8	216	Sn	11:07:03.41	0.85

## Földrengés paraméterek

186.

2024-02-14 time: 11:19:42.89 UTC ML= 1.7  
 lat: 47.315N lon: 18.462E h= 0.0 km  
 erh= 2.7km erz= 904km  
 nr= 9 gap=115 rms=0.67  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.0	328	PgU	11:19:45.09	0.40
			Sg	19:45.34	-0.75
CSKK	16.1	289	PgU	11:19:46.36	0.59
			Sg	19:47.32	-0.69
PKST	32.9	259	Pg	11:19:49.55	0.78
			Sg	19:52.01	-1.35
MORH	123.0	173	Sg	11:20:21.66	-0.34
PKSM	123.4	174	Sg	11:20:21.98	-0.15
PSZ	126.9	58	Sg	11:20:22.60	-0.63

187.

2024-02-14 time: 12:21:28.17 UTC ML= 1.6  
 lat: 47.905N lon: 20.179E h= 0.0 km  
 erh= 9.8km erz= 590km  
 nr= 5 gap=198 rms=0.28  
 Locality: Sirok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.3	274	Pg	12:21:32.34	0.35
			Sg	21:34.31	-0.65
PENC	68.4	259	Pg	12:21:40.26	-0.13
ABAH	90.1	61	Pg	12:21:44.30	0.03
			Sg	21:56.83	0.00

188.

2024-02-15 time: 1:51:59.21 UTC ML= 1.2  
 lat: 45.929N lon: 16.020E h= 4.2 km  
 erh= 0.8km erz= 1.0km  
 nr= 9 gap=106 rms=0.18  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.7	236	Pg	1:52:00.45	-0.03
			Sg	52:01.43	-0.03
ZAG	11.3	190	PgD	1:52:01.27	-0.09
			Sg	52:03.03	0.00
CRES	45.1	255	Pg	1:52:07.57	0.26
			Sg	52:13.27	-0.35
GROS	71.4	326	Sg	1:52:22.27	0.32
BEHE	83.8	44	Sg	1:52:25.75	-0.14
KOVH	162.1	84	Sn	1:52:46.65	-0.12

189.

2024-02-15 time: 6:58:40.59 UTC ML= 1.8  
 lat: 45.742N lon: 21.687E h= 6.2 km  
 erh= 2.6km erz= 3.1km  
 nr= 7 gap=167 rms=0.25  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	15.0	201	Pg	6:58:43.49	0.00
			Sg	58:45.59	-0.17
TIM	36.3	269	Pg	6:58:47.66	0.49
BANR	58.8	227	Pg	6:58:51.08	-0.06
			Sg	58:59.37	0.00
AMBH	100.5	312	Pg	6:58:58.24	-0.33
DRGR	140.9	34	Sn	6:59:23.08	0.12



## Földrengés paraméterek

## Hypocenter Parameters

190.

2024-02-15 time: 8:05:58.04 UTC ML= 1.7  
 lat: 48.473N lon: 21.728E h= 0.0 km  
 erh= 3.4km erz= 3.5km  
 nr= 10 gap=203 rms=0.82  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	41.2	241	Pg	8:06:06.65	1.25
			Sg	06:11.15	0.01
KOLS	65.0	38	Pg	8:06:09.52	-0.12
			Sg	06:18.75	0.06
KECS	91.9	271	Pg	8:06:15.16	0.72
			Sg	06:26.25	-0.99
STHS	110.7	341	Sg	8:06:32.98	-0.26
KWP	147.3	29	Sn	8:06:42.41	-0.85
PSZ	149.6	246	Pn	8:06:23.01	-0.72
			Sn	06:40.83	-2.94

191.

2024-02-15 time: 10:57:58.78 UTC ML= 1.9  
 lat: 45.636N lon: 21.228E h= 10.5 km  
 erh= 1.9km erz= 1.5km  
 nr= 8 gap=115 rms=0.34  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	11.2	357	Pg	10:58:01.13	-0.38
BANR	29.1	194	Pg	10:58:04.23	-0.07
			Sg	58:08.53	-0.08
BZS	30.4	94	Pg	10:58:04.77	0.26
			Sg	58:09.15	0.17
GZR	124.0	103	Sn	10:58:35.74	-0.69
PKS6	167.4	310	Pn	10:58:25.95	0.61
DRGR	172.0	42	Sn	10:58:47.21	0.11

192.

2024-02-15 time: 11:50:35.35 UTC ML= 1.6  
 lat: 48.823N lon: 21.157E h= 0.0 km  
 erh= 2.5km erz= 3.6km  
 nr= 10 gap=133 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	58.9	174	Pg	11:50:45.41	-0.46
			Sg	50:53.71	-0.37
KECS	62.2	233	Pg	11:50:46.98	0.52
			Sg	50:54.85	-0.28
STHS	66.3	5	Pg	11:50:47.57	0.38
			Sg	50:55.66	-0.77
TRPA	128.0	127	Pg	11:50:58.71	0.51
			Sg	51:12.10	-3.93*
PSZ	137.4	223	Pn	11:50:59.89	0.38
			Sn	51:17.42	-0.94

193.

2024-02-15 time: 13:30:03.06 UTC ML= 1.9  
 lat: 47.319N lon: 16.342E h= 0.0 km  
 erh= 2.2km erz= 4.7km  
 nr= 21 gap= 84 rms=1.03  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	42.5	355	Pg	13:30:10.90	0.24
			Sg	30:16.08	-0.50
SOP	43.7	22	Pg	13:30:10.92	0.05

			Sg	30:16.22	-0.74
ARSA	62.4	263	Pg	13:30:15.15	0.94
			Sg	30:21.46	-1.44
EGYH	75.6	82	Pg	13:30:17.40	0.84
			Sg	30:26.18	-0.91
CONA	76.8	332	Pg	13:30:17.79	1.01
			Sg	30:26.01	-1.47
MPLH	92.2	100	Pg	13:30:19.97	0.45
			Sg	30:30.81	-1.55
KOGS	97.0	184	Pg	13:30:21.52	1.13
			Sg	30:32.95	-0.95
GROS	114.8	214	Pg	13:30:24.11	0.54
			Sg	30:37.19	-2.37
SOKA	122.4	234	Pg	13:30:25.77	0.85
			Sg	30:40.58	-1.39
MODS	136.6	31	Pn	13:30:27.67	0.54
			Sn	30:43.23	-2.68
PTJ	160.4	191	Sn	13:30:49.11	-2.07

194.

2024-02-16 time: 8:11:06.41 UTC ML= 1.7  
 lat: 48.671N lon: 19.069E h= 0.0 km  
 erh= 2.9km erz= 4.2km  
 nr= 14 gap= 82 rms=0.93  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZBNS	60.3	329	Pg	8:11:17.61	0.44
			Sg	11:24.45	-1.11
LANS	60.9	29	Pg	8:11:17.73	0.45
			Sg	11:25.61	-0.14
PSZ	103.7	144	Pg	8:11:25.49	0.57
			Sg	11:37.93	-1.43
JAVC	104.9	282	Sg	8:11:39.09	-0.66
KECS	106.6	101	Pg	8:11:26.67	1.23
			Sg	11:38.56	-1.73
NIE	123.3	48	Pg	8:11:29.33	0.91
			Sg	11:44.20	-1.40
PKSG	150.9	200	Sn	8:11:51.24	-1.18
ABAH	165.8	105	Pn	8:11:34.64	0.53
			Sn	11:54.68	-1.04

195.

2024-02-16 time: 9:25:45.05 UTC ML= 1.5  
 lat: 48.565N lon: 20.795E h= 0.0 km  
 erh= 2.5km erz= 6.2km  
 nr= 9 gap=131 rms=0.76  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	248	Pg	9:25:49.15	-0.29
			Sg	25:53.14	0.27
ABAH	44.5	132	Pg	9:25:53.64	0.65
			Sg	25:58.85	-0.33
PSZ	98.2	223	Pg	9:26:03.19	0.60
			Sg	26:15.53	-0.74
STHS	100.2	19	Pg	9:26:03.55	0.61
			Sg	26:15.68	-1.22
TRPA	138.0	111	Sn	9:26:25.92	-2.28

196.

2024-02-16 time: 9:51:59.01 UTC ML= 2.1  
 lat: 46.862N lon: 17.309E h= 0.0 km  
 erh= 1.6km erz= 3.1km  
 nr= 22 gap= 94 rms=0.72  
 Locality: Várköly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	38.5	27	Pg	9:52:06.36	0.48

## Hypocenter Parameters

ID	Lat	Lon	Depth (km)	Phase	Time (UTC)	ML	h (km)	erh (km)	erz (km)	rms
TIH	44.7	85		Sg	52:11.37	0.14				
EGYH	61.7	2		Sg	9:52:13.63	0.42				
PKST	70.6	51		Sg	9:52:21.39	-0.05				
PKS9	80.2	112		Sg	9:52:25.03	0.54				
CSKK	91.2	52		Pg	9:52:15.75	0.46				
				Sg	52:27.96	-0.03				
KOGS	93.2	240		Pg	9:52:16.69	1.04				
PKSG	101.0	54		Pg	9:52:17.47	0.43				
				Sg	52:30.31	-0.80				
KOVH	105.3	145		Pg	9:52:18.41	0.60				
				Sg	52:31.85	-0.62				
PKB4	107.1	112		Sg	9:52:32.34	-0.70				
MORH	125.1	125		Sg	9:52:36.90	-1.87				
PKSM	125.2	125		Pg	9:52:22.01	0.65				
				Sg	52:37.32	-1.47				
PKSV	130.3	146		Sg	9:52:38.40	-2.02				
ARSA	142.4	288		Pn	9:52:23.44	-0.36				
GROS	145.4	252		Pn	9:52:23.91	-0.26				
				Sn	52:43.16	-0.63				
CONA	161.2	317		Sn	9:52:46.34	-0.98				

197.

2024-02-16 time: 12:19:54.35 UTC ML= 1.2  
 lat: 48.642N lon: 20.850E h= 0.0 km  
 erh= 0.6km erz= 0.5km  
 nr= 5 gap=238 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	32.2	237	Pg	12:20:00.56			0.47
			Sg	20:03.46			-1.11
ABAH	48.1	143	Pg	12:20:03.77			0.84
			Sg	20:09.33			-0.30
TRPA	137.4	114	Sn	12:20:35.46			-1.92

198.

2024-02-16 time: 20:40:57.88 UTC ML= 0.5  
 lat: 46.206N lon: 18.426E h= 7.1 km  
 erh= 1.3km erz= 4.0km  
 nr= 9 gap=155 rms=0.18  
 Locality: Zengővárkony  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSM	16.7	88	Pg	20:41:01.12			0.01
			Sg	41:03.66			0.02
MORH	16.9	86	Pg	20:41:01.19			0.04
			Sg	41:03.65			-0.06
KOVH	28.3	243	Pg	20:41:02.99			-0.11
			Sg	41:07.34			0.17
PKB4	35.1	23	Pg	20:41:03.99			-0.29
			Sg	41:09.18			-0.08
PKB1	70.2	24	Pg	20:41:10.85			0.37

199.

2024-02-16 time: 23:00:53.01 UTC ML= 0.8  
 lat: 48.126N lon: 20.395E h= 10.0 km  
 erh= 2.7km erz=16.7km  
 nr= 5 gap=165 rms=0.22  
 Locality: Nagyvisnyó  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KECS	40.3	10	Pg	23:01:00.19			-0.23
			Sg	01:06.45			0.25
PSZ	43.9	238	Pg	23:01:01.27			0.22
			Sg	01:07.06			-0.26
ABAH	65.6	73	Sg	23:01:14.10			0.02

## Földrengés paraméterek

200.

2024-02-17 time: 9:42:46.71 UTC ML= 1.3  
 lat: 46.146N lon: 18.311E h= 0.0 km  
 erh= 1.2km erz= 403km  
 nr= 11 gap=115 rms=0.32  
 Locality: Vasas  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.5	249	Pg	9:42:49.40			-0.43
			Sg	42:52.28			0.01
PKSM	26.6	74	Pg	9:42:51.14			-0.31
			Sg	42:55.04			-0.11
MORH	26.9	73	Pg	9:42:51.47			-0.04
			Sg	42:55.12			-0.14
PKSV	28.9	189	Pg	9:42:52.00			0.13
			Sg	42:56.64			0.74
PKB4	45.1	30	Sg	9:43:01.30			0.27
PKS9	49.1	357	Sg	9:43:02.06			-0.26
PKB1	80.1	28	Pg	9:43:01.51			0.51

201.

2024-02-18 time: 19:02:15.54 UTC ML= 1.9  
 lat: 46.185N lon: 16.367E h= 11.1 km  
 erh= 1.4km erz= 1.1km  
 nr= 34 gap= 64 rms=0.58  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	30.6	343	Pg	19:02:21.22			-0.12
			Sg	02:26.37			0.50
BEHE	44.6	45	Sg	19:02:29.40			-0.76
PTJ	44.8	225	Pg	19:02:23.49			-0.29
			Sg	02:29.65			-0.56
ZAG	49.0	216	Sg	19:02:32.03			0.52
GOLS	60.6	251	iPg	19:02:27.28			0.74
			eSg	02:36.26			1.14
GCIS	67.3	238	iPg	19:02:27.61			-0.11
DOBS	69.4	267	iPg	19:02:28.09			-0.01
GROS	73.3	295	Pg	19:02:28.37			-0.41
			Sg	02:37.79			-1.32
CRES	81.0	240	Pg	19:02:30.22			0.08
			Sg	02:40.66			-0.87
LEGS	85.3	252	iPg	19:02:31.02			0.12
			eSg	02:43.35			0.46
PDKS	106.7	263	iPn	19:02:34.83			0.36
ZAVS	107.0	285	iPn	19:02:34.48			-0.03
			eSn	02:50.03			0.73
PERS	108.4	298	Pn	19:02:34.37			-0.31
			Sn	02:48.79			-0.81
BOJS	115.0	229	iPn	19:02:36.26			0.76
SOKA	116.3	298	Pn	19:02:35.61			-0.05
			Sn	02:50.51			-0.84
KOVH	134.4	95	Pn	19:02:37.33			-0.58
			Sn	02:54.03			-1.33
ARSA	134.8	331	Pn	19:02:38.10			0.13
			Sn	02:54.83			-0.64
MPLH	141.6	39	Sn	19:02:57.32			0.36
OBKA	144.5	284	Pn	19:02:40.01			0.83
			Sn	02:58.40			0.78
EGYH	155.5	28	Pn	19:02:42.23			1.68
BLY	172.0	158	Sn	19:03:03.69			-0.02
PKSM	175.6	89	Sn	19:03:06.78			2.26*

202.

2024-02-19 time: 1:59:24.97 UTC ML= 1.7  
 lat: 46.308N lon: 16.710E h= 20.9 km  
 erh= 2.2km erz= 1.7km  
 nr= 10 gap=138 rms=0.20  
 Locality: Croatia  
 Comments:

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
BEHE	18.7	16	Pg	1:59:29.72	-0.24
			Sg	59:34.38	0.54
KOGS	38.6	294	Pg	1:59:32.54	-0.19
			Sg	59:38.67	-0.12
GROS	94.5	280	Pn	1:59:41.33	0.18
			Sn	59:53.68	-0.08
KOVH	110.0	103	Pn	1:59:43.09	0.00
			Sn	59:57.17	-0.05
CRES	110.8	241	Pn	1:59:43.44	0.26
			Sn	59:57.32	-0.06

203.

2024-02-19 time: 8:40:20.03 UTC ML= 1.9  
 lat: 47.824N lon: 19.929E h= 0.0 km  
 erh= 4.0km erz= 4.7km  
 nr= 9 gap=185 rms=0.75  
 Locality: Gyöngyössolymos  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	10.8	346	PgU	8:40:22.53	0.57
			Sg	40:23.49	0.02
PENC	48.6	266	Sg	8:40:35.07	-0.42
KECS	84.2	29	Sg	8:40:46.02	-0.77
ABAH	110.9	62	Pg	8:40:40.78	0.95
			Sg	40:53.29	-1.99
PKSG	125.3	247	Sg	8:40:59.70	-0.14
CSKK	135.6	248	Sn	8:41:02.28	-0.35
PKST	155.9	246	Sn	8:41:06.97	-0.17

204.

2024-02-19 time: 8:45:29.26 UTC ML= 1.4  
 lat: 46.127N lon: 18.036E h= 0.0 km  
 erh= 2.1km erz= 383km  
 nr= 11 gap=251 rms=0.31  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.6	131	PgU	8:45:30.51	0.08
			Sg	45:31.65	0.30
PKSV	31.4	148	Pg	8:45:34.63	-0.23
			Sg	45:39.07	-0.17
PKSM	47.7	79	Pg	8:45:37.99	0.22
			Sg	45:44.20	-0.21
MORH	48.0	78	Pg	8:45:37.68	-0.14
			Sg	45:43.94	-0.57
PKB4	59.9	47	Pg	8:45:40.34	0.38
PKB5	74.8	46	Pg	8:45:43.06	0.44
PKB1	93.3	39	Pg	8:45:45.47	-0.45

205.

2024-02-19 time: 10:06:10.06 UTC ML= 1.4  
 lat: 47.618N lon: 18.698E h= 0.0 km  
 erh= 2.5km erz= 2.1km  
 nr= 11 gap=250 rms=0.26  
 Locality: Máriahalom  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	28.8	121	Pg	10:06:15.24	0.04
			Sg	06:18.97	-0.24
PKSG	34.2	223	Pg	10:06:16.49	0.33
			Sg	06:21.14	0.22
CSKK	43.5	229	Pg	10:06:17.91	0.09
			Sg	06:24.23	0.35
PKST	64.0	231	Pg	10:06:21.19	-0.30
			Sg	06:29.92	-0.49
PKB1	93.0	176	Pg	10:06:26.59	-0.08
PKB4	124.9	183	Sg	10:06:47.72	-2.05*

PKSM 156.4 182 Sn 10:06:57.37 0.07

206.

2024-02-19 time: 11:00:24.68 UTC ML= 1.8  
 lat: 48.101N lon: 16.903E h= 0.0 km  
 erh= 3.1km erz= 7.9km  
 nr= 14 gap= 88 rms=1.01  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.2	55	Pg	11:00:28.20	0.27
			Sg	00:30.07	-0.39
MODS	41.1	43	Pg	11:00:31.64	-0.38
			Sg	00:36.52	-1.22
RONA	63.7	225	Pg	11:00:36.36	0.31
			Sg	00:44.17	-0.75
CONA	80.1	256	Pg	11:00:39.25	0.27
			Sg	00:49.11	-1.02
JAVC	101.6	34	Pg	11:00:44.73	1.91
			Sg	00:57.32	0.35
KRUC	113.2	341	Pg	11:00:44.55	-0.35
			Sg	00:58.78	-1.88
PKST	126.4	138	Sg	11:01:02.75	-2.11
ARSA	140.3	228	Pn	11:00:50.63	1.42

207.

2024-02-19 time: 13:25:07.61 UTC ML= 1.5  
 lat: 47.336N lon: 17.630E h= 0.0 km  
 erh= 1.2km erz= 2.4km  
 nr= 14 gap= 91 rms=0.36  
 Locality: Béb  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	19.6	200	Pg	13:25:10.88	-0.23
			Sg	25:13.19	-0.66
EGYH	24.3	292	Pg	13:25:12.48	0.54
			Sg	25:15.03	-0.29
PKST	31.7	106	Pg	13:25:13.40	0.13
			Sg	25:16.94	-0.75
CSKK	47.7	86	Pg	13:25:16.16	0.03
PKSG	57.8	84	Pg	13:25:17.66	-0.26
SRO	73.9	44	Pg	13:25:21.28	0.48
SOP	89.5	296	Pg	13:25:23.43	-0.16
PKB1	107.5	125	Pg	13:25:27.05	0.25
MODS	118.4	347	Pg	13:25:28.20	-0.55
MORH	146.6	148	Pn	13:25:33.17	0.25
PKSM	146.9	148	Pn	13:25:33.24	0.29

208.

2024-02-19 time: 14:50:01.85 UTC ML= 0.5  
 lat: 45.693N lon: 21.824E h= 15.6 km  
 erh= 7.0km erz= 4.7km  
 nr= 6 gap=158 rms=0.53  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.3	242	Pg	14:50:06.71	0.56
			Sg	50:09.05	-0.44
SURR	24.4	74	Pg	14:50:07.49	0.47
			Sg	50:10.26	-0.80
TIM	47.2	276	Sg	14:50:17.09	-0.57
GZR	81.5	114	S*	14:50:27.70	-0.29

## Hypocenter Parameters

## Földrengés paraméterek

209.

2024-02-20 time: 9:00:33.25 UTC ML= 1.8  
 lat: 47.612N lon: 18.424E h= 0.0 km  
 erh= 3.2km erz= 4.5km  
 nr= 12 gap=111 rms=0.96  
 Locality: Vértesszőlős  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SRO	23.8	340	Pg	9:00:37.55			0.05
			Sg		00:40.75		-0.07
PKSG	24.7	186	Sg	9:00:40.91			-0.18
CSKK	30.3	204	Sg	9:00:41.94			-0.95
BUD	47.4	108	Sg	9:00:48.08			-0.24
PSZ	115.4	73	Pg	9:00:54.22			0.36
			Sg		01:06.97		-2.96
MODS	120.3	315	Sg	9:01:09.55			-1.95
MORH	156.2	174	Pn	9:01:01.24			1.48
			Sn		01:19.87		-0.56
PKSM	156.6	174	Pn	9:01:00.61			0.80
			Sn		01:20.34		-0.19

210.

2024-02-20 time: 9:31:41.24 UTC ML= 1.7  
 lat: 48.507N lon: 17.495E h= 0.0 km  
 erh= 1.7km erz= 2.3km  
 nr= 8 gap=202 rms=0.40  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	5.0	279	PgU	9:31:41.76			-0.37
			Sg		31:42.66		-0.16
MODS	21.9	227	Pg	9:31:45.59			0.43
			Sg		31:48.10		-0.11
JAVC	41.2	18	Pg	9:31:48.45			-0.15
			Sg		31:54.62		0.27
ZST	45.2	220	Pg	9:31:49.76			0.45
CONA	137.4	242	Sn	9:32:23.20			-1.06

211.

2024-02-20 time: 9:45:38.57 UTC ML= 1.8  
 lat: 46.052N lon: 22.759E h= 0.0 km  
 erh= 3.0km erz= 938km  
 nr= 8 gap=152 rms=0.67  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	21.8	149	Pg	9:45:42.65			0.19
			Sg		45:44.53		-0.97
SURR	59.3	236	Sg	9:45:57.73			0.30
GZR	73.2	179	Pg	9:45:52.38			0.74
			Sg		46:00.77		-1.06
DRGR	82.3	357	Pg	9:45:53.77			0.50
			Sg		46:03.63		-1.11
BZS	101.1	241	Sg	9:46:10.46			-0.24

212.

2024-02-20 time: 9:54:25.79 UTC ML= 1.4  
 lat: 45.752N lon: 22.838E h= 0.0 km  
 erh= 1.9km erz= 552km  
 nr= 10 gap=168 rms=0.43  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	15.4	19	Pg	9:54:28.46			-0.09
			Sg		54:30.63		-0.07
GZR	40.2	187	Pg	9:54:33.10			0.13

			Sg		54:37.97		-0.59
SURR	55.5	270	Pg	9:54:35.73			0.02
			Sg		54:43.62		0.18
BZS	96.3	261	Pg	9:54:43.39			0.39
			Sg		54:54.84		-1.58
DRGR	116.0	355	Pg	9:54:46.94			0.44
			Sg		55:01.71		-0.94

213.

2024-02-20 time: 10:01:41.65 UTC ML= 1.3  
 lat: 47.319N lon: 18.438E h= 0.0 km  
 erh= 2.0km erz= 4.0km  
 nr= 10 gap=114 rms=0.54  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.9	336	PgU	10:01:43.39			0.15
			Sg		01:43.73		-0.75
CSKK	14.3	290	Pg	10:01:44.75			0.55
			Sg		01:45.28		-0.92
PKST	31.3	258	Pg	10:01:48.01			0.78
			Sg		01:51.05		-0.53
MORH	123.6	173	Sg	10:02:20.70			-0.23
PKSM	124.0	173	Sg	10:02:20.86			-0.20
PSZ	128.2	59	Sg	10:02:22.27			-0.13
KOVH	139.2	191	Sn	10:02:24.69			-0.37

214.

2024-02-20 time: 10:13:51.94 UTC ML= 1.8  
 lat: 48.687N lon: 22.433E h= 0.0 km  
 erh= 2.7km erz= 3.1km  
 nr= 9 gap=168 rms=1.03  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOLS	29.7	337	Pg	10:13:57.40			0.15
			Sg		14:02.20		0.81
TRPA	62.4	173	Pg	10:14:04.59			1.50
			Sg		14:11.55		-0.23
ABAH	98.3	244	Pg	10:14:09.93			0.43
			Sg		14:22.53		-0.67
STHS	118.9	313	Sg	10:14:29.04			-0.69
BMR	137.8	145	Sn	10:14:33.37			-1.67
KECS	145.4	261	Sn	10:14:34.60			-2.14

215.

2024-02-20 time: 11:06:40.60 UTC ML= 1.5  
 lat: 48.671N lon: 20.811E h= 0.0 km  
 erh= 2.6km erz= 236km  
 nr= 5 gap=274 rms=0.11  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	31.8	229	Pg	11:06:46.28			0.00
			Sg		06:50.55		-0.16
ABAH	52.3	143	Pg	11:06:49.85			-0.09
			Sg		06:57.28		0.05
PSZ	107.8	219	Pg	11:07:00.01			0.16

216.

2024-02-20 time: 12:41:06.55 UTC ML= 1.4  
 lat: 47.321N lon: 18.483E h= 0.0 km  
 erh= 2.4km erz= 716km  
 nr= 8 gap=116 rms=0.51  
 Locality: Lovasberény  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKSG	10.5	318	PgU	12:41:08.85	0.42
			Sg	41:09.25	-0.65
CSKK	17.5	286	PgU	12:41:10.14	0.46
			Sg	41:10.97	-1.14
PKST	34.7	259	Pg	12:41:13.07	0.33
MORH	123.5	174	Sg	12:41:45.51	-0.29
PKSM	123.9	174	Sg	12:41:45.67	-0.27
PSZ	125.1	58	Sg	12:41:45.82	-0.51

217.

2024-02-20 time: 19:43:53.61 UTC ML= 1.4  
 lat: 45.539N lon: 21.319E h= 24.2 km  
 erh= 0.1km erz= 0.2km  
 nr= 5 gap=150 rms=0.01  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	22.5	220	Pg	19:43:59.35	0.00
			Sg	44:03.84	0.00
TIM	23.3	341	Pg	19:43:59.44	0.00
BZS	24.8	69	Pg	19:43:59.63	0.01
			Sg	44:04.30	-0.01

218.

2024-02-21 time: 4:26:15.03 UTC ML= 0.6  
 lat: 45.854N lon: 21.740E h= 0.4 km  
 erh= 3.3km erz= 381km  
 nr= 6 gap=165 rms=0.49  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	28.1	200	Pg	4:26:20.13	0.09
			Sg	26:23.22	-0.73
SURR	31.9	110	Pg	4:26:21.12	0.40
			Sg	26:24.38	-0.78
TIM	42.4	252	Sg	4:26:29.18	0.67
AMBH	95.9	305	Sg	4:26:45.28	-0.23

219.

2024-02-21 time: 8:08:04.12 UTC ML= 1.3  
 lat: 48.123N lon: 20.725E h= 0.0 km  
 erh= 4.5km erz= \*\*\*km  
 nr= 6 gap=187 rms=0.61  
 Locality: Miskolc  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	42.8	63	Pg	8:08:11.94	0.17
			Sg	08:17.23	-0.50
KECS	43.9	336	Pg	8:08:12.17	0.21
			Sg	08:17.40	-0.67
PSZ	66.0	250	Pg	8:08:16.63	0.72
			Sg	08:23.71	-1.39

220.

2024-02-21 time: 8:58:12.94 UTC ML= 1.3  
 lat: 47.873N lon: 16.066E h= 0.0 km  
 erh= 3.6km erz= 5.6km  
 nr= 7 gap=154 rms=0.71  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.5	292	Pg	8:58:16.02	0.14
			Sg	58:17.49	-0.68
RONA	25.9	138	Pg	8:58:17.95	0.39
			Sg	58:20.19	-0.97

MODS	106.0	58	Sg	8:58:47.67	1.06
KRUC	134.4	10	Pn	8:58:37.06	0.33
			Sn	58:53.58	-1.70

221.

2024-02-21 time: 9:03:53.18 UTC ML= 1.6  
 lat: 45.580N lon: 17.825E h= 6.2 km  
 erh= 3.8km erz= 2.2km  
 nr= 10 gap=277 rms=0.33  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	47.8	44	Pg	9:04:02.34	0.55
			Sg	04:08.51	0.01
KOVH	60.4	21	Pg	9:04:04.36	0.33
			Sg	04:12.67	0.18
PKSM	94.6	42	Pg	9:04:09.90	-0.21
			Sg	04:22.72	-0.60
MORH	95.1	42	Pg	9:04:09.90	-0.30
			Sg	04:23.37	-0.10
PKB4	118.4	31	Sn	9:04:30.75	0.19
BEHE	128.1	321	Pn	9:04:15.17	-0.22
KOGS	155.6	308	Sn	9:04:34.58	-4.23*

222.

2024-02-21 time: 9:33:03.93 UTC ML= 2.0  
 lat: 48.433N lon: 17.228E h= 0.0 km  
 erh= 1.4km erz= 2.8km  
 nr= 17 gap= 92 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.6	151	PgU	9:33:05.41	0.13
			Sg	33:06.26	-0.08
SMOL	17.4	59	Pg	9:33:06.92	-0.11
			Sg	33:09.03	-0.42
ZST	27.9	199	Pg	9:33:09.14	0.22
			Sg	33:12.20	-0.61
JAVC	57.5	35	Pg	9:33:14.40	0.20
			Sg	33:21.46	-0.76
KRUC	92.9	319	Pg	9:33:21.43	0.91
			Sg	33:33.04	-0.42
RONA	107.1	220	Pg	9:33:23.61	0.56
			Sg	33:36.20	-1.77
VRAC	107.9	334	Pg	9:33:23.55	0.36
CONA	116.1	241	Pg	9:33:24.86	0.21
			Sg	33:39.42	-1.40
MORC	151.2	9	Sn	9:33:49.02	-0.98
ARSA	183.2	224	Sn	9:33:56.83	-0.29

223.

2024-02-21 time: 9:35:50.21 UTC ML= 1.5  
 lat: 48.576N lon: 20.794E h= 0.0 km  
 erh= 2.7km erz= 6.8km  
 nr= 13 gap= 89 rms=0.96  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.0	245	Pg	9:35:54.52	-0.15
			Sg	35:58.15	0.00
ABAH	45.4	133	Pg	9:35:58.88	0.57
			Sg	36:04.86	0.22
STHS	99.1	19	Pg	9:36:07.87	-0.03
			Sg	36:20.60	-1.10
PSZ	99.1	222	Pg	9:36:08.65	0.75
			Sg	36:21.00	-0.70
NIE	100.1	339	Pg	9:36:10.27	2.20
KOLS	115.8	70	Sg	9:36:26.24	-0.77
LANS	116.4	303	Pg	9:36:10.65	-0.33

## Hypocenter Parameters

TRPA 138.6 111 Sg 36:25.00 -2.19  
 Sn 9:36:31.95 -1.53

224.

2024-02-21 time: 10:18:29.78 UTC ML= 1.8  
 lat: 48.839N lon: 21.606E h= 0.0 km  
 erh= 2.5km erz= 3.7km  
 nr= 15 gap= 65 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	50.1	78	Pg	10:18:39.37	0.65
			Sg	18:45.54	-0.15
ABAH	66.1	204	Pg	10:18:42.61	1.02
			Sg	18:50.10	-0.70
STHS	69.5	338	Pg	10:18:42.92	0.73
KECS	91.5	244	Pg	10:18:46.51	0.39
			Sg	18:58.09	-0.78
TRPA	104.7	139	Pg	10:18:48.32	-0.16
			Sg	19:01.13	-1.94
NIE	114.3	304	Pg	10:18:49.91	-0.28
KWP	119.2	42	PgU	10:18:51.64	0.57
			Sg	19:05.77	-1.90
LANS	160.3	282	Sn	10:19:16.34	-1.53
PSZ	162.9	231	Pn	10:18:57.82	0.69
			Sn	19:17.11	-1.35

225.

2024-02-21 time: 11:23:46.76 UTC ML= 1.2  
 lat: 47.575N lon: 18.672E h= 0.0 km  
 erh= 3.2km erz= 2.3km  
 nr= 8 gap=230 rms=1.08  
 Locality: Szomor  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	29.4	226	Pg	11:23:53.35	1.34
			Sg	23:56.35	0.25
CSKK	39.0	233	Pg	11:23:54.54	0.83
			Sg	23:58.76	-0.38
PKST	59.6	234	Sg	11:24:05.42	-0.28
MODS	136.8	310	Sn	11:24:27.73	-1.91
MORH	151.1	181	Sn	11:24:32.28	-0.54
PKSM	151.6	181	Sn	11:24:31.19	-1.73

226.

2024-02-21 time: 11:48:37.58 UTC ML= 0.6  
 lat: 47.236N lon: 18.264E h= 0.0 km  
 erh= 3.1km erz= 411km  
 nr= 6 gap=249 rms=0.25  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.1	359	Pg	11:48:40.45	0.35
			Sg	48:42.28	0.22
PKST	17.6	278	Pg	11:48:40.76	0.04
			Sg	48:42.80	-0.37
PKSG	19.7	29	Pg	11:48:40.92	-0.19
			Sg	48:43.62	-0.24

227.

2024-02-21 time: 11:52:56.46 UTC ML= 1.0  
 lat: 47.193N lon: 18.319E h= 0.0 km  
 erh= 3.2km erz= 342km  
 nr= 5 gap=275 rms=0.16  
 Locality: Székesfehérvár  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CSKK	19.4	347	Pg	11:52:59.97	0.05
			Sg	53:02.21	-0.42
PKST	22.7	289	Pg	11:53:00.47	-0.05
			Sg	53:03.83	0.14
PKSG	22.8	14	Sg	11:53:03.84	0.15

2024-02-21 time: 12:01:30.99 UTC ML= 0.9  
 lat: 47.996N lon: 16.195E h= 0.0 km  
 erh= 8.1km erz= \*\*\*km  
 nr= 5 gap=179 rms=0.83  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	26.0	253	Pg	12:01:36.14	0.50
			Sg	01:38.00	-1.27
RONA	33.8	167	Pg	12:01:37.90	0.88
			Sg	01:41.11	-0.62
ZST	71.1	72	Sg	12:01:52.66	-0.94

228.

2024-02-21 time: 22:41:18.30 UTC ML= 1.6  
 lat: 47.881N lon: 16.375E h= 12.7 km  
 erh= 1.7km erz= 1.6km  
 nr= 17 gap= 91 rms=0.58  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.9	196	PgD	22:41:22.81	0.14
			Sg	41:25.80	-0.29
SOP	25.9	148	Pg	22:41:23.87	0.42
			Sg	41:27.27	-0.19
WINA	33.8	318	Pg	22:41:25.22	0.47
			Sg	41:29.76	-0.02
CONA	38.7	278	Pg	22:41:25.78	0.20
			Sg	41:31.28	0.02
ZST	64.6	57	Pg	22:41:30.16	0.10
MODS	86.7	51	Pg	22:41:34.01	0.06
			Sg	41:44.67	-1.49
ARSA	94.9	222	S*	22:41:46.68	-1.88
ABNA	112.3	321	Pn	22:41:37.53	-0.18
			Sn	41:50.73	-2.11
KRUC	131.4	1	Pn	22:41:40.85	0.76
			Sn	41:56.48	-0.60
VRAC	159.6	6	Sn	22:42:03.78	0.43

229.

2024-02-22 time: 0:37:53.42 UTC ML= 1.2  
 lat: 45.931N lon: 16.042E h= 5.1 km  
 erh= 1.3km erz= 1.5km  
 nr= 5 gap=302 rms=0.06  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	7.3	242	Pg	0:37:55.06	0.04
			Sg	37:56.16	-0.10
ZAG	11.9	198	Pg	0:37:55.68	-0.06
			Sg	37:57.63	0.09
CRES	46.9	256	Sg	0:38:08.43	0.02

230.

2024-02-22 time: 9:32:14.83 UTC ML= 1.7  
 lat: 48.473N lon: 19.491E h= 0.0 km  
 erh= 4.7km erz= \*\*\*km  
 nr= 8 gap=198 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PSZ	68.6	154	Pg	9:32:27.98	0.90
			Sg	32:35.63	-1.01
KECS	73.6	89	Pg	9:32:27.98	0.01
			Sg	32:38.26	0.05
PENC	77.5	192	Pg	9:32:28.67	0.00
			Sg	32:38.49	-0.97
NIE	121.2	30	Pg	9:32:37.03	0.56
			Sg	32:51.02	-2.33

231.

2024-02-22 time: 10:54:22.91 UTC ML= 1.6  
 lat: 48.617N lon: 20.806E h= 0.0 km  
 erh= 3.8km erz= \*\*\*km  
 nr= 7 gap=118 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.9	238	Pg	10:54:28.21	0.32
			Sg	54:31.38	-0.40
ABAH	48.0	138	Pg	10:54:32.19	0.71
			Sg	54:37.63	-0.53
STHS	94.5	20	Sg	10:54:51.46	-1.49
PSZ	103.0	221	Sg	10:54:54.54	-1.11
LANS	114.7	301	Pg	10:54:43.96	0.58

232.

2024-02-22 time: 10:59:58.19 UTC ML= 1.9  
 lat: 48.116N lon: 16.921E h= 0.0 km  
 erh= 3.7km erz= 4.2km  
 nr= 15 gap= 87 rms=1.18  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	39.0	43	Pg	11:00:04.75	-0.40
			Sg	00:10.31	-0.27
SOP	55.2	209	Sg	11:00:15.95	0.20
SMOL	58.1	40	Sg	11:00:16.87	0.22
RONA	65.8	225	Pg	11:00:10.20	0.26
			Sg	00:18.01	-1.09
CONA	81.7	255	Pg	11:00:13.28	0.49
			Sg	00:23.46	-0.71
JAVC	99.5	34	Pg	11:00:17.35	1.40
KRUC	112.1	340	Pg	11:00:19.50	1.29
			Sg	00:31.85	-1.97
CSKK	130.8	130	Sn	11:00:37.16	-2.57
VRAC	134.8	350	Sn	11:00:38.10	-2.52
ARSA	142.4	227	Pn	11:00:24.33	1.35
			Sn	00:41.09	-1.23

233.

2024-02-22 time: 11:18:46.46 UTC ML= 1.5  
 lat: 47.586N lon: 16.326E h= 0.0 km  
 erh= 2.4km erz= 4.1km  
 nr= 10 gap=180 rms=0.58  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	12.8	350	PgU	11:18:49.31	0.56
			Sg	18:50.31	-0.23
SOP	20.6	58	Pg	11:18:50.40	0.27
			Sg	18:52.64	-0.36
CONA	51.6	318	Pg	11:18:56.52	0.85
			Sg	19:02.51	-0.34
ARSA	71.1	238	Sg	11:19:08.06	-1.00
MODS	112.8	39	Pg	11:19:06.47	-0.13
KRUC	164.2	2	Pn	11:19:13.47	-0.50
			Sn	19:33.59	-1.83

234.

2024-02-22 time: 13:55:22.03 UTC ML= 2.3  
 lat: 48.563N lon: 22.945E h= 0.0 km  
 erh= 5.9km erz= 5.2km  
 nr= 13 gap=208 rms=1.25  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TRPA	56.7	212	Pg	13:55:32.84	0.67
			Sg	55:40.28	0.21
KOLS	64.3	310	Pg	13:55:34.58	1.06
			Sg	55:39.93	-2.55
BMR	107.2	157	Pg	13:55:41.74	0.57
			Sg	55:55.13	-0.97
ABAH	129.7	257	Pg	13:55:44.12	-1.07
			Sg	55:59.06	-4.19
KECS	181.9	267	Pn	13:55:53.26	1.51
			Sn	56:16.39	1.46
DRGR	197.7	185	Pn	13:55:53.41	-0.31
NIE	214.9	296	Sn	56:17.18	-1.26
			Sn	13:56:22.13	-0.11

235.

2024-02-22 time: 14:22:06.04 UTC ML= 2.0  
 lat: 48.545N lon: 17.585E h= 0.0 km  
 erh= 1.9km erz= 4.8km  
 nr= 9 gap=212 rms=0.35  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	12.1	253	Pg	14:22:07.87	-0.32
			Sg	22:10.48	0.61
MODS	29.7	230	Pg	14:22:11.43	0.09
			Sg	22:16.01	0.53
JAVC	35.5	10	Pg	14:22:12.53	0.16
ZST	52.8	223	Pg	22:17.45	0.14
			Pg	14:22:15.28	-0.18
KRUC	104.6	303	Sg	14:22:38.85	-0.44
CONA	145.2	242	Sn	14:22:49.46	-1.34

236.

2024-02-22 time: 14:38:47.98 UTC ML= 1.8  
 lat: 47.057N lon: 19.484E h= 0.0 km  
 erh= 7.6km erz= \*\*\*km  
 nr= 5 gap=197 rms=0.52  
 Locality: Felsőlajos  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	24.6	268	Pg	14:38:53.01	0.65
			Sg	38:54.75	-1.03
PENC	83.0	349	Pg	14:39:02.82	0.02
PSZ	100.7	18	Pg	14:39:06.01	0.05
PKSM	113.9	214	Sg	14:39:23.57	-0.62

237.

2024-02-22 time: 15:02:29.79 UTC ML= 2.2  
 lat: 48.244N lon: 21.265E h= 0.0 km  
 erh= 3.4km erz= 5.6km  
 nr= 9 gap=116 rms=1.13  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.1	342	PgU	15:02:31.19	0.31
			Sg	02:31.71	-0.01
KECS	63.6	295	Pg	15:02:41.39	0.25
			Sg	02:49.32	-0.68

## Hypocenter Parameters

TRPA 95.6 98 Sg 15:02:57.98 -2.19  
 PSZ 108.3 250 Pg 15:02:48.42 -0.72  
 Sg 03:03.75 -0.48  
 LANS 166.3 307 Sn 15:03:21.20 1.98  
 DRGR 194.8 146 Pn 15:03:03.94 2.83

238.

2024-02-24 time: 9:53:32.51 UTC ML= 1.0  
 lat: 46.193N lon: 18.275E h= 0.0 km  
 erh= 0.5km erz=92.3km  
 nr= 8 gap=216 rms=0.07  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.9	229	PgU	9:53:35.73			0.02
			Sg	53:37.78			-0.42
PKSM	28.3	86	Pg	9:53:37.57			0.00
			Sg	53:41.40			-0.11
MORH	28.6	85	Pg	9:53:37.66			0.04
			Sg	53:41.63			0.04
PKSV	33.9	183	Pg	9:53:38.56			-0.01
			Sg	53:43.34			0.04

239.

2024-02-25 time: 2:21:55.01 UTC ML=-0.2  
 lat: 47.285N lon: 18.254E h= 6.6 km  
 erh= 2.5km erz= 3.1km  
 nr= 6 gap=219 rms=0.05  
 Locality: Fehérvárcsurgó  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	8.7	3	PgD	2:21:56.86			-0.09
			Sg	21:58.51			0.04
PKSG	15.7	41	Pg	2:21:58.09			0.04
			Sg	22:00.46			0.03
PKST	16.9	260	PgD	2:21:58.27			0.03
			Sg	22:00.75			-0.02

240.

2024-02-25 time: 6:13:45.96 UTC ML= 2.8  
 lat: 47.008N lon: 22.712E h= 10.3 km  
 erh= 2.1km erz= 1.9km  
 nr= 30 gap= 77 rms=0.94  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DRGR	24.0	180	Pg	6:13:49.96			-0.67
			Sg	13:53.76			-0.52
LTVH	74.4	304	PgU	6:13:59.44			0.06
			Sg	14:08.97			-0.87
CJR	75.1	116	Pg	6:13:59.79			0.30
			Sg	14:09.57			-0.48
BMR	94.8	39	Pg	6:14:03.19			0.20
			Sg	14:16.12			-0.15
TRPA	125.5	354	Pn	6:14:08.34			1.02
			Sn	14:23.37			-0.61
DEV	125.9	173	Pn	6:14:07.55			0.18
			Sn	14:22.16			-1.90
SURR	146.5	198	Pn	6:14:09.67			-0.27
			Sn	14:27.14			-1.51
AMBH	168.7	244	Pn	6:14:13.75			1.05
			Sn	14:33.66			0.10
BZS	176.2	209	Pn	6:14:12.82			-0.82
			Sn	14:35.01			-0.22
GZR	179.5	178	Pn	6:14:15.63			1.57
			Sn	14:37.22			1.25
ABAH	181.0	322	PnU	6:14:13.91			-0.33
			Sn	14:33.15			-3.14
BSZH	188.3	280	Pn	6:14:18.21			3.06

## Földrengés paraméterek

Sn 14:41.79 3.88  
 PKSN 216.9 267 Pn 6:14:18.52 -0.20  
 BANR 217.8 214 Sn 6:14:47.53 3.05  
 KECS 234.1 314 Pn 6:14:21.21 0.35  
 PSZ 235.3 295 Pn 6:14:20.40 -0.61  
 Sn 14:46.69 -1.67  
 PKS6 244.5 259 Pn 6:14:22.32 0.16  
 MORH 323.8 254 Pn 6:14:30.48 -1.57\*  
 Sn 15:04.68 -3.32\*  
 PKSM 324.2 254 Pn 6:14:30.84 -1.25\*  
 Sn 15:04.29 -3.79\*  
 PKSG 330.2 277 Pn 6:14:32.60 -0.25\*  
 LANS 339.4 315 ePn 6:14:36.00 2.01\*

241.

2024-02-26 time: 9:17:41.30 UTC ML= 1.5  
 lat: 48.561N lon: 20.756E h= 0.0 km  
 erh= 3.1km erz= 7.3km  
 nr= 10 gap= 92 rms=0.85  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	21.8	247	Pg	9:17:45.18			-0.01
			Sg	17:48.27			0.05
ABAH	46.3	129	Pg	9:17:49.38			-0.19
			Sg	17:56.27			0.25
PSZ	95.9	222	Pg	9:17:58.88			0.45
			Sg	18:11.88			0.09
NIE	100.8	341	Pg	9:18:01.29			1.99
STHS	101.7	21	Pg	9:17:59.10			-0.35
LANS	115.1	305	Pg	9:18:00.76			-1.09
TRPA	140.6	110	Sn	9:18:23.18			-1.84

242.

2024-02-26 time: 10:04:05.77 UTC ML= 1.2  
 lat: 46.138N lon: 18.039E h= 0.0 km  
 erh= 1.6km erz= 267km  
 nr= 9 gap=258 rms=0.22  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	7.2	139	Pg	10:04:06.92			-0.14
			Sg	04:08.66			0.60
PKSV	32.2	149	Pg	10:04:11.57			0.04
			Sg	04:15.71			-0.30
PKSM	47.2	80	Pg	10:04:14.24			0.03
			Sg	04:20.51			-0.28
MORH	47.5	79	Pg	10:04:14.16			-0.10
			Sg	04:20.82			-0.06
PKB4	59.0	47	Pg	10:04:16.64			0.33

243.

2024-02-26 time: 11:41:15.25 UTC ML= 1.3  
 lat: 48.544N lon: 17.417E h= 0.0 km  
 erh= 3.2km erz= 530km  
 nr= 6 gap=180 rms=0.31  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	3.5	166	Pg	11:41:15.61			-0.27
			Sg	41:16.62			0.25
MODS	21.6	209	Pg	11:41:19.39			0.28
			Sg	41:21.90			-0.22
JAVC	39.7	28	Pg	11:41:22.56			0.23
			Sg	41:27.19			-0.67



## Földrengés paraméterek

## Hypocenter Parameters

244.

2024-02-26 time: 11:47:54.89 UTC ML= 1.5  
 lat: 48.625N lon: 21.371E h= 0.0 km  
 erh= 2.0km erz= 2.5km  
 nr= 8 gap=132 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	37.9	195	Sg	11:48:07.92	0.98
KECS	67.2	256	Pg	11:48:07.53	0.63
			Sg	48:16.10	-0.17
KOLS	74.6	63	Sg	11:48:18.11	-0.50
STHS	88.5	354	Pg	11:48:10.78	0.09
			Sg	48:23.51	0.50
PSZ	134.9	234	Sn	11:48:35.48	-1.87
LANS	151.3	293	Sn	11:48:40.03	-0.96

245.

2024-02-26 time: 11:51:02.40 UTC ML= 1.6  
 lat: 48.576N lon: 21.382E h= 0.0 km  
 erh= 3.1km erz= 4.2km  
 nr= 8 gap=126 rms=1.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	32.9	199	Sg	11:51:13.87	1.01
KECS	67.0	261	Pg	11:51:16.17	1.80
			Sg	51:23.89	0.19
STHS	94.0	354	Pg	11:51:20.03	0.84
			Sg	51:32.09	-0.20
TRPA	99.1	120	Sg	11:51:32.38	-1.52
PSZ	132.5	236	Sn	11:51:41.33	-3.00
LANS	154.3	294	Sn	11:51:46.89	-2.27

246.

2024-02-27 time: 4:49:24.79 UTC ML= 1.7  
 lat: 46.140N lon: 16.462E h= 14.0 km  
 erh= 1.6km erz= 1.1km  
 nr= 12 gap=200 rms=0.35  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	37.9	335	Pg	4:49:32.16	0.16
			Sg	49:37.40	-0.22
BEHE	43.9	33	Pg	4:49:33.21	0.19
			Sg	49:39.30	-0.13
PTJ	47.3	236	Pg	4:49:33.51	-0.09
			Sg	49:40.08	-0.38
GROS	82.1	296	Sg	4:49:50.62	-0.64
CRES	85.4	246	P*	4:49:40.76	0.55
			S*	49:51.96	-0.28
PERS	117.2	298	Sn	4:50:00.77	0.62
MPLH	141.1	36	Pn	4:49:47.60	-0.03
			Sn	50:04.81	-0.64

247.

2024-02-27 time: 8:40:22.12 UTC ML= 1.9  
 lat: 46.152N lon: 21.562E h= 5.6 km  
 erh= 5.0km erz= 4.5km  
 nr= 11 gap=201 rms=1.00  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	53.2	210	Pg	8:40:30.94	-0.73
			Sg	40:38.91	-0.20
BZS	59.6	176	Pg	8:40:33.84	1.02

			Sg	40:41.04	-0.12
SURR	62.1	135	Pg	8:40:33.01	-0.25
			Sg	40:40.41	-1.54
DRGR	113.4	51	Pg	8:40:43.35	0.96
			Sg	40:56.22	-1.98
GZR	126.7	132	Pn	8:40:45.16	0.93
			Sn	41:00.19	-1.28
CJR	168.5	68	Sn	8:41:12.36	1.60

248.

2024-02-27 time: 9:43:39.65 UTC ML= 1.4  
 lat: 48.601N lon: 20.788E h= 0.0 km  
 erh= 1.6km erz= 2.2km  
 nr= 6 gap=232 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.9	240	Pg	9:43:44.45	0.17
			Sg	43:48.00	0.11
ABAH	47.6	135	Pg	9:43:48.54	0.39
			Sg	43:54.76	-0.02
PSZ	100.8	221	Sg	9:44:11.15	-0.55
TRPA	139.9	112	Sn	9:44:20.49	-2.73

249.

2024-02-27 time: 9:55:32.38 UTC ML= 1.6  
 lat: 47.320N lon: 18.439E h= 0.0 km  
 erh= 3.9km erz= 850km  
 nr= 6 gap=198 rms=0.51  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.8	335	PgU	9:55:34.18	0.22
			Sg	55:34.59	-0.59
CSKK	14.3	290	PgU	9:55:35.63	0.68
			Sg	55:36.90	-0.05
PKST	31.4	258	Sg	9:55:41.77	-0.59
PKSM	124.1	173	Sg	9:56:11.18	-0.66

250.

2024-02-27 time: 10:00:24.67 UTC ML= 1.4  
 lat: 47.135N lon: 17.928E h= 0.0 km  
 erh= 2.6km erz= 948km  
 nr= 11 gap=104 rms=0.77  
 Locality: Gyulafirátót  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	16.0	30	Pg	10:00:28.25	0.73
			Sg	00:30.02	0.28
TIH	26.3	186	Pg	10:00:29.71	0.34
			Sg	00:33.19	0.16
MPLH	29.7	278	Sg	10:00:33.77	-0.35
CSKK	35.7	45	Sg	10:00:35.96	-0.07
PKSG	45.2	51	Sg	10:00:39.68	0.65
SRO	80.8	21	Sg	10:00:49.09	-1.27
MORH	116.0	152	Sg	10:01:00.09	-1.44
PKSM	116.3	152	Pg	10:00:45.81	0.38
			Sg	00:59.47	-2.16

251.

2024-02-27 time: 10:10:10.85 UTC ML= 1.5  
 lat: 47.325N lon: 18.427E h= 0.0 km  
 erh= 1.9km erz= 486km  
 nr= 7 gap=193 rms=0.32  
 Locality: Zámoly  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKSG	8.0	340	Pg	10:10:12.24	-0.03
			Sg	10:12.86	-0.52
CSKK	13.3	289	Pg	10:10:13.78	0.56
			Sg	10:14.83	-0.25
PKST	30.6	256	Sg	10:10:20.54	-0.03
MORH	124.4	172	Sg	10:10:50.22	-0.16
PKSM	124.8	172	Sg	10:10:50.45	-0.06

252.

2024-02-27 time: 10:19:38.95 UTC ML= 1.8  
 lat: 47.822N lon: 20.031E h= 0.0 km  
 erh= 4.9km erz= 6.3km  
 nr= 7 gap=207 rms=0.65  
 Locality: Markaz  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	14.8	316	Pg	10:19:42.37	0.78
			Sg	19:43.67	0.02
PENC	56.2	266	Pg	10:19:48.38	-0.62
KECS	80.9	25	Sg	10:20:03.45	-1.22
ABAH	104.4	60	Pg	10:19:58.17	0.58
			Sg	20:12.00	-0.13
LANS	153.5	344	Sn	10:20:25.20	-0.34

253.

2024-02-27 time: 11:00:04.01 UTC ML= 1.9  
 lat: 48.171N lon: 16.872E h= 0.0 km  
 erh= 1.7km erz= 3.6km  
 nr= 11 gap=139 rms=0.47  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.4	81	Pg	11:00:07.45	0.34
			Sg	00:09.17	-0.37
MODS	37.6	53	Pg	11:00:10.97	0.24
			Sg	00:15.35	-0.62
RONA	67.8	219	Sg	11:00:24.74	-0.80
CONA	80.0	250	Pg	11:00:18.33	0.04
			Sg	00:29.75	0.33
KRUC	105.1	340	Sg	11:00:37.50	0.08
VRAC	128.1	351	Sg	11:00:44.31	-0.43
ARSA	143.9	225	Pn	11:00:29.60	0.62
			Sn	00:47.05	-1.41

254.

2024-02-27 time: 11:07:25.68 UTC ML= 1.7  
 lat: 48.485N lon: 21.690E h= 0.0 km  
 erh= 2.4km erz= 4.1km  
 nr= 12 gap=116 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	39.4	238	Pg	11:07:33.90	1.18
			Sg	07:37.74	-0.47
KOLS	65.8	41	Pg	11:07:38.13	0.70
			Sg	07:45.49	-1.10
TRPA	74.3	122	Pg	11:07:39.39	0.44
			Sg	07:48.62	-0.68
KECS	89.0	270	Pg	11:07:41.80	0.22
			Sg	07:53.20	-0.78
STHS	108.7	342	Pg	11:07:45.36	0.28
			Sg	07:58.64	-1.58
PSZ	147.6	245	Pn	11:07:51.04	-0.07
			Sn	08:09.66	-1.29

## Földrengés paraméterek

255.

2024-02-27 time: 11:46:52.53 UTC ML= 0.7  
 lat: 47.211N lon: 18.269E h= 0.0 km  
 erh= 4.0km erz= \*\*\*km  
 nr= 7 gap=141 rms=0.74  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.9	358	Pg	11:46:56.17	0.62
			Sg	46:57.34	-0.57
PKST	18.6	287	Pg	11:46:56.48	0.63
			Sg	46:58.01	-0.43
PKSG	22.1	25	Pg	11:46:56.83	0.35
			Sg	46:58.44	-1.12
PKSM	114.7	166	Sg	11:47:27.40	-1.58

256.

2024-02-28 time: 0:30:14.62 UTC ML= 0.5  
 lat: 45.603N lon: 21.872E h= 10.0 km  
 erh= 2.3km erz= 2.9km  
 nr= 5 gap=198 rms=0.38  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.0	274	Pg	0:30:18.98	0.36
			Sg	30:21.52	-0.21
SURR	25.9	49	Pg	0:30:19.83	0.25
			Sg	30:22.85	-0.59
BANR	62.6	247	Sg	0:30:34.28	-0.49

257.

2024-02-28 time: 4:51:47.53 UTC ML= 0.2  
 lat: 47.270N lon: 18.231E h= 3.7 km  
 erh= 1.7km erz= 4.1km  
 nr= 6 gap=223 rms=0.08  
 Locality: Kincsesbánya  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	10.6	12	Pg	4:51:49.65	0.12
			Sg	51:51.04	-0.05
PKST	14.9	265	Pg	4:51:50.29	0.02
			Sg	51:52.35	-0.06
PKSG	18.1	42	Pg	4:51:50.81	-0.02
			Sg	51:53.28	-0.13

258.

2024-02-28 time: 8:15:40.89 UTC ML= 1.7  
 lat: 46.039N lon: 22.847E h= 0.0 km  
 erh= 2.8km erz= 7.3km  
 nr= 12 gap=118 rms=0.75  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.8	166	Pg	8:15:44.71	0.64
			Sg	15:47.18	0.63
SURR	64.4	241	Pg	8:15:52.59	0.20
			Sg	16:00.17	-1.19
GZR	71.9	184	Pg	8:15:53.52	-0.21
			Sg	16:02.34	-1.41
DRGR	84.4	353	Pg	8:15:56.46	0.51
			Sg	16:06.36	-1.34
BZS	106.5	244	Pg	8:16:00.63	0.72
			Sg	16:14.32	-0.43
VOIR	184.0	111	Pn	8:16:11.00	0.14
			Sn	16:31.64	-2.60

## Földrengés paraméterek

## Hypocenter Parameters

259.

2024-02-28 time: 11:03:12.09 UTC ML= 1.3  
 lat: 48.599N lon: 20.683E h= 0.0 km  
 erh= 4.2km erz= 966km  
 nr= 6 gap=185 rms=0.57  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	19.5	228	Pg	11:03:15.64	0.07
			Sg	03:18.85	0.57
ABAH	53.2	129	Pg	11:03:22.17	0.58
			Sg	03:28.47	-0.53
PSZ	95.7	218	Sg	11:03:41.03	-1.48
LANS	108.2	305	Pg	11:03:31.21	-0.20

260.

2024-02-28 time: 11:34:26.97 UTC ML= 1.7  
 lat: 46.049N lon: 22.805E h= 0.0 km  
 erh= 1.5km erz= 394km  
 nr= 8 gap=163 rms=0.29  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.0	158	Pg	11:34:30.78	0.25
			Sg	34:33.03	-0.28
SURR	62.2	238	Pg	11:34:38.36	0.30
			Sg	34:46.40	-0.32
GZR	72.9	182	Pg	11:34:40.22	0.23
			Sg	34:49.80	-0.35
DRGR	82.8	355	Pg	11:34:41.69	-0.07
			Sg	34:52.74	-0.55

261.

2024-02-28 time: 12:39:08.79 UTC ML= 1.3  
 lat: 47.883N lon: 16.044E h= 0.0 km  
 erh= 2.1km erz= 4.8km  
 nr= 7 gap=153 rms=0.65  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.5	290	Pg	12:39:11.73	0.34
			Sg	39:13.08	-0.33
RONA	27.8	137	Pg	12:39:13.50	-0.26
			Sg	39:16.98	-0.65
MODS	106.8	59	Pg	12:39:28.73	0.87
			Sg	39:42.74	0.01
KRUC	133.6	11	Sn	12:39:49.03	-1.93

262.

2024-02-29 time: 9:17:04.79 UTC ML= 1.1  
 lat: 46.133N lon: 18.049E h= 0.0 km  
 erh= 1.2km erz= 170km  
 nr= 8 gap=289 rms=0.12  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.3	142	Pg	9:17:05.94	0.01
			Sg	17:07.02	0.21
PKSV	31.4	150	Pg	9:17:10.34	-0.06
			Sg	17:14.40	-0.38
PKSM	46.5	79	Pg	9:17:13.12	-0.02
			Sg	17:19.57	-0.01
MORH	46.8	79	Pg	9:17:13.27	0.11
			Sg	17:19.52	-0.16

263.

2024-02-29 time: 9:19:09.00 UTC ML= 1.1  
 lat: 46.112N lon: 18.074E h= 0.0 km  
 erh= 1.2km erz= 136km  
 nr= 6 gap=284 rms=0.09  
 Locality: Kővágóttós  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	3.3	143	Pg	9:19:09.67	0.08
			Sg	9:19:17.78	-0.25
PKSV	28.4	151	Pg	9:19:17.00	-0.06
			Sg	19:23.33	-0.02
MORH	45.5	75	Pg	9:19:17.16	0.04
			Sg	19:23.49	0.04

264.

2024-02-29 time: 9:39:07.20 UTC ML= 1.7  
 lat: 48.603N lon: 21.406E h= 0.0 km  
 erh= 2.2km erz= 4.2km  
 nr= 12 gap= 78 rms=0.78  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.3	200	Pg	9:39:13.94	0.26
			Sg	39:19.48	0.75
KECS	69.3	259	Pg	9:39:28.14	-1.08
			Sg	9:39:21.14	0.80
KOLS	73.6	60	Pg	9:39:29.47	-1.11
			Sg	9:39:23.68	0.17
STHS	91.3	353	Pg	9:39:35.71	-0.51
			Sg	9:39:25.77	0.89
TRPA	99.0	122	Pg	9:39:37.12	-1.55
			Sg	9:39:29.09	0.28
NIE	121.0	319	Pg	9:39:31.02	-0.13
PSZ	135.6	236	Pn	9:39:31.02	-0.13
KWP	148.7	40	Sn	9:39:50.94	-1.78

265.

2024-02-29 time: 9:59:38.78 UTC ML= 0.9  
 lat: 47.222N lon: 18.277E h= 0.0 km  
 erh= 3.5km erz= 462km  
 nr= 6 gap=258 rms=0.28  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.8	355	Pg	9:59:41.94	0.34
			Sg	59:43.75	-0.04
PKST	18.8	283	Pg	9:59:42.28	0.13
			Sg	59:44.33	-0.44
PKSG	20.8	24	Pg	9:59:42.48	-0.01
			Sg	59:44.83	-0.55

266.

2024-02-29 time: 10:10:03.10 UTC ML= 1.4  
 lat: 47.430N lon: 16.063E h= 10.5 km  
 erh= 3.1km erz= 2.0km  
 nr= 13 gap=149 rms=0.69  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	34.7	30	PgD	10:10:09.54	-0.03
			Sg	10:13.71	-0.91
ARSA	45.5	244	Pg	10:10:11.70	0.27
			Sg	10:17.26	-0.66
SOP	46.7	53	Pg	10:10:11.74	0.10
CONA	57.4	345	Pg	10:10:13.97	0.45
			Sg	10:20.89	-0.76

## Hypocenter Parameters

GROS 115.9 202 Sn 10:10:37.79 -1.17  
 MODS 138.7 41 Sn 10:10:43.21 -0.81  
 ABNA 145.7 341 Pn 10:10:27.96 1.00  
 Sn 10:45.02 -0.55  
 KRUC 183.1 8 Pn 10:10:33.25 1.63  
 Sn 10:54.40 0.53

267.

2024-02-29 time: 11:06:07.27 UTC ML= 1.5  
 lat: 47.209N lon: 18.207E h= 0.0 km  
 erh= 2.9km erz= \*\*\*km  
 nr= 12 gap=102 rms=0.98  
 Locality: Csőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	14.2	293	Pg	11:06:09.74	-0.07
			Sg	06:11.44	-0.35
CSKK	17.6	13	Pg	11:06:10.58	0.16
			Sg	06:11.95	-0.93
PKSG	24.6	34	Pg	11:06:11.73	0.06
			Sg	06:14.26	-0.84
MPLH	50.8	265	Pg	11:06:17.35	1.01
			Sg	06:23.58	0.17
PKB1	64.9	137	Pg	11:06:20.86	2.01
MORH	115.3	163	Sg	11:06:42.63	-1.30
PKSM	115.7	163	Sg	11:06:42.59	-1.45
KOVH	124.8	184	Sg	11:06:45.42	-1.53

268.

2024-02-29 time: 11:37:27.16 UTC ML= 2.1  
 lat: 48.806N lon: 21.615E h= 0.0 km  
 erh= 2.3km erz= 4.1km  
 nr= 18 gap= 68 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	50.3	74	Pg	11:37:36.29	0.15
			Sg	37:42.79	-0.36
ABAH	63.1	206	Pg	11:37:39.08	0.65
			Sg	37:46.82	-0.40
STHS	73.1	338	Pg	11:37:41.17	0.95
			Sg	37:50.22	-0.18
KECS	90.6	247	Pg	11:37:43.72	0.38
			Sg	37:54.14	-1.82
TRPA	101.6	138	Pg	11:37:45.32	0.02
			Sg	37:56.91	-2.53
NIE	117.0	306	Pg	11:37:48.76	0.72
			Sg	38:02.55	-1.78
KWP	121.5	41	Pg	11:37:48.96	0.11
			Sg	38:04.02	-1.76
PSZ	161.2	232	Pn	11:37:55.78	1.49
			Sn	38:14.73	-0.73
LANS	161.8	284	Pn	11:37:54.74	0.38
			Sn	38:15.12	-0.46
DRGR	238.6	160	Pn	11:38:09.48	5.54*

269.

2024-02-29 time: 13:55:32.42 UTC ML= 1.5  
 lat: 47.865N lon: 16.058E h= 0.0 km  
 erh= 1.6km erz= 4.0km  
 nr= 9 gap= 85 rms=0.49  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.3	296	Pg	13:55:35.50	0.17
			Sg	55:38.13	0.53
RONA	25.6	136	Pg	13:55:37.20	0.21
			Sg	55:41.06	0.50
ARSA	79.3	211	Pg	13:55:46.77	0.20

## Földrengés paraméterek

Sg 55:56.65 -0.96  
 MODS 107.0 58 Sg 13:56:06.30 -0.13  
 KRUC 135.4 11 Pn 13:55:55.80 -0.54  
 Sn 56:11.93 -3.07

270.

2024-02-29 time: 14:09:39.22 UTC ML= 1.2  
 lat: 47.885N lon: 16.078E h= 0.0 km  
 erh= 1.8km erz= 3.2km  
 nr= 7 gap=131 rms=0.79  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.9	287	Pg	14:09:42.79	0.55
			Sg	09:45.22	0.63
RONA	26.3	142	Pg	14:09:44.30	0.38
			Sg	09:48.16	0.57
ARSA	82.0	211	Sg	14:10:04.09	-1.20
KRUC	132.9	10	Pn	14:10:02.51	-0.32
			Sn	10:19.03	-2.22

271.

2024-02-29 time: 14:12:51.12 UTC ML= 1.7  
 lat: 48.899N lon: 20.750E h= 0.0 km  
 erh= 3.4km erz= 938km  
 nr= 8 gap=121 rms=0.68  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	50.2	203	Pg	14:13:00.41	0.32
			Sg	13:06.81	-0.27
NIE	66.0	331	Sg	14:13:11.52	-0.58
STHS	67.9	32	Sg	14:13:12.18	-0.52
ABAH	76.2	152	Pg	14:13:05.35	0.63
			Sg	13:14.69	-0.64
PSZ	126.1	210	Pg	14:13:14.27	0.62
			Sg	13:29.43	-1.78

272.

2024-03-01 time: 3:58:02.18 UTC ML= 1.6  
 lat: 45.680N lon: 21.864E h= 9.1 km  
 erh= 4.4km erz= 2.5km  
 nr= 9 gap=172 rms=0.31  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.5	250	Pg	3:58:05.68	-0.51
			Sg	58:09.51	0.19
SURR	21.9	68	Pg	3:58:06.48	0.07
			Sg	58:09.60	-0.11
BANR	65.8	240	Pg	3:58:14.45	0.40
			Sg	58:23.16	-0.14
AMBH	115.4	310	Sn	3:58:38.40	0.16
DRGR	139.8	28	Pn	3:58:25.67	0.20
			Sn	58:43.07	-0.58

273.

2024-03-01 time: 6:20:03.30 UTC ML= 1.4  
 lat: 47.273N lon: 18.378E h= 0.0 km  
 erh= 1.6km erz= 2.7km  
 nr= 12 gap=112 rms=0.48  
 Locality: Sárkeresztés  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	13.3	4	Pg	6:20:05.87	0.20
			Sg	20:07.14	-0.38

## Földrengés paraméterek

## Hypocenter Parameters

CSKK 13.4 318 Pg 6:20:05.96 0.26  
 Sg 20:06.68 -0.89  
 PKST 26.1 267 Pg 6:20:07.80 -0.16  
 Sg 20:11.21 -0.38  
 MPLH 64.6 260 Sg 6:20:24.33 0.51  
 MORH 119.3 170 Sg 6:20:40.93 -0.28  
 PKSM 119.7 170 Sg 6:20:41.39 0.05  
 KOVH 133.4 189 Sn 6:20:45.33 -0.10  
 PSZ 134.7 58 Pn 6:20:27.96 0.82  
 Sn 20:44.17 -1.56

274.

2024-03-01 time: 7:01:06.80 UTC ML= 1.2  
 lat: 47.301N lon: 18.323E h= 0.0 km  
 erh= 1.1km erz= 185km  
 nr= 6 gap=231 rms=0.11  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	8.3	325	Pg	7:01:08.40	0.12
			Sg	01:09.41	-0.03
PKSG	11.3	27	PgU	7:01:08.79	-0.02
			Sg	01:10.24	-0.14
PKST	22.3	258	Pg	7:01:10.87	0.08
			Sg	01:13.67	-0.23

275.

2024-03-01 time: 8:05:18.46 UTC ML= 1.6  
 lat: 48.039N lon: 20.671E h= 0.0 km  
 erh= 3.4km erz= 908km  
 nr= 7 gap=144 rms=0.63  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	51.1	56	Pg	8:05:27.06	-0.52
			Sg	05:35.86	1.17
KECS	51.3	344	Pg	8:05:27.83	0.21
			Sg	05:34.32	-0.45
PSZ	59.5	257	Pg	8:05:29.38	0.30
			Sg	05:37.87	0.50
BSZH	87.6	200	Sg	8:05:44.97	-1.33

276.

2024-03-01 time: 8:41:50.16 UTC ML= 1.9  
 lat: 48.503N lon: 17.491E h= 0.0 km  
 erh= 2.1km erz= 2.9km  
 nr= 12 gap=202 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.7	285	Pg	8:41:51.04	0.04
			Sg	41:51.66	0.00
MODS	21.4	228	Pg	8:41:54.98	1.01
			Sg	41:57.53	0.58
JAVC	41.8	19	Pg	8:41:57.56	-0.06
			Sg	42:03.01	-0.42
ZST	44.6	220	Sg	8:42:04.32	-0.02
KRUC	101.7	308	Sg	8:42:22.11	-0.38
VRAC	111.1	324	Pg	8:42:10.22	0.22
RONA	126.1	225	Sg	8:42:28.71	-1.52
CONA	136.9	242	Pn	8:42:14.04	-0.22
			Sn	42:31.87	-1.19

277.

2024-03-01 time: 8:58:39.96 UTC ML= 1.4  
 lat: 47.825N lon: 19.946E h= 0.0 km  
 erh= 3.9km erz= 774km  
 nr= 6 gap=204 rms=0.49  
 Locality: Mátrafüred  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	11.0	340	Pg	8:58:42.28	0.35
			Sg	58:43.83	0.36
PENC	49.9	266	Pg	8:58:49.21	0.34
			Sg	58:54.87	-0.95
KECS	83.5	29	Sg	8:59:06.20	-0.29
ABAH	109.7	62	Sg	8:59:14.16	-0.68

278.

2024-03-01 time: 10:05:57.01 UTC ML= 2.1  
 lat: 45.903N lon: 16.001E h= 10.0 km  
 erh= 2.0km erz= 1.5km  
 nr= 16 gap=140 rms=0.49  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.4	264	PgD	10:05:58.73	-0.16
			Sg	06:00.05	-0.31
ZAG	8.2	184	PgD	10:05:58.93	-0.39
			Sg	06:00.51	-0.62
GCIS	29.3	262	iPg	10:06:02.98	0.44
			iSg	06:07.00	0.15
CRES	43.1	259	Pg	10:06:05.18	0.26
			Sg	06:11.43	0.34
KOGS	63.6	18	Pg	10:06:09.31	0.81
			Sg	06:17.80	0.33
GROS	73.0	328	Sg	10:06:19.91	-0.53
BEHE	86.9	43	Sg	10:06:24.14	-0.67
PERS	106.2	320	P*	10:06:16.00	0.02
			S*	06:29.62	-1.16
SOKA	114.0	319	Pn	10:06:17.44	0.46
			Sn	06:31.69	-0.86

279.

2024-03-01 time: 10:09:43.00 UTC ML= 2.0  
 lat: 45.869N lon: 16.001E h= 10.0 km  
 erh= 5.0km erz= 2.5km  
 nr= 11 gap=170 rms=0.75  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	4.5	187	Pg	10:09:44.81	-0.14
			Sg	09:46.05	-0.43
PTJ	4.8	316	Pg	10:09:44.81	-0.17
			Sg	09:45.90	-0.62
CRES	42.5	264	Pg	10:09:51.30	0.51
			Sg	09:57.47	0.59
KOGS	67.2	17	Pg	10:09:56.78	1.65
			Sg	10:03.80	-0.79
PERS	109.1	321	Sn	10:10:15.86	-1.60
SOKA	116.9	320	Pn	10:10:03.35	0.03
			Sn	10:18.64	-0.54

280.

2024-03-01 time: 10:22:09.62 UTC ML= 2.1  
 lat: 48.435N lon: 17.202E h= 0.0 km  
 erh= 1.3km erz= 2.8km  
 nr= 19 gap= 79 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
MODS	8.8	141	Pg	10:22:10.85	-0.34
			Sg	22:13.01	0.59
SMOL	18.9	62	Pg	10:22:12.09	-0.91
			Sg	22:16.41	0.78
ZST	27.6	195	Pg	10:22:14.25	-0.29
			Sg	22:18.26	-0.12
JAVC	58.5	36	Pg	10:22:20.58	0.52
			Sg	22:28.30	0.10
KRUC	91.5	320	Pg	10:22:26.60	0.64
			Sg	22:38.64	-0.07
RONA	106.0	220	Pg	10:22:29.27	0.72
			Sg	22:43.45	0.14
VRAC	106.9	335	Pg	10:22:28.07	-0.63
			Sg	22:43.97	0.38
CONA	114.5	241	Pg	10:22:30.46	0.40
			Sg	22:45.01	-0.99
MORC	151.3	9	Pn	10:22:35.49	-0.02
			Sn	22:54.16	-1.55
ARSA	182.0	224	Sn	10:23:01.57	-0.97

281.

2024-03-01 time: 10:33:12.68 UTC ML= 1.6  
 lat: 45.876N lon: 16.003E h= 6.0 km  
 erh= 2.1km erz= 1.1km  
 nr= 7 gap=197 rms=0.22  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.4	307	Pg	10:33:13.79	-0.21
			Sg	33:15.21	0.18
ZAG	5.3	187	Pg	10:33:14.06	-0.05
			Sg	33:15.33	0.10
CRES	42.8	262	Pg	10:33:20.69	0.30
			Sg	33:25.94	-0.47
BLY	155.8	144	Sn	10:33:58.44	0.02

282.

2024-03-01 time: 11:02:15.40 UTC ML= 1.5  
 lat: 47.579N lon: 18.515E h= 0.0 km  
 erh= 7.2km erz= 5.5km  
 nr= 7 gap=311 rms=0.44  
 Locality: Tarján  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	22.8	204	Pg	11:02:19.34	-0.14
			Sg	02:23.51	0.85
CSKK	30.8	219	Pg	11:02:20.81	-0.08
			Sg	02:24.59	-0.59
PKST	50.8	226	Pg	11:02:24.94	0.46
			Sg	02:31.46	-0.10
PKSM	152.3	176	Sn	11:03:00.91	-0.81

283.

2024-03-01 time: 11:46:47.44 UTC ML= 1.5  
 lat: 45.873N lon: 16.013E h= 10.0 km  
 erh= 1.2km erz= 0.9km  
 nr= 7 gap=181 rms=0.13  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	5.1	197	Pg	11:46:49.50	0.06
			Sg	46:50.97	-0.04
PTJ	5.2	305	Pg	11:46:49.46	0.01
			Sg	46:50.85	-0.17
CRES	43.5	263	Pg	11:46:55.33	-0.08
			Sg	47:02.20	0.57
KOGS	66.5	16	Sg	11:47:08.88	0.07

284.

2024-03-01 time: 13:46:42.41 UTC ML= 2.0  
 lat: 45.906N lon: 16.009E h= 0.0 km  
 erh= 2.4km erz= 719km  
 nr= 11 gap=171 rms=0.58  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PTJ	4.0	261	Pg	13:46:43.59	0.46
			Sg	46:44.82	1.12
ZAG	8.6	188	Pg	13:46:43.59	-0.36
			Sg	46:45.01	-0.15
CRES	43.8	258	Pg	13:46:50.53	0.29
			Sg	46:56.01	-0.33
KOGS	63.1	17	Sg	13:47:02.85	0.39
GROS	73.1	328	Pg	13:46:55.68	0.22
			Sg	47:05.57	-0.07
PERS	106.4	320	Sg	13:47:15.40	-0.83
SOKA	114.1	319	Sg	13:47:17.24	-1.45
BLY	158.2	144	Sn	13:47:25.23	-4.81*

285.

2024-03-01 time: 16:26:36.10 UTC ML= 2.3  
 lat: 48.342N lon: 18.146E h= 0.0 km  
 erh= 2.1km erz= 2.1km  
 nr= 20 gap=128 rms=0.95  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	56.4	290	Sg	16:26:53.90	-0.13
MODS	64.5	273	Pg	16:26:49.30	1.69
			Sg	26:56.71	0.11
JAVC	67.3	329	Pg	16:26:48.44	0.32
			Sg	26:57.10	-0.39
ZST	79.2	258	Pg	16:26:51.45	1.21
			Sg	27:00.96	-0.31
ZBNS	95.2	23	Pg	16:26:54.03	0.93
			Sg	27:05.74	-0.63
CSKK	109.2	176	Sg	16:27:10.03	-0.79
LANS	132.4	47	Pn	16:26:59.03	-0.60
MPLH	138.1	199	Sn	16:27:17.82	-1.44
KRUC	151.7	302	Sn	16:27:20.56	-1.73
			Pn	16:27:03.00	0.49
RONA	155.4	243	Sn	27:22.61	-0.50
			Sn	16:27:22.26	-1.12
MORC	165.5	345	Pn	16:27:04.20	0.43
CONA	176.2	255	Sn	27:22.55	-2.80
			Pn	16:27:04.27	-0.83
			Sn	27:26.19	-1.53

286.

2024-03-01 time: 20:17:14.66 UTC ML= 1.7  
 lat: 48.748N lon: 19.268E h= 14.9 km  
 erh= 4.3km erz= 4.7km  
 nr= 10 gap=134 rms=0.77  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
LANS	47.0	18	PgU	20:17:23.98	0.51
			Sg	17:29.54	-0.81
ZBNS	62.8	313	PgU	20:17:26.41	0.23
			Sg	17:33.96	-1.21
KECS	94.5	108	P*	20:17:31.95	0.57
			S*	17:43.07	-1.35
PSZ	103.3	153	Pn	20:17:33.65	0.99
			Sn	17:45.57	-1.14
PENC	106.5	179	Sn	20:17:47.43	0.01
NIE	106.7	46	Sn	20:17:47.08	-0.38

## Földrengés paraméterek

## Hypocenter Parameters

287.

2024-03-01 time: 21:23:58.99 UTC ML= 1.5  
 lat: 45.927N lon: 16.022E h= 3.4 km  
 erh= 3.7km erz= 4.1km  
 nr= 6 gap=296 rms=0.23  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.8	239	Pg	21:23:59.89			-0.31
			Sg	24:01.33			0.20
ZAG	11.1	191	Pg	21:24:01.14			0.07
			Sg	24:02.57			-0.12
CRES	45.3	256	Pg	21:24:07.42			0.31
			Sg	24:13.21			-0.23

288.

2024-03-02 time: 3:50:15.67 UTC ML= 1.9  
 lat: 46.233N lon: 16.424E h= 13.2 km  
 erh= 2.0km erz= 1.4km  
 nr= 15 gap=171 rms=0.53  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	27.3	331	Pg	3:50:20.66			-0.43
			Sg	50:25.11			-0.21
BEHE	37.8	46	Pg	3:50:23.47			0.65
			Sg	50:27.23			-1.16
PTJ	51.7	224	Sg	3:50:32.08			-0.54
ZAG	55.9	216	Sg	3:50:33.95			0.02
GROS	75.3	290	Pg	3:50:29.89			0.56
			Sg	50:40.85			0.87
CRES	87.5	239	Pg	3:50:31.62			0.15
			Sg	50:43.04			-0.75
PERS	110.0	294	Pn	3:50:35.21			0.48
			Sn	50:48.99			-0.60
SOKA	117.7	295	Sn	3:50:50.94			-0.38
ARSA	132.4	329	Sn	3:50:54.34			-0.22
EGYH	148.7	28	Sn	3:50:58.02			-0.18

289.

2024-03-02 time: 9:39:59.13 UTC ML= 1.1  
 lat: 46.180N lon: 18.302E h= 0.0 km  
 erh= 1.7km erz= 3.1km  
 nr= 14 gap=105 rms=0.67  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	18.6	237	Pg	9:40:02.59			0.13
			Sg	40:05.22			0.17
PKSM	26.4	82	Pg	9:40:04.29			0.44
			Sg	40:06.99			-0.55
MORH	26.7	81	Pg	9:40:04.21			0.31
			Sg	40:06.68			-0.95
PKSV	32.6	187	Pg	9:40:05.14			0.19
			Sg	40:09.15			-0.34
PKB4	42.2	33	Sg	9:40:13.86			1.31
PKS9	45.3	358	Sg	9:40:15.25			1.71
PKST	121.7	350	Sg	9:40:36.90			-0.93
MPLH	124.6	332	Sg	9:40:38.13			-0.62
CSKK	131.6	359	Sn	9:40:40.06			-0.81
PKSG	134.9	3	Sn	9:40:40.68			-0.92

290.

2024-03-02 time: 14:57:35.39 UTC ML= 1.9  
 lat: 45.868N lon: 16.005E h= 10.0 km  
 erh= 3.7km erz= 2.0km  
 nr= 12 gap=175 rms=0.71  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	4.4	191	Pg	14:57:37.29			-0.05
			Sg	57:38.72			-0.14
PTJ	5.1	314	PgD	14:57:37.13			-0.26
			Sg	57:38.56			-0.39
CRES	42.9	264	Pg	14:57:43.58			0.34
			Sg	57:50.08			0.71
KOGS	67.2	16	Pg	14:57:49.20			1.68
			Sg	57:56.30			-0.68
GROS	76.5	329	Sg	14:57:59.02			-0.89
PERS	109.4	321	Pn	14:57:54.76			-0.03
			Sn	58:08.42			-1.50
SOKA	117.1	320	Sn	14:58:11.72			0.09

291.

2024-03-02 time: 20:20:51.74 UTC ML= 1.4  
 lat: 45.919N lon: 16.030E h= 5.4 km  
 erh= 3.7km erz= 4.3km  
 nr= 8 gap=230 rms=0.46  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	6.0	249	Pg	20:20:53.41			0.23
			Sg	20:54.59			0.29
ZAG	10.4	196	Pg	20:20:53.49			-0.34
			Sg	20:54.96			-0.51
CRES	45.7	257	Pg	20:21:00.77			0.82
			Sg	21:06.15			-0.21
GROS	72.7	326	Sg	20:21:14.50			-0.42
PERS	106.3	319	Sg	20:21:25.15			-0.42

292.

2024-03-03 time: 3:00:13.98 UTC ML= 1.7  
 lat: 45.658N lon: 18.163E h= 4.3 km  
 erh= 4.1km erz= 3.2km  
 nr= 19 gap=174 rms=0.68  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	26.5	15	Pg	3:00:19.04			0.26
			Sg	00:22.81			0.29
KOVH	48.0	354	Pg	3:00:22.85			0.26
			Sg	00:28.71			-0.60
PKSM	71.9	31	Pg	3:00:26.55			-0.28
			Sg	00:35.38			-1.48
MORH	72.4	31	Pg	3:00:26.56			-0.36
			Sg	00:35.47			-1.55
PKB4	99.2	20	Pg	3:00:32.35			0.64
			Sg	00:44.94			-0.60
PKS9	103.6	5	Pg	3:00:32.48			-0.02
PKB5	113.1	23	Pg	3:00:34.82			0.62
PKB3	116.7	43	Pg	3:00:35.16			0.32
PKS2	123.3	41	Pn	3:00:36.30			0.47
			Sn	00:52.37			-0.50
BLY	127.0	217	Pn	3:00:35.90			-0.40
			Sn	00:51.63			-2.08
PKB1	134.3	21	Pn	3:00:37.80			0.60
KOGS	172.1	301	Pn	3:00:44.25			2.33

## Hypocenter Parameters

## Földregés paraméterek

293.

2024-03-04 time: 4:46:07.06 UTC ML= 2.0  
 lat: 46.127N lon: 17.093E h= 7.7 km  
 erh= 1.7km erz= 1.3km  
 nr= 28 gap=148 rms=0.65  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	45.3	327	Pg	4:46:15.86			0.60
			Sg		46:21.38		-0.28
KOGS	74.1	299	Pg	4:46:20.58			0.22
			Sg		46:29.59		-1.15
KOVH	78.0	93	Pg	4:46:21.17			0.13
			Sg		46:30.89		-1.06
PTJ	91.5	254	Pg	4:46:23.64			0.19
			Sg		46:34.38		-1.85
PKSV	93.6	106	Pg	4:46:23.93			0.10
			Sg		46:36.05		-0.86
PKS9	104.6	61	Pg	4:46:26.23			0.44
			Sg		46:40.65		0.26
TIH	105.6	36	Pg	4:46:25.99			0.03
			Sg		46:38.83		-1.88
PKSM	119.9	85	Pn	4:46:27.96			-0.11
			Sn		46:43.87		-0.59
MORH	120.2	85	Pn	4:46:28.49			0.39
			Sn		46:43.64		-0.87
MPLH	120.9	16	Pn	4:46:28.58			0.40
			Sn		46:43.03		-1.63
PKB4	123.4	71	Pn	4:46:29.06			0.56
			Sn		46:45.24		0.02
GROS	128.1	287	Sn	4:46:45.52			-0.75
			Pn	4:46:30.36			0.89
CRES	131.2	255	Sn	4:46:46.77			-0.18
			Sn	4:46:48.68			0.51
PKB1	149.6	61	Sn	4:46:53.25			2.21
			Sn	4:46:54.17			0.33

294.

2024-03-04 time: 8:35:04.22 UTC ML= 1.6  
 lat: 47.871N lon: 19.115E h= 0.0 km  
 erh= 5.0km erz= 771km  
 nr= 5 gap=181 rms=0.35  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	15.3	126	Pg	8:35:07.29			0.33
			Sg		35:08.62		-0.47
PSZ	58.5	85	Pg	8:35:14.92			0.25
			Sg		35:22.36		-0.45
SRO	60.4	264	Sg	8:35:23.14			-0.27

295.

2024-03-04 time: 8:52:43.05 UTC ML= 1.7  
 lat: 48.463N lon: 17.403E h= 0.0 km  
 erh= 1.6km erz= 400km  
 nr= 15 gap=192 rms=0.34  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	6.0	19	PgU	8:52:43.88			-0.24
			Sg		52:44.63		-0.33
MODS	13.6	223	Pg	8:52:45.50			0.03
			Sg		52:47.59		0.23
ZST	37.1	217	Pg	8:52:49.81			0.15
			Sg		52:54.23		-0.60
JAVC	48.3	24	Pg	8:52:51.98			0.31
			Sg		52:57.99		-0.41
KRUC	99.6	312	Pg	8:53:01.15			0.31
			Sg		53:14.50		-0.22

SOP	107.1	216	Pg	8:53:02.38			0.21
RONA	118.3	224	Pg	8:53:04.39			0.22
			Sg		53:19.37		-1.28
CONA	129.1	243	Pg	8:53:06.20			0.11
			Sg		53:22.13		-1.94*

296.

2024-03-04 time: 9:08:09.00 UTC ML= 1.7  
 lat: 48.671N lon: 19.087E h= 0.0 km  
 erh= 3.0km erz= 4.9km  
 nr= 16 gap= 81 rms=1.11  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	60.2	28	Pg	9:08:20.88			1.13
			Sg		08:28.71		0.58
ZBNS	60.9	328	Pg	9:08:19.80			-0.07
			Sg		08:27.79		-0.56
PENC	99.0	172	Sg	9:08:39.82			-0.64
PSZ	103.0	144	Pg	9:08:28.66			1.27
			Sg		08:39.46		-2.27
KECS	105.3	101	Pg	9:08:27.77			-0.04
			Sg		08:40.14		-2.34
JAVC	106.2	281	Pg	9:08:29.04			1.08
			Sg		08:41.09		-1.65
NIE	122.3	47	Pg	9:08:31.07			0.23
			Sg		08:46.57		-1.30
PKSG	151.4	200	Pn	9:08:36.15			1.24
			Sn		08:54.15		-0.98
MORC	166.6	318	Sn	9:08:57.06			-1.44

297.

2024-03-04 time: 9:17:09.32 UTC ML= 1.6  
 lat: 48.574N lon: 20.760E h= 0.0 km  
 erh= 3.1km erz= 6.2km  
 nr= 14 gap= 90 rms=1.12  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	22.6	244	Pg	9:17:13.40			0.04
			Sg		17:17.16		0.65
ABAH	47.1	131	Pg	9:17:17.55			-0.18
			Sg		17:25.14		0.86
PSZ	97.2	221	Pg	9:17:27.02			0.34
			Sg		17:40.48		0.27
NIE	99.5	341	Pg	9:17:29.68			2.59
			Sg		17:28.19		0.98
STHS	100.2	21	Pg	9:17:28.19			0.98
			Sg		17:40.40		-0.77
LANS	114.5	304	Pg	9:17:29.13			-0.63
			Sg		17:43.61		-2.09
KOLS	118.2	70	Sg	9:17:44.78			-2.13
TRPA	140.8	111	Pn	9:17:33.59			-0.32
			Sn		17:51.28		-1.81

298.

2024-03-04 time: 10:06:04.47 UTC ML= 1.7  
 lat: 48.552N lon: 19.276E h= 0.0 km  
 erh= 2.3km erz= 909km  
 nr= 10 gap= 83 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	68.1	12	Sg	10:06:25.95			-0.15
ZBNS	79.7	324	Sg	10:06:30.20			0.40
PSZ	84.1	147	Pg	10:06:20.63			1.15
			Sg		06:30.18		-1.02
PENC	84.6	180	Sg	10:06:31.19			-0.18
KECS	89.7	95	Pg	10:06:20.78			0.29
			Sg		06:32.05		-0.93



## Földrengés paraméterek

## Hypocenter Parameters

SRO 108.9 221 Sg 10:06:38.65 -0.44  
 JAVC 123.0 286 Pg 10:06:26.73 0.29  
 Sg 06:42.31 -1.26

Sg 49:39.22 0.76  
 KECS 75.4 276 Sg 7:49:54.54 -0.45  
 TRPA 83.4 112 Sg 7:49:56.83 -0.68  
 PSZ 131.6 245 Sn 7:50:10.43 -2.31

299.

2024-03-04 time: 10:32:51.91 UTC ML= 1.8  
 lat: 48.639N lon: 19.131E h= 0.0 km  
 erh= 3.2km erz= 4.8km  
 nr= 14 gap= 85 rms=1.13  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	62.1	23	Pg	10:33:02.71	-0.28
			Sg	33:11.94	0.30
ZBNS	65.7	327	Pg	10:33:03.96	0.32
			Sg	33:13.51	0.73
PENC	95.0	173	Sg	10:33:20.39	-1.70
PSZ	98.1	145	Pg	10:33:10.22	0.79
			Sg	33:21.96	-1.14
KECS	101.5	100	Pg	10:33:11.16	1.13
			Sg	33:22.90	-1.27
JAVC	110.1	283	Pg	10:33:13.35	1.78
			Sg	33:25.09	-1.82
MODS	140.1	258	Sn	10:33:34.17	-1.34
MORC	171.5	318	Pn	10:33:20.62	0.29
			Sn	33:40.35	-2.14

300.

2024-03-04 time: 13:11:23.81 UTC ML= 1.5  
 lat: 48.564N lon: 19.831E h= 0.2 km  
 erh= 8.1km erz= \*\*\*km  
 nr= 6 gap=204 rms=0.97  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	49.2	101	Pg	13:11:32.52	-0.06
			Sg	11:37.51	-1.92
PSZ	71.9	176	Pg	13:11:37.55	0.90
			Sg	11:45.26	-1.41
NIE	101.4	20	Sg	13:11:55.59	-0.45
ABAH	108.4	106	Pg	13:11:44.05	0.89

301.

2024-03-05 time: 3:46:45.49 UTC ML= 0.0  
 lat: 47.267N lon: 18.222E h= 2.8 km  
 erh= 1.7km erz= 5.1km  
 nr= 6 gap=224 rms=0.07  
 Locality: Kincsesbánya  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	11.0	15	PgD	3:46:47.55	0.03
			Sg	46:49.13	0.02
PKST	14.3	266	Pg	3:46:48.15	0.07
			Sg	46:50.04	-0.07
PKSG	18.8	43	Pg	3:46:48.90	0.02
			Sg	46:51.35	-0.18

302.

2024-03-05 time: 7:49:31.01 UTC ML= 1.3  
 lat: 48.415N lon: 21.500E h= 0.0 km  
 erh= 8.7km erz= 6.4km  
 nr= 5 gap=197 rms=1.21  
 Locality: Nagyhuta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	23.4	236	Pg	7:49:36.39	1.20

303.

2024-03-05 time: 8:04:38.67 UTC ML= 1.8  
 lat: 45.991N lon: 22.778E h= 0.0 km  
 erh= 1.5km erz= 2.4km  
 nr= 11 gap=112 rms=0.52  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	15.5	141	Pg	8:04:41.29	-0.13
			Sg	04:43.56	-0.02
SURR	57.2	243	Pg	8:04:49.59	0.72
			Sg	04:56.86	0.03
GZR	66.5	180	Pg	8:04:50.76	0.23
			Sg	05:00.07	0.28
DRGR	89.1	357	Pg	8:04:54.83	0.25
BZS	99.4	245	Sg	8:05:09.31	-0.95
BANR	144.7	242	Sn	8:05:22.06	-1.25
VOIR	187.3	109	Pn	8:05:08.60	-0.45
			Sn	05:29.97	-2.79*

304.

2024-03-05 time: 8:37:55.74 UTC ML= 1.3  
 lat: 48.689N lon: 20.752E h= 0.0 km  
 erh= 8.5km erz= \*\*\*km  
 nr= 5 gap=202 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	30.2	221	Pg	8:38:00.92	-0.22
			Sg	38:05.08	-0.26
ABAH	56.6	141	Pg	8:38:06.92	1.06
			Sg	38:12.12	-1.63
LANS	107.2	299	Pg	8:38:14.88	-0.01

305.

2024-03-05 time: 8:57:07.97 UTC ML= 1.5  
 lat: 48.556N lon: 20.761E h= 0.0 km  
 erh= 2.6km erz= 6.7km  
 nr= 7 gap=221 rms=0.44  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.9	248	Pg	8:57:11.76	-0.13
			Sg	57:15.08	0.13
ABAH	45.7	129	Pg	8:57:16.58	0.45
			Sg	57:22.19	-0.31
PSZ	95.8	222	Pg	8:57:25.19	0.11
			Sg	57:38.03	-0.40
TRPA	140.0	110	Sn	8:57:47.67	-3.90

306.

2024-03-05 time: 9:07:58.29 UTC ML= 1.5  
 lat: 47.803N lon: 19.144E h= 0.0 km  
 erh= 5.0km erz= 767km  
 nr= 6 gap=203 rms=0.48  
 Locality: Vác  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	10.4	98	Pg	9:08:00.55	0.40
			Sg	08:01.97	0.36
BUD	36.6	194	Sg	9:08:10.03	0.10

## Hypocenter Parameters

PSZ 57.6 77 Sg 9:08:15.48 -1.13  
 CSKK 82.5 234 Sg 9:08:24.49 -0.02  
 PKST 103.1 234 Sg 9:08:30.65 -0.42

307.

2024-03-05 time: 9:27:30.65 UTC ML= 1.9  
 lat: 47.321N lon: 18.433E h= 0.0 km  
 erh= 1.4km erz= 476km  
 nr= 8 gap=114 rms=0.34  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.5	338	Pg	9:27:32.34	0.17
			Sg	27:33.05	-0.31
CSKK	13.8	290	PgU	9:27:33.67	0.55
			Sg	27:34.70	-0.35
PKST	30.9	257	Sg	9:27:40.11	-0.37
MORH	123.9	173	Sg	9:28:09.87	-0.16
PKSM	124.3	173	Sg	9:28:10.27	0.11
PSZ	128.4	59	Sg	9:28:11.14	-0.33

308.

2024-03-05 time: 10:37:13.06 UTC ML= 1.1  
 lat: 47.175N lon: 18.264E h= 0.0 km  
 erh= 3.6km erz= \*\*\*km  
 nr= 9 gap=143 rms=0.80  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.8	298	Pg	10:37:17.29	0.70
			Sg	37:19.18	-0.16
CSKK	20.9	359	Pg	10:37:17.13	0.33
			Sg	37:19.03	-0.68
PKSG	26.0	22	Pg	10:37:18.16	0.47
			Sg	37:20.13	-1.18
MPLH	54.9	269	Pg	10:37:23.60	0.73
			Sg	37:29.06	-1.46
PKSM	110.9	165	Sg	10:37:46.84	-1.46

309.

2024-03-05 time: 10:47:25.21 UTC ML= 1.7  
 lat: 48.672N lon: 21.482E h= 0.0 km  
 erh= 3.4km erz= 5.9km  
 nr= 10 gap=107 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	65.0	63	Sg	10:47:45.48	-0.38
KECS	76.5	254	Pg	10:47:39.32	0.45
			Sg	47:48.41	-1.11
STHS	84.6	348	Pg	10:47:40.36	0.04
			Sg	47:52.12	0.01
TRPA	98.8	128	Pg	10:47:43.66	0.81
			Sg	47:55.36	-1.25
NIE	119.2	314	Sg	10:48:01.30	-1.78
PSZ	144.6	235	Pn	10:47:51.57	1.30
			Sn	48:08.87	-0.95

310.

2024-03-05 time: 11:15:00.79 UTC ML= 1.9  
 lat: 48.117N lon: 16.914E h= 0.0 km  
 erh= 3.0km erz= 6.9km  
 nr= 16 gap= 98 rms=1.04  
 Locality: Austria  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
ZST	16.6	58	Pg	11:15:03.84	0.09
			Sg	15:06.12	0.05
MODS	39.3	43	Pg	11:15:07.95	0.14
			Sg	15:12.22	-1.07
SMOL	58.4	41	Pg	11:15:13.16	1.94
			Sg	15:18.85	-0.50
RONA	65.4	225	Pg	11:15:12.83	0.35
			Sg	15:21.18	-0.41
CONA	81.2	255	Pg	11:15:15.74	0.44
			Sg	15:25.69	-0.93
JAVC	99.7	34	Pg	11:15:20.03	1.43
			Sg	15:32.04	-0.46
KRUC	111.9	340	Pg	11:15:20.90	0.13
			Sg	15:34.18	-2.17
MPLH	115.2	156	Sg	11:15:35.68	-1.74
VRAC	134.6	350	Sn	11:15:40.89	-2.30

311.

2024-03-05 time: 12:01:04.02 UTC ML= 1.2  
 lat: 48.650N lon: 20.166E h= 0.0 km  
 erh= 2.7km erz= 610km  
 nr= 6 gap=171 rms=0.35  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	30.0	128	Pg	12:01:09.29	-0.08
			Sg	01:13.32	-0.22
LANS	75.7	317	Pg	12:01:17.90	0.37
			Sg	01:27.38	-0.69
PSZ	83.8	194	Pg	12:01:19.30	0.32
			Sg	01:30.23	-0.41

312.

2024-03-05 time: 13:37:39.41 UTC ML= 0.6  
 lat: 47.877N lon: 16.094E h= 0.0 km  
 erh= 2.3km erz= 3.9km  
 nr= 6 gap=133 rms=0.94  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.2	288	Pg	13:37:42.87	0.20
			Sg	37:45.96	0.75
RONA	24.9	142	Pg	13:37:44.46	0.60
			Sg	37:47.77	0.43
ARSA	81.9	212	Sg	13:38:04.22	-1.21
KRUC	133.6	10	Sn	13:38:19.22	-2.36

313.

2024-03-05 time: 21:46:22.99 UTC ML= 1.8  
 lat: 45.931N lon: 17.167E h= 19.8 km  
 erh= 2.4km erz= 3.1km  
 nr= 20 gap=172 rms=0.57  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	67.1	333	P*	21:46:35.33	0.23
			S*	46:45.14	0.60
KOVH	74.4	76	P*	21:46:36.36	0.16
			S*	46:46.23	-0.28
PKSV	84.4	93	P*	21:46:37.62	-0.11
			S*	46:48.93	-0.29
KOGS	91.2	309	P*	21:46:38.57	-0.19
			S*	46:49.91	-1.14
PTJ	93.8	268	P*	21:46:38.86	-0.30
			S*	46:51.02	-0.76
PKSM	118.3	75	Pn	21:46:41.82	-0.43
			Sn	46:57.15	-0.12
MORH	118.6	75	Pn	21:46:41.62	-0.67

## Földrengés paraméterek

## Hypocenter Parameters

			Sn	46:57.15	-0.20
PKB4	127.5	60	Pn	21:46:44.03	0.63
			Sn	46:59.36	0.05
CRES	133.2	265	Pn	21:46:46.36	2.25
			Sn	47:01.21	0.62
MPLH	140.7	12	Sn	21:47:02.51	0.27
PKB5	141.7	59	Pn	21:46:46.27	1.10

314.

2024-03-06 time: 1:39:30.51 UTC ML=-0.2  
 lat: 47.283N lon: 18.218E h= 5.1 km  
 erh= 5.7km erz= 7.8km  
 nr= 6 gap=212 rms=0.11  
 Locality: Kincsesbánya  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	9.5	20	Pg	1:39:32.52	0.08
			Sg	39:33.87	-0.07
PKST	14.1	259	Pg	1:39:33.08	-0.11
			Sg	39:35.33	0.04
PKSG	17.8	47	Pg	1:39:33.95	0.13
			Sg	39:36.24	-0.17

315.

2024-03-06 time: 6:33:19.09 UTC ML= 1.8  
 lat: 45.912N lon: 17.156E h= 17.4 km  
 erh= 2.4km erz= 2.8km  
 nr= 13 gap=174 rms=0.43  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	68.6	335	P*	6:33:32.14	0.49
			S*	33:41.01	-0.43
KOVH	75.7	75	P*	6:33:32.52	-0.20
			S*	33:43.16	-0.20
PKSV	85.1	92	S*	6:33:45.36	-0.55
KOGS	91.8	310	P*	6:33:35.35	0.17
			S*	33:46.88	-0.86
PTJ	93.0	269	S*	6:33:47.28	-0.76
PKSM	119.7	74	Pn	6:33:39.21	0.38
			Sn	33:54.32	0.10
MORH	120.0	74	Sn	6:33:54.40	0.11
PKB4	129.2	60	Sn	6:33:56.83	0.49
CRES	132.3	266	Sn	6:33:57.49	0.47

316.

2024-03-06 time: 8:17:50.44 UTC ML= 1.5  
 lat: 48.618N lon: 20.772E h= 0.0 km  
 erh= 6.7km erz= 756km  
 nr= 6 gap=261 rms=0.45  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.0	235	Pg	8:17:55.48	0.40
			Sg	17:59.20	0.50
ABAH	49.8	136	Pg	8:17:59.35	0.02
			Sg	18:06.68	0.41
PSZ	101.5	220	Pg	8:18:08.01	-0.56
			Sg	18:22.01	-0.70

317.

2024-03-06 time: 9:30:28.71 UTC ML= 2.0  
 lat: 46.821N lon: 17.337E h= 0.0 km  
 erh= 2.0km erz= 932km  
 nr= 21 gap=116 rms=0.84  
 Locality: Lesencefalú  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.7	22	Pg	9:30:35.10	-1.06
			Sg	30:40.51	-1.46
TIH	43.3	78	Sg	9:30:43.14	0.67
EGYH	66.2	360	Sg	9:30:49.48	-0.28
PKST	71.9	47	Pg	9:30:42.83	1.27
			Sg	30:50.72	-0.85
PKS9	76.6	110	Sg	9:30:52.57	-0.49
CSKK	92.4	49	Pg	9:30:46.23	1.01
			Sg	30:58.60	0.51
KOGS	93.0	243	Pg	9:30:45.92	0.60
			Sg	30:57.21	-1.07
KOVH	100.4	144	Pg	9:30:47.93	1.29
			Sg	31:01.08	0.46
PKSG	102.0	52	Pg	9:30:47.01	0.07
			Sg	31:01.08	-0.07
MORH	120.8	124	Pg	9:30:50.72	0.43
			Sg	31:06.03	-1.08
PKSM	120.9	124	Pg	9:30:49.94	-0.36
			Sg	31:06.03	-1.10
PKSV	125.4	146	Pg	9:30:50.41	-0.69
			Sg	31:07.73	-0.83

318.

2024-03-06 time: 9:57:01.16 UTC ML= 1.7  
 lat: 48.583N lon: 17.528E h= 0.0 km  
 erh= 1.5km erz= 1.5km  
 nr= 17 gap=197 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	10.6	224	Pg	9:57:03.40	0.35
			Sg	57:05.10	0.57
MODS	29.7	219	Pg	9:57:06.64	0.17
			Sg	57:11.28	0.67
JAVC	32.5	19	Pg	9:57:07.13	0.17
			Sg	57:11.46	-0.02
ZST	53.3	216	Sg	9:57:17.93	-0.17
KRUC	98.8	303	Pg	9:57:19.50	0.70
			Sg	57:32.16	-0.39
VRAC	105.8	320	Pg	9:57:19.89	-0.16
			Sg	57:34.19	-0.60
MORC	132.8	0	Pn	9:57:25.14	0.39
			Sn	57:40.92	-2.23
RONA	134.3	223	Pn	9:57:24.22	-0.72
			Sn	57:42.20	-1.29
CONA	143.5	240	Pn	9:57:25.82	-0.27
			Sn	57:44.93	-0.61

319.

2024-03-06 time: 12:22:02.05 UTC ML= 2.2  
 lat: 45.929N lon: 16.072E h= 10.0 km  
 erh= 1.4km erz= 1.1km  
 nr= 30 gap= 63 rms=0.56  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	9.4	250	Pg	12:22:03.97	-0.52
			Sg	22:06.10	-0.30
ZAG	12.6	209	Pg	12:22:04.53	-0.39
			Sg	22:07.41	0.25
GCIS	35.1	259	iPg	12:22:08.60	0.03
			iSg	22:13.77	0.11
GOLS	35.9	285	iPg	12:22:09.51	0.82
			iSg	22:14.39	0.51
CESS	47.4	276	iPg	12:22:11.37	0.67
			iSg	22:18.02	0.56
CRES	49.1	257	Pg	12:22:10.69	-0.30
			Sg	22:17.92	-0.05
KOGS	59.4	13	Pg	12:22:13.31	0.51

### Hypocenter Parameters

		Sg	22:20.96	-0.23	
GROS	73.8	323	Pg	12:22:14.88	-0.46
		Sg	22:25.04	-0.66	
BEHE	81.1	42	Pg	12:22:16.35	-0.29
		Sg	22:27.95	-0.07	
PKDS	84.5	280	ePg	12:22:17.15	-0.09
		iSg	22:28.06	-1.03	
PERS	107.7	317	Pn	12:22:20.86	-0.37
		Sn	22:34.57	-1.63	
SOKA	115.5	316	Pn	12:22:22.18	-0.03
		Sn	22:36.63	-1.30	
OBKA	134.1	299	Pn	12:22:25.66	1.14
		Sn	22:42.48	0.43	
ARSA	152.9	344	Sn	12:22:47.84	1.62
BLY	157.4	146	Sn	12:22:47.20	-0.03
KOVH	158.1	84	Sn	12:22:47.69	0.31
RONA	197.7	5	Pn	12:22:33.30	0.85

320.

2024-03-07 time: 0:55:05.78 UTC ML= 2.5  
lat: 45.864N lon: 16.006E h= 10.0 km  
erh= 1.8km erz= 1.1km  
nr= 54 gap= 54 rms=0.96  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	4.0	193	PgD	0:55:07.49	-0.22
			Sg	55:09.10	-0.12
PTJ	5.4	317	Pg	0:55:07.41	-0.41
			Sg	55:09.65	0.25
GCIS	29.4	271	iPg	0:55:11.52	0.20
			iSg	55:15.53	-0.11
GOLS	33.7	299	iPg	0:55:12.51	0.44
CRES	42.8	264	Pg	0:55:13.56	-0.08
			Sg	55:20.21	0.45
DOBS	52.3	307	iPg	0:55:15.50	0.22
			eSg	55:22.32	-0.37
KOGS	67.6	16	Pg	0:55:17.83	-0.15
			Sg	55:26.43	-1.07
BOJS	71.1	236	iPg	0:55:18.06	-0.53
			eSg	55:27.94	-0.65
GROS	76.9	330	Pg	0:55:19.26	-0.37
			Sg	55:29.52	-0.91
BEHE	89.8	41	Pg	0:55:22.73	0.81
			Sg	55:33.32	-1.19
PERS	109.8	321	Pn	0:55:24.80	-0.42
			Sn	55:38.33	-2.05
SOKA	117.5	320	Pn	0:55:25.53	-0.65
			Sn	55:41.23	-0.86
OBKA	133.4	303	Pn	0:55:29.21	1.05
			Sn	55:45.01	-0.61
BLY	154.6	143	Pn	0:55:30.95	0.14
			Sn	55:47.57	-2.77
ARSA	158.5	347	Pn	0:55:33.42	2.13
			Sn	55:51.90	0.71
KOVH	164.2	81	Pn	0:55:31.07	-0.94
			Sn	55:49.61	-2.85
PKSV	174.4	89	Pn	0:55:32.39	-0.89
			Sn	55:51.46	-3.27
TRI	175.2	264	Pn	0:55:33.98	0.61
			Sn	55:56.00	1.11
MPLH	186.9	39	Pn	0:55:37.27	2.44
PKS9	192.9	65	Pn	0:55:37.48	1.90
EGYH	200.3	30	Pn	0:55:36.90	0.40
			Sn	56:00.59	0.12
MYKA	201.2	295	Pn	0:55:37.93	1.31
			Sn	56:01.01	0.34
PKSM	207.7	79	Pn	0:55:39.79	2.37
MORH	208.0	79	Pn	0:55:36.03	-1.43
PKB4	212.6	71	Pn	0:55:40.86	2.82
PKST	219.6	45	Pn	0:55:38.78	-0.14
WINA	249.4	1	Pn	0:55:43.81	1.18
			Sn	56:10.12	-1.25

### Földrengés paraméterek

PKB3	254.2	76	Pn	0:55:42.79	-0.43
MOA	257.5	329	Pn	0:55:44.11	0.47
			Sn	56:12.87	-0.29
BIOA	271.9	318	Pn	0:55:46.18	0.75
			Sn	56:17.54	1.17
ABTA	286.5	290	Pn	0:55:47.76	0.51
			Sn	56:21.09	1.50
LESA	308.2	304	Pn	0:55:51.56	1.59*
			Sn	56:24.43	0.00*
ABNA	315.0	352	Pn	0:55:52.18	1.38*
			Sn	56:24.75	-1.17*
KHC	406.6	333	ePn	0:56:03.30	1.07*
			eSn	56:44.60	-1.67*

321.

2024-03-07 time: 0:58:24.12 UTC ML= 3.1  
lat: 45.848N lon: 16.039E h= 10.0 km  
erh= 1.2km erz= 0.7km  
nr= 58 gap= 94 rms=0.60  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	4.1	239	PgD	0:58:26.25	0.20
			Sg	58:28.02	0.47
PTJ	8.5	312	Pg	0:58:26.17	-0.29
			Sg	58:27.50	-0.80
GCIS	32.1	274	iPg	0:58:30.30	0.19
			iSg	58:34.33	-0.46
GOLS	36.9	299	iPg	0:58:30.99	0.04
CRES	45.3	267	Pg	0:58:32.29	-0.12
			Sg	58:39.48	0.61
DOBS	55.4	307	iPg	0:58:34.26	0.08
KOGS	68.7	14	Pg	0:58:36.36	-0.15
			Sg	58:45.15	-1.02
BOJS	72.3	238	iPg	0:58:36.78	-0.37
			eSg	58:46.56	-0.75
GROS	79.8	329	PgD	0:58:38.06	-0.41
BEHE	89.5	39	Pg	0:58:41.26	1.06
			Sg	58:53.52	0.77
PERS	112.8	321	PnD	0:58:43.37	-0.57
			Sn	58:57.07	-2.34
SOKA	120.5	320	Pn	0:58:44.52	-0.39
			Sn	59:00.10	-1.02
OBKA	136.5	303	Pn	0:58:47.51	0.61
			Sn	59:03.84	-0.83
BLY	151.6	144	Pn	0:58:49.37	0.59
ARSA	160.8	346	Pn	0:58:50.45	0.52
KOVH	161.9	81	Pn	0:58:49.49	-0.57
			Sn	59:10.48	0.18
PKSV	171.9	89	Pn	0:58:50.71	-0.60
			Sn	59:10.30	-2.21
TRI	177.6	265	Pn	0:58:52.67	0.65
			Sn	59:14.65	0.86
TIH	184.4	51	Pn	0:58:55.24	2.37
MPLH	186.7	38	Pn	0:58:52.94	-0.21
			Sn	59:15.64	-0.16
PKS9	191.3	65	Pn	0:58:54.11	0.38
EGYH	200.5	30	Pn	0:58:55.45	0.57
			Sn	59:18.93	0.06
MYKA	204.3	295	Pn	0:58:56.30	0.95
			Sn	59:20.61	0.89
PKSM	205.5	79	Pn	0:58:54.93	-0.56
PKST	219.1	44	Pn	0:58:57.02	-0.17
CONA	231.6	357	Sn	0:59:25.88	0.10
PKB1	236.2	64	Pn	0:58:58.69	-0.64
KBA	248.1	303	Pn	0:59:02.17	1.36
			Sn	59:29.30	-0.13
PKSG	248.8	46	Pn	0:59:00.78	-0.11
WINA	251.2	1	Pn	0:59:02.50	1.31
			Sn	59:30.50	0.39
PKB3	252.1	75	Pn	0:59:00.68	-0.63
PKS2	255.3	74	Pn	0:59:01.93	0.22
MOA	260.4	329	Pn	0:59:04.08	1.74

**Földrengés paraméterek**

**Hypocenter Parameters**

			Sn	59:32.42	0.27
ZST	273.3	17	ePn	0:59:04.10	0.15
BIOA	275.0	318	Pn	0:59:06.49	2.33
			Sn	59:35.57	0.17
SRO	279.0	38	ePn	0:59:04.50	-0.16
ABTA	289.6	290	Pn	0:59:07.64	1.66
			Sn	59:39.62	0.99
LESA	311.4	304	Pn	0:59:09.90	1.19*
			Sn	59:43.23	-0.26*
ABNA	317.1	352	Pn	0:59:10.69	1.28*
			Sn	59:44.13	-0.62*
WTTA	372.5	295	Pn	0:59:18.45	2.13*
			Sn	59:59.18	2.13*
WATA	379.9	296	Pn	0:59:19.61	2.37*
			Sn	59:58.71	0.03*
TREC	385.5	354	ePn	0:59:19.40	1.46*
SQTA	400.8	292	Pn	0:59:21.97	2.12*
			Sn	1:00:04.42	1.11*
KHC	409.4	333	ePn	0:59:22.30	1.38*
MOTA	413.2	294	Pn	0:59:21.26	-0.14*
			Sn	1:00:07.89	1.82*
FETA	428.5	288	Pn	0:59:25.61	2.31*
			Sn	1:00:11.41	1.95*
RETA	443.0	294	Pn	0:59:26.45	1.33*
			Sn	1:00:13.32	0.62*
KECS	446.6	49	ePn	0:59:26.80	1.24*
DAVA	498.6	289	Pn	0:59:31.11	-0.93*
			Sn	1:00:25.11	0.09*
DPC	501.0	2	ePn	0:59:33.40	1.05*

322.

2024-03-07 time: 1:07:02.04 UTC ML= 1.5  
 lat: 45.892N lon: 16.039E h= 10.0 km  
 erh= 2.1km erz= 1.2km  
 nr= 10 gap=192 rms=0.35  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.4	278	Pg	1:07:04.28	0.12
			Sg	07:05.58	-0.23
ZAG	7.8	207	Pg	1:07:04.24	-0.07
			Sg	07:05.78	-0.29
CRES	45.8	261	Pg	1:07:10.83	0.42
			Sg	07:16.96	0.02
KOGS	64.0	15	Sg	1:07:22.65	0.03
GROS	75.7	327	Sg	1:07:25.34	-0.96
PERS	109.1	319	Sn	1:07:36.05	-0.45
SOKA	116.9	318	Sn	1:07:38.83	0.61

323.

2024-03-07 time: 7:43:30.72 UTC ML= 1.2  
 lat: 48.054N lon: 20.733E h= 0.0 km  
 erh= 4.0km erz= \*\*\*km  
 nr= 7 gap=126 rms=0.71  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.3	54	Pg	7:43:39.44	0.44
			Sg	43:46.23	0.78
KECS	51.1	339	Pg	7:43:39.87	0.02
			Sg	43:46.00	-0.98
PSZ	64.3	256	Pg	7:43:42.21	0.00
			Sg	43:51.54	0.37
LTVH	115.0	130	Sg	7:44:04.77	-2.49

324.

2024-03-07 time: 8:07:38.51 UTC ML= 1.4  
 lat: 45.886N lon: 16.046E h= 8.1 km  
 erh= 1.1km erz= 1.0km  
 nr= 5 gap=290 rms=0.06  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	7.0	283	Pg	8:07:40.48	0.06
			Sg	07:41.83	-0.09
ZAG	7.5	212	Pg	8:07:40.43	-0.06
			Sg	07:42.08	0.05
CRES	46.2	262	Sg	8:07:53.46	0.03

325.

2024-03-07 time: 8:45:52.10 UTC ML= 1.6  
 lat: 48.578N lon: 20.778E h= 0.0 km  
 erh= 4.2km erz= 500km  
 nr= 6 gap=248 rms=0.29  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.0	244	Pg	8:45:56.25	-0.14
			Sg	46:00.08	0.34
ABAH	46.3	133	Pg	8:46:00.78	0.41
			Sg	46:06.54	-0.28
PSZ	98.4	222	Pg	8:46:09.36	-0.31
			Sg	46:23.47	0.09

326.

2024-03-07 time: 9:09:33.58 UTC ML= 1.7  
 lat: 48.692N lon: 21.453E h= 0.0 km  
 erh= 3.0km erz= 7.1km  
 nr= 10 gap=112 rms=0.77  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.8	200	Pg	9:09:42.42	0.48
			Sg	09:47.84	-0.62
KOLS	65.9	66	Sg	9:09:53.40	-1.14
KECS	75.0	252	Pg	9:09:47.29	0.31
			Sg	09:56.95	-0.49
TRPA	101.8	128	Pg	9:09:52.48	0.71
			Sg	10:04.76	-1.19
NIE	116.1	314	Pg	9:09:55.18	0.87
			Sg	10:08.55	-1.92
PSZ	144.1	233	Pn	9:09:58.51	-0.08

327.

2024-03-07 time: 9:30:06.24 UTC ML= 1.5  
 lat: 48.510N lon: 17.499E h= 0.0 km  
 erh= 1.5km erz= 329km  
 nr= 7 gap=209 rms=0.22  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.2	274	Pg	9:30:06.87	-0.31
			Sg	30:07.81	-0.10
MODS	22.4	227	Pg	9:30:10.18	-0.06
			Sg	30:13.74	0.38
JAVC	40.8	18	Pg	9:30:13.66	0.13
			Sg	30:19.11	-0.10
KRUC	101.7	307	Sg	9:30:38.87	0.30

## Hypocenter Parameters

## Földrengés paraméterek

328.

2024-03-07 time: 10:26:37.18 UTC ML= 0.9  
 lat: 47.168N lon: 18.338E h= 0.0 km  
 erh= 2.2km erz= 706km  
 nr= 10 gap=158 rms=0.56  
 Locality: Sárszentmihály  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	22.5	345	Pg	10:26:41.39	0.19
			Sg	26:43.56	-0.77
PKST	25.1	294	Pg	10:26:41.78	0.11
			Sg	26:44.06	-1.11
PKSG	25.2	9	Pg	10:26:42.24	0.55
			Sg	26:44.76	-0.44
MPLH	60.5	270	Pg	10:26:48.29	0.30
			Sg	26:57.44	1.02
MORH	108.4	168	Sg	10:27:10.85	-0.79
PKSM	108.8	168	Sg	10:27:11.39	-0.37

329.

2024-03-07 time: 11:21:56.28 UTC ML= 1.9  
 lat: 46.102N lon: 21.730E h= 0.0 km  
 erh= 5.1km erz= 7.2km  
 nr= 9 gap=215 rms=0.83  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	49.3	142	Pg	11:22:05.72	0.63
			Sg	22:11.94	-0.02
BZS	54.7	189	PgU	11:22:05.81	-0.24
			Sg	22:12.68	-0.98
DRGR	107.5	45	Pg	11:22:15.62	0.14
			Sg	22:28.61	-1.84
GZR	113.3	134	Pg	11:22:17.53	1.02
			Sg	22:30.89	-1.41
CJR	158.9	65	Sn	11:22:44.90	0.83

330.

2024-03-07 time: 11:33:25.17 UTC ML= 2.4  
 lat: 45.887N lon: 16.028E h= 10.0 km  
 erh= 1.6km erz= 1.1km  
 nr= 25 gap=103 rms=0.57  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.6	285	PgD	11:33:26.94	-0.28
			Sg	33:28.21	-0.61
ZAG	6.9	202	PgD	11:33:27.14	-0.20
			Sg	33:28.68	-0.36
GCIS	31.2	266	iPg	11:33:31.18	0.16
			iSg	33:35.62	0.04
GOLS	34.2	294	iPg	11:33:32.50	0.97
			iSg	33:36.64	0.14
CRES	44.9	261	Pg	11:33:33.56	0.18
			Sg	33:39.80	0.02
DOBS	52.2	304	iPg	11:33:35.24	0.57
KOGS	64.7	15	Pg	11:33:37.12	0.25
			Sg	33:46.08	0.09
BOJS	73.9	235	iPg	11:33:38.43	-0.06
GROS	75.7	328	Pg	11:33:38.60	-0.20
			Sg	33:48.66	-0.78
BEHE	86.8	42	Sg	11:33:53.34	0.39
PERS	109.0	320	Pn	11:33:44.46	-0.05
			Sn	33:57.54	-2.06
SOKA	116.7	319	Pn	11:33:44.56	-0.92
OBKA	133.5	301	Sn	34:00.37	-0.95
			Pn	11:33:48.93	1.36
BLY	155.6	144	Sn	34:04.56	-0.49
			Pn	11:34:09.95	0.01

ARSA 156.5 346 Sn 11:34:12.56 2.42  
 TRI 177.1 264 Sn 11:34:17.83 3.10\*

331.

2024-03-07 time: 11:45:28.55 UTC ML= 1.5  
 lat: 45.866N lon: 16.047E h= 10.0 km  
 erh= 2.7km erz= 1.6km  
 nr= 8 gap=211 rms=0.31  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	5.8	225	Pg	11:45:30.48	-0.14
			Sg	45:32.54	0.31
PTJ	7.8	299	Pg	11:45:31.19	0.37
			Sg	45:32.46	-0.13
CRES	46.0	264	Sg	11:45:43.64	0.11
KOGS	66.6	14	Sg	11:45:49.96	0.01
GROS	78.4	328	Pg	11:45:42.12	-0.54
ARSA	159.0	345	Sn	11:46:14.43	0.34

332.

2024-03-07 time: 11:56:12.17 UTC ML= 1.7  
 lat: 47.326N lon: 17.647E h= 0.0 km  
 erh= 1.8km erz= 656km  
 nr= 14 gap= 87 rms=0.56  
 Locality: Bakonykoppány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	19.1	205	Pg	11:56:15.54	-0.05
			Sg	56:17.55	-0.70
EGYH	25.9	293	Pg	11:56:16.97	0.17
			Sg	56:19.68	-0.73
PKST	30.2	104	Pg	11:56:18.21	0.64
			Sg	56:21.04	-0.73
CSKK	46.5	85	Pg	11:56:21.04	0.56
			Sg	56:25.87	-1.09
PKSG	56.6	83	Pg	11:56:22.40	0.11
			Sg	56:28.20	-1.98
SRO	73.8	43	Pg	11:56:25.33	-0.03
PKB1	105.8	125	Pg	11:56:31.58	0.52
RONA	109.9	292	Pg	11:56:32.31	0.50
MODS	119.8	347	Pg	11:56:32.96	-0.60

333.

2024-03-07 time: 12:25:20.17 UTC ML= 2.1  
 lat: 45.942N lon: 16.115E h= 10.0 km  
 erh= 1.5km erz= 1.1km  
 nr= 20 gap=133 rms=0.42  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	13.1	249	Pg	12:25:23.03	-0.08
			Sg	25:25.10	-0.31
ZAG	15.7	217	Pg	12:25:23.46	-0.04
			Sg	25:26.42	0.33
GCIS	38.8	258	iPg	12:25:27.23	-0.09
			eSg	25:32.97	0.07
GOLS	38.8	281	iPg	12:25:27.65	0.32
CRES	52.7	256	Pg	12:25:29.88	0.12
			Sg	25:36.74	-0.49
DOBS	55.1	295	iPg	12:25:30.69	0.52
KOGS	57.2	10	Sg	12:25:38.59	-0.05
GROS	74.7	321	Pg	12:25:33.51	-0.11
			Sg	25:43.73	-0.39
BEHE	77.7	41	Sg	12:25:45.10	0.01
PERS	109.0	315	Pn	12:25:39.11	-0.41
			Sn	25:54.14	-0.47
SOKA	116.8	314	Pn	12:25:41.56	1.06
			Sn	25:55.12	-1.23

## Földrengés paraméterek

## Hypocenter Parameters

ARSA 152.4 343 Sn 12:26:06.28 2.04\*  
KOVH 154.5 84 Sn 12:26:04.46 -0.26

337.

334.

2024-03-07 time: 14:22:58.06 UTC ML= 1.6  
lat: 45.882N lon: 16.004E h= 3.5 km  
erh= 1.5km erz= 2.3km  
nr= 9 gap=171 rms=0.31  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.1	299	Pg	14:22:58.74	-0.28
			Sg	23:00.15	0.38
ZAG	6.0	187	Pg	14:22:58.98	-0.31
			Sg	23:00.32	0.06
CRES	42.9	262	Pg	14:23:05.76	0.01
			Sg	23:11.90	0.15
KOGS	65.7	17	Pg	14:23:10.34	0.53
			Sg	23:19.04	0.06
GROS	75.1	329	Sg	14:23:21.51	-0.45

335.

2024-03-07 time: 21:11:17.85 UTC ML= 1.6  
lat: 45.898N lon: 16.010E h= 2.4 km  
erh= 3.5km erz= 7.5km  
nr= 9 gap=172 rms=0.72  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.0	274	Pg	21:11:18.73	0.04
			Sg	11:19.79	0.45
ZAG	7.7	189	Pg	21:11:18.85	-0.45
			Sg	11:20.03	-0.39
CRES	43.7	259	Pg	21:11:25.68	0.02
			Sg	11:31.82	0.06
KOGS	63.9	17	Pg	21:11:30.83	1.55
			Sg	11:37.55	-0.64
GROS	73.9	328	Sg	21:11:40.03	-1.32

336.

2024-03-07 time: 23:08:48.64 UTC ML= 1.9  
lat: 47.022N lon: 16.603E h= 8.6 km  
erh= 1.0km erz= 1.2km  
nr= 19 gap= 91 rms=0.39  
Locality: Körmenđ  
Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	62.8	168	Sg	23:09:08.39	-0.39
KOGS	69.3	203	Pg	23:09:01.39	0.28
			Sg	09:11.00	0.17
EGYH	70.5	52	Pg	23:09:01.50	0.18
			Sg	09:11.53	0.31
MPLH	73.0	77	Pg	23:09:01.81	0.05
			Sg	09:11.31	-0.68
RONA	78.8	343	Pg	23:09:02.52	-0.27
			Sg	09:13.48	-0.35
ARSA	85.8	287	Pg	23:09:04.21	0.18
			Sg	09:14.83	-1.20
GROS	104.8	233	Pg	23:09:07.52	0.11
			Sg	09:20.54	-1.51
PKST	111.7	76	Pn	23:09:08.30	-0.20
CONA	115.2	331	Pn	23:09:09.30	0.37
			Sn	09:24.88	0.11
PERS	121.3	249	Pn	23:09:10.23	0.54
			Sn	09:25.35	-0.77
CRES	159.5	214	Sn	23:09:34.80	0.19

2024-03-08 time: 9:17:14.41 UTC ML= 1.5  
lat: 48.398N lon: 19.548E h= 0.0 km  
erh= 2.9km erz= 6.3km  
nr= 11 gap= 94 rms=0.97  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	59.3	154	Pg	9:17:25.59	0.60
			Sg	17:33.70	0.46
KECS	70.0	82	Pg	9:17:27.78	0.87
			Sg	17:36.07	-0.60
PENC	70.4	196	Sg	9:17:36.28	-0.50
ZBNS	105.5	321	Pg	9:17:34.43	1.19
			Sg	17:47.08	-0.85
ABAH	125.9	95	Sg	9:17:52.98	-1.45
NIE	126.6	26	Pg	9:17:37.30	0.28
			Sg	17:52.66	-2.00
JAVC	147.6	290	Sn	9:17:58.19	-1.49

338.

2024-03-08 time: 9:22:45.71 UTC ML= 1.9  
lat: 48.679N lon: 18.659E h= 0.0 km  
erh= 1.9km erz= 2.6km  
nr= 20 gap= 57 rms=0.84  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZBNS	50.6	359	Pg	9:22:54.30	-0.45
			Sg	23:00.87	-0.92
JAVC	75.4	285	Pg	9:22:59.31	0.14
			Sg	23:10.73	1.06
LANS	79.2	49	Pg	9:23:00.56	0.71
SMOL	92.6	259	Sg	9:23:14.80	-0.34
SRO	99.6	195	Pg	9:23:04.47	0.97
			Sg	23:17.31	-0.07
MODS	107.5	252	Pg	9:23:05.41	0.49
			Sg	23:19.03	-0.87
PENC	109.1	155	Sg	9:23:19.34	-1.05
PSZ	124.7	133	Sg	9:23:24.35	-1.01
KECS	136.5	99	Pn	9:23:10.73	0.96
			Sn	23:27.48	-1.06
PKSG	144.5	188	Sn	9:23:28.89	-1.42
NIE	146.3	56	Pn	9:23:12.30	1.31
MORC	146.7	326	Pn	9:23:10.26	-0.78
			Sn	23:28.89	-1.90
CSKK	149.3	191	Pn	9:23:11.67	0.31
			Sn	23:30.61	-0.76

339.

2024-03-08 time: 10:45:38.42 UTC ML= 0.9  
lat: 47.677N lon: 16.082E h= 10.0 km  
erh= 2.2km erz= 7.0km  
nr= 8 gap=133 rms=0.44  
Locality: Austria  
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.3	81	PgU	10:45:42.06	0.23
			Sg	45:44.36	-0.13
CONA	32.5	329	Pg	10:45:45.03	0.54
			Sg	45:48.76	-0.46
SOP	35.7	89	Pg	10:45:45.17	0.12
WINA	47.9	359	Sg	10:45:53.17	-0.80
ARSA	63.4	222	Pg	10:45:50.04	0.15
			Sg	45:57.82	-1.01

### Hypocenter Parameters

### Földrengés paraméterek

340.

2024-03-08 time: 19:36:20.52 UTC ML= 1.9  
 lat: 45.876N lon: 16.018E h= 10.0 km  
 erh= 1.7km erz= 1.3km  
 nr= 20 gap=184 rms=0.47  
 Locality: Croatia  
 Comments:

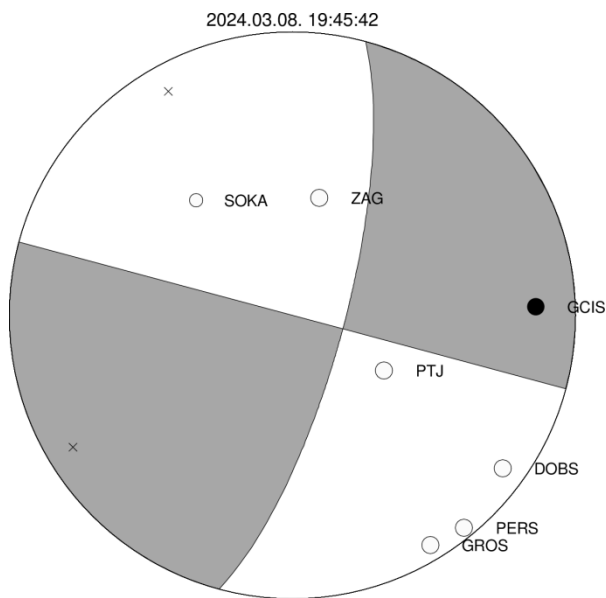
sta	dist	azm	phase	hr mn sec	res
PTJ	5.4	300	Pg	19:36:22.29	-0.26
			Sg	36:23.63	-0.50
ZAG	5.5	200	Pg	19:36:22.45	-0.11
			Sg	36:24.06	-0.09
GCIS	30.3	268	iPg	19:36:26.55	0.33
			iSg	36:30.52	-0.15
GOLS	34.0	296	iSg	19:36:32.21	0.42
			Pg	19:36:28.66	0.09
CRES	43.9	263	Sg	36:34.83	-0.01
			iSg	19:36:35.17	0.19
CESS	44.4	284	ePg	19:36:30.80	0.78
			iSg	36:37.63	0.19
DOBS	52.3	306	ePg	19:36:30.95	0.46
			eSg	36:37.53	-0.74
LEGS	55.0	278	Pg	19:36:33.14	0.69
			Sg	36:41.39	-0.38
KOGS	66.1	16	Sg	19:36:44.04	-0.94
			Pn	19:36:39.59	-0.32
GROS	76.3	328	Sn	36:52.75	-2.29*
			Pn	19:36:55.54	-1.22
PERS	109.4	321	Sn		
SOKA	117.1	320	Sn		

341.

2024-03-08 time: 19:45:42.50 UTC ML= 2.7  
 lat: 45.878N lon: 16.011E h= 8.1 km  
 erh= 1.2km erz= 0.8km  
 nr= 69 gap= 54 rms=0.69  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.8	301	PgD	19:45:44.08	-0.09
			Sg	45:45.43	-0.05
ZAG	5.6	193	PgD	19:45:44.27	0.02
			Sg	45:46.03	0.41
GCIS	29.8	268	iPgC	19:45:48.29	0.28
			iSg	45:52.32	0.01
GOLS	33.4	296	iPg	19:45:48.95	0.31
			iSg	45:53.60	0.18
CRES	43.4	262	Pg	19:45:50.36	-0.02
			Sg	45:56.95	0.42
CESS	43.8	284	iPg	19:45:51.36	0.91
			iSg	45:56.88	0.23
DOBS	51.7	306	iPgD	19:45:52.20	0.36
			iSg	45:59.41	0.28
LEGS	54.3	278	iPg	19:45:52.59	0.28
			iSg	45:59.31	-0.65
KOGS	66.0	16	Pg	19:45:54.45	0.07
			Sg	46:03.07	-0.58
BOJS	72.2	235	iPg	19:45:54.73	-0.75
			eSg	46:03.94	-1.66
GROS	75.8	329	PgD	19:45:56.00	-0.11
			Sg	46:05.39	-1.34
PDKS	81.1	285	iPg	19:45:57.12	0.06
			Pg	19:45:59.59	1.23
BEHE	88.5	42	iPg	19:45:58.50	-0.38
			ePg	19:45:59.87	-0.21
VISS	91.4	265	ePg	19:45:59.87	-0.21
			eSg	46:11.91	-1.88
ZAVS	98.1	309	eSg	46:11.91	-1.88
			iPg	19:45:59.84	-0.78
GBRS	101.1	248	iPg	19:45:59.84	-0.78
			ePg	19:46:01.25	0.04
VNDS	104.5	284	PgD	19:46:01.29	-0.70
			Sg	46:15.37	-1.83
PERS	108.9	321	iPn	19:46:03.85	0.82
			Sn	46:17.43	-1.61
LJU	116.5	279	PnD	19:46:02.60	-0.44
SOKA	116.6	320	PnD		

			Sn	46:17.41	-1.65
GBAS	121.9	273	ePn	19:46:03.20	-0.50
			eSn	46:18.75	-1.48
CEY	124.1	263	iPn	19:46:04.77	0.79
MOZS	129.8	291	iPn	19:46:05.00	0.32
			iSn	46:22.34	0.35
KNDS	132.8	253	iPn	19:46:05.79	0.73
			eSn	46:22.98	0.32
OBKA	132.9	302	Pn	19:46:05.55	0.48
			Sn	46:21.95	-0.73
CRNS	137.4	279	ePn	19:46:06.21	0.57
			eSn	46:23.89	0.20
JAVS	151.1	271	ePn	19:46:08.07	0.73
			eSn	46:27.75	1.03
BLY	155.6	144	Pn	19:46:07.20	-0.70
			Sn	46:27.57	-0.15
ARSA	157.1	346	Pn	19:46:09.95	1.86
			Pn	19:46:08.31	-0.59
KOVH	163.6	82	Sn	46:30.38	0.89
			Pn	19:46:09.13	-1.07
PKSV	174.0	90	Sn	46:33.53	1.72
			Sn	19:46:32.36	0.18
TRI	175.7	264	Pn	19:46:32.36	0.18
			Pn	19:46:11.60	-0.03
MPLH	185.5	39	Sn	46:33.53	-0.82
			Sn	19:46:39.72	3.94*
PKS9	191.9	66	Sn	19:46:37.11	-0.20
			Sn	19:46:37.11	-0.20
EGYH	198.8	31	Pn	19:46:13.00	-1.31
			Pn	19:46:13.49	-0.86
PKSM	207.0	80	Pn	19:46:13.49	-0.86
			Pn	19:46:16.49	0.77
MORH	207.3	80	Pn	19:46:13.49	-0.86
			Pn	19:46:16.49	0.77
PKST	218.3	45	Pn	19:46:16.49	0.77
			Sn	19:46:44.17	0.33
CONA	228.2	357	Pn	19:46:44.17	0.33
			Pn	19:46:20.42	1.00
WINA	247.9	1	Sn	46:48.92	0.71
			Pn	19:46:21.97	1.49
MOA	256.4	329	Sn	46:49.57	-0.52
			Pn	19:46:25.77	1.57
ABTA	286.3	290	Pn	19:46:25.10	-0.02
			Pn	19:46:25.10	-0.02
MODS	293.6	19	Pn	19:46:27.53	0.66*
			Pn	47:01.62	0.14*
LESA	307.7	304	Sn		



342.

2024-03-09 time: 2:27:13.59 UTC ML= 1.9  
 lat: 45.905N lon: 16.023E h= 8.0 km  
 erh= 2.6km erz= 2.1km  
 nr= 18 gap=152 rms=0.75  
 Locality: Croatia  
 Comments:



## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PTJ	5.0	264	PgD	2:27:15.34	0.06
			Sg	27:16.40	-0.20
ZAG	8.7	195	Pg	2:27:15.41	-0.30
			Sg	27:16.87	-0.49
GCIS	31.0	262	iPg	2:27:19.45	0.14
CRES	44.8	259	Pg	2:27:21.78	0.06
			Sg	27:27.56	-0.50
DOBS	50.8	302	iPg	2:27:23.74	0.97
KOGS	62.9	16	Pg	2:27:25.71	0.79
			Sg	27:34.04	0.29
GROS	73.7	327	Sg	2:27:36.83	-0.34
BEHE	85.6	43	Pg	2:27:28.39	-0.56
			Sg	27:40.01	-0.91
PERS	107.1	319	Sg	2:27:46.23	-1.52
SOKA	114.9	318	Sn	2:27:48.19	-1.61
OBKA	132.1	301	Pn	2:27:37.66	1.58
			Sn	27:53.82	0.21
ARSA	154.4	346	Sn	2:28:01.08	2.52

343.

2024-03-11 time: 7:33:43.62 UTC ML= 1.3  
 lat: 48.058N lon: 20.707E h= 0.0 km  
 erh= 3.5km erz= 663km  
 nr= 5 gap=199 rms=0.30  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.7	56	Sg	7:33:58.52	-0.25
KECS	50.1	341	Pg	7:33:52.73	0.17
			Sg	33:59.38	-0.15
PSZ	62.6	256	Pg	7:33:55.07	0.28
			Sg	34:02.90	-0.61

344.

2024-03-11 time: 7:45:36.45 UTC ML= 1.4  
 lat: 45.891N lon: 16.060E h= 5.8 km  
 erh= 0.5km erz= 0.6km  
 nr= 5 gap=300 rms=0.03  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	8.0	277	Pg	7:45:38.17	-0.04
			Sg	45:39.61	0.02
ZAG	8.6	217	Pg	7:45:38.33	0.03
			Sg	45:39.73	-0.01
CRES	47.4	261	Sg	7:45:51.64	0.01

345.

2024-03-11 time: 8:48:21.36 UTC ML= 1.9  
 lat: 48.810N lon: 16.145E h= 3.4 km  
 erh= 1.7km erz= 1.8km  
 nr= 24 gap=125 rms=0.65  
 Locality: Czechia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KRUC	33.4	33	PgU	8:48:27.32	-0.05
			Sg	48:31.96	-0.09
ABNA	54.6	253	Pg	8:48:31.34	0.20
			Sg	48:38.05	-0.71
VRAC	64.4	31	PgD	8:48:32.51	-0.36
			Sg	48:40.76	-1.09
WINA	78.3	184	Pg	8:48:35.63	0.26
			Sg	48:45.38	-0.91
MODS	96.6	120	Pg	8:48:39.19	0.56
			Sg	48:51.93	-0.16
CONA	100.3	192	Pg	8:48:39.19	-0.09
			Sg	48:52.55	-0.71
JAVC	112.1	87	Pg	8:48:42.06	0.66

sta	dist	azm	phase	hr mn sec	res
RONA	124.0	175	PnD	8:48:43.08	-0.35
			Sn	48:58.80	-1.84
SOP	129.0	166	Pn	8:48:44.29	0.24
MORC	148.0	43	PnU	8:48:46.61	0.19
			Sn	49:04.78	-1.18
KRLC	148.1	18	Pn	8:48:46.28	-0.15
			Sn	49:06.66	0.67
MOA	175.6	233	Pn	8:48:50.99	1.13
			Sn	49:12.62	0.53
ARSA	179.5	195	Pn	8:48:52.24	1.89
			Sn	49:15.66	2.70*

346.

2024-03-11 time: 8:50:36.40 UTC ML= 1.7  
 lat: 48.632N lon: 21.451E h= 0.0 km  
 erh= 2.6km erz= 4.8km  
 nr= 12 gap= 78 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	40.5	203	Pg	8:50:44.84	1.21
			Sg	50:50.04	0.78
KOLS	69.1	61	Pg	8:50:49.37	0.62
			Sg	50:57.54	-0.83
KECS	73.1	257	Pg	8:50:49.87	0.41
			Sg	50:58.06	-1.59
STHS	88.6	350	Sg	8:51:03.83	-0.74
TRPA	98.0	125	Pg	8:50:53.53	-0.38
			Sg	51:06.55	-1.01
NIE	120.8	316	Pg	8:50:58.99	1.02
PSZ	140.1	236	Pn	8:51:00.41	-0.50
			Sn	51:18.17	-1.85

347.

2024-03-11 time: 9:30:35.95 UTC ML= 1.7  
 lat: 48.518N lon: 17.483E h= 0.0 km  
 erh= 1.5km erz= 1.4km  
 nr= 11 gap=198 rms=0.45  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.1	263	Pg	9:30:36.68	0.00
			Sg	30:37.70	0.45
MODS	22.2	223	Pg	9:30:39.98	0.07
			Sg	30:43.20	0.20
JAVC	40.3	20	Pg	9:30:43.42	0.27
			Sg	30:49.10	0.33
ZST	45.6	218	Sg	9:30:50.14	-0.31
RONA	126.9	224	Pg	9:30:58.84	0.23
CONA	137.2	241	Pn	9:30:59.75	-0.34
			Sn	31:16.38	-2.54
MORC	140.0	2	Sn	9:31:18.02	-1.53

348.

2024-03-11 time: 10:15:44.97 UTC ML= 1.6  
 lat: 48.926N lon: 21.317E h= 0.0 km  
 erh= 3.7km erz= 7.1km  
 nr= 9 gap= 97 rms=0.84  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	54.8	354	Pg	10:15:55.70	0.95
			Sg	16:00.57	-1.82
KOLS	70.1	89	Pg	10:15:57.35	-0.13
KECS	78.6	231	Pg	10:16:00.02	1.02
			Sg	16:08.20	-1.74
NIE	91.4	307	Pg	10:16:00.96	-0.34
			Sg	16:14.33	0.30
TRPA	126.4	134	Pg	10:16:07.41	-0.13

## Hypocenter Parameters

## Földrengés paraméterek

LANS 137.5 280 Sn 10:16:27.85 -0.16

349.

2024-03-11 time: 12:52:55.07 UTC ML= 1.9  
 lat: 48.361N lon: 17.353E h= 0.0 km  
 erh= 2.8km erz= 674km  
 nr= 12 gap=203 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.8	285	PgU	12:52:56.71	0.61
			Sg	52:57.34	0.44
SMOL	17.9	18	Pg	12:52:58.20	-0.07
			Sg	53:00.79	0.02
ZST	26.1	225	Pg	12:52:59.97	0.24
			Sg	53:02.45	-0.91
JAVC	60.2	23	Pg	12:53:06.22	0.40
			Sg	53:14.04	-0.16
KRUC	105.1	318	Pg	12:53:13.10	-0.74
			Sg	53:26.38	-2.10
RONA	107.7	227	Pg	12:53:14.94	0.63
CONA	120.9	247	Pg	12:53:16.10	-0.57

350.

2024-03-11 time: 13:25:48.18 UTC ML= 2.1  
 lat: 45.903N lon: 16.023E h= 7.2 km  
 erh= 1.3km erz= 1.0km  
 nr= 11 gap=179 rms=0.25  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.1	266	Pg	13:25:49.84	0.09
			Sg	25:50.90	-0.08
ZAG	8.6	195	Pg	13:25:50.00	-0.18
			Sg	25:51.41	-0.33
CRES	44.8	259	Pg	13:25:56.60	0.32
			Sg	26:02.69	0.09
KOGS	63.1	16	Sg	13:26:08.51	0.16
GROS	73.9	327	Pg	13:26:01.61	0.17
			Sg	26:11.36	-0.42
PERS	107.3	319	Sg	13:26:20.84	-1.52
SOKA	115.1	318	Sn	13:26:24.50	-0.09

351.

2024-03-12 time: 8:31:17.63 UTC ML= 1.6  
 lat: 48.530N lon: 17.460E h= 0.0 km  
 erh= 2.2km erz= 481km  
 nr= 8 gap=193 rms=0.34  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	2.9	232	Pg	8:31:17.55	-0.60
			Sg	31:18.41	-0.15
MODS	22.0	218	Pg	8:31:21.48	-0.08
			Sg	31:25.25	0.62
JAVC	39.7	23	Pg	8:31:24.62	-0.11
			Sg	31:30.44	0.18
ZST	45.6	216	Pg	8:31:26.12	0.35
KRUC	98.1	307	Sg	8:31:49.03	0.23

352.

2024-03-12 time: 9:30:39.98 UTC ML= 1.1  
 lat: 46.196N lon: 18.277E h= 0.0 km  
 erh= 0.5km erz=86.6km  
 nr= 8 gap=217 rms=0.07  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.2	229	PgU	9:30:43.23	0.01
			Sg	30:46.06	0.31
PKSM	28.2	86	Pg	9:30:45.05	0.04
			Sg	30:48.90	-0.03
MORH	28.4	86	Pg	9:30:45.03	-0.02
			Sg	30:49.12	0.11
PKSV	34.2	183	Pg	9:30:46.03	-0.06
			Sg	30:50.77	-0.09

353.

2024-03-12 time: 9:38:12.64 UTC ML= 1.6  
 lat: 46.071N lon: 22.854E h= 0.0 km  
 erh= 4.3km erz= 7.0km  
 nr= 8 gap=120 rms=0.69  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	21.3	170	Pg	9:38:16.88	0.44
			Sg	38:18.84	-0.56
DRGR	80.8	352	Pg	9:38:26.81	-0.26
			Sg	38:38.33	0.00
BZS	108.6	242	Pg	9:38:32.60	0.57
			Sg	38:45.06	-2.09
VOIR	184.8	112	Pn	9:38:43.40	0.68
			Sn	39:05.00	-1.18

354.

2024-03-12 time: 9:39:59.42 UTC ML= 1.6  
 lat: 46.036N lon: 22.839E h= 0.0 km  
 erh= 4.3km erz= 7.4km  
 nr= 10 gap=118 rms=0.93  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.7	164	Pg	9:40:03.31	0.74
			Sg	40:04.95	-0.08
SURR	63.7	241	Pg	9:40:11.92	1.13
			Sg	40:18.65	-1.01
GZR	71.6	184	Pg	9:40:12.31	0.11
			Sg	40:21.39	-0.78
DRGR	84.6	353	Sg	9:40:24.91	-1.40
BZS	105.8	244	Pg	9:40:18.88	0.57
			Sg	40:30.39	-2.66
VOIR	184.5	111	Sn	9:40:52.38	-0.50

355.

2024-03-12 time: 9:53:34.60 UTC ML= 1.6  
 lat: 48.600N lon: 20.771E h= 0.0 km  
 erh= 2.1km erz= 4.9km  
 nr= 12 gap= 86 rms=0.65  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.8	238	Pg	9:53:38.88	-0.14
			Sg	53:41.86	-0.61
ABAH	48.4	134	Pg	9:53:43.67	0.43
			Sg	53:50.35	0.37
STHS	97.2	21	Pg	9:53:53.03	1.07
			Sg	54:04.74	-0.76
PSZ	99.9	221	Pg	9:53:52.79	0.35
			Sg	54:06.15	-0.20
LANS	113.6	303	Pg	9:53:54.68	-0.20
KOLS	116.5	71	Sg	9:54:10.16	-1.46
TRPA	141.0	112	Pn	9:53:59.24	0.02
			Sn	54:16.29	-2.13

## Földrengés paraméterek

## Hypocenter Parameters

356.

2024-03-12 time: 10:09:53.22 UTC ML= 1.0  
 lat: 45.887N lon: 18.392E h= 0.0 km  
 erh= 1.1km erz= 171km  
 nr= 8 gap=243 rms=0.13  
 Locality: Palkonya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	10.8	271	Pg	10:09:55.04	-0.12
			Sg	09:56.53	-0.14
KOVH	31.8	315	Pg	10:09:59.17	0.26
			Sg	10:03.35	0.00
PKSM	41.0	28	Pg	10:10:00.60	0.06
			Sg	10:06.29	0.04
MORH	41.5	28	Pg	10:10:00.58	-0.05
			Sg	10:06.29	-0.12

357.

2024-03-12 time: 10:27:14.37 UTC ML= 0.8  
 lat: 47.178N lon: 18.299E h= 0.0 km  
 erh= 3.8km erz= \*\*\*km  
 nr= 9 gap=150 rms=0.81  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.8	352	Pg	10:27:18.44	0.36
			Sg	27:19.92	-1.06
PKST	22.0	294	Pg	10:27:18.95	0.66
			Sg	27:20.97	-0.38
PKSG	24.8	16	Pg	10:27:19.35	0.56
			Sg	27:21.28	-0.96
MORH	110.2	166	Sg	10:27:48.08	-1.30
PKSM	110.5	166	Pg	10:27:34.93	0.82
			Sg	27:48.08	-1.42

358.

2024-03-12 time: 10:59:57.41 UTC ML= 1.9  
 lat: 48.183N lon: 16.829E h= 0.0 km  
 erh= 3.7km erz= 899km  
 nr= 6 gap=136 rms=0.58  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	20.4	86	Pg	11:00:01.31	0.26
			Sg	00:02.41	-1.48
MODS	39.4	58	Pg	11:00:04.95	0.50
			Sg	00:09.48	-0.46
RONA	66.9	217	Sg	11:00:18.36	-0.32
VRAC	126.3	352	Sg	11:00:37.88	0.32

359.

2024-03-12 time: 12:31:34.15 UTC ML= 1.4  
 lat: 46.756N lon: 22.900E h= 0.0 km  
 erh= 2.1km erz= 3.1km  
 nr= 8 gap=170 rms=0.46  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	15.0	286	Pg	12:31:36.54	-0.28
			Sg	31:39.22	0.32
CJR	53.6	95	Sg	12:31:50.85	-0.33
DEV	97.0	180	Sg	12:32:04.89	-0.08
SURR	126.4	208	Pg	12:31:57.22	0.50
			Sg	32:13.66	-0.66
GZR	151.7	184	Sn	12:32:20.31	-0.04
BZS	160.8	218	Sn	12:32:24.13	1.78

360.

2024-03-12 time: 12:35:04.92 UTC ML= 2.1  
 lat: 47.343N lon: 18.403E h= 0.0 km  
 erh= 2.0km erz= 3.5km  
 nr= 27 gap= 62 rms=1.17  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.5	350	Pg	12:35:06.09	0.18
			Sg	35:06.56	-0.12
CSKK	11.0	282	Pg	12:35:07.29	0.40
			Sg	35:08.14	-0.29
PKST	29.4	252	Pg	12:35:10.86	0.69
			Sg	35:13.61	-0.66
BUD	49.4	71	Sg	12:35:20.62	0.01
PKS7	66.1	120	Pg	12:35:17.16	0.43
			Sg	35:25.81	-0.13
MPLH	68.2	254	Sg	12:35:25.26	-1.32
PENC	82.7	53	Sg	12:35:30.40	-0.82
PKS9	84.5	186	Pg	12:35:22.23	2.22
PKB4	95.3	171	Pg	12:35:23.80	1.86
			Sg	35:35.20	-0.02
PKS2	112.9	147	Sg	12:35:39.13	-1.68
PKB3	118.6	149	Sg	12:35:41.09	-1.54
MORH	126.6	172	Pg	12:35:28.36	0.83
			Sg	35:43.45	-1.71
PKSM	127.0	172	Sg	12:35:42.98	-2.31
PSZ	129.1	60	Pg	12:35:28.28	0.32
			Sg	35:44.24	-1.70
KOVH	141.4	189	Sn	12:35:48.09	-0.72
MODS	142.3	324	Pn	12:35:30.33	0.64
			Sn	35:46.12	-2.89
PKSV	162.1	184	Sn	12:35:52.33	-1.08
JAVC	177.2	342	Sn	12:35:55.40	-1.37
KECS	200.8	51	Sn	12:36:05.85	3.85

361.

2024-03-13 time: 7:15:17.66 UTC ML= 1.7  
 lat: 45.636N lon: 17.299E h= 0.0 km  
 erh= 5.5km erz= 4.4km  
 nr= 13 gap=209 rms=0.88  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	79.3	69	Pg	7:15:32.59	0.77
			Sg	15:42.18	-0.68
KOVH	80.0	51	Pg	7:15:33.14	1.20
			Sg	15:44.14	1.06
KOGS	121.4	318	Pg	7:15:39.90	0.56
			Sg	15:56.09	-0.16
PKSM	122.2	58	Pg	7:15:39.19	-0.29
			Sg	15:55.03	-1.48
MORH	122.7	58	Pg	7:15:39.11	-0.45
			Sg	15:54.91	-1.73
PKB4	139.1	47	Sn	7:16:00.77	-0.27
CRES	144.9	278	Pn	7:15:42.85	0.09
			Sn	16:00.37	-1.98

362.

2024-03-13 time: 8:10:38.21 UTC ML= 1.8  
 lat: 47.952N lon: 20.032E h= 0.0 km  
 erh= 2.9km erz= 3.8km  
 nr= 11 gap= 99 rms=0.78  
 Locality: Bodony  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	11.0	250	PgU	8:10:40.94	0.77
			Sg	10:42.31	0.61

### Hypocenter Parameters

PENC	59.0	252	Pg	8:10:48.44	-0.30
			Sg	10:55.95	-1.01
KECS	68.0	30	Pg	8:10:51.53	1.19
			Sg	10:58.86	-0.95
BSZH	74.7	166	Sg	8:11:01.65	-0.29
ABAH	97.6	67	Pg	8:10:56.11	0.46
			Sg	11:08.13	-1.12
PKSG	138.2	243	Sn	8:11:20.94	-0.45
LANS	139.6	343	Sn	8:11:20.71	-1.00

363.

2024-03-13 time: 8:36:28.99 UTC ML= 1.2  
 lat: 48.873N lon: 21.096E h= 0.0 km  
 erh= 4.9km erz= \*\*\*km  
 nr= 6 gap=160 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	61.4	10	Pg	8:36:40.79	0.83
			Sg	36:47.74	-0.78
KECS	62.4	226	Pg	8:36:40.71	0.57
			Sg	36:48.06	-0.77
ABAH	65.0	171	Sg	8:36:49.12	-0.54
NIE	83.3	317	Sg	8:36:54.78	-0.70

364.

2024-03-13 time: 8:46:27.27 UTC ML= 1.5  
 lat: 48.602N lon: 20.793E h= 0.0 km  
 erh= 2.9km erz= 640km  
 nr= 7 gap=194 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.2	240	Pg	8:46:32.38	0.42
			Sg	46:35.74	0.13
ABAH	47.4	136	Pg	8:46:36.26	0.52
			Sg	46:41.76	-0.58
PSZ	101.1	221	Pg	8:46:44.71	-0.62
			Sg	46:59.21	-0.20
LANS	114.8	302	Pg	8:46:47.74	-0.03

365.

2024-03-13 time: 9:15:21.56 UTC ML= 1.6  
 lat: 48.384N lon: 19.096E h= 0.0 km  
 erh= 3.4km erz= 5.8km  
 nr= 9 gap=170 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	67.5	168	Sg	9:15:42.54	-0.47
PSZ	78.8	131	Sg	9:15:46.42	-0.20
LANS	89.5	18	Pg	9:15:37.83	0.30
			Sg	15:49.22	-0.77
ZBNS	89.7	338	Pg	9:15:38.22	0.63
			Sg	15:48.99	-1.10
KECS	103.4	84	Pg	9:15:41.08	1.06
			Sg	15:53.97	-0.46
NIE	145.6	38	Sn	9:16:05.02	-1.37

366.

2024-03-13 time: 10:18:29.68 UTC ML= 1.5  
 lat: 48.526N lon: 20.859E h= 0.0 km  
 erh= 7.2km erz= 929km  
 nr= 5 gap=232 rms=0.46  
 Locality: Tornaszentjakab  
 Comments: probably explosion

### Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KECS	28.0	260	Pg	10:18:34.29	-0.39
			Sg	18:38.22	-0.35
ABAH	38.1	132	Sg	10:18:41.48	-0.30
PSZ	98.5	227	Pg	10:18:47.97	0.70
			Sg	19:01.10	0.11

367.

2024-03-13 time: 10:57:24.76 UTC ML= 1.8  
 lat: 48.347N lon: 19.818E h= 0.0 km  
 erh= 2.2km erz= 889km  
 nr= 13 gap=102 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	48.0	173	Pg	10:57:33.85	0.53
			Sg	57:39.98	-0.02
KECS	51.7	73	Pg	10:57:34.01	0.02
			Sg	57:40.76	-0.43
PENC	73.6	213	Sg	10:57:47.05	-1.11
LANS	93.0	344	Pg	10:57:42.11	0.74
			Sg	57:53.97	-0.36
ABAH	105.6	93	Pg	10:57:44.15	0.54
			Sg	57:56.80	-1.51
ZBNS	123.0	315	Pg	10:57:46.51	-0.22
			Sg	58:03.02	-0.85
NIE	124.7	17	Pg	10:57:48.01	0.99
			Sg	58:02.70	-1.68

368.

2024-03-13 time: 11:10:01.29 UTC ML= 1.2  
 lat: 48.634N lon: 21.340E h= 0.0 km  
 erh= 5.7km erz= 8.9km  
 nr= 7 gap=196 rms=1.16  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	38.4	191	Pg	11:10:08.92	0.78
			Sg	10:12.62	-0.86
KECS	65.3	255	Pg	11:10:14.26	1.31
			Sg	10:21.27	-0.77
STHS	87.3	355	Sg	11:10:28.82	-0.22
NIE	115.1	319	Sg	11:10:37.14	-0.74
PSZ	133.6	233	Sn	11:10:40.44	-3.03

369.

2024-03-13 time: 13:14:59.99 UTC ML= 1.0  
 lat: 47.888N lon: 16.071E h= 0.0 km  
 erh= 3.1km erz= 5.6km  
 nr= 7 gap=131 rms=0.57  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.3	286	Pg	13:15:03.19	0.30
			Sg	15:05.24	0.08
RONA	26.9	141	Pg	13:15:05.00	0.21
			Sg	15:08.54	0.00
ARSA	82.0	210	Sg	13:15:25.20	-0.86
KRUC	132.7	10	Pn	13:15:23.82	0.26
			Sn	15:39.43	-2.52

## Földrengés paraméterek

## Hypocenter Parameters

370.

2024-03-13 time: 17:52:56.05 UTC ML= 1.5  
 lat: 46.567N lon: 17.496E h= 10.0 km  
 erh= 1.6km erz=12.4km  
 nr= 16 gap=117 rms=0.52  
 Locality: Csömend  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIH	47.9	39	Sg	17:53:11.08	-0.52
BEHE	56.3	259	Sg	17:53:14.82	0.59
PKS9	60.1	88	Pg	17:53:07.62	0.70
MPLH	67.2	3	Pg	17:53:08.25	0.08
			Sg	53:17.80	0.17
KOVH	70.6	139	Pg	17:53:09.20	0.41
			Sg	53:19.02	0.29
PKB4	85.4	95	Pg	17:53:11.71	0.31
			Sg	53:23.42	0.05
PKSV	95.3	142	Sg	17:53:26.33	-0.18
KOGS	96.5	262	Sg	17:53:25.58	-1.31
PKSM	96.5	114	Pg	17:53:13.36	-0.02
			Sg	53:25.70	-1.20
MORH	96.6	114	Pg	17:53:13.44	0.06
			Sg	53:25.66	-1.24
PKB1	102.1	76	Pg	17:53:13.99	-0.38

371.

2024-03-13 time: 20:05:13.29 UTC ML= 1.6  
 lat: 46.589N lon: 17.478E h= 10.0 km  
 erh= 1.4km erz=11.9km  
 nr= 22 gap=129 rms=0.56  
 Locality: Csömend  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIH	46.9	43	Pg	20:05:22.01	0.15
			Sg	05:29.32	0.79
BEHE	55.5	256	Pg	20:05:23.19	-0.17
			Sg	05:31.99	0.77
PKS9	61.4	90	Pg	20:05:25.47	1.07
KOVH	73.4	139	Pg	20:05:27.12	0.59
			Sg	05:36.94	0.09
PKST	85.7	30	Pg	20:05:28.38	-0.32
			Sg	05:40.11	-0.60
PKB4	87.0	97	Pg	20:05:29.40	0.47
			Sg	05:40.99	-0.13
KOGS	95.5	261	Pg	20:05:30.50	0.06
			Sg	05:42.60	-1.22
PKB5	96.4	90	Pg	20:05:30.42	-0.18
			Sg	05:42.96	-1.14
PKSV	98.2	143	Pg	20:05:31.20	0.29
			Sg	05:44.21	-0.45
PKSM	98.8	115	Pg	20:05:30.89	-0.14
			Sg	05:43.47	-1.40
MORH	98.8	115	Pg	20:05:31.01	-0.02
			Sg	05:43.43	-1.44
PKB1	102.9	78	Pg	20:05:31.83	0.08

372.

2024-03-13 time: 21:35:30.84 UTC ML= 0.4  
 lat: 47.743N lon: 16.287E h= 17.5 km  
 erh= 1.9km erz= 1.3km  
 nr= 10 gap=129 rms=0.34  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	4.9	171	Pg	21:35:34.35	0.26
			Sg	35:36.17	-0.45
SOP	21.4	108	Pg	21:35:35.94	0.15
			Sg	35:39.30	-0.34
CONA	37.9	303	Pg	21:35:38.41	0.11

			Sg	35:44.33	0.21
WINA	43.6	339	Pg	21:35:39.62	0.39
			Sg	35:44.95	-0.81
ARSA	79.4	226	S*	21:35:55.58	-0.51
KOGS	144.0	181	Sn	21:36:11.29	-0.04

373.

2024-03-14 time: 7:41:40.05 UTC ML= 1.5  
 lat: 47.957N lon: 16.055E h= 0.0 km  
 erh= 2.5km erz= 5.7km  
 nr= 10 gap=114 rms=0.73  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.8	258	Pg	7:41:43.02	0.33
			Sg	41:45.65	0.90
RONA	33.8	148	Pg	7:41:46.15	0.07
			Sg	41:50.64	-0.14
ARSA	88.1	207	Sg	7:42:06.76	-1.29
MODS	102.1	63	Pg	7:41:59.07	0.80
			Sg	42:11.67	-0.82
KRUC	125.5	12	Pg	7:42:02.78	0.33
			Sg	42:18.32	-1.61
VRAC	155.5	15	Sn	7:42:26.13	-0.95

374.

2024-03-14 time: 10:10:54.71 UTC ML= 1.5  
 lat: 48.779N lon: 21.237E h= 0.0 km  
 erh= 3.4km erz= 7.2km  
 nr= 8 gap=121 rms=0.97  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	53.7	180	Sg	10:11:13.01	1.22
KECS	64.4	239	Pg	10:11:06.96	0.74
			Sg	11:14.22	-0.97
STHS	70.9	0	Pg	10:11:08.20	0.83
			Sg	11:16.21	-1.03
KOLS	77.9	77	Sg	10:11:19.35	-0.13
TRPA	120.4	127	Sg	10:11:31.79	-1.17
PSZ	138.1	226	Sn	10:11:36.26	-1.62

375.

2024-03-14 time: 12:17:05.47 UTC ML= 1.3  
 lat: 47.852N lon: 16.036E h= 0.0 km  
 erh= 1.1km erz= 2.3km  
 nr= 8 gap= 93 rms=0.65  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.6	303	Pg	12:17:08.81	0.56
			Sg	17:10.74	0.32
RONA	25.8	131	Pg	12:17:10.20	0.12
			Sg	17:14.22	0.55
ARSA	77.2	210	Sg	12:17:29.53	-0.48
MODS	109.1	58	Sg	12:17:40.43	0.28
KRUC	137.1	11	Pn	12:17:28.76	-0.84
			Sn	17:46.08	-2.34

376.

2024-03-14 time: 13:42:58.52 UTC ML= 1.9  
 lat: 48.508N lon: 22.743E h= 0.0 km  
 erh= 4.3km erz= 5.3km  
 nr= 12 gap=150 rms=1.07  
 Locality: Ukraine  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
TRPA	44.6	200	Pg	13:43:06.34	-0.15
			Sg	43:14.07	1.37
BMR	108.5	149	Pg	13:43:18.11	0.20
			Sg	43:31.85	-1.17
ABAH	113.8	258	Pg	13:43:18.26	-0.58
			Sg	43:33.73	-0.95
KWP	125.0	359	Pg	13:43:21.34	0.50
			Sg	43:36.64	-1.61
STHS	149.2	313	Pn	13:43:25.31	1.15
			Sn	43:42.48	-1.68
KECS	166.8	269	Pn	13:43:28.00	1.64
			Sn	43:46.56	-1.51

377.

2024-03-14 time: 14:16:20.09 UTC ML= 1.7  
 lat: 48.440N lon: 17.080E h= 0.0 km  
 erh= 1.2km erz= 281km  
 nr= 8 gap=147 rms=0.20  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	16.4	117	Pg	14:16:22.84	-0.17
			Sg	16:24.70	-0.59
SMOL	27.0	72	Pg	14:16:25.12	0.20
			Sg	16:28.80	0.12
ZST	27.2	177	Pg	14:16:25.20	0.25
JAVC	63.7	43	Pg	14:16:31.54	0.06
KRUC	85.5	324	Pg	14:16:35.18	-0.19
VRAC	102.9	340	Pg	14:16:38.42	-0.05

378.

2024-03-14 time: 14:16:54.84 UTC ML= 1.8  
 lat: 48.447N lon: 17.080E h= 0.0 km  
 erh= 1.6km erz= 415km  
 nr= 9 gap=147 rms=0.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	16.7	119	Pg	14:16:57.93	0.10
			Sg	16:59.32	-0.84
SMOL	26.9	74	Pg	14:16:59.63	-0.01
			Sg	17:03.35	-0.03
ZST	27.9	177	Pg	14:17:00.18	0.36
JAVC	63.2	44	Pg	14:17:06.36	0.23
			Sg	17:12.59	-2.35*
KRUC	84.9	324	Pg	14:17:09.84	-0.17
VRAC	102.2	340	Pg	14:17:13.09	-0.01

379.

2024-03-14 time: 14:17:27.06 UTC ML= 1.7  
 lat: 48.437N lon: 17.049E h= 0.0 km  
 erh= 3.2km erz= 825km  
 nr= 9 gap=154 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	18.4	113	Pg	14:17:30.24	-0.10
			Sg	17:31.67	-1.23
ZST	27.1	172	Pg	14:17:32.83	0.92
			Sg	17:35.13	-0.56
SMOL	29.4	73	Pg	14:17:32.84	0.53
JAVC	65.6	44	Pg	14:17:39.06	0.29
KRUC	84.4	325	Pg	14:17:41.92	-0.22
VRAC	102.4	341	Pg	14:17:45.32	-0.04
			Sg	17:58.09	-1.53

380.

2024-03-14 time: 14:18:26.80 UTC ML= 1.7  
 lat: 48.446N lon: 17.092E h= 0.0 km  
 erh= 1.7km erz= 477km  
 nr= 9 gap=145 rms=0.36  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	15.9	120	Pg	14:18:29.55	-0.09
			Sg	18:31.17	-0.68
SMOL	26.0	73	Pg	14:18:32.02	0.57
			Sg	18:34.96	-0.11
ZST	27.8	178	Pg	14:18:31.87	0.11
JAVC	62.7	43	Pg	14:18:38.36	0.37
KRUC	85.5	323	Sg	18:46.02	-0.71
			Pg	14:18:41.84	-0.23
VRAC	102.6	339	Pg	14:18:45.09	-0.04

381.

2024-03-14 time: 14:19:02.87 UTC ML= 1.8  
 lat: 48.449N lon: 17.072E h= 0.0 km  
 erh= 3.7km erz= 974km  
 nr= 9 gap=148 rms=0.73  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	17.3	119	Pg	14:19:05.78	-0.18
			Sg	19:06.94	-1.43
SMOL	27.3	75	Pg	14:19:08.60	0.85
ZST	28.1	175	Pg	14:19:08.10	0.21
JAVC	63.5	44	Pg	14:19:14.59	0.39
			Sg	19:21.82	-1.22
KRUC	84.5	324	Pg	14:19:18.19	0.24
			Sg	19:27.54	-2.17
VRAC	101.9	340	Pg	14:19:21.32	0.26

382.

2024-03-14 time: 14:19:23.55 UTC ML= 1.7  
 lat: 48.454N lon: 17.055E h= 0.0 km  
 erh= 3.0km erz= 686km  
 nr= 9 gap=151 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	18.7	118	Pg	14:19:26.39	-0.51
			Sg	19:28.36	-1.15
SMOL	28.4	76	Pg	14:19:29.21	0.58
ZST	28.9	173	Pg	14:19:28.83	0.12
JAVC	63.9	45	Pg	14:19:35.44	0.47
KRUC	83.2	324	Pg	14:19:38.57	0.16
			Sg	19:49.24	-0.75
VRAC	100.9	340	Pg	14:19:41.86	0.30
			Sg	19:54.85	-0.76

383.

2024-03-14 time: 21:14:40.39 UTC ML= 1.4  
 lat: 45.906N lon: 16.032E h= 10.0 km  
 erh= 2.1km erz= 1.3km  
 nr= 10 gap=184 rms=0.35  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.8	263	Pg	21:14:42.54	0.09
			Sg	14:43.81	-0.25
ZAG	9.1	199	Pg	21:14:42.75	-0.05
			Sg	14:44.28	-0.40

## Földrengés paraméterek

## Hypocenter Parameters

CRES 45.6 259 Pg 21:14:49.05 0.33  
 Sg 14:55.58 0.36  
 KOGS 62.5 16 Sg 21:15:01.11 0.60  
 GROS 74.0 326 Sg 21:15:03.93 -0.20  
 PERS 107.5 319 Sn 21:15:13.48 -1.01  
 SOKA 115.3 318 Sn 21:15:15.92 -0.30

384.

2024-03-15 time: 1:57:29.34 UTC ML= 1.8  
 lat: 45.667N lon: 21.854E h= 10.6 km  
 erh= 2.3km erz= 1.9km  
 nr= 13 gap=128 rms=0.46  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	19.3	253	Pg	1:57:33.09			-0.20
			Sg	57:35.79			-0.57
SURR	23.2	65	Pg	1:57:33.72			-0.18
			Sg	57:36.87			-0.58
TIM	50.0	279	Pg	1:57:38.43			-0.03
BANR	64.4	241	Pg	1:57:41.35			0.35
			Sg	57:50.10			0.00
GZR	78.2	113	Pg	1:57:44.03			0.60
			Sg	57:53.82			-0.60
DEV	85.1	74	Pg	1:57:45.02			0.37
AMBH	115.8	311	Pn	1:57:49.56			0.10
			Sn	58:01.46			-3.69*
DRGR	141.5	28	Pn	1:57:53.19			0.54
			Sn	58:09.43			-1.41

385.

2024-03-15 time: 9:28:10.97 UTC ML= 1.6  
 lat: 48.504N lon: 17.487E h= 0.0 km  
 erh= 0.6km erz= 1.1km  
 nr= 10 gap=201 rms=0.14  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	4.5	284	Pg	9:28:11.59			-0.18
			Sg	28:12.44			0.05
MODS	21.2	227	Pg	9:28:14.84			0.07
			Sg	28:17.82			0.10
JAVC	41.7	19	Pg	9:28:18.47			0.04
			Sg	28:24.12			-0.12
ZST	44.6	220	Sg	9:28:25.16			0.03
KRUC	101.4	308	Pg	9:28:29.30			0.21
RONA	126.0	225	Pg	9:28:33.49			0.02
CONA	136.7	242	Pn	9:28:34.82			-0.23
			Sn	28:52.29			-1.55*

386.

2024-03-15 time: 9:54:48.83 UTC ML= 1.5  
 lat: 48.593N lon: 20.788E h= 0.0 km  
 erh= 4.8km erz= 559km  
 nr= 6 gap=253 rms=0.34  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.5	241	Pg	9:54:53.11			-0.27
			Sg	54:56.36			-0.58
ABAH	47.0	135	Pg	9:54:57.21			-0.01
			Sg	55:03.63			-0.13
PSZ	100.2	221	Pg	9:55:07.19			0.47
			Sg	55:21.03			0.35

387.

2024-03-15 time: 15:28:08.22 UTC ML= 1.5  
 lat: 45.534N lon: 17.794E h= 0.0 km  
 erh= 6.9km erz= 645km  
 nr= 9 gap=339 rms=0.49  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	53.1	42	Pg	15:28:18.24			0.54
			Sg	28:25.97			0.87
KOVH	66.0	21	Pg	15:28:19.94			-0.06
			Sg	28:29.38			0.18
PKSM	100.0	41	Pg	15:28:25.82			-0.25
			Sg	28:39.12			-0.88
MORH	100.5	41	Pg	15:28:26.04			-0.12
			Sg	28:39.27			-0.88
PKB4	124.0	30	Sg	15:28:48.08			0.46

388.

2024-03-15 time: 23:48:49.75 UTC ML= 1.7  
 lat: 48.567N lon: 17.544E h= 7.7 km  
 erh= 1.8km erz= 1.5km  
 nr= 21 gap= 94 rms=0.67  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SMOL	10.4	235	Pg	23:48:52.26			0.20
			Sg	48:53.56			-0.30
MODS	29.2	222	Pg	23:48:55.74			0.60
			Sg	48:58.78			-0.57
JAVC	33.8	16	PgD	23:48:55.74			-0.19
			Sg	49:00.54			-0.22
ZST	52.7	218	Pg	23:48:59.53			0.28
			Sg	49:05.95			-0.71
KRUC	100.7	303	Pg	23:49:08.04			0.26
			Sg	49:20.10			-1.75
SRO	101.5	146	Sg	23:49:21.25			-0.86
ZBNS	102.3	52	Sg	23:49:22.05			-0.31
VRAC	107.9	320	Pg	23:49:09.51			0.45
			Sg	49:23.22			-0.91
WINA	120.4	245	Pn	23:49:11.65			0.84
			Sn	49:26.09			-1.15
RONA	133.9	224	Pn	23:49:14.34			1.85
MORC	134.5	360	Sn	23:49:29.63			-0.73
CONA	143.7	240	Sn	23:49:32.31			-0.10
ABNA	156.0	274	Pn	23:49:15.47			0.22
			Sn	49:35.49			0.35

389.

2024-03-16 time: 13:06:27.81 UTC ML= 1.7  
 lat: 45.645N lon: 21.872E h= 10.3 km  
 erh= 2.7km erz= 2.4km  
 nr= 9 gap=149 rms=0.44  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	20.2	261	Pg	13:06:31.51			-0.35
			Sg	06:34.45			-0.56
SURR	23.1	58	Pg	13:06:32.37			0.04
			Sg	06:35.50			-0.36
TIM	51.7	281	Pg	13:06:37.74			0.51
GZR	76.0	112	Pg	13:06:41.98			0.47
			Sg	06:51.82			-0.38
DRGR	143.0	27	Pn	13:06:51.69			0.33
			Sn	07:08.53			-1.19

## Hypocenter Parameters

## Földrengés paraméterek

390.

2024-03-16 time: 15:03:59.04 UTC ML= 1.4  
 lat: 45.939N lon: 16.056E h= 14.5 km  
 erh= 1.6km erz= 1.2km  
 nr= 21 gap=117 rms=0.43  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	8.7	240	Pg	15:04:01.60	-0.46
			Sg	04:04.26	-0.15
ZAG	13.1	201	Pg	15:04:02.21	-0.32
			Sg	04:05.21	-0.04
GCIS	34.2	256	iPg	15:04:05.79	0.12
			iSg	04:10.54	-0.29
GOLS	34.4	283	iPg	15:04:06.04	0.34
			iSg	04:11.39	0.50
CESS	46.1	275	iPg	15:04:08.29	0.62
			iSg	04:14.99	0.59
CRES	48.1	255	Pg	15:04:07.72	-0.30
			Sg	04:14.35	-0.67
DOBS	51.1	297	iPg	15:04:08.94	0.42
			iSg	04:15.88	-0.03
LEGS	57.2	271	iPg	15:04:09.81	0.23
GROS	72.1	324	Pg	15:04:11.91	-0.26
			Sg	04:21.27	-1.14
BEHE	81.1	43	Sg	15:04:25.48	0.26
PERS	106.0	317	Sn	15:04:31.07	-0.72
SOKA	113.8	316	Sn	15:04:32.93	-0.60
KOVH	159.2	84	Sn	15:04:44.41	0.81

391.

2024-03-16 time: 17:19:45.44 UTC ML= 1.8  
 lat: 46.166N lon: 16.511E h= 10.0 km  
 erh= 1.8km erz= 1.3km  
 nr= 37 gap=124 rms=0.65  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	37.3	327	Sg	17:19:58.09	0.38
PTJ	52.0	235	Pg	17:19:54.76	-0.14
			Sg	20:02.02	-0.26
ZAG	54.8	227	Sg	17:20:03.59	0.44
GOLS	70.7	256	iPg	17:19:58.50	0.31
			iSg	20:08.72	0.58
GCIS	76.1	244	iPg	17:19:59.20	0.06
DOBS	80.5	269	iPg	17:19:59.78	-0.15
			eSg	20:10.74	-0.49
CESS	83.9	255	ePg	17:20:00.69	0.17
			eSg	20:12.19	-0.09
GROS	84.4	293	Pg	17:20:00.58	-0.03
			Sg	20:10.80	-1.65
CRES	90.0	245	Pg	17:20:01.65	0.04
			Sg	20:13.22	-1.00
LEGS	95.5	255	iPg	17:20:02.55	-0.03
			eSg	20:15.51	-0.44
PDKS	117.6	264	iPn	17:20:06.08	0.23
			iSn	20:21.18	-0.60
ZAVS	118.4	285	iPn	17:20:06.02	0.07
PERS	119.3	296	eSn	20:20.20	-1.75
			Pn	17:20:06.40	0.33
BOJS	122.4	233	Sn	20:21.60	-0.56
			iPn	17:20:07.28	0.83
KOVH	123.1	94	eSn	20:22.43	-0.41
			Pn	17:20:05.00	-1.54
SOKA	127.1	297	Sn	20:19.95	-3.05*
			Pn	17:20:07.40	0.36
PKSV	138.3	103	Sn	20:23.19	-0.71
			Pn	17:20:25.51	-0.86
ARSA	142.3	328	Sn	17:20:27.19	-0.08
OBKA	155.9	284	Pn	17:20:11.36	0.74
			Sn	20:30.00	-0.27

PKSM	164.5	88	Pn	17:20:11.91	0.20
MORH	164.8	88	Sn	17:20:33.85	1.60
PKB4	165.3	77	Sn	17:20:33.89	1.53
CRNS	174.2	267	iPn	17:20:15.13	2.22

392.

2024-03-17 time: 2:27:42.00 UTC ML= 0.7  
 lat: 45.940N lon: 16.032E h= 2.6 km  
 erh= 1.4km erz= 2.6km  
 nr= 5 gap=299 rms=0.06  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	7.3	232	Pg	2:27:43.46	0.08
			Sg	27:44.41	-0.05
ZAG	12.7	193	Pg	2:27:44.25	-0.07
			Sg	27:46.19	0.06
CRES	46.5	254	Sg	2:27:56.76	-0.02

393.

2024-03-17 time: 5:08:40.15 UTC ML= 0.5  
 lat: 47.221N lon: 18.133E h= 10.0 km  
 erh= 1.2km erz= 1.3km  
 nr= 10 gap=102 rms=0.27  
 Locality: Várpalota  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	8.6	299	PgU	5:08:42.31	-0.19
			Sg	08:44.03	-0.31
CSKK	18.5	31	Sg	5:08:46.60	-0.23
PKSG	27.2	46	Pg	5:08:45.43	0.11
			Sg	08:49.66	0.31
MPLH	45.3	263	Sg	5:08:55.49	0.58
PKB1	69.8	134	Pg	5:08:52.89	0.15
PKB4	88.2	156	Sg	5:09:08.56	0.18
MORH	118.4	161	Sn	5:09:16.17	-0.51
PKSM	118.8	161	Sn	5:09:16.60	-0.15

394.

2024-03-18 time: 8:50:49.70 UTC ML= 1.4  
 lat: 48.087N lon: 20.699E h= 0.0 km  
 erh= 2.7km erz= 577km  
 nr= 6 gap=193 rms=0.34  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.4	60	Pg	8:50:57.72	-0.26
			Sg	51:04.77	0.32
KECS	46.8	340	Pg	8:50:58.43	0.38
			Sg	51:03.96	-0.60
PSZ	62.9	253	Pg	8:51:01.09	0.16
			Sg	51:09.36	-0.33

395.

2024-03-18 time: 9:36:37.83 UTC ML= 1.2  
 lat: 47.831N lon: 16.017E h= 0.0 km  
 erh= 2.7km erz= 829km  
 nr= 7 gap=104 rms=0.55  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.9	313	Pg	9:36:40.91	0.25
			Sg	36:42.45	-0.42
RONA	25.5	125	PgU	9:36:42.79	0.41
			Sg	36:45.84	-0.10
ARSA	74.5	210	Pg	9:36:51.62	0.49



### Földrengés paraméterek

### Hypocenter Parameters

Sg 37:00.44 -1.07  
 MODS 111.6 57 Sg 9:37:12.27 -1.02

396.

2024-03-18 time: 9:40:08.80 UTC ML= 1.9  
 lat: 48.613N lon: 21.355E h= 0.0 km  
 erh= 3.7km erz= 4.5km  
 nr= 16 gap= 80 rms=1.29  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.3	194	Pg	9:40:16.85	1.57
			Sg	40:20.77	0.44
KECS	65.8	257	Pg	9:40:21.08	0.54
			Sg	40:28.18	-1.53
STHS	89.7	355	Pg	9:40:26.39	1.57
			Sg	40:36.24	-1.08
TRPA	102.9	121	Pg	9:40:26.69	-0.48
			Sg	40:39.07	-2.43
NIE	117.6	320	Pg	9:40:29.35	-0.45
			Sg	40:43.60	-2.58
PSZ	133.1	235	Pn	9:40:32.98	0.55
			Sn	40:49.25	-1.62
KWP	150.2	41	Pn	9:40:34.85	0.29
			Sn	40:54.11	-0.55
LANS	150.8	293	Pn	9:40:36.42	1.79
			Sn	40:52.67	-2.11

397.

2024-03-18 time: 9:46:44.59 UTC ML= 1.4  
 lat: 48.495N lon: 17.475E h= 0.0 km  
 erh= 3.7km erz= 739km  
 nr= 6 gap=208 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.0	301	Pg	9:46:45.00	-0.30
			Sg	46:46.17	0.32
MODS	19.9	227	Pg	9:46:48.52	0.38
			Sg	46:50.79	-0.13
JAVC	42.9	20	Pg	9:46:51.73	-0.53
			Sg	46:59.00	0.76

398.

2024-03-18 time: 9:48:36.85 UTC ML= 1.4  
 lat: 48.608N lon: 20.774E h= 0.0 km  
 erh= 1.5km erz= 401km  
 nr= 6 gap=156 rms=0.24  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.4	237	Pg	9:48:41.46	0.08
			Sg	48:44.99	0.07
ABAH	48.9	135	Pg	9:48:45.77	0.19
			Sg	48:51.87	-0.52
NIE	96.3	340	Pg	9:48:54.14	0.10
			Sg	49:06.98	-0.46

399.

2024-03-18 time: 11:00:15.07 UTC ML= 1.9  
 lat: 48.153N lon: 16.893E h= 0.0 km  
 erh= 1.2km erz= 3.3km  
 nr= 10 gap=149 rms=0.42  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.3	73	Pg	11:00:17.99	0.00
			Sg	00:20.11	-0.15
MODS	37.6	49	Pg	11:00:21.85	0.06
			Sg	00:26.76	-0.28
RONA	67.3	221	Pg	11:00:27.09	0.00
			Sg	00:35.48	-0.99
CONA	80.9	252	Pg	11:00:29.69	0.18
			Sg	00:40.51	-0.26
KRUC	107.5	340	Sg	11:00:49.10	-0.15
ARSA	143.7	226	Pn	11:00:41.30	1.28

400.

2024-03-18 time: 11:10:08.77 UTC ML= 1.7  
 lat: 47.956N lon: 18.770E h= 0.0 km  
 erh= 4.5km erz= 7.6km  
 nr= 12 gap=105 rms=1.14  
 Locality: Vámosmikola  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	42.4	116	Pg	11:10:16.81	0.46
			Sg	10:22.13	-0.13
PKSG	68.8	204	Sg	11:10:29.96	-0.69
CSKK	76.2	210	Pg	11:10:23.48	1.11
			Sg	10:32.09	-0.89
PSZ	84.1	93	Pg	11:10:23.54	-0.25
			Sg	10:34.97	-0.54
PKST	95.2	216	Pg	11:10:26.22	0.45
			Sg	10:37.88	-1.14
JAVC	129.3	321	Sg	11:10:47.20	-2.68
KECS	140.3	65	Sn	11:10:50.51	-1.93
NIE	198.5	35	Pn	11:10:42.48	1.93

401.

2024-03-18 time: 11:11:50.42 UTC ML= 1.8  
 lat: 47.864N lon: 18.790E h= 0.0 km  
 erh= 4.9km erz= 602km  
 nr= 9 gap=226 rms=0.45  
 Locality: Letkes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	37.7	102	Pg	11:11:57.30	0.14
			Sg	12:02.54	0.13
PKSG	60.4	210	Pg	11:12:01.84	0.62
			Sg	12:09.82	0.18
CSKK	68.4	216	Sg	11:12:11.70	-0.47
PSZ	82.8	86	Pg	11:12:05.20	-0.01
			Sg	12:14.20	-2.55
PKST	88.1	220	Pg	11:12:05.99	-0.16
			Sg	12:17.80	-0.61

402.

2024-03-18 time: 12:59:58.61 UTC ML= 1.9  
 lat: 47.970N lon: 16.023E h= 0.0 km  
 erh= 4.7km erz= 2.2km  
 nr= 6 gap=233 rms=0.40  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	12.9	249	Pg	13:00:00.98	0.07
			Sg	00:02.46	-0.25
KRUC	124.5	13	Pg	13:00:21.42	0.59
			Sg	00:37.56	-0.61
VRAC	154.6	16	Pn	13:00:24.97	0.05
			Sn	00:44.78	-0.66

## Hypocenter Parameters

## Földrengés paraméterek

403.

2024-03-18 time: 13:49:43.63 UTC ML= 1.6  
 lat: 48.570N lon: 20.825E h= 0.0 km  
 erh= 3.9km erz= 8.7km  
 nr= 11 gap= 93 rms=1.31  
 Locality: Hidvégardó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.9	249	Pg	13:49:49.10	0.67
			Sg	49:52.54	0.36
ABAH	43.3	135	Pg	13:49:51.67	0.31
			Sg	49:57.76	0.37
STHS	99.0	18	Sg	13:50:12.89	-2.20
			Pg	13:50:02.60	1.08
PSZ	100.2	224	Sg	50:13.82	-1.65
			Pg	50:15.08	-0.82
NIE	101.5	338	Pg	13:50:03.54	1.78
			Sg	50:15.08	-0.82
LANS	118.7	303	Sg	13:50:19.14	-2.21
			Sn	13:50:24.44	-1.93
TRPA	136.2	111	Sg	13:50:19.14	-2.21
			Sn	13:50:24.44	-1.93

404.

2024-03-19 time: 8:11:42.14 UTC ML= 1.3  
 lat: 48.941N lon: 21.269E h= 0.0 km  
 erh= 8.5km erz= \*\*\*km  
 nr= 5 gap=231 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	53.0	358	Pg	8:11:52.02	0.42
			Sg	11:57.97	-1.01
KECS	76.9	229	Pg	8:11:56.40	0.53
			Sg	12:05.48	-1.10
NIE	87.6	307	Sg	8:12:10.02	0.02

405.

2024-03-19 time: 8:43:49.43 UTC ML= 1.5  
 lat: 48.532N lon: 17.477E h= 0.0 km  
 erh= 2.0km erz= 3.9km  
 nr= 12 gap=195 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.1	241	PgU	8:43:50.29	0.12
			Sg	43:50.95	0.21
MODS	23.0	220	Pg	8:43:54.20	0.66
			Sg	43:56.65	-0.09
JAVC	39.1	21	Pg	8:43:56.63	0.22
			Sg	44:01.45	-0.41
ZST	46.5	217	Sg	8:44:04.17	-0.05
KRUC	99.0	307	Pg	8:44:07.63	0.52
			Sg	44:20.48	-0.41
VRAC	107.9	323	Sg	8:44:23.01	-0.74
RONA	127.7	224	Sg	8:44:28.70	-1.31
CONA	137.5	241	Sn	8:44:31.05	-1.43

406.

2024-03-19 time: 8:51:12.08 UTC ML= 1.1  
 lat: 47.189N lon: 18.292E h= 0.0 km  
 erh= 2.8km erz= 846km  
 nr= 9 gap=148 rms=0.63  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.5	353	Pg	8:51:16.05	0.48
			Sg	51:17.21	-1.08
PKST	21.1	292	Pg	8:51:16.55	0.71

			Sg	51:17.94	-0.83
PKSG	23.8	18	Pg	8:51:16.55	0.23
			Sg	51:19.14	-0.49
MORH	111.5	166	Sg	8:51:47.91	0.41
PKSM	111.8	166	Sg	8:51:47.53	-0.10
KOVH	123.2	187	Sg	8:51:50.16	-1.08

407.

2024-03-19 time: 9:21:34.24 UTC ML= 1.8  
 lat: 47.312N lon: 18.417E h= 0.0 km  
 erh= 2.8km erz= 736km  
 nr= 7 gap=185 rms=0.50  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.1	347	PgU	9:21:35.87	0.01
			Sg	21:36.20	-0.93
CSKK	13.1	296	Pg	9:21:37.34	0.76
			Sg	21:37.87	-0.54
PKST	29.5	258	Sg	9:21:43.66	0.03
MORH	123.1	172	Sg	9:22:13.39	0.01
PKSM	123.5	172	Sg	9:22:13.36	-0.15

408.

2024-03-19 time: 9:49:50.37 UTC ML= 1.5  
 lat: 48.583N lon: 20.759E h= 0.0 km  
 erh= 3.7km erz= \*\*\*km  
 nr= 10 gap=151 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.1	241	Pg	9:49:54.79	0.30
			Sg	49:58.50	0.80
ABAH	47.8	132	Pg	9:49:58.42	-0.49
			Sg	50:05.38	-0.19
PSZ	97.9	221	Pg	9:50:08.32	0.46
			Sg	50:20.46	-1.04
NIE	98.5	341	Pg	9:50:09.79	1.84
			Sg	50:19.92	-1.75
LANS	113.8	304	Pg	9:50:10.41	-0.28
			Sg	50:25.10	-1.44

409.

2024-03-19 time: 9:54:46.23 UTC ML= 1.4  
 lat: 48.080N lon: 21.383E h= 0.0 km  
 erh= 3.5km erz= 738km  
 nr= 6 gap=175 rms=0.43  
 Locality: Tiszaladány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	26.3	336	Pg	9:54:51.03	0.10
			Sg	54:54.81	0.21
KECS	80.3	304	Pg	9:55:00.92	0.35
			Sg	55:10.42	-1.34
TRPA	86.3	86	Sg	9:55:13.43	-0.21
PSZ	112.6	261	Sg	9:55:21.86	-0.15

410.

2024-03-19 time: 10:24:58.66 UTC ML= 1.7  
 lat: 47.857N lon: 19.112E h= 0.0 km  
 erh= 4.4km erz= 821km  
 nr= 6 gap=189 rms=0.48  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.7	120	Pg	10:25:01.81	0.53

## Földrengés paraméterek

## Hypocenter Parameters

			Sg	25:03.09	-0.23
PSZ	58.9	83	Pg	10:25:09.54	0.37
			Sg	25:16.43	-0.94
PKSG	75.0	226	Sg	10:25:21.92	-0.56
KECS	123.6	56	Pg	10:25:20.60	-0.13

411.

2024-03-19 time: 10:25:38.17 UTC ML= 0.8  
 lat: 47.258N lon: 18.237E h= 0.0 km  
 erh= 4.0km erz= 508km  
 nr= 6 gap=232 rms=0.31  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.8	9	Pg	10:25:40.62	0.33
			Sg	25:42.32	0.38
PKST	15.3	270	Pg	10:25:40.93	0.02
			Sg	25:42.58	-0.47
PKSG	18.9	38	Pg	10:25:41.49	-0.06
			Sg	25:43.59	-0.59

412.

2024-03-19 time: 15:49:43.00 UTC ML= 2.0  
 lat: 45.537N lon: 16.373E h= 6.1 km  
 erh= 3.4km erz= 3.0km  
 nr= 15 gap=150 rms=0.87  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	43.8	318	Sg	15:49:56.67	-0.40
PTJ	51.6	321	Pg	15:49:52.67	0.38
			Sg	49:58.98	-0.55
CRES	78.2	294	Pg	15:49:57.44	0.43
			Sg	50:06.86	-1.08
KOGS	101.7	355	Pg	15:50:02.10	0.91
			Sg	50:13.85	-1.53
BLY	108.4	144	Pg	15:50:02.52	0.13
			Sg	50:15.83	-1.68
KOVH	147.6	65	Sn	15:50:26.27	-0.60
PKSV	151.5	75	Sn	15:50:27.19	-0.55
PERS	156.0	321	Sn	15:50:28.74	-0.01
SOKA	163.7	321	Sn	15:50:32.08	1.62
PKS9	188.1	52	Sn	15:50:39.14	3.28
RONA	240.4	359	Pn	15:50:20.42	1.19

413.

2024-03-20 time: 8:36:37.58 UTC ML= 1.3  
 lat: 48.885N lon: 21.015E h= 0.0 km  
 erh= 2.7km erz= 3.9km  
 nr= 6 gap=150 rms=0.84  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	59.3	221	Pg	8:36:48.93	0.76
			Sg	36:56.28	-0.16
STHS	61.4	16	Sg	8:36:56.51	-0.58
ABAH	67.6	166	Sg	8:36:59.41	0.35
NIE	78.4	319	Sg	8:37:02.85	0.36
PSZ	135.8	218	Sn	8:37:18.23	-2.01

414.

2024-03-20 time: 8:57:41.40 UTC ML= 1.8  
 lat: 48.492N lon: 19.335E h= 0.0 km  
 erh= 3.4km erz= 8.2km  
 nr= 11 gap=142 rms=0.92  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	73.9	8	Pg	8:57:54.66	0.06
			Sg	58:03.17	-1.73
PSZ	76.1	147	Pg	8:57:55.20	0.20
			Sg	58:05.29	-0.31
KECS	85.1	91	Pg	8:57:57.18	0.58
			Sg	58:07.73	-0.72
NIE	125.6	35	Pg	8:58:05.72	1.90
			Sg	58:19.94	-1.37
JAVC	129.2	288	Pg	8:58:04.56	0.09
			Sg	58:20.87	-1.60
ABAH	142.7	99	Pn	8:58:06.34	0.11

415.

2024-03-20 time: 9:13:23.70 UTC ML= 1.6  
 lat: 48.644N lon: 20.784E h= 0.0 km  
 erh= 5.0km erz= 7.7km  
 nr= 10 gap=173 rms=1.08  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.4	231	Pg	9:13:29.44	0.67
			Sg	13:32.48	-0.24
ABAH	51.3	139	Pg	9:13:33.15	0.29
			Sg	13:39.56	-0.45
PSZ	104.2	219	Pg	9:13:43.47	1.15
			Sg	13:54.92	-1.92
LANS	111.8	300	Pg	9:13:44.56	0.90
			Sg	13:56.97	-2.25
TRPA	142.0	114	Pn	9:13:48.49	0.05
			Sn	14:05.54	-2.20

416.

2024-03-20 time: 9:53:19.79 UTC ML= 1.4  
 lat: 48.697N lon: 19.945E h= 0.0 km  
 erh= 2.7km erz= 656km  
 nr= 7 gap=196 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.4	121	Pg	9:53:28.28	0.20
			Sg	53:34.92	0.37
NIE	84.7	19	Pg	9:53:35.16	0.25
			Sg	53:46.13	-0.57
PSZ	86.7	182	Pg	9:53:35.54	0.28
			Sg	53:46.49	-0.84
ABAH	105.6	115	Sg	9:53:52.67	-0.67

417.

2024-03-20 time: 10:19:00.67 UTC ML= 1.8  
 lat: 46.866N lon: 17.288E h= 0.0 km  
 erh= 4.6km erz= 9.4km  
 nr= 11 gap=143 rms=1.11  
 Locality: Várkölyg  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	38.8	29	Pg	10:19:08.89	1.29
			Sg	19:12.73	-0.28
TIH	46.3	85	Sg	10:19:15.78	0.41
EGYH	61.4	3	Sg	10:19:19.38	-0.79
PKST	71.6	52	Sg	10:19:23.13	-0.29
PKSG	102.1	55	Sg	10:19:32.45	-0.66
KOVH	106.6	144	Pg	10:19:21.41	1.71
			Sg	19:33.86	-0.68
MORH	126.7	125	Sg	10:19:39.49	-1.44
PKSM	126.7	125	Sg	10:19:39.49	-1.46
ARSA	140.7	288	Sn	10:19:43.25	-1.17

## Hypocenter Parameters

## Földregés paraméterek

418.  


---

2024-03-20 time: 10:47:46.86 UTC ML= 1.7  
lat: 46.031N lon: 22.814E h= 0.0 km  
erh= 2.4km erz= 5.8km  
nr= 11 gap=116 rms=0.67  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.8	157	Pg	10:47:50.34	0.30
			Sg	47:53.02	0.50
SURR	61.7	240	Sg	10:48:05.87	-0.61
GZR	70.9	182	Pg	10:47:59.61	0.08
			Sg	48:08.58	-0.83
DRGR	84.9	355	Pg	10:48:02.17	0.15
			Sg	48:13.26	-0.59
BZS	103.8	244	Pg	10:48:06.55	1.15
			Sg	48:18.67	-1.19
VOIR	186.1	111	Pn	10:48:17.04	-0.06
			Sn	48:38.75	-1.94

419.  


---

2024-03-20 time: 11:03:57.06 UTC ML= 1.6  
lat: 45.989N lon: 22.815E h= 0.0 km  
erh= 2.6km erz= 5.8km  
nr= 11 gap=115 rms=0.70  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	13.6	150	Pg	11:03:59.39	-0.10
			Sg	04:01.67	0.29
SURR	59.6	244	Pg	11:04:08.12	0.41
			Sg	04:14.73	-1.28
GZR	66.3	183	Sg	11:04:17.33	-0.79
DRGR	89.6	355	Pg	11:04:13.55	0.49
			Sg	04:24.41	-1.13
BZS	101.9	246	Pg	11:04:15.91	0.65
			Sg	04:28.97	-0.49
VOIR	184.5	109	Pn	11:04:27.95	0.85
			Sn	04:49.03	-1.50

420.  


---

2024-03-20 time: 11:33:32.34 UTC ML= 0.9  
lat: 47.738N lon: 16.156E h= 15.0 km  
erh= 1.4km erz= 1.6km  
nr= 10 gap=110 rms=0.35  
Locality: Austria  
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	11.3	112	PgU	11:33:35.94	0.25
			Sg	33:37.82	-0.49
CONA	30.6	314	Pg	11:33:38.93	0.51
			Sg	33:42.92	-0.25
SOP	30.8	101	Sg	11:33:43.22	0.00
WINA	41.6	351	Pg	11:33:40.46	0.23
			Sg	33:45.86	-0.53
ARSA	72.2	221	Pg	11:33:45.54	0.04
			Sg	33:55.18	-0.58
KRUC	148.3	7	Sn	11:34:14.16	-0.20

421.  


---

2024-03-20 time: 12:23:53.23 UTC ML= 1.3  
lat: 47.858N lon: 16.056E h= 0.0 km  
erh= 0.6km erz= 1.0km  
nr= 7 gap=124 rms=0.81  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.5	298	Pg	12:23:56.74	0.56
			Sg	23:59.10	0.62
RONA	25.2	134	Pg	12:23:58.47	0.75
			Sg	24:01.62	0.39
ARSA	78.6	211	Sg	12:24:17.24	-0.96
KRUC	136.2	11	Pn	12:24:16.57	-0.67
			Sn	24:34.27	-1.71

422.  


---

2024-03-20 time: 13:01:31.93 UTC ML= 1.8  
lat: 47.630N lon: 16.316E h= 0.0 km  
erh= 7.9km erz= 6.2km  
nr= 7 gap=273 rms=0.69  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	7.9	349	PgU	13:01:34.01	0.68
			Sg	01:35.24	0.81
CONA	47.5	314	Pg	13:01:40.22	-0.19
			Sg	01:46.03	-1.00
MODS	109.4	41	Pg	13:01:51.10	-0.37
KRUC	159.3	2	Pn	13:01:59.34	0.52
			Sn	02:18.03	-1.77

423.  


---

2024-03-20 time: 15:34:20.63 UTC ML= 2.7  
lat: 45.515N lon: 18.053E h= 1.2 km  
erh= 2.3km erz= 1.5km  
nr= 42 gap=175 rms=0.79  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	44.3	20	PgD	15:34:29.17	0.63
			Sg	34:34.92	0.21
KOVH	63.8	3	PgD	15:34:32.99	0.97
			Sg	34:40.87	-0.04
PKSM	89.9	31	Pg	15:34:36.37	-0.31
			Sg	34:48.23	-0.98
MORH	90.4	31	Pg	15:34:36.37	-0.40
			Sg	34:48.46	-0.90
BLY	109.2	219	Pg	15:34:40.24	0.10
			Sg	34:53.84	-1.51
PKB4	117.1	21	Pg	15:34:41.66	0.12
			Sg	34:56.37	-1.48
PKS9	120.4	8	Pg	15:34:42.77	0.64
			Sg	34:58.16	-0.74
PKB5	131.1	24	Pn	15:34:44.16	0.30
			Sn	35:01.20	-0.78
PKB3	134.3	41	Pn	15:34:44.35	0.10
			Sn	35:01.29	-1.39
PKS2	140.9	40	Sn	15:35:03.87	-0.28
BEHE	145.1	317	Pn	15:34:46.25	0.64
			Sn	35:03.61	-1.48
PKB1	152.2	22	Pn	15:34:45.90	-0.58
			Sn	35:05.77	-0.88
TIH	154.4	355	Pn	15:34:47.28	0.52
			Sn	35:07.77	0.62
PKS6	168.0	44	Pn	15:34:50.17	1.72
			Sn	35:11.62	1.47
PTJ	168.7	285	Pn	15:34:48.64	0.10
			Sn	35:09.19	-1.12
KOGS	174.0	307	Pn	15:34:49.01	-0.19
			Sn	35:13.20	1.71
MPLH	188.2	348	Pn	15:34:50.70	-0.27
			Sn	35:18.16	3.52*
PKS7	190.5	27	Sn	15:35:18.46	3.30
PKST	193.8	360	Sn	15:35:18.94	3.04
GROS	223.9	298	Pn	15:34:55.12	-0.31
PERS	259.1	299	Pn	15:34:59.92	0.11
			Sn	35:30.48	0.10

## Földrengés paraméterek

## Hypocenter Parameters

SOKA 267.0 299 Pn 15:35:00.17 -0.62  
ARSA 274.0 315 Pn 15:35:02.18 0.50  
Sn 35:32.67 -1.02  
RONA 277.6 331 Pn 15:35:02.45 0.32  
CONA 316.3 328 Pn 15:35:07.11 0.16\*

424.

2024-03-21 time: 8:12:41.76 UTC ML= 1.9  
lat: 47.908N lon: 19.418E h= 0.0 km  
erh= 3.1km erz= 3.5km  
nr= 13 gap=124 rms=0.69  
Locality: Szanda  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.6	218	Pg	8:12:45.31	0.59
			Sg	12:47.04	0.01
PSZ	35.6	88	Pg	8:12:48.30	0.18
			Sg	12:53.50	0.42
BUD	55.7	212	Sg	8:12:58.25	-1.22
KECS	101.9	51	Pg	8:13:00.57	0.61
			Sg	13:12.69	-1.47
LANS	138.2	2	Pn	8:13:05.96	-0.07
ABAH	142.3	72	Pn	8:13:06.39	-0.15
			Sn	13:24.41	-1.46
ZBNS	147.8	337	Pn	8:13:07.96	0.73
			Sn	13:25.90	-1.19
NIE	180.5	21	Sn	8:13:34.44	0.11

425.

2024-03-21 time: 8:17:13.56 UTC ML= 1.4  
lat: 47.425N lon: 18.705E h= 0.0 km  
erh= 8.5km erz= 8.4km  
nr= 12 gap=157 rms=0.70  
Locality: Etyek  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PBUD	23.6	79	Sg	8:17:22.26	1.19
PKSG	24.0	261	Pg	8:17:18.09	0.25
			Sg	17:21.24	0.05
BUD	24.9	75	Sg	8:17:21.62	0.14
CSKK	34.2	258	Pg	8:17:20.60	0.93
			Sg	17:24.22	-0.22
PKST	53.9	250	Sg	8:17:30.36	-0.34
MPLH	92.6	252	Sg	8:17:42.16	-0.83
PSZ	104.8	58	Sg	8:17:45.30	-1.58
MORH	134.5	182	Sn	8:17:55.14	-0.79
PKSM	135.0	182	Sn	8:17:55.62	-0.41
KOVH	155.6	197	Sn	8:18:00.57	-0.05

426.

2024-03-21 time: 8:30:20.03 UTC ML= 1.9  
lat: 48.717N lon: 18.453E h= 0.0 km  
erh= 4.2km erz= 5.5km  
nr= 12 gap= 97 rms=1.25  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZBNS	48.4	17	Pg	8:30:29.47	0.80
			Sg	30:34.95	-0.46
JAVC	59.6	285	Pg	8:30:31.51	0.84
			Sg	30:38.00	-0.97
LANS	88.7	57	Pg	8:30:36.44	0.58
MODS	94.8	246	Pg	8:30:37.06	0.11
			Sg	30:49.27	-0.89
PENC	120.0	149	Sg	8:30:55.53	-2.64
MORC	135.2	331	Pn	8:30:43.80	-0.12
			Sn	30:59.92	-2.64
KECS	152.2	100	Pn	8:30:48.10	2.06
			Sn	31:04.46	-1.86

427.

2024-03-21 time: 8:52:19.76 UTC ML= 1.7  
lat: 48.598N lon: 20.784E h= 0.0 km  
erh= 2.3km erz= 5.2km  
nr= 11 gap= 92 rms=0.65  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.5	240	Pg	8:52:24.80	0.49
			Sg	52:27.69	-0.18
ABAH	47.6	135	Pg	8:52:28.60	0.34
			Sg	52:34.18	-0.71
STHS	97.0	20	Pg	8:52:37.76	0.68
PSZ	100.4	221	Pg	8:52:37.90	0.21
			Sg	52:50.70	-0.98
LANS	114.4	302	Pg	8:52:40.24	0.04
			Sg	52:54.36	-1.78
TRPA	140.1	112	Pn	8:52:44.33	0.07
			Sn	53:01.05	-2.32

428.

2024-03-21 time: 9:19:57.70 UTC ML= 1.4  
lat: 46.057N lon: 22.078E h= 0.0 km  
erh= 5.1km erz= \*\*\*km  
nr= 7 gap=175 rms=0.77  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	33.9	174	Pg	9:20:04.15	0.41
			Sg	20:08.94	0.48
BZS	60.6	216	Pg	9:20:08.95	0.43
			Sg	20:15.44	-1.53
GZR	91.6	144	Sg	9:20:25.55	-1.28
DRGR	95.1	31	Pg	9:20:15.24	0.56
			Sg	20:27.04	-0.88

429.

2024-03-21 time: 9:45:23.93 UTC ML= 1.5  
lat: 47.968N lon: 16.117E h= 0.0 km  
erh= 2.5km erz= 4.5km  
nr= 10 gap=113 rms=0.68  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	19.6	257	Pg	9:45:27.68	0.26
			Sg	45:30.32	0.18
RONA	32.8	156	Pg	9:45:30.45	0.67
			Sg	45:34.46	0.11
ARSA	91.5	209	Sg	9:45:50.79	-2.21
MODS	97.4	62	Sg	9:45:54.21	-0.67
KRUC	123.3	10	Pg	9:45:46.58	0.63
			Sg	46:02.31	-0.81
VRAC	153.1	13	Pn	9:45:49.37	-0.68
			Sn	46:10.57	0.15

430.

2024-03-21 time: 9:53:36.84 UTC ML= 2.1  
lat: 48.436N lon: 17.203E h= 0.0 km  
erh= 1.2km erz= 2.0km  
nr= 24 gap= 79 rms=0.58  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	8.9	141	PgU	9:53:38.53	0.10
			Sg	53:39.66	-0.01

## Hypocenter Parameters

SMOL	18.8	63	Pg	9:53:40.26	0.06
			Sg	53:42.77	-0.05
ZST	27.7	196	Pg	9:53:42.22	0.43
			Sg	53:45.40	-0.25
JAVC	58.3	36	Pg	9:53:47.65	0.39
			Sg	53:53.50	-1.89
KRUC	91.5	320	Pg	9:53:53.63	0.45
			Sg	54:05.70	-0.22
SOP	96.5	210	Sg	9:54:07.35	-0.17
			Pg	9:53:55.94	0.14
RONA	106.2	220	Sg	54:09.56	-1.03
			Pg	9:53:56.73	0.81
VRAC	106.8	335	Sg	54:09.86	-0.93
			Pg	9:53:57.79	0.48
CONA	114.6	240	Sg	54:12.29	-0.98
			Pn	9:54:01.68	-0.27
PKST	144.9	155	Sn	54:18.52	-3.01*
			Pn	9:54:02.71	-0.02
MORC	151.2	9	Sn	54:20.57	-2.34
			Pn	9:54:07.03	0.44
ARSA	182.2	224	Sn	54:29.42	-0.38
			Sn	9:54:30.30	-0.09

431.

2024-03-21 time: 10:00:07.98 UTC ML= 1.0  
 lat: 47.236N lon: 18.291E h= 0.0 km  
 erh= 1.4km erz= 486km  
 nr= 10 gap=119 rms=0.38  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.4	351	Pg	10:00:10.48	-0.07
			Sg	00:13.08	0.53
PKSG	19.0	24	Pg	10:00:11.43	0.06
			Sg	00:13.71	-0.30
PKST	19.6	278	Pg	10:00:11.15	-0.33
			Sg	00:13.55	-0.65
MPLH	57.4	263	Sg	10:00:27.01	0.79
PKB1	63.0	143	Pg	10:00:19.37	0.14
PKSM	116.9	167	Pg	10:00:28.95	0.09
			Sg	00:42.33	-2.81*

432.

2024-03-21 time: 12:15:04.95 UTC ML= 1.3  
 lat: 47.863N lon: 16.053E h= 0.0 km  
 erh= 1.9km erz= 3.0km  
 nr= 7 gap=124 rms=1.18  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.0	297	Pg	12:15:09.09	1.27
			Sg	15:10.39	0.34
RONA	25.7	135	Pg	12:15:10.51	0.96
			Sg	15:13.34	0.20
ARSA	78.9	210	Sg	12:15:28.40	-1.64
KRUC	135.7	11	Pn	12:15:28.17	-0.73
			Sn	15:45.12	-2.46

433.

2024-03-21 time: 19:19:59.25 UTC ML= 1.8  
 lat: 45.893N lon: 16.004E h= 10.0 km  
 erh= 3.5km erz= 2.3km  
 nr= 12 gap=169 rms=0.73  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.7	283	Pg	19:20:00.91	-0.24
			Sg	20:02.21	-0.43
ZAG	7.1	186	Pg	19:20:01.15	-0.29

## Földrengés paraméterek

SMOL	18.8	63	Sg	20:02.33	-0.82
			Pg	19:20:07.84	0.68
ZST	27.7	196	Sg	20:13.58	0.25
			Pg	19:20:11.72	0.80
JAVC	58.3	36	Sg	20:20.19	0.16
			Sg	19:20:22.01	-1.02
KRUC	91.5	320	S*	19:20:31.92	-1.38
			Pn	19:20:20.43	1.09
SOP	96.5	210	Sn	20:34.12	-0.90
			Pg	19:20:07.84	0.68
RONA	106.2	220	Sg	20:13.58	0.25
			Pg	19:20:11.72	0.80
VRAC	106.8	335	Sg	20:20.19	0.16
			Sg	19:20:22.01	-1.02
CONA	114.6	240	S*	19:20:31.92	-1.38
			Pn	19:20:20.43	1.09
PKST	144.9	155	Sn	20:34.12	-0.90
			Pg	19:20:07.84	0.68
MORC	151.2	9	Sg	20:13.58	0.25
			Pg	19:20:11.72	0.80
ARSA	182.2	224	Sg	20:20.19	0.16
			Sg	19:20:22.01	-1.02
KRUC	135.7	11	S*	19:20:31.92	-1.38
			Pn	19:20:20.43	1.09
PTJ	3.7	283	Sn	20:34.12	-0.90
			Pg	19:20:07.84	0.68
ZAG	7.1	186	Sg	20:13.58	0.25
			Pg	19:20:11.72	0.80

434.

2024-03-22 time: 8:09:21.78 UTC ML= 1.8  
 lat: 47.807N lon: 19.964E h= 0.0 km  
 erh= 6.1km erz= 8.2km  
 nr= 8 gap=188 rms=1.08  
 Locality: Gyöngyössolymos  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	13.4	337	PgU	8:09:24.60	0.42
			Sg	09:25.46	-0.58
PENC	51.2	268	Pg	8:09:32.54	1.62
			Sg	09:38.21	0.16
KECS	84.6	27	Sg	8:09:47.65	-1.02
ABAH	109.5	60	Sg	8:09:56.77	0.18
PKSG	127.0	249	Sg	8:10:00.39	-1.77
CSKK	137.3	249	Sn	8:10:03.20	-1.59

435.

2024-03-22 time: 9:01:54.13 UTC ML= 1.9  
 lat: 48.338N lon: 19.893E h= 0.0 km  
 erh= 3.2km erz= \*\*\*km  
 nr= 10 gap=134 rms=0.87  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	46.7	180	Pg	9:02:02.48	0.02
			Sg	02:08.27	-0.69
KECS	46.7	70	Pg	9:02:03.55	1.08
			Sg	02:09.30	0.32
LANS	95.6	341	Pg	9:02:12.16	0.96
			Sg	02:23.77	-0.75
ABAH	99.9	93	Sg	9:02:24.67	-1.22
NIE	124.1	14	Pg	9:02:16.56	0.28
			Sg	02:31.83	-1.74
ZBNS	127.7	314	Sg	9:02:33.55	-1.16

436.

2024-03-22 time: 9:46:38.77 UTC ML= 1.5  
 lat: 48.451N lon: 17.176E h= 0.0 km  
 erh= 1.4km erz= 153km  
 nr= 5 gap=260 rms=0.07  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	11.4	139	PgU	9:46:40.76	-0.05
			Sg	46:42.50	0.11
SMOL	20.0	69	Pg	9:46:42.35	0.01
			Sg	46:45.02	-0.11
JAVC	58.3	39	Sg	9:46:57.37	0.07

437.

2024-03-25 time: 7:56:31.29 UTC ML= 1.4  
 lat: 47.978N lon: 20.351E h= 0.0 km  
 erh= 0.7km erz= 120km  
 nr= 6 gap=197 rms=0.08  
 Locality: Szarvaskő  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PSZ	34.8	259	Pg	7:56:37.52	0.02
			Sg	56:42.29	-0.05
KECS	57.1	10	Pg	7:56:41.62	0.13
			Sg	56:49.40	-0.05
ABAH	75.0	62	Pg	7:56:44.63	-0.06
			Sg	56:55.04	-0.09

438.

2024-03-25 time: 8:29:11.89 UTC ML= 1.5  
 lat: 47.880N lon: 20.130E h= 0.0 km  
 erh= 3.6km erz= 2.5km  
 nr= 8 gap=187 rms=0.70  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	18.1	284	Pg	8:29:15.85	0.72
			Sg	29:17.83	0.18
KECS	72.1	22	Sg	8:29:34.81	0.00
ABAH	94.7	61	Sg	8:29:41.98	-0.02
PKSG	141.5	247	Sn	8:29:54.38	-1.44
LANS	149.5	341	Sn	8:29:56.18	-1.42
NIE	171.7	5	Sn	8:30:02.68	0.17
ZBNS	177.6	322	Sn	8:30:04.05	0.23

439.

2024-03-25 time: 9:18:56.72 UTC ML= 1.5  
 lat: 48.850N lon: 21.092E h= 0.0 km  
 erh= 3.6km erz= 7.4km  
 nr= 9 gap=117 rms=1.42  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	60.5	228	Pg	9:19:07.96	0.44
			Sg	19:15.79	-0.15
ABAH	62.5	170	Pg	9:19:09.84	1.96
			Sg	19:15.94	-0.65
STHS	64.0	10	Pg	9:19:09.21	1.06
			Sg	19:16.80	-0.27
NIE	85.1	318	Sg	9:19:22.67	-1.09
LANS	123.5	286	Sg	9:19:33.63	-2.34
TRPA	133.6	127	Sn	9:19:35.98	-2.90

440.

2024-03-25 time: 9:44:50.32 UTC ML= 1.5  
 lat: 48.665N lon: 20.777E h= 0.0 km  
 erh= 7.2km erz= \*\*\*km  
 nr= 7 gap=162 rms=1.23  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	29.5	227	Pg	9:44:56.73	1.15
			Sg	45:00.24	0.55
ABAH	53.4	140	Pg	9:45:01.37	1.51
			Sg	45:06.55	-0.75
NIE	90.5	338	Pg	9:45:06.22	-0.26
PSZ	105.7	218	Pg	9:45:07.19	-2.01
			Sg	45:22.93	-0.99

441.

2024-03-25 time: 10:34:30.59 UTC ML= 1.6  
 lat: 48.867N lon: 21.547E h= 0.0 km  
 erh= 3.6km erz= \*\*\*km  
 nr= 10 gap=103 rms=1.05  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	53.8	82	Pg	10:34:41.57	1.38
			Sg	34:47.83	0.15
STHS	65.0	340	Pg	10:34:42.82	0.63
			Sg	34:51.35	0.11
KECS	89.0	241	Pg	10:34:47.28	0.79
			Sg	34:58.08	-0.81
NIE	108.9	304	Sg	10:35:03.56	-1.65
TRPA	110.0	138	Pg	10:34:49.94	-0.28
			Sg	35:04.34	-1.20
KWP	119.9	45	Sg	10:35:06.06	-2.62

442.

2024-03-25 time: 10:35:39.40 UTC ML= 1.9  
 lat: 48.363N lon: 19.789E h= 0.0 km  
 erh= 2.9km erz= \*\*\*km  
 nr= 14 gap= 77 rms=1.06  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	50.1	171	Pg	10:35:48.76	0.42
			Sg	35:54.38	-0.94
KECS	53.2	75	Pg	10:35:49.86	0.96
			Sg	35:55.22	-1.10
PENC	74.1	211	Pg	10:35:53.13	0.51
			Sg	36:02.63	-0.31
LANS	90.7	345	Pg	10:35:57.25	1.66
			Sg	36:07.78	-0.44
ABAH	107.8	94	Pg	10:35:59.53	0.89
			Sg	36:11.52	-2.14
ZBNS	120.2	315	Sg	10:36:16.05	-1.56
NIE	123.5	18	Pg	10:36:01.31	-0.14
			Sg	36:17.22	-1.44
SRO	125.8	241	Sg	10:36:17.76	-1.63

443.

2024-03-25 time: 11:05:17.89 UTC ML= 1.3  
 lat: 47.579N lon: 18.444E h= 0.0 km  
 erh= 3.1km erz= 6.0km  
 nr= 15 gap= 92 rms=1.38  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.2	191	Pg	11:05:22.41	0.74
			Sg	05:24.99	0.37
CSKK	27.7	210	Pg	11:05:24.21	1.38
			Sg	05:27.37	0.68
SRO	27.9	339	Sg	11:05:28.34	1.59
PBUD	44.6	106	Sg	11:05:31.89	-0.17
BUD	44.9	104	Sg	11:05:32.28	0.12
PKST	47.1	221	Pg	11:05:27.76	1.46
			Sg	05:32.91	0.04
MPLH	82.1	236	Sg	11:05:41.99	-1.98
EGYH	85.7	258	Sg	11:05:42.69	-2.45
PSZ	115.1	71	Sg	11:05:52.52	-1.96
MODS	124.1	315	Sg	11:05:56.38	-0.96
MORH	152.3	174	Sn	11:06:02.03	-2.18
PKSM	152.7	174	Sn	11:06:01.88	-2.42

444.

2024-03-25 time: 12:44:55.83 UTC ML= 2.0  
 lat: 47.342N lon: 16.338E h= 0.0 km  
 erh= 2.3km erz= 3.2km  
 nr= 28 gap= 71 rms=1.17  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	39.8	356	Pg	12:45:03.49	0.55

## Hypocenter Parameters

	sta	dist	azm	phase	hr	mn	sec	res
				Sg	45:08.66		0.17	
SOP	41.4	24		Pg	12:45:03.17		-0.05	
				Sg	45:09.02		0.04	
ARSA	62.5	261		Pg	12:45:07.40		0.42	
				Sg	45:14.09		-1.59	
CONA	74.3	331		Pg	12:45:10.43		1.33	
				Sg	45:18.16		-1.29	
EGYH	75.5	84		Pg	12:45:09.56		0.24	
				Sg	45:18.67		-1.17	
MPLH	93.0	102		Pg	12:45:12.80		0.37	
				Sg	45:23.48		-1.90	
KOGS	99.6	184		Pg	12:45:14.13		0.51	
				Sg	45:25.60		-1.90	
BEHE	102.6	161		Pg	12:45:14.76		0.62	
				Sg	45:27.36		-1.07	
ZST	110.9	31		Sg	12:45:29.16		-1.92	
GROS	116.9	213		Pg	12:45:17.07		0.37	
				Sg	45:31.27		-1.71	
PERS	121.7	230		Sg	12:45:32.41		-2.09	
SOKA	123.7	233		Pg	12:45:18.56		0.64	
MODS	134.5	32		Pn	12:45:20.16		0.52	
				Sn	45:35.70		-2.50	
PTJ	163.0	190		Sn	12:45:42.38		-2.14	
CRES	181.6	202		Pn	12:45:28.09		2.58	
				Sn	45:50.54		1.88	
KRUC	191.2	1		Pn	12:45:27.48		0.77	
				Sn	45:50.01		-0.78	

445.

2024-03-26 time: 8:40:14.77 UTC ML= 1.9  
 lat: 48.182N lon: 16.934E h= 0.0 km  
 erh= 4.2km erz= 486km  
 nr= 5 gap=255 rms=0.23  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	12.6	83	PgU	8:40:17.17		0.15	
			Sg	40:18.35		-0.43	
MODS	33.2	50	Pg	8:40:20.97		0.27	
			Sg	40:25.15		-0.18	
KRUC	105.6	338	Pg	8:40:33.49		-0.14	

446.

2024-03-26 time: 9:07:09.01 UTC ML= 1.5  
 lat: 48.588N lon: 20.803E h= 0.0 km  
 erh= 2.9km erz= \*\*\*km  
 nr= 10 gap=116 rms=0.79  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.1	244	Pg	9:07:13.23		-0.45	
			Sg	07:16.59		-0.74	
ABAH	45.8	135	Pg	9:07:17.14		-0.05	
			Sg	07:23.48		-0.09	
STHS	97.7	19	Pg	9:07:27.08		0.62	
			Sg	07:38.19		-1.87	
NIE	99.1	339	Pg	9:07:27.63		0.91	
			Sg	07:39.29		-1.23	
PSZ	100.4	222	Pg	9:07:27.86		0.91	
			Sg	07:40.39		-0.55	

447.

2024-03-26 time: 9:55:09.52 UTC ML= 1.9  
 lat: 46.030N lon: 22.816E h= 0.0 km  
 erh= 2.1km erz= 4.1km  
 nr= 11 gap=116 rms=0.54  
 Locality: Romania  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
DEV	17.6	158	Pg	9:55:12.76		0.10	
			Sg	55:15.73		0.61	
SURR	61.8	240	Pg	9:55:21.06		0.50	
			Sg	55:29.20		0.03	
GZR	70.8	183	Pg	9:55:22.00		-0.16	
			Sg	55:31.07		-0.96	
DRGR	85.1	355	Pg	9:55:25.28		0.57	
			Sg	55:35.77		-0.79	
BZS	103.9	244	Sg	9:55:41.40		-1.16	
VOIR	185.9	111	Pn	9:55:39.84		0.11	
			Sn	56:02.85		-0.45	

448.

2024-03-26 time: 10:41:43.62 UTC ML= 1.1  
 lat: 47.209N lon: 18.252E h= 0.0 km  
 erh= 2.3km erz= 746km  
 nr= 9 gap=138 rms=0.56  
 Locality: Csőr  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	17.2	2	Pg	10:41:46.93		0.24	
			Sg	41:48.65		-0.43	
PKST	17.4	289	Pg	10:41:47.36		0.63	
			Sg	41:48.84		-0.32	
PKSG	22.9	27	Pg	10:41:47.95		0.25	
			Sg	41:50.21		-0.68	
TIH	43.9	218	Sg	10:41:56.56		-1.00	
MORH	114.4	165	Pg	10:42:04.54		0.49	
			Sg	42:18.93		-1.05	

449.

2024-03-26 time: 11:49:18.78 UTC ML= 1.3  
 lat: 48.592N lon: 20.805E h= 0.0 km  
 erh= 2.9km erz= 801km  
 nr= 7 gap=157 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.5	243	Pg	11:49:23.56		0.05	
			Sg	49:26.52		-0.67	
ABAH	46.0	136	Pg	11:49:27.61		0.61	
			Sg	49:32.76		-0.64	
NIE	98.8	339	Sg	11:49:49.76		-0.41	
PSZ	100.9	222	Pg	11:49:37.36		0.57	
			Sg	49:50.06		-0.78	

450.

2024-03-26 time: 11:53:25.19 UTC ML= 1.8  
 lat: 47.322N lon: 18.455E h= 0.0 km  
 erh= 2.1km erz= 4.0km  
 nr= 8 gap=115 rms=0.50  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	9.1	328	PgU	11:53:27.24		0.42	
			Sg	53:27.53		-0.56	
CSKK	15.4	287	Pg	11:53:28.53		0.60	
			Sg	53:29.27		-0.80	
MORH	123.8	173	Sg	11:54:04.62		0.08	
PKSM	124.2	173	Sg	11:54:04.62		-0.06	
PSZ	126.9	59	Sg	11:54:05.09		-0.44	
KOVH	139.8	191	Sn	11:54:08.28		-0.46	



## Földrengés paraméterek

## Hypocenter Parameters

451.

2024-03-26 time: 12:07:58.69 UTC ML= 1.8  
lat: 47.323N lon: 18.483E h= 0.0 km  
erh= 1.3km erz= 439km  
nr= 8 gap=116 rms=0.32  
Locality: Lovasberény  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.3	318	PgU	12:08:00.67			0.13
			Sg	08:01.45			-0.52
CSKK	17.4	285	Pg	12:08:02.15			0.36
			Sg	08:03.79			-0.42
PKST	34.7	258	Sg	12:08:09.62			-0.09
MORH	123.7	174	Sg	12:08:38.42			0.40
PKSM	124.2	174	Sg	12:08:37.79			-0.37
PSZ	125.1	58	Sg	12:08:38.42			-0.03

452.

2024-03-26 time: 12:38:15.57 UTC ML= 1.0  
lat: 47.555N lon: 16.328E h= 0.0 km  
erh= 3.1km erz= 4.7km  
nr= 10 gap= 86 rms=0.87  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.3	352	PgU	12:38:19.38			0.91
			Sg	38:20.90			0.16
SOP	22.4	51	Pg	12:38:20.26			0.69
			Sg	38:22.34			-0.36
CONA	54.3	320	Sg	12:38:32.13			-0.70
ARSA	69.6	241	Sg	12:38:37.53			-0.15
MODS	115.4	38	Sg	12:38:50.05			-2.19
KOGS	123.2	183	Sg	12:38:53.33			-1.40
PKSG	156.5	97	Sn	12:39:03.66			0.83
KRUC	167.6	2	Sn	12:39:04.92			-0.37

453.

2024-03-27 time: 9:23:33.57 UTC ML= 1.8  
lat: 48.551N lon: 19.372E h= 0.0 km  
erh= 3.6km erz= 6.0km  
nr= 13 gap=136 rms=1.02  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	67.0	6	Pg	9:23:45.51			-0.02
			Sg	23:54.82			-0.05
PSZ	80.4	151	Pg	9:23:48.32			0.40
			Sg	23:58.19			-0.92
KECS	82.6	95	Pg	9:23:47.86			-0.46
			Sg	23:58.98			-0.84
ZBNS	84.1	320	Sg	9:23:59.20			-1.09
PENC	84.8	185	Pg	9:23:49.50			0.78
			Sg	24:00.14			-0.40
NIE	118.6	36	Pg	9:23:55.60			0.86
			Sg	24:09.45			-1.80
ABAH	141.1	102	Pn	9:24:00.23			2.04
			Sn	24:15.41			-1.99

454.

2024-03-27 time: 11:57:08.25 UTC ML= 1.9  
lat: 46.366N lon: 22.824E h= 10.0 km  
erh= 4.0km erz= 3.8km  
nr= 11 gap=125 rms=0.84  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
DRGR	48.1	350	Pg	11:57:15.98			-1.05
			Sg	57:23.70			-0.18
CJR	70.8	57	Pg	11:57:22.04			1.01
			Sg	57:29.61			-1.38
SURR	86.9	219	Pg	11:57:24.09			0.22
			Sg	57:36.65			0.59
GZR	108.1	182	Pn	11:57:27.84			0.35
			Sn	57:41.73			-0.77
BZS	125.2	228	Pn	11:57:29.55			-0.07
			Sn	57:45.82			-0.47
TRPA	197.4	354	Pn	11:57:41.46			2.84

455.

2024-03-27 time: 14:04:21.70 UTC ML= 2.0  
lat: 48.192N lon: 21.250E h= 0.0 km  
erh= 2.2km erz= 3.3km  
nr= 12 gap=108 rms=0.63  
Locality: Mád  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	11.6	356	Pg	14:04:24.11			0.34
			Sg	04:25.15			-0.23
KECS	65.3	300	Pg	14:04:34.02			0.66
			Sg	04:41.84			-0.61
TRPA	96.1	94	Pg	14:04:38.58			-0.29
			Sg	04:51.89			-0.37
PSZ	105.6	253	Pg	14:04:40.80			0.24
			Sg	04:54.76			-0.50
NIE	152.8	333	Pn	14:04:47.84			0.05
LANS	169.1	309	Sn	14:05:10.41			-1.34
DRGR	190.7	145	Pn	14:04:54.37			1.85
			Sn	05:14.98			-1.57

456.

2024-03-28 time: 8:36:29.83 UTC ML= 1.6  
lat: 48.674N lon: 19.689E h= 0.0 km  
erh= 3.4km erz= 6.5km  
nr= 8 gap=108 rms=0.65  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	55.4	343	Pg	8:36:39.78			0.06
			Sg	36:47.61			0.17
KECS	62.5	110	Pg	8:36:42.20			1.21
			Sg	36:48.89			-0.80
PSZ	85.4	170	Pg	8:36:45.11			0.02
			Sg	36:56.61			-0.38
NIE	94.5	29	Sg	8:36:58.87			-1.01
JAVC	149.8	278	Sn	8:37:15.19			-0.41

457.

2024-03-28 time: 9:33:58.67 UTC ML= 1.1  
lat: 46.191N lon: 18.263E h= 0.0 km  
erh= 1.8km erz= 293km  
nr= 7 gap=217 rms=0.20  
Locality: Komlő  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.0	228	Pg	9:34:01.61			-0.10
			Sg	34:04.41			0.33
PKSM	29.3	86	Pg	9:34:03.70			-0.20
			Sg	34:08.16			0.18
MORH	29.6	85	Pg	9:34:04.17			0.22
			Sg	34:07.91			-0.15
PKSV	33.7	181	Sg	9:34:09.20			-0.17

## Hypocenter Parameters

## Földrengés paraméterek

458.

2024-03-28 time: 10:00:53.22 UTC ML= 1.6  
lat: 47.080N lon: 18.026E h= 0.0 km  
erh= 2.0km erz= 5.5km  
nr= 14 gap= 97 rms=0.70  
Locality: Litér  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.9	2	Pg	10:00:57.06	0.28
			Sg	00:59.44	-0.11
TIH	22.4	207	Pg	10:00:57.74	0.52
			Sg	01:00.31	-0.04
CSKK	36.1	29	Sg	10:01:04.02	-0.69
MPLH	38.3	285	Sg	10:01:04.60	-0.78
PKSG	44.3	39	Sg	10:01:08.01	0.70
MORH	107.1	154	Pg	10:01:13.28	0.94
			Sg	01:25.91	-1.35
PKSM	107.4	154	Pg	10:01:13.05	0.65
			Sg	01:26.62	-0.73
KOVH	110.4	177	Pg	10:01:12.85	-0.08
			Sg	01:27.20	-1.11
PSZ	168.8	56	Sn	10:01:41.80	-1.41

459.

2024-03-28 time: 10:07:06.67 UTC ML= 1.9  
lat: 48.958N lon: 21.266E h= 0.0 km  
erh= 2.8km erz= 3.0km  
nr= 11 gap=136 rms=0.74  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	51.1	358	Pg	10:07:15.64	-0.15
			Sg	07:23.76	0.86
ABAH	73.6	182	Sg	10:07:30.15	0.08
KECS	78.0	227	Pg	10:07:20.79	0.19
			Sg	07:31.24	-0.22
NIE	86.3	306	Sg	10:07:33.56	-0.55
TRPA	131.5	134	Sn	10:07:47.44	-0.94
LANS	133.2	279	Sn	10:07:46.97	-1.78
PSZ	153.8	221	Pn	10:07:34.03	1.15
			Sn	07:53.37	0.04
ZBNS	192.8	276	Sn	10:08:05.85	3.87*

460.

2024-03-28 time: 11:21:34.11 UTC ML= 0.7  
lat: 47.177N lon: 18.329E h= 0.0 km  
erh= 1.7km erz= 4.0km  
nr= 10 gap=112 rms=0.50  
Locality: Székesfehérvár  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	21.3	346	Pg	11:21:38.00	0.09
			Sg	21:40.30	-0.58
PKST	24.1	292	Pg	11:21:38.62	0.21
			Sg	21:41.39	-0.37
PKSG	24.3	11	Pg	11:21:38.70	0.25
			Sg	21:42.33	0.49
MORH	109.6	167	Sg	11:22:09.82	0.89
PKSM	110.0	167	Sg	11:22:08.92	-0.13
KOVH	122.3	188	Sg	11:22:12.16	-0.82
PSZ	143.8	55	Sn	11:22:17.17	-1.38

461.

2024-03-28 time: 14:06:18.56 UTC ML= 1.3  
lat: 47.852N lon: 16.024E h= 0.0 km  
erh= 4.2km erz= 5.7km  
nr= 10 gap= 80 rms=1.16  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.9	305	Pg	14:06:22.17	0.96
			Sg	06:23.30	0.02
RONA	26.5	130	Pg	14:06:24.04	0.75
			Sg	06:27.82	0.84
ARSA	76.8	209	Sg	14:06:40.19	-2.77
MODS	109.9	58	Sg	14:06:52.78	-0.71
KRUC	137.3	12	Pn	14:06:42.52	-0.20
			Sn	06:59.57	-1.99
VRAC	167.3	15	Sn	14:07:07.25	-0.97
KBA	219.6	247	Sn	14:07:22.13	2.32

462.

2024-03-28 time: 23:14:38.28 UTC ML= 1.9  
lat: 47.917N lon: 17.928E h= 12.7 km  
erh= 1.1km erz= 1.0km  
nr= 25 gap=141 rms=0.43  
Locality: Slovakia  
Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	31.0	112	PgU	23:14:43.76	-0.50
			Sg	14:48.29	-0.64
CSKK	66.5	158	Sg	23:14:59.54	-0.24
PKSG	68.0	149	Pg	23:14:51.28	0.66
			Sg	14:59.90	-0.35
ZST	68.9	297	Pg	23:14:50.80	0.01
			Sg	15:00.96	0.41
MODS	70.2	316	Sg	23:15:01.04	0.10
EGYH	71.4	219	Pg	23:14:51.35	0.13
			Sg	15:01.94	0.62
PKST	73.6	174	Pg	23:14:51.79	0.18
			Sg	15:01.85	-0.17
SMOL	76.0	331	Sg	23:15:03.07	0.30
MPLH	88.1	199	Pg	23:14:53.90	-0.26
			Sg	15:05.83	-0.72
SOP	105.9	256	Sn	23:15:10.72	-0.69
RONA	124.6	259	Pn	23:14:58.99	-0.24
			Sn	15:15.14	-0.43
CONA	154.5	270	Pn	23:15:03.16	0.21
KRUC	170.4	318	Pn	23:15:04.88	-0.06
			Sn	15:23.73	-2.01*
VRAC	183.4	328	Pn	23:15:06.92	0.37
			Sn	15:28.04	-0.57
MORH	196.8	164	Pn	23:15:09.24	1.01
PKSM	197.2	164	Pn	23:15:08.91	0.63

463.

2024-03-29 time: 14:18:09.81 UTC ML= 1.7  
lat: 45.913N lon: 16.004E h= 8.1 km  
erh= 0.8km erz= 0.7km  
nr= 7 gap=167 rms=0.09  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.8	248	PgU	14:18:11.49	0.08
			Sg	18:12.62	-0.04
ZAG	9.4	185	Pg	14:18:12.02	0.00
			Sg	18:13.69	-0.06
CRES	43.6	257	Pg	14:18:17.81	0.09
			Sg	18:23.56	-0.33
KOGS	62.4	18	Pg	14:18:21.00	-0.05

## Földrengés paraméterek

## Hypocenter Parameters

464.  
 2024-03-31 time: 4:36:40.49 UTC ML= 1.8  
 lat: 47.656N lon: 20.332E h= 12.4 km  
 erh= 1.2km erz= 1.2km  
 nr= 6 gap=189 rms=0.16  
 Locality: Tenk  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	43.9	312	Sg	4:36:54.75	-0.24
PENC	80.2	281	Sg	4:37:06.53	0.24
KECS	92.7	7	S*	4:37:10.06	-0.14
ABAH	98.3	44	P*	4:36:58.16	0.13
			S*	37:11.66	-0.05
PKS7	111.4	233	Sn	4:37:14.84	-0.07

465.  
 2024-03-31 time: 15:07:24.52 UTC ML= 1.6  
 lat: 48.580N lon: 19.313E h= 6.5 km  
 erh= 2.8km erz= 3.3km  
 nr= 12 gap=114 rms=0.78  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
LANS	64.5	10	Pg	15:07:36.87	0.78
			Sg	07:44.60	-0.51
ZBNS	78.8	321	Pg	15:07:39.06	0.42
			Sg	07:48.43	-1.23
PSZ	85.3	150	Pg	15:07:40.39	0.59
			Sg	07:50.46	-1.25
KECS	87.3	97	Pg	15:07:40.62	0.48
			Sg	07:50.78	-1.55
PENC	87.8	182	Sg	15:07:51.87	-0.64
NIE	118.6	38	Sn	15:08:01.05	-0.83
ABAH	146.0	102	Pn	15:07:49.60	0.67
PKSG	149.0	208	Sn	15:08:08.51	-0.12

466.  
 2024-04-01 time: 1:23:30.44 UTC ML= 1.2  
 lat: 45.642N lon: 21.357E h= 5.9 km  
 erh= 0.9km erz= 1.2km  
 nr= 6 gap=113 rms=0.16  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	14.9	315	Sg	1:23:35.41	-0.13
BZS	20.5	98	Pg	1:23:34.12	-0.12
			Sg	23:37.22	0.01
BANR	33.6	211	Pg	1:23:36.79	0.25
			Sg	23:41.14	-0.16
DRGR	165.1	39	Sn	1:24:18.33	0.08

467.  
 2024-04-01 time: 7:00:07.12 UTC ML= 0.8  
 lat: 47.819N lon: 16.208E h= 13.6 km  
 erh= 1.8km erz= 1.8km  
 nr= 11 gap=114 rms=0.44  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.8	153	Pg	7:00:10.80	0.10
			Sg	00:13.12	-0.38
CONA	28.6	295	Pg	7:00:13.16	0.39
			Sg	00:17.07	-0.10
SOP	30.3	120	Pg	7:00:12.65	-0.40
			Sg	00:18.35	0.68
WINA	33.6	343	Pg	7:00:14.03	0.44

			Sg	00:18.23	-0.41
ARSA	81.5	219	Sg	7:00:32.71	-0.68
KRUC	138.9	6	Pn	7:00:30.13	0.39
			Sn	00:46.49	-0.90

468.  
 2024-04-01 time: 7:04:33.06 UTC ML= 0.6  
 lat: 47.828N lon: 16.246E h= 15.8 km  
 erh= 2.7km erz= 1.7km  
 nr= 8 gap=120 rms=0.50  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.7	165	Pg	7:04:37.31	0.40
			Sg	04:39.50	-0.41
SOP	28.4	124	Sg	7:04:43.22	-0.15
CONA	30.9	291	Pg	7:04:39.54	0.29
			Sg	04:43.92	-0.16
ARSA	84.2	220	S*	7:04:59.49	-0.39
ABNA	111.5	327	Sn	7:05:05.15	-1.58
KRUC	137.7	5	Sn	7:05:13.15	0.61

469.  
 2024-04-02 time: 6:21:56.36 UTC ML= 1.5  
 lat: 47.970N lon: 16.095E h= 0.0 km  
 erh= 3.6km erz= 6.3km  
 nr= 9 gap=139 rms=0.87  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.0	255	Pg	6:21:59.68	0.10
			Sg	22:03.28	1.20
RONA	33.6	153	Pg	6:22:02.34	-0.02
			Sg	22:07.66	0.62
ARSA	90.8	208	Sg	6:22:23.32	-1.89
KRUC	123.5	10	Pg	6:22:19.40	0.99
			Sg	22:34.12	-1.49
VRAC	153.3	14	Pn	6:22:22.30	-0.22
			Sn	22:42.03	-0.89

470.  
 2024-04-02 time: 7:58:35.40 UTC ML= 1.9  
 lat: 47.826N lon: 19.156E h= 0.0 km  
 erh= 5.4km erz=10.9km  
 nr= 13 gap=136 rms=1.58  
 Locality: Kosd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	10.2	113	Pg	7:58:39.51	2.29
			Sg	58:41.00	2.35
BUD	39.3	195	Sg	7:58:48.76	0.86
PBUD	41.5	195	Sg	7:58:49.62	1.03
PSZ	56.2	79	Sg	7:58:51.08	-2.19
PKSG	75.1	230	Sg	7:58:57.84	-1.42
PKS7	86.6	180	Sg	7:59:02.22	-0.69
PKST	105.4	233	Sg	7:59:07.71	-1.17
PKSN	116.4	152	Sg	7:59:10.99	-1.41
KECS	123.0	54	Pg	7:58:58.46	1.10
			Sg	59:12.71	-1.79
PKB2	128.2	177	Sg	7:59:14.05	-2.10
LANS	149.1	9	Sn	7:59:20.93	-0.07

## Hypocenter Parameters

## Földrengés paraméterek

471.

2024-04-02 time: 8:12:42.45 UTC ML= 1.9  
 lat: 48.649N lon: 19.020E h= 0.0 km  
 erh= 2.3km erz= 2.8km  
 nr= 22 gap= 58 rms=1.03  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZBNS	60.6	333	Pg	8:12:53.93	0.66
			Sg	13:01.93	0.23
LANS	64.7	31	Pg	8:12:53.79	-0.22
			Sg	13:02.29	-0.73
PENC	97.4	168	Pg	8:12:59.74	-0.11
			Sg	13:12.42	-1.00
JAVC	101.9	283	Sg	8:13:14.38	-0.46
PSZ	104.0	141	Pg	8:13:02.09	1.06
			Sg	13:14.29	-1.22
KECS	109.8	100	Pg	8:13:03.18	1.13
			Sg	13:13.66	-3.68
NIE	127.6	48	Pg	8:13:05.26	0.03
			Sg	13:21.07	-1.93
MODS	132.3	257	Sn	8:13:22.57	-1.77
PKSG	147.5	199	Sn	8:13:27.16	-0.54
MORC	165.3	319	Sn	8:13:30.86	-0.79
ABAH	168.8	103	Pn	8:13:12.10	1.57
			Sn	13:31.35	-1.08
STHS	183.7	62	Pn	8:13:14.45	2.06
			Sn	13:34.96	-0.78
EGYH	186.0	223	Sn	8:13:36.59	0.33
KRUC	198.0	283	Sn	8:13:38.61	-0.30

472.

2024-04-02 time: 13:31:35.87 UTC ML= 2.0  
 lat: 47.093N lon: 19.365E h= 0.0 km  
 erh= 3.9km erz= 759km  
 nr= 11 gap=186 rms=0.61  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.3	252	Pg	13:31:38.85	0.06
			Sg	31:40.88	-0.18
PKB5	73.3	221	Pg	13:31:50.08	1.12
PENC	77.8	355	Pg	13:31:50.44	0.67
PKB4	88.2	221	Pg	13:31:52.16	0.54
PSZ	100.1	23	PgU	13:31:53.09	-0.65
PKS9	100.1	236	Pg	13:31:53.10	-0.66
PKST	102.6	280	Pg	13:31:54.03	-0.16
MORH	112.0	210	Pg	13:31:55.52	-0.36
			Sg	32:09.61	-1.87
PKSM	112.5	209	Pg	13:31:55.91	-0.06

473.

2024-04-02 time: 13:32:12.75 UTC ML= 2.0  
 lat: 45.601N lon: 16.078E h= 14.3 km  
 erh= 3.8km erz= 1.4km  
 nr= 11 gap=289 rms=0.46  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	26.2	345	Sg	13:32:20.96	-1.27
PTJ	34.5	344	Pg	13:32:19.32	-0.10
			Sg	32:25.46	0.83
CRES	54.5	297	Pg	13:32:22.72	-0.09
			Sg	32:31.37	0.72
KOGS	95.1	8	P*	13:32:29.68	0.06
			S*	32:42.83	0.05
GROS	105.5	335	Pn	13:32:31.25	0.14
			Sn	32:44.40	-1.02
PERS	136.9	327	Sn	13:32:52.50	0.10

SOKA 144.4 326 Sn 13:32:54.06 0.00

474.

2024-04-02 time: 13:49:20.29 UTC ML= 1.5  
 lat: 46.124N lon: 21.528E h= 14.9 km  
 erh= 8.8km erz= 4.7km  
 nr= 6 gap=238 rms=0.48  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	56.8	173	Pg	13:49:30.90	0.12
			Sg	49:38.33	-0.63
SURR	61.9	132	Pg	13:49:31.61	-0.05
DRGR	117.3	51	Pn	13:49:40.53	0.48
			Sn	49:54.18	-1.29
GZR	126.6	130	Sn	13:49:57.94	0.42

475.

2024-04-02 time: 19:46:53.69 UTC ML= 1.6  
 lat: 46.095N lon: 21.604E h= 10.0 km  
 erh= 3.3km erz= 4.0km  
 nr= 11 gap=115 rms=0.74  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	49.7	217	Pg	19:47:02.94	0.20
BZS	53.1	179	PgU	19:47:03.96	0.61
			Sg	47:09.74	-1.14
SURR	55.4	133	Pg	19:47:04.51	0.77
			Sg	47:11.08	-0.49
AMBH	73.5	293	Pg	19:47:07.17	0.24
			Sg	47:16.17	-1.09
BANR	87.2	205	Sg	19:47:20.78	-0.80
DRGR	115.1	48	Pn	19:47:14.44	0.65
			Sn	47:27.51	-1.96
GZR	120.0	131	Sn	19:47:30.17	-0.40

476.

2024-04-03 time: 7:10:06.61 UTC ML= 2.0  
 lat: 48.426N lon: 17.280E h= 0.0 km  
 erh= 2.5km erz= 4.3km  
 nr= 20 gap=134 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.9	182	PgU	7:10:08.38	0.72
			Sg	10:09.51	1.03
SMOL	14.7	49	Sg	7:10:10.31	-0.96
ZST	28.8	207	Pg	7:10:11.86	0.11
			Sg	10:15.42	-0.34
JAVC	56.1	31	Pg	7:10:17.83	1.21
			Sg	10:22.27	-2.16
KRUC	96.1	317	Pg	7:10:24.34	0.58
			Sg	10:37.54	0.40
SOP	98.6	213	Sg	7:10:35.96	-1.99
RONA	109.1	222	Pg	7:10:26.53	0.44
			Sg	10:40.93	-0.36
VRAC	110.2	333	Pg	7:10:26.10	-0.19
			Sg	10:41.23	-0.42
CONA	119.2	242	Pg	7:10:27.38	-0.50
			Sg	10:42.24	-2.24
MORC	151.4	7	Pn	7:10:32.85	0.33
			Sn	10:49.42	-3.31
ARSA	185.5	225	Pn	7:10:37.07	0.30
			Sn	11:01.29	1.00

**Földrengés paraméterek**

477.

2024-04-03 time: 7:36:27.44 UTC ML= 1.9  
 lat: 48.370N lon: 17.354E h= 0.0 km  
 erh= 3.3km erz=15.8km  
 nr= 13 gap=201 rms=0.79  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.7	274	PgU	7:36:29.27	0.81
			Sg	36:30.25	1.00
SMOL	16.9	19	Pg	7:36:30.88	0.42
			Sg	36:32.95	0.14
ZST	26.9	224	Pg	7:36:32.48	0.24
			Sg	36:35.53	-0.45
JAVC	59.2	23	Pg	7:36:38.35	0.34
			Sg	36:45.32	-0.93
KRUC	104.4	317	Pg	7:36:45.63	-0.45
			Sg	36:58.70	-1.92
RONA	108.5	227	Pg	7:36:47.24	0.42
			Sg	37:00.39	-1.55
MORC	157.0	5	Sn	7:37:11.53	-3.28

478.

2024-04-03 time: 7:51:41.46 UTC ML= 1.4  
 lat: 48.581N lon: 20.784E h= 0.0 km  
 erh= 5.9km erz= \*\*\*km  
 nr= 7 gap=190 rms=0.84  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	244	Pg	7:51:46.33	0.48
			Sg	51:49.30	0.02
ABAH	46.3	133	Pg	7:51:49.61	-0.12
			Sg	51:55.64	-0.53
PSZ	99.0	222	Pg	7:52:00.33	1.19
			Sg	52:11.60	-1.33
LANS	115.5	303	Sg	7:52:16.69	-1.48

479.

2024-04-03 time: 8:24:47.09 UTC ML= 1.7  
 lat: 46.852N lon: 17.267E h= 0.0 km  
 erh= 2.7km erz= 4.6km  
 nr= 14 gap=112 rms=0.99  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.0	30	Pg	8:24:54.97	0.56
			Sg	24:59.59	-0.53
EGYH	63.0	5	Sg	8:25:07.10	-0.02
PKST	73.8	52	Pg	8:25:01.62	1.35
			Sg	25:10.39	-0.16
KOGS	89.8	240	Sg	8:25:15.40	-0.24
CSKK	94.4	53	Sg	8:25:15.71	-1.40
PKSG	104.3	55	Sg	8:25:19.15	-1.09
KOVH	106.3	143	Pg	8:25:07.80	1.72
			Sg	25:20.40	-0.49
MORH	127.2	124	Sg	8:25:26.20	-1.32
PKSM	127.3	124	Sg	8:25:26.90	-0.64
PKSV	131.3	145	Sn	8:25:28.00	-0.74
GROS	141.9	252	Sn	8:25:30.34	-0.76

132

**Hypocenter Parameters**

480.

2024-04-03 time: 8:32:06.54 UTC ML= 1.9  
 lat: 46.881N lon: 17.254E h= 0.0 km  
 erh= 1.7km erz= 2.6km  
 nr= 25 gap= 93 rms=0.88  
 Locality: Zalaszentő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	38.8	34	Pg	8:32:13.73	0.26
			Sg	32:18.59	-0.29
TIH	48.8	87	Sg	8:32:21.87	-0.17
EGYH	59.9	6	Sg	8:32:27.20	1.62
PKST	72.7	55	Pg	8:32:19.53	0.01
			Sg	32:30.01	0.37
PKS9	84.9	113	Sg	8:32:33.61	0.09
KOGS	90.6	238	Sg	8:32:36.27	0.93
CSKK	93.3	55	Pg	8:32:23.44	0.23
			Sg	32:36.90	0.69
PKSG	103.3	57	Pg	8:32:25.47	0.49
			Sg	32:37.37	-2.00
KOVH	109.5	144	Pg	8:32:27.35	1.27
			Sg	32:40.81	-0.52
PKB4	111.8	112	Sg	8:32:40.97	-1.10
RONA	116.3	321	Sg	8:32:41.44	-2.07
MORH	129.8	125	Pg	8:32:30.33	0.62
			Sg	32:46.29	-1.49
PKSM	129.8	125	Pg	8:32:30.48	0.76
			Sg	32:46.29	-1.52
SRO	131.0	38	Sn	8:32:47.54	-0.59
PKSV	134.4	145	Sn	8:32:47.70	-1.19
GROS	141.9	251	Pn	8:32:31.26	-0.01
			Sn	32:49.11	-1.45
CONA	156.9	318	Sn	8:32:53.18	-0.69

481.

2024-04-03 time: 9:57:21.39 UTC ML= 1.3  
 lat: 47.834N lon: 16.006E h= 0.0 km  
 erh= 1.9km erz= 9.7km  
 nr= 9 gap=105 rms=0.56  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.0	314	Pg	9:57:24.47	0.39
			Sg	57:25.88	-0.29
RONA	26.4	124	Pg	9:57:26.27	0.15
			Sg	57:29.56	-0.24
ARSA	74.4	209	Pg	9:57:34.49	-0.18
			Sg	57:44.59	-0.44
MODS	112.1	58	Pg	9:57:42.24	0.82
			Sg	57:56.01	-1.02
KRUC	139.5	12	Sn	9:58:02.27	-2.61

482.

2024-04-03 time: 10:03:54.62 UTC ML= 1.6  
 lat: 47.313N lon: 18.463E h= 0.0 km  
 erh= 2.5km erz= 4.8km  
 nr= 11 gap=116 rms=0.73  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.3	328	Pg	10:03:57.08	0.62
			Sg	03:57.51	-0.39
CSKK	16.3	290	Pg	10:03:58.13	0.60
			Sg	03:59.35	-0.45
PKST	33.0	260	Pg	10:04:01.23	0.72
			Sg	04:04.00	-1.10
MORH	122.8	174	Sg	10:04:32.80	-0.84
PKSM	123.2	174	Sg	10:04:33.27	-0.50
PSZ	126.9	58	Sg	10:04:34.13	-0.83

## Hypocenter Parameters

KOVH 139.0 192 Sn 10:04:38.28 0.30  
 MODS 147.6 323 Sn 10:04:36.01 -3.89

483.

2024-04-03 time: 12:44:27.37 UTC ML= 1.5  
 lat: 45.659N lon: 17.257E h= 0.0 km  
 erh= 3.7km erz= \*\*\*km  
 nr= 12 gap=112 rms=1.04  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	81.0	54	Pg	12:44:	43.22		1.39
			Sg		44:52.22		-0.88
PKSV	81.5	72	Pg	12:44:	43.04		1.12
			Sg		44:53.23		-0.03
BLY	101.3	183	Pg	12:44:	45.84		0.38
			Sg		44:58.76		-0.82
PTJ	104.6	285	Pg	12:44:	46.78		0.74
KOGS	117.3	318	Sg	12:45:	03.25		-1.42
PKSM	123.7	60	Pg	12:44:	49.14		-0.31
			Sg		45:04.42		-2.26
MORH	124.1	60	Pg	12:44:	49.60		0.07
			Sg		45:04.66		-2.15

484.

2024-04-03 time: 13:55:24.44 UTC ML= 2.0  
 lat: 47.089N lon: 19.380E h= 0.0 km  
 erh= 3.2km erz= 551km  
 nr= 10 gap=187 rms=0.43  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	17.3	254	Pg	13:55:	27.45		-0.07
			Sg		55:29.56		-0.37
PKB5	73.7	222	Pg	13:55:	38.52		0.92
PENC	78.3	355	Pg	13:55:	38.79		0.36
PKB4	88.6	222	Pg	13:55:	40.24		-0.02
PSZ	100.0	23	Pg	13:55:	41.89		-0.41
PKS9	100.8	236	Pg	13:55:	42.59		0.14
MORH	112.2	210	Pg	13:55:	44.19		-0.29
PKSM	112.7	210	Pg	13:55:	44.31		-0.26
			Sg		55:58.20		-2.07

485.

2024-04-04 time: 6:53:54.11 UTC ML= 1.9  
 lat: 48.533N lon: 17.465E h= 0.0 km  
 erh= 2.3km erz= 514km  
 nr= 9 gap=193 rms=0.38  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	3.4	232	Pg	6:53:	54.41		-0.31
			Sg		53:55.27		0.08
MODS	22.5	218	Pg	6:53:	58.01		-0.11
			Sg		54:01.53		0.28
JAVC	39.4	23	Pg	6:54:	00.79		-0.35
			Sg		54:07.33		0.71
ZST	46.0	216	Pg	6:54:	02.94		0.60
			Sg		54:08.26		-0.49
KRUC	98.2	307	Sg	6:54:	25.25		-0.07

## Földrengés paraméterek

486.

2024-04-04 time: 7:07:47.76 UTC ML= 1.6  
 lat: 48.099N lon: 21.367E h= 0.0 km  
 erh= 6.5km erz= \*\*\*km  
 nr= 7 gap=172 rms=1.10  
 Locality: Tokaj  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	23.8	337	Pg	7:07:	53.86		1.85
			Sg		07:55.42		0.09
KECS	78.1	303	Pg	7:08:	02.00		0.30
			Sg		08:11.86		-0.71
TRPA	87.4	88	Sg	7:08:	14.36		-1.18
PSZ	111.7	260	Sg	7:08:	22.19		-1.06
KOLS	114.4	36	Sg	7:08:	22.97		-1.15

487.

2024-04-04 time: 7:56:36.73 UTC ML= 1.5  
 lat: 48.596N lon: 20.799E h= 0.0 km  
 erh= 1.8km erz= 4.2km  
 nr= 11 gap= 92 rms=0.65  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.3	242	Pg	7:56:	41.78		0.36
			Sg		56:45.14		0.06
ABAH	46.6	136	Pg	7:56:	45.30		0.24
			Sg		56:51.64		0.08
STHS	96.9	20	Pg	7:56:	54.77		0.73
			Sg		57:06.66		-0.88
PSZ	100.9	222	Pg	7:56:	55.32		0.57
			Sg		57:08.31		-0.49
LANS	115.5	302	Pg	7:56:	57.19		-0.16
			Sg		57:11.83		-1.61
TRPA	139.0	112	Sn	7:57:	18.64		-1.46

488.

2024-04-04 time: 9:45:44.48 UTC ML= 1.5  
 lat: 47.603N lon: 18.334E h= 0.0 km  
 erh= 2.5km erz= 566km  
 nr= 9 gap=174 rms=0.44  
 Locality: Vérteszölös  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SRO	23.4	356	Sg	9:45:	51.75		-0.18
PKSG	23.9	170	Pg	9:45:	48.46		-0.28
			Sg		45:51.28		-0.79
CSKK	27.2	192	Pg	9:45:	49.48		0.13
			Sg		45:53.32		0.18
PKST	44.4	211	Pg	9:45:	53.40		0.98
			Sg		45:58.56		-0.05
MPLH	76.9	231	Pg	9:45:	58.09		-0.13
			Sg		46:08.73		-0.20

489.

2024-04-04 time: 10:07:42.02 UTC ML= 0.7  
 lat: 47.205N lon: 18.289E h= 0.0 km  
 erh= 2.9km erz= 701km  
 nr= 9 gap=146 rms=0.53  
 Locality: Iszka-szentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	17.7	353	Pg	10:07:	45.45		0.26
			Sg		07:47.21		-0.45
PKST	20.2	287	Pg	10:07:	45.84		0.22
			Sg		07:48.23		-0.20

**Földrengés paraméterek**
**Hypocenter Parameters**

PKSG 22.2 20 Pg 10:07:46.19 0.21  
Sg 07:48.58 -0.49  
MPLH 56.9 266 Pg 10:07:52.80 0.62  
Sg 07:59.22 -0.89  
PKSM 113.6 166 Sg 10:08:16.32 -1.82

490.

2024-04-04 time: 10:09:31.79 UTC ML= 0.7  
lat: 47.180N lon: 18.317E h= 0.0 km  
erh= 2.0km erz= 443km  
nr= 8 gap=145 rms=0.32  
Locality: Székesfehérvár  
Comments: probably explosion

sta dist azm phase hr mn sec res  
CSKK 20.9 348 Pg 10:09:35.56 0.04  
Sg 09:38.19 -0.23  
PKST 23.2 292 Pg 10:09:35.84 -0.09  
Sg 09:38.89 -0.27  
PKSG 24.3 13 Pg 10:09:36.46 0.34  
Sg 09:39.32 -0.18  
MPLH 59.0 269 Sg 10:09:51.00 0.47  
PKS6 114.8 124 Sg 10:10:06.99 -1.30

491.

2024-04-04 time: 13:09:32.75 UTC ML= 2.0  
lat: 47.084N lon: 19.387E h= 0.0 km  
erh= 5.2km erz= 958km  
nr= 10 gap=188 rms=0.75  
Locality: Tatárszentgyörgy  
Comments: probably explosion

sta dist azm phase hr mn sec res  
PKS7 17.6 257 Pg 13:09:36.00 0.10  
Sg 09:37.40 -0.96  
PKB5 73.7 222 Pg 13:09:47.34 1.43  
PENC 78.9 354 Pg 13:09:47.66 0.82  
PSZ 100.3 22 Pg 13:09:50.24 -0.42  
Sg 10:03.70 -0.94  
PKS9 101.0 237 Pg 13:09:50.30 -0.49  
MORH 112.0 210 Pg 13:09:52.82 0.06  
Sg 10:06.99 -1.38  
PKSM 112.5 210 Pg 13:09:53.06 0.21

492.

2024-04-04 time: 13:35:11.86 UTC ML= 1.2  
lat: 47.885N lon: 16.051E h= 0.0 km  
erh= 3.7km erz= 5.6km  
nr= 8 gap=124 rms=0.70  
Locality: Austria  
Comments: probably explosion

sta dist azm phase hr mn sec res  
CONA 15.0 289 Pg 13:35:15.02 0.49  
Sg 35:16.90 0.29  
RONA 27.6 138 Pg 13:35:17.37 0.58  
Sg 35:20.66 0.03  
ARSA 80.9 209 Sg 13:35:36.62 -0.97  
KRUC 133.3 11 Pn 13:35:35.06 -0.46  
Sn 35:51.65 -2.32  
VRAC 163.3 14 Sn 13:36:01.04 0.42

493.

2024-04-04 time: 16:40:02.49 UTC ML= 0.7  
lat: 47.496N lon: 16.319E h= 0.0 km  
erh= 5.5km erz= 6.8km  
nr= 8 gap=205 rms=1.06  
Locality: Austria  
Comments: probably explosion

sta dist azm phase hr mn sec res  
RONA 22.7 356 PgU 16:40:07.61 1.07  
Sg 40:09.26 -0.44  
SOP 27.5 41 Pg 16:40:08.32 0.91  
Sg 40:11.68 0.44  
CONA 59.0 324 Sg 16:40:21.46 0.20  
ARSA 66.0 246 Sg 16:40:22.56 -0.91  
MODS 121.0 36 Sg 16:40:39.15 -1.81  
KRUC 174.2 2 Sn 16:40:51.91 -1.76

494.

2024-04-05 time: 7:12:16.71 UTC ML= 1.3  
lat: 48.520N lon: 20.758E h= 0.0 km  
erh= 4.2km erz= \*\*\*km  
nr= 7 gap=105 rms=0.81  
Locality: Tornaszentandrás  
Comments: probably explosion

sta dist azm phase hr mn sec res  
KECS 20.6 258 Pg 7:12:20.19 -0.19  
Sg 12:22.93 -0.32  
ABAH 43.5 125 Pg 7:12:24.57 0.10  
Sg 12:30.99 0.46  
PSZ 92.7 224 Sg 7:12:45.86 -0.33  
NIE 105.1 342 Pg 7:12:37.01 1.53  
STHS 105.8 20 Pg 7:12:34.43 -1.18

495.

2024-04-05 time: 10:21:29.58 UTC ML= 1.8  
lat: 47.886N lon: 19.172E h= 0.0 km  
erh= 6.9km erz= 930km  
nr= 6 gap=273 rms=0.54  
Locality: Felsőpetény  
Comments: probably explosion

sta dist azm phase hr mn sec res  
PENC 13.5 142 Pg 10:21:31.51 -0.47  
Sg 21:33.70 -0.15  
PSZ 54.1 86 Pg 10:21:39.88 0.64  
Sg 21:47.16 0.37  
KECS 118.1 56 Pg 10:21:50.84 0.17  
Sg 22:05.86 -1.26

496.

2024-04-05 time: 10:28:54.35 UTC ML= 1.8  
lat: 47.312N lon: 18.478E h= 0.0 km  
erh= 1.5km erz= 3.5km  
nr= 11 gap=116 rms=0.48  
Locality: Pátka  
Comments: probably explosion

sta dist azm phase hr mn sec res  
PKSG 11.1 324 Pg 10:28:56.68 0.35  
Sg 28:57.07 -0.80  
CSKK 17.4 289 Pg 10:28:58.04 0.59  
Sg 28:59.57 -0.31  
PKST 34.1 260 Pg 10:29:00.51 0.08  
Sg 29:04.07 -1.10  
PENC 80.6 49 Sg 10:29:19.74 -0.23  
MORH 122.5 174 Sg 10:29:32.96 -0.32  
PKSM 122.9 174 Sg 10:29:33.75 0.34  
PSZ 126.1 58 Sg 10:29:34.06 -0.36  
KOVH 139.0 192 Sn 10:29:38.21 0.48

## Hypocenter Parameters

## Földrengés paraméterek

497.

2024-04-06 time: 15:08:57.18 UTC ML= 2.1  
lat: 45.559N lon: 16.590E h= 3.0 km  
erh= 2.9km erz= 2.7km  
nr= 26 gap=136 rms=1.07  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
CRES	93.1	289	Pg	15:09:14.12	0.30
			Sg	09:26.25	-0.55
BLY	101.4	153	Sg	15:09:28.08	-1.34
KOGS	102.3	345	Pg	15:09:15.93	0.47
			Sg	09:28.21	-1.51
BEHE	102.3	8	Sg	15:09:29.37	-0.35
GROS	131.0	320	Pn	15:09:20.39	0.22
			Sn	09:36.07	-2.03
KOVH	131.3	63	Pn	15:09:19.82	-0.38
			Sn	09:34.69	-3.46
PKSV	134.5	74	Pn	15:09:21.65	1.05
			Sn	09:37.20	-1.67
SOKA	173.1	316	Sn	15:09:48.09	0.64
PKSM	175.0	65	Pn	15:09:27.13	1.48
			Sn	09:47.21	-0.65
MORH	175.4	65	Pn	15:09:26.86	1.16
			Sn	09:47.21	-0.73
PKB4	187.5	56	Sn	15:09:52.69	2.05
OBKA	190.1	304	Pn	15:09:27.62	0.09
			Sn	09:49.79	-1.42
ARSA	205.2	336	Sn	15:09:56.13	1.57
RONA	239.1	355	Pn	15:09:34.31	0.67
			Sn	10:03.69	1.61
CONA	269.2	348	Pn	15:09:37.52	0.12
			Sn	10:08.19	-0.59
WINA	286.1	352	Pn	15:09:39.34	-0.16
ABNA	356.9	346	Pn	15:09:48.50	0.16*

498.

2024-04-06 time: 20:21:57.66 UTC ML= 1.8  
lat: 45.665N lon: 21.654E h= 13.9 km  
erh= 6.1km erz= 2.2km  
nr= 6 gap=161 rms=0.48  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	6.2	209	Pg	20:22:00.39	0.02
			Sg	22:01.79	-0.70
SURR	37.9	75	Sg	20:22:11.34	0.84
BANR	51.3	232	Pg	20:22:07.23	0.08
			Sg	22:14.86	0.31
DRGR	149.4	33	Sn	20:22:39.26	-0.91

499.

2024-04-08 time: 7:35:55.45 UTC ML= 1.5  
lat: 48.065N lon: 20.659E h= 0.0 km  
erh= 3.9km erz= 877km  
nr= 6 gap=194 rms=0.52  
Locality: Bükkszentlászló  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.2	345	Pg	7:36:04.41	0.35
			Sg	36:10.69	-0.08
ABAH	50.2	59	Pg	7:36:04.56	0.14
			Sg	36:10.95	-0.46
PSZ	59.4	254	Sg	7:36:14.73	0.41
PENC	107.4	253	Sg	7:36:28.01	-1.57

500.

2024-04-08 time: 8:28:01.19 UTC ML= 1.6  
lat: 48.527N lon: 17.467E h= 0.0 km  
erh= 3.1km erz= 347km  
nr= 7 gap=194 rms=0.24  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.2	243	Pg	8:28:01.76	0.01
			Sg	28:02.06	-0.13
MODS	22.0	220	Pg	8:28:05.57	0.45
			Sg	28:08.18	-0.01
JAVC	39.9	22	Pg	8:28:08.21	-0.10
			Sg	28:13.79	-0.08
ZST	45.6	216	Sg	8:28:15.27	-0.41

501.

2024-04-08 time: 12:21:45.76 UTC ML= 2.0  
lat: 48.578N lon: 17.607E h= 0.0 km  
erh= 2.2km erz= 2.4km  
nr= 22 gap= 97 rms=0.88  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	15.0	241	Pg	12:21:49.45	1.02
			Sg	21:52.17	1.65
JAVC	31.6	9	Pg	12:21:52.30	0.90
			Sg	21:56.93	1.13
MODS	33.3	227	PgD	12:21:52.23	0.52
			Sg	21:57.39	1.04
ZST	56.6	221	Pg	12:21:56.02	0.16
			Sg	22:04.00	0.26
ZBNS	97.9	51	Sg	12:22:17.46	0.58
SRO	100.0	148	Sg	12:22:15.44	-2.09
KRUC	104.0	301	Pg	12:22:04.29	-0.03
			Sg	22:17.27	-1.54
VRAC	110.0	318	Pg	12:22:05.40	0.00
			Sg	22:19.22	-1.51
EGYH	130.7	189	Pn	12:22:08.33	-0.76
MORC	133.4	358	Pn	12:22:08.66	-0.76
			Sn	22:24.90	-2.98
RONA	138.1	225	Pn	12:22:10.03	0.03
			Sn	22:27.81	-1.11
CONA	148.4	241	Pn	12:22:11.76	0.47
			Sn	22:30.37	-0.84
MPLH	156.6	182	Sn	12:22:32.72	-0.32

502.

2024-04-08 time: 14:39:42.85 UTC ML= 1.8  
lat: 47.065N lon: 19.445E h= 0.0 km  
erh= 2.9km erz= 5.0km  
nr= 10 gap=193 rms=0.49  
Locality: Ladánybene  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	21.7	265	Pg	14:39:46.82	0.09
			Sg	39:49.30	-0.45
PENC	81.6	351	Pg	14:39:57.91	0.49
PSZ	100.7	20	Pg	14:40:00.45	-0.38
			Sg	40:14.34	-0.52
MORH	112.6	213	Pg	14:40:03.39	0.43
			Sg	40:17.77	-0.87
PKSM	113.1	213	Pg	14:40:03.32	0.27
			Sg	40:17.73	-1.07
KOVH	149.8	224	Pn	14:40:09.06	0.50



### Földrengés paraméterek

### Hypocenter Parameters

503.

2024-04-08 time: 14:53:45.94 UTC ML= 2.0  
lat: 47.086N lon: 19.404E h= 0.0 km  
erh= 3.6km erz= 680km  
nr= 9 gap=171 rms=0.51  
Locality: Tatárszentgyörgy  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.0	257	Pg	14:53:49.51	0.18
			Sg	53:51.86	-0.12
PKB3	75.3	192	Pg	14:54:00.20	0.80
PENC	78.9	353	Pg	14:54:00.57	0.55
PKB4	89.6	223	Pg	14:54:02.36	0.41
PSZ	99.6	22	Pg	14:54:03.47	-0.26
PKS9	102.2	237	Pg	14:54:03.44	-0.76
MORH	112.9	211	Pg	14:54:05.93	-0.17
PKSM	113.4	211	Pg	14:54:05.49	-0.70

504.

2024-04-08 time: 15:23:16.23 UTC ML= 2.1  
lat: 47.560N lon: 16.300E h= 0.0 km  
erh= 2.0km erz= 2.8km  
nr= 24 gap= 82 rms=1.07  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	15.6	359	Pg	15:23:19.08	0.08
			Sg	23:21.23	0.06
SOP	23.8	55	Pg	15:23:20.08	-0.39
			Sg	23:22.82	-0.96
CONA	52.5	321	Pg	15:23:26.19	0.58
			Sg	23:32.04	-0.89
ARSA	68.0	240	Pg	15:23:29.26	0.89
			Sg	23:36.91	-0.93
EGYH	79.3	102	Pg	15:23:31.79	1.40
			Sg	23:43.04	1.60
ZST	92.8	40	Pg	15:23:33.94	1.15
MPLH	103.1	115	Sg	15:23:47.44	-1.57
MODS	116.2	39	Pg	15:23:37.82	0.84
			Sg	23:50.77	-2.40
KOGS	123.6	182	Pg	15:23:38.57	0.27
			Sg	23:54.03	-1.50
BEHE	126.4	163	Pg	15:23:39.23	0.43
PKST	135.1	104	Sn	15:23:56.31	-2.42
SMOL	135.4	38	Sn	15:23:57.35	-1.45
GROS	136.4	206	Sn	15:23:57.26	-1.76
PERS	136.5	221	Pn	15:23:41.20	0.92
			Sn	23:57.11	-1.93
SOKA	137.4	224	Pn	15:23:40.52	0.13
PKSG	158.7	97	Sn	15:24:02.77	-1.19

505.

2024-04-08 time: 18:30:55.98 UTC ML= 0.7  
lat: 47.673N lon: 16.040E h= 7.7 km  
erh= 2.0km erz= 9.8km  
nr= 8 gap=131 rms=0.41  
Locality: Austria  
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	19.5	81	PgU	18:30:59.99	0.27
			Sg	31:02.61	-0.03
CONA	31.3	335	Pg	18:31:02.28	0.53
			Sg	31:06.02	-0.22
SOP	39.0	88	Sg	18:31:08.46	-0.15
WINA	48.3	3	Pg	18:31:04.80	0.08
			Sg	31:10.91	-0.63
ARSA	61.0	220	Sg	18:31:14.66	-0.87

506.

2024-04-09 time: 1:13:11.12 UTC ML= 2.1  
lat: 45.975N lon: 16.239E h= 10.0 km  
erh= 2.0km erz= 2.1km  
nr= 28 gap= 84 rms=0.69  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
GOLS	47.8	275	iPg	1:13:20.30	0.45
			iSg	13:26.00	-0.65
GCIS	49.0	256	ePg	1:13:20.09	0.04
			iSg	13:26.88	-0.13
KOGS	52.5	1	Pg	1:13:20.57	-0.11
			Sg	13:27.52	-0.61
CESS	60.2	270	iPgc	1:13:22.43	0.42
			iSg	13:29.86	-0.65
CRES	63.0	255	Pg	1:13:22.41	-0.10
			Sg	13:32.19	0.80
BEHE	68.8	37	Pg	1:13:23.07	-0.47
			Sg	13:32.10	-1.13
LEGS	71.5	268	iPg	1:13:24.18	0.16
			eSg	13:34.02	-0.06
GROS	78.4	313	Pg	1:13:26.29	1.05
BOJS	93.0	236	iPg	1:13:27.58	-0.25
			iSg	13:40.54	-0.32
PERS	113.4	310	Pn	1:13:31.63	0.61
SOKA	121.4	310	Sn	1:13:47.37	-0.94
KOVH	144.6	85	Pn	1:13:34.75	-0.16
			Sn	13:51.84	-1.62
BLY	155.1	152	Sn	1:13:54.36	-1.44
PKSV	156.4	94	Sn	1:13:55.55	-0.53
PKSM	187.6	82	Pn	1:13:40.78	0.51
			Sn	14:04.45	1.44
MORH	187.9	82	Pn	1:13:42.36	2.05
			Sn	14:05.10	2.03
PKB4	191.4	72	Sn	1:14:06.99	3.15*

507.

2024-04-09 time: 6:28:55.15 UTC ML= 1.8  
lat: 47.950N lon: 16.059E h= 0.0 km  
erh= 2.7km erz= 5.1km  
nr= 11 gap=111 rms=0.77  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.0	261	Pg	6:28:58.23	0.41
			Sg	29:00.72	0.81
RONA	33.0	147	Pg	6:29:01.18	0.13
			Sg	29:05.09	-0.56
ARSA	87.6	207	Sg	6:29:21.85	-1.15
MODS	102.1	63	Pg	6:29:14.40	1.01
			Sg	29:26.92	-0.69
KRUC	126.1	11	Pg	6:29:17.41	-0.25
			Sg	29:33.17	-2.06
VRAC	156.1	15	Pn	6:29:22.18	0.54
			Sn	29:41.19	-1.12

508.

2024-04-09 time: 7:14:23.97 UTC ML= 2.0  
lat: 48.081N lon: 19.772E h= 0.0 km  
erh= 4.0km erz= 427km  
nr= 5 gap=257 rms=0.22  
Locality: Vizslás  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.2	153	Pg	7:14:27.84	0.26
			Sg	14:30.13	-0.27
KECS	69.3	50	Sg	7:14:46.21	0.21
ABAH	111.7	78	Pg	7:14:43.70	-0.21

## Hypocenter Parameters

Sg 14:59.39 -0.07

---

509.

2024-04-09 time: 7:44:02.84 UTC ML= 1.4  
 lat: 47.318N lon: 18.440E h= 0.0 km  
 erh= 2.0km erz= 2.9km  
 nr= 9 gap=197 rms=0.37  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.1	336	Pg	7:44:04.52	0.06
			Sg	44:05.04	-0.68
CSKK	14.5	290	PgU	7:44:05.82	0.39
			Sg	44:07.26	-0.19
PKST	31.4	258	Pg	7:44:08.69	0.24
			Sg	44:11.95	-0.87
MORH	123.5	173	Sg	7:44:41.89	-0.20
PKSM	123.9	173	Sg	7:44:42.21	-0.01
KOVH	139.1	191	Sn	7:44:46.58	0.34

510.

2024-04-09 time: 8:35:24.01 UTC ML= 1.2  
 lat: 47.092N lon: 18.044E h= 0.0 km  
 erh= 2.1km erz= 665km  
 nr= 10 gap=128 rms=0.52  
 Locality: Királyszentistván  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.5	358	Pg	8:35:26.92	-0.40
			Sg	35:29.13	-0.77
CSKK	34.3	29	Pg	8:35:30.57	0.45
MPLH	39.3	283	Pg	8:35:31.49	0.47
			Sg	35:35.89	-0.60
PKSG	42.4	38	Pg	8:35:31.94	0.37
MORH	107.7	155	Pg	8:35:43.29	0.05
			Sg	35:57.38	-0.87
PKSM	108.0	155	Pg	8:35:43.81	0.51
			Sg	35:57.44	-0.90

511.

2024-04-09 time: 9:19:45.41 UTC ML= 1.4  
 lat: 48.639N lon: 20.801E h= 0.0 km  
 erh= 4.0km erz= \*\*\*km  
 nr= 7 gap=162 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	29.1	233	Pg	9:19:51.04	0.44
			Sg	19:54.16	-0.49
ABAH	50.1	140	Pg	9:19:55.04	0.68
			Sg	20:00.79	-0.54
NIE	93.7	338	Sg	9:20:13.80	-1.41
PSZ	104.7	220	Sg	9:20:17.48	-1.21
LANS	113.1	300	Pg	9:20:06.17	0.56

512.

2024-04-09 time: 10:00:04.04 UTC ML= 2.0  
 lat: 48.151N lon: 16.877E h= 0.0 km  
 erh= 2.0km erz= 3.7km  
 nr= 14 gap=148 rms=0.63  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.5	73	PgU	10:00:07.16	0.00
			Sg	00:09.43	-0.17
MODS	38.7	50	Pg	10:00:11.07	0.12

## Földregés paraméterek

			Sg	00:15.82	-0.52
RONA	66.3	221	Pg	10:00:15.98	0.10
			Sg	00:23.31	-1.81
CONA	79.7	252	Pg	10:00:18.79	0.52
			Sg	00:28.77	-0.59
KRUC	107.4	341	Pg	10:00:24.11	0.89
			Sg	00:37.97	-0.21
VRAC	130.4	351	Pg	10:00:26.66	-0.67
			Sg	00:43.99	-1.51
ARSA	142.6	225	Pn	10:00:29.55	0.69
MORC	187.3	15	Sn	10:00:58.67	0.54

513.

2024-04-09 time: 10:31:48.09 UTC ML= 0.8  
 lat: 47.207N lon: 18.273E h= 0.0 km  
 erh= 3.4km erz= 854km  
 nr= 7 gap=142 rms=0.61  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.4	357	Pg	10:31:51.63	0.44
			Sg	31:52.98	-0.64
PKST	19.0	288	Pg	10:31:51.98	0.50
			Sg	31:53.91	-0.22
PKSG	22.4	23	Pg	10:31:52.40	0.31
			Sg	31:54.49	-0.71
PKSM	114.2	166	Sg	10:32:22.74	-1.63

514.

2024-04-09 time: 10:35:27.94 UTC ML= 0.9  
 lat: 47.254N lon: 18.245E h= 0.0 km  
 erh= 3.7km erz= 483km  
 nr= 6 gap=236 rms=0.30  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.2	6	Pg	10:35:30.52	0.40
			Sg	35:32.07	0.25
PKST	15.9	272	Pg	10:35:30.67	-0.11
			Sg	35:32.77	-0.23
PKSG	18.9	36	Pg	10:35:31.29	-0.02
			Sg	35:33.31	-0.64

515.

2024-04-09 time: 10:48:11.06 UTC ML= 2.5  
 lat: 46.631N lon: 21.012E h= 13.1 km  
 erh= 2.8km erz= 2.8km  
 nr= 36 gap= 56 rms=1.15  
 Locality: Újkígyós  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	38.2	215	Pg	10:48:17.85	-0.42
			Sg	48:23.56	-0.33
PKSN	92.3	289	P*	10:48:26.42	-1.20
			S*	48:38.13	-2.41
BSZH	93.5	323	P*	10:48:27.09	-0.71
TIM	100.7	171	P*	10:48:28.56	-0.35
LTVH	107.6	39	Sn	10:48:41.63	-2.87
PKS6	110.9	268	Pn	10:48:29.84	-0.41
			Sn	48:43.49	-1.74
BZS	122.1	157	Pn	10:48:32.62	0.98
			Sn	48:47.26	-0.44
SURR	129.9	139	Pn	10:48:32.48	-0.14
			Sn	48:48.57	-0.88
DRGR	131.2	82	Pn	10:48:32.10	-0.67
			Sn	48:48.70	-1.01
PKB2	135.6	272	Sn	10:48:50.49	-0.21
PKS2	138.8	264	Pn	10:48:34.31	0.58
			Sn	48:51.07	-0.34

## Földrengés paraméterek

## Hypocenter Parameters

PKB3	141.3	261	Pn	10:48:34.18	0.14
			Sn	48:50.88	-1.09
PKS7	148.6	288	Sn	10:48:54.76	1.17
PSZ	166.2	329	Pn	10:48:37.20	0.05
			Sn	48:56.44	-1.06
PKB1	170.6	276	Pn	10:48:38.08	0.39
			Sn	48:59.31	0.84
PKB4	185.3	265	Pn	10:48:41.16	1.64
			Sn	49:03.04	1.32
ABAH	185.9	5	Pn	10:48:42.26	2.66
MORH	187.8	256	Pn	10:48:40.91	1.07
			Sn	49:03.36	1.08
PKSM	188.1	256	Pn	10:48:40.96	1.08
			Sn	49:03.29	0.93
TRPA	202.7	35	Pn	10:48:45.34	3.65
			Sn	49:09.70	4.11
KECS	209.7	349	Sn	10:49:08.49	1.35
KOVH	232.1	255	Pn	10:48:47.89	2.53

516.

2024-04-09 time: 13:26:21.12 UTC ML= 2.0  
 lat: 47.095N lon: 19.377E h= 0.0 km  
 erh= 4.1km erz= 5.4km  
 nr= 13 gap=187 rms=0.61  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.2	252	Pg	13:26:24.15	-0.05
			Sg	26:26.57	-0.03
PKB5	74.0	221	Pg	13:26:35.46	1.12
PENC	77.7	355	Pg	13:26:35.77	0.78
PKB4	88.9	222	Pg	13:26:37.57	0.57
			Sg	26:48.80	-0.59
PSZ	99.5	23	Pg	13:26:38.58	-0.31
			Sg	26:51.53	-1.22
PKS9	101.0	236	Pg	13:26:38.70	-0.46
MORH	112.7	210	Pg	13:26:41.19	-0.05
PKSM	113.2	210	Pg	13:26:41.00	-0.33
			Sg	26:54.92	-2.17
KOVH	148.7	221	Pn	13:26:46.69	0.00

517.

2024-04-09 time: 13:32:02.25 UTC ML= 1.3  
 lat: 47.552N lon: 16.354E h= 0.0 km  
 erh= 2.4km erz= 4.0km  
 nr= 14 gap= 93 rms=1.05  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	17.0	345	PgU	13:32:05.96	0.67
			Sg	32:07.81	0.16
SOP	21.2	46	Pg	13:32:07.07	1.03
			Sg	32:09.41	0.41
CONA	55.8	319	Pg	13:32:12.84	0.62
			Sg	32:18.98	-1.01
ARSA	71.1	242	Pg	13:32:16.31	1.36
			Sg	32:24.38	-0.47
EGYH	75.2	101	Sg	13:32:25.20	-0.97
MPLH	99.1	115	Sg	13:32:32.68	-1.08
MODS	114.5	37	Sg	13:32:36.66	-1.99
GROS	137.5	208	Sn	13:32:44.87	-0.42
PERS	138.5	223	Sn	13:32:43.85	-1.67
KRUC	167.9	1	Sn	13:32:49.85	-2.20

518.

2024-04-09 time: 17:35:10.60 UTC ML= 0.4  
 lat: 47.722N lon: 16.609E h= 12.4 km  
 erh= 3.6km erz= 2.1km  
 nr= 13 gap=128 rms=0.60  
 Locality: Fertőrákos  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	5.8	221	Pg	17:35:13.53	0.49
			Sg	35:14.89	-0.05
RONA	23.6	264	PgD	17:35:15.71	0.35
			Sg	35:18.40	-0.67
WINA	58.6	317	Pg	17:35:21.36	0.06
			Sg	35:28.46	-1.18
CONA	60.5	292	Pg	17:35:21.83	0.21
			Sg	35:29.41	-0.81
EGYH	64.1	122	Sg	17:35:30.88	-0.48
MPLH	93.3	131	S*	17:35:40.00	-0.46
ABNA	137.0	320	Pn	17:35:34.57	1.44
			Sn	35:51.23	0.53
KRUC	149.8	354	Sn	17:35:53.09	-0.46

519.

2024-04-09 time: 21:36:19.00 UTC ML= 1.0  
 lat: 45.865N lon: 17.780E h= 14.8 km  
 erh= 5.4km erz= 4.3km  
 nr= 9 gap=316 rms=0.51  
 Locality: Markóc  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	35.1	45	Pg	21:36:25.52	-0.27
			Sg	36:31.67	0.57
PKSV	36.7	86	Pg	21:36:26.33	0.26
			Sg	36:32.21	0.62
PKSM	77.0	60	Pg	21:36:32.45	-0.55
			Sg	36:43.46	-0.46
MORH	77.4	60	Pg	21:36:33.17	0.10
			Sg	36:43.50	-0.55
PKB4	94.7	42	S*	21:36:50.32	1.48

520.

2024-04-10 time: 8:17:48.88 UTC ML= 1.7  
 lat: 45.983N lon: 22.803E h= 0.0 km  
 erh= 1.8km erz= 580km  
 nr= 10 gap=149 rms=0.45  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	13.6	145	Pg	8:17:51.02	-0.28
			Sg	17:53.48	0.29
SURR	58.5	244	Pg	8:17:59.19	-0.14
			Sg	18:07.17	-0.31
GZR	65.6	182	Pg	8:18:00.57	-0.02
			Sg	18:09.96	0.23
DRGR	90.1	356	Pg	8:18:05.14	0.16
			Sg	18:17.11	-0.43
BZS	100.8	246	Pg	8:18:07.93	1.04
			Sg	18:20.01	-0.92

521.

2024-04-10 time: 8:22:23.66 UTC ML= 2.1  
 lat: 46.848N lon: 17.276E h= 0.0 km  
 erh= 3.1km erz= 4.9km  
 nr= 22 gap= 77 rms=1.53  
 Locality: Vállus  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
MPLH	41.0	29	Pg	8:22:32.18	1.20
			Sg	22:36.67	-0.02
BEHE	56.9	222	Sg	8:22:41.03	-0.71
EGYH	63.4	4	Sg	8:22:44.93	1.13
PKST	73.5	52	Pg	8:22:37.84	1.05
			Sg	22:46.03	-1.00
KOGS	90.2	240	Pg	8:22:40.41	0.64
			Sg	22:50.86	-1.48
PKSG	104.0	54	Sg	8:22:54.22	-2.49
KOVH	105.6	143	Pg	8:22:45.32	2.81
			Sg	22:56.92	-0.30
SOP	107.5	330	Sg	8:22:56.79	-1.05
PKB4	108.9	111	Sg	8:22:57.00	-1.28
MORH	126.4	124	Sg	8:23:01.00	-2.83
PKSM	126.4	124	Pg	8:22:47.53	1.29
			Sg	23:01.57	-2.28
PKSV	130.5	145	Pg	8:22:46.84	-0.13
SRO	132.9	36	Sn	8:23:04.12	-1.55
ARSA	140.5	289	Sn	8:23:04.78	-2.58
GROS	142.5	252	Pn	8:22:50.63	2.17
			Sn	23:06.92	-0.88
SOKA	172.4	264	Sn	8:23:13.71	-0.73

522.

2024-04-10 time: 9:11:05.10 UTC ML= 1.6  
 lat: 48.597N lon: 20.771E h= 0.0 km  
 erh= 2.9km erz= 4.9km  
 nr= 12 gap= 91 rms=1.36  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	239	Pg	9:11:10.41	0.91
			Sg	11:13.30	0.38
ABAH	48.2	134	Pg	9:11:14.86	1.16
			Sg	11:20.79	0.37
STHS	97.5	21	Pg	9:11:23.36	0.85
			Sg	11:34.44	-1.64
PSZ	99.7	221	Pg	9:11:24.06	1.16
			Sg	11:34.90	-1.89
LANS	113.7	303	Pg	9:11:25.70	0.29
			Sg	11:39.66	-1.59
TRPA	140.9	112	Sn	9:11:45.82	-3.08
PENC	142.5	231	Sn	9:11:46.52	-2.73

523.

2024-04-10 time: 9:55:21.55 UTC ML= 2.0  
 lat: 48.918N lon: 21.036E h= 0.0 km  
 erh= 3.3km erz= 5.8km  
 nr= 12 gap= 74 rms=1.02  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	57.4	15	Pg	9:55:32.33	0.52
			Sg	55:39.98	0.17
KECS	63.1	220	Pg	9:55:34.43	1.61
			Sg	55:41.45	-0.17
ABAH	70.8	168	Sg	9:55:42.86	-1.20
NIE	76.7	317	Sg	9:55:44.88	-1.04
KOLS	90.7	89	Pg	9:55:38.23	0.49
			Sg	55:48.78	-1.59
LANS	117.6	283	Pg	9:55:42.18	-0.36
PSZ	139.7	217	Pn	9:55:45.35	-0.65
TRPA	141.4	128	Pn	9:55:47.38	1.16
			Sn	56:03.13	-2.33

524.

2024-04-10 time: 13:24:40.31 UTC ML= 1.7  
 lat: 47.138N lon: 19.348E h= 0.0 km  
 erh= 4.8km erz= 614km  
 nr= 7 gap=182 rms=0.42  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.4	235	Pg	13:24:43.90	0.48
			Sg	24:45.62	-0.22
PENC	72.7	356	Pg	13:24:53.33	0.04
PSZ	96.0	25	Pg	13:24:57.79	0.34
			Sg	25:08.69	-2.14
MORH	115.8	208	Pg	13:25:00.82	-0.17
PKSM	116.3	208	Pg	13:25:00.70	-0.37

525.

2024-04-10 time: 13:40:39.28 UTC ML= 1.7  
 lat: 47.099N lon: 19.388E h= 0.0 km  
 erh= 3.9km erz= 600km  
 nr= 6 gap=187 rms=0.35  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.2	252	Pg	13:40:42.23	-0.30
			Sg	40:44.88	-0.18
PENC	77.3	354	Pg	13:40:53.77	0.68
PSZ	98.8	23	Pg	13:40:56.58	-0.34
MORH	113.5	210	Pg	13:40:59.76	0.22
PKSM	114.0	210	Pg	13:40:59.54	-0.09

526.

2024-04-10 time: 13:57:16.99 UTC ML= 1.7  
 lat: 47.091N lon: 19.349E h= 0.0 km  
 erh= 4.7km erz= 719km  
 nr= 6 gap=185 rms=0.42  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.1	251	Pg	13:57:19.93	0.24
			Sg	57:21.26	-0.53
PENC	77.9	356	Pg	13:57:31.55	0.66
PSZ	100.7	24	Pg	13:57:34.36	-0.61
MORH	111.3	209	Pg	13:57:36.93	0.07
PKSM	111.8	209	Pg	13:57:36.86	-0.09

527.

2024-04-11 time: 7:17:54.70 UTC ML= 1.3  
 lat: 48.061N lon: 20.671E h= 0.0 km  
 erh= 2.9km erz= 565km  
 nr= 5 gap=196 rms=0.25  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.9	344	Pg	7:18:03.71	0.28
			Sg	18:09.97	-0.27
ABAH	49.7	58	Pg	7:18:03.71	0.14
			Sg	18:10.13	-0.36
PSZ	60.1	255	Sg	7:18:13.57	-0.24

## Földrengés paraméterek

528.

2024-04-11 time: 8:04:39.17 UTC ML= 2.2  
lat: 48.380N lon: 17.189E h= 0.0 km  
erh= 2.8km erz= \*\*\*km  
nr= 15 gap=101 rms=1.04  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.6	96	Pg	8:04:40.96	0.62
			Sg	04:43.07	1.81
ZST	21.4	197	Sg	8:04:44.44	-1.55
SMOL	23.1	50	Pg	8:04:42.76	-0.54
			Sg	04:44.90	-1.62
JAVC	64.0	34	Pg	8:04:50.74	0.14
			Sg	04:56.77	-2.75
KRUC	95.7	322	Pg	8:04:56.60	0.34
			Sg	05:10.49	0.90
RONA	100.8	221	Pg	8:04:58.39	1.23
			Sg	05:10.16	-1.04
CONA	110.8	243	Pg	8:04:59.85	0.89
			Sg	05:13.07	-1.32
VRAC	112.1	337	Pg	8:04:59.26	0.08
			Sg	05:13.72	-1.08

529.

2024-04-11 time: 8:22:38.11 UTC ML= 1.8  
lat: 48.871N lon: 21.324E h= 0.0 km  
erh= 3.3km erz= \*\*\*km  
nr= 9 gap= 90 rms=0.88  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	60.9	354	Pg	8:22:49.93	0.94
			Sg	22:55.40	-2.08
ABAH	64.3	186	Sg	8:22:59.10	0.55
KOLS	69.9	84	Pg	8:22:51.33	0.73
			Sg	22:59.49	-0.85
KECS	75.4	235	Sg	8:23:01.45	-0.62
NIE	95.6	310	Pg	8:22:55.56	0.37
TRPA	121.9	133	Pg	8:22:59.63	-0.25
			Sg	23:15.28	-1.57

530.

2024-04-11 time: 8:36:28.52 UTC ML= 1.0  
lat: 46.066N lon: 18.338E h= 0.0 km  
erh= 1.7km erz= 407km  
nr= 7 gap=143 rms=0.28  
Locality: Bogád  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.6	278	Pg	8:36:32.13	0.29
			Sg	36:34.25	-0.18
PKSV	20.9	199	Sg	8:36:34.76	-0.39
PKSM	28.5	55	Pg	8:36:33.78	0.18
			Sg	36:37.06	-0.50
MORH	28.9	55	Pg	8:36:33.86	0.18
			Sg	36:37.39	-0.31

531.

2024-04-11 time: 9:19:38.17 UTC ML= 1.6  
lat: 48.543N lon: 20.743E h= 0.0 km  
erh= 2.3km erz= 845km  
nr= 11 gap= 95 rms=0.68  
Locality: Komjáti  
Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KECS	20.1	251	Pg	9:19:42.03	0.27
			Sg	19:44.81	0.25
ABAH	45.9	127	Pg	9:19:46.27	-0.10
			Sg	19:52.75	-0.02
PSZ	93.8	222	Pg	9:19:55.04	0.12
			Sg	20:07.58	-0.40
NIE	102.3	342	Pg	9:19:57.84	1.39
STHS	103.9	21	Pg	9:19:56.76	0.04
LANS	115.4	306	Pg	9:19:58.58	-0.20
			Sg	20:13.14	-1.71
KOLS	120.7	69	Sg	9:20:14.98	-1.55

532.

2024-04-11 time: 10:07:33.21 UTC ML= 1.8  
lat: 48.786N lon: 21.595E h= 0.0 km  
erh= 3.4km erz= 4.7km  
nr= 11 gap=125 rms=1.02  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	52.4	72	Pg	10:07:43.55	0.98
			Sg	07:48.50	-1.36
ABAH	60.5	206	Pg	10:07:43.77	-0.25
			Sg	07:50.75	-1.69
KECS	88.4	248	Pg	10:07:49.67	0.67
			Sg	07:58.57	-2.75
TRPA	101.0	136	Pg	10:07:51.73	0.49
			Sg	08:04.93	-0.38
NIE	117.1	307	Pg	10:07:53.51	-0.61
PSZ	158.7	233	Sn	10:08:21.76	0.80
LANS	160.9	285	Sn	10:08:23.11	1.66

533.

2024-04-11 time: 16:08:33.08 UTC ML= 1.9  
lat: 47.081N lon: 19.399E h= 0.0 km  
erh= 2.5km erz= 4.1km  
nr= 12 gap=189 rms=0.43  
Locality: Tatárszentgyörgy  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.5	258	Pg	16:08:36.21	-0.17
			Sg	08:38.56	-0.40
PENC	79.3	354	Pg	16:08:47.83	0.59
PKB4	89.0	223	Pg	16:08:49.36	0.39
PSZ	100.3	22	Pg	16:08:50.57	-0.41
			Sg	09:02.55	-2.39*
PKS9	101.6	237	Pg	16:08:51.12	-0.10
MORH	112.2	211	Pg	16:08:53.39	0.27
			Sg	09:07.99	-0.77
PKSM	112.7	211	Pg	16:08:53.35	0.14
			Sg	09:08.22	-0.69
KOVH	148.7	222	Pn	16:08:59.03	0.38

534.

2024-04-12 time: 8:29:08.07 UTC ML= 1.9  
lat: 48.827N lon: 21.626E h= 0.0 km  
erh= 3.2km erz= \*\*\*km  
nr= 11 gap= 67 rms=1.02  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	48.9	76	Pg	8:29:17.43	0.63
			Sg	29:23.97	0.35
ABAH	65.6	206	Sg	8:29:28.69	-0.22
STHS	71.3	337	Sg	8:29:29.60	-1.14
KECS	92.3	246	Pg	8:29:25.51	0.95
			Sg	29:36.15	-1.27
TRPA	102.7	139	Pg	8:29:25.72	-0.69

### Hypocenter Parameters

Sg 29:39.32 -1.40  
 NIE 116.3 304 Pg 8:29:29.26 0.42  
 KWP 119.2 41 Pg 8:29:30.73 1.37  
 Sg 29:43.69 -2.27

535.

2024-04-12 time: 9:20:59.25 UTC ML= 1.5  
 lat: 48.938N lon: 20.124E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 8 gap=108 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	53.5	296	Sg	9:21:16.53	0.29
NIE	55.2	14	Pg	9:21:09.02	-0.08
			Sg	21:15.28	-1.51
KECS	57.2	152	Pg	9:21:10.12	0.67
			Sg	21:16.69	-0.73
STHS	97.5	57	Pg	9:21:17.94	1.29
			Sg	21:30.00	-0.22
PSZ	114.7	189	Sg	9:21:33.91	-1.78

536.

2024-04-13 time: 7:17:55.50 UTC ML= 0.5  
 lat: 47.749N lon: 16.091E h= 20.7 km  
 erh=12.0km erz=15.2km  
 nr= 6 gap=210 rms=0.93  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.3	110	Pg	7:18:01.26	1.07
			Sg	18:03.47	-0.37
CONA	26.3	319	Pg	7:18:01.99	0.55
			Sg	18:04.57	-1.51
SOP	35.8	102	Sg	7:18:07.19	-1.35
WINA	39.8	358	Sg	7:18:09.46	-0.17

537.

2024-04-13 time: 20:26:13.14 UTC ML= 1.5  
 lat: 46.353N lon: 17.613E h= 11.1 km  
 erh= 1.4km erz= 1.3km  
 nr= 28 gap=114 rms=0.53  
 Locality: Kiskorpad  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	47.7	128	Pg	20:26:21.15	-0.74
			Sg	26:28.48	-0.23
PKS9	57.4	63	Pg	20:26:24.55	0.98
			Sg	26:32.84	1.13
TIH	64.5	19	Pg	20:26:25.00	0.18
			Sg	26:34.23	0.30
PKSV	71.5	136	Pg	20:26:26.22	0.17
			Sg	26:35.96	-0.17
PKB4	77.8	78	Pg	20:26:27.36	0.19
			Sg	26:37.47	-0.65
PKSM	80.8	101	Pg	20:26:27.91	0.21
			Sg	26:39.29	0.23
MORH	80.9	101	Pg	20:26:27.91	0.19
			Sg	26:39.04	-0.06
PKB5	90.3	73	Sg	20:26:41.45	-0.61
MPLH	91.0	356	Pg	20:26:29.14	-0.37
			Sg	26:41.41	-0.86
PKB1	102.3	62	P*	20:26:31.00	-0.41
			S*	26:45.19	-0.48
KOGS	105.3	276	S*	20:26:43.11	-3.37*
PKST	105.7	18	P*	20:26:31.78	-0.15
			S*	26:45.73	-0.86
PKB3	121.9	86	Sn	20:26:49.93	-0.27
CSKK	122.7	24	Sn	20:26:50.57	0.21

### Földrengés paraméterek

PKSG 129.8 27 Pn 20:26:34.82 -0.12  
 Sn 26:53.14 1.19  
 CRES 176.8 251 Pn 20:26:40.78 -0.01  
 Sn 27:03.61 1.24  
 PERS 194.2 279 Sn 20:27:07.67 1.43

538.

2024-04-14 time: 15:14:15.31 UTC ML= 3.1  
 lat: 47.825N lon: 16.206E h= 8.4 km  
 erh= 1.0km erz= 0.8km  
 nr= 82 gap= 35 rms=0.75  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.5	154	PgU	15:14:18.72	0.27
			Sg	14:20.90	0.00
CONA	28.2	294	PgD	15:14:20.55	-0.02
			Sg	14:24.18	-0.49
SOP	30.7	121	PgU	15:14:21.30	0.31
			Sg	14:25.55	0.12
WINA	33.0	342	Pg	15:14:22.03	0.65
			Sg	14:26.83	0.71
ZST	78.6	58	Pg	15:14:29.11	-0.31
			Sg	14:40.07	-0.36
ARSA	82.0	219	PgU	15:14:29.01	-1.01
EGYH	96.0	118	Pg	15:14:32.72	0.21
			Sg	14:45.21	-0.72
MODS	100.4	53	Pg	15:14:32.64	-0.66
			Sg	14:46.41	-0.93
ABNA	110.2	329	Pn	15:14:34.02	-0.98
			Sn	14:47.52	-2.85
SMOL	118.9	50	Pn	15:14:36.06	-0.03
			Sn	14:51.60	-0.70
MPLH	124.0	126	PnD	15:14:36.36	-0.37
			Sn	14:52.44	-1.00
KRUC	138.3	6	PnD	15:14:38.53	0.03
			Sn	14:55.39	-1.21
MOA	145.3	271	Pn	15:14:39.69	0.31
			Sn	14:57.70	-0.46
PKST	151.3	115	Pn	15:14:40.11	-0.02
			Sn	14:59.04	-0.45
KOGS	153.1	179	Pn	15:14:41.92	1.57
			Sn	14:58.57	-1.32
SOKA	155.4	215	Pn	15:14:41.14	0.50
			Sn	14:58.31	-2.09
PERS	155.8	212	Pn	15:14:40.83	0.14
			Sn	15:00.29	-0.21
BEHE	156.7	164	Pn	15:14:41.61	0.81
SRO	157.8	90	ePn	15:14:38.90	-2.04
			eSn	14:58.60	-2.33
JAVC	158.2	43	Pn	15:14:42.17	1.19
			Sn	15:04.00	2.99
GROS	160.8	199	Pn	15:14:40.93	-0.38
			Sn	14:59.98	-1.61
CSKK	162.8	108	Pn	15:14:43.54	1.98
			Sn	15:02.00	-0.04
TIH	163.7	129	Pn	15:14:41.77	0.09
			Sn	15:04.21	1.96
RCF6	166.9	186	Pn	15:14:41.87	-0.20
VRAC	167.4	10	Pn	15:14:42.24	0.10
			Sn	15:02.28	-0.79
PKSG	171.1	106	Pn	15:14:42.37	-0.23
			Sn	15:03.48	-0.42
TREC	171.9	342	ePn	15:14:43.30	0.61
			eSn	15:04.20	0.14
OBKA	192.8	221	Pn	15:14:46.25	0.94
			Sn	15:09.04	0.33
BIOA	193.1	266	Pn	15:14:46.47	1.13
			Sn	15:09.78	1.01
DOBS	194.5	197	ePn	15:14:45.83	0.31
GOLS	206.5	192	ePnC	15:14:47.72	0.71
			eSn	15:10.12	-1.62
PKS9	208.8	131	Pn	15:14:47.50	0.20

### Földrengés paraméterek

### Hypocenter Parameters

CESS	213.5	195	ePn	15:14:48.83	0.95
PKKS	216.6	205	iPn	15:14:49.14	0.87
LEGS	219.3	198	ePn	15:14:49.14	0.54
			eSn	15:12.54	-2.04
PKB1	227.2	121	Pn	15:14:49.51	-0.08
CRES	229.4	194	Pn	15:14:50.09	0.22
PENC	230.4	91	Pn	15:14:49.91	-0.08
ZBNS	231.6	51	Pn	15:14:51.03	0.89
			Sn	15:18.82	1.52
MYKA	235.3	236	Sn	15:15:18.86	0.72
PKB5	235.4	126	Pn	15:14:50.42	-0.19
MORC	238.2	24	Pn	15:14:51.36	0.39
			Sn	15:18.51	-0.28
KOVH	240.9	143	Pn	15:14:50.93	-0.37
KRLC	253.8	10	Sn	15:15:22.26	0.02
MORH	257.6	134	PnD	15:14:53.04	-0.34
PKSM	257.7	134	PnD	15:14:52.96	-0.44
PKSV	265.8	144	Pn	15:14:54.50	0.09
LESA	269.0	260	Pn	15:14:54.11	-0.70
PKS2	271.9	123	Pn	15:14:55.33	0.16
PKB3	275.1	124	Pn	15:14:55.65	0.08
PSZ	276.1	88	Sn	15:15:28.37	1.18
LANS	282.6	59	e n	15:14:56.50	0.00
SKDS	303.8	214	iPn	15:15:00.05	0.91*
KECS	326.7	77	e n	15:15:02.00	0.00*
BLY	350.1	168	Pn	15:15:05.35	0.43*
NIE	350.9	60	Sn	15:15:45.36	1.58*
WATA	352.6	261	Pn	15:15:06.21	0.99*
SQTA	382.4	260	Sn	15:15:50.99	0.22*
RETA	410.7	265	Sn	15:15:58.16	1.10*
STHS	411.4	65	Pn	15:15:14.33	1.77*
			Sn	15:59.32	2.10*
FETA	422.8	258	Pn	15:15:15.15	1.16*
			Sn	16:00.38	0.62*
DAVA	479.9	263	Pn	15:15:22.56	1.46*
			Sn	16:11.69	-0.73*

sta	dist	azm	phase	hr	mn	sec	res
RONA	13.8	159	PgU	15:18:36.17			0.10
			Sg		18:38.68		-0.21
SOP	28.7	121	Sg	15:18:42.83			0.10
CONA	30.2	295	Pg	15:18:38.32			-0.15
			Sg		18:43.35		0.19

540.

2024-04-14 time: 15:21:55.93 UTC ML= 1.2  
 lat: 47.791N lon: 16.191E h= 14.9 km  
 erh= 1.5km erz= 1.2km  
 nr= 14 gap=107 rms=0.41  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	12.9	142	Pg	15:21:59.66			0.21
			Sg		22:01.83		-0.36
CONA	29.0	302	Pg	15:22:01.94			0.19
			Sg		22:06.23		-0.07
SOP	30.0	114	Pg	15:22:02.07			0.16
			Sg		22:06.04		-0.55
WINA	36.2	346	Pg	15:22:03.12			0.20
			Sg		22:07.89		-0.49
ARSA	78.4	220	Pg	15:22:10.58			0.40
			Sg		22:20.47		-0.83
ABNA	112.8	330	Pn	15:22:15.12			0.00
			Sn		22:28.94		-1.15
KRUC	142.1	6	Pn	15:22:19.35			0.58
			Sn		22:36.26		-0.32

541.

2024-04-14 time: 16:17:39.23 UTC ML= 1.2  
 lat: 47.791N lon: 16.193E h= 14.3 km  
 erh= 1.4km erz= 1.1km  
 nr= 17 gap= 82 rms=0.45  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	12.7	143	PgD	16:17:42.99			0.34
			Sg		17:45.29		-0.03
CONA	29.2	302	Pg	16:17:45.03			0.00
			Sg		17:49.29		-0.27
SOP	29.9	114	Pg	16:17:45.47			0.32
			Sg		17:49.48		-0.28
WINA	36.3	346	Pg	16:17:46.39			0.18
			Sg		17:51.12		-0.53
ARSA	78.5	220	Pg	16:17:53.54			0.06
			Sg		18:04.04		-0.54
EGYH	95.2	116	S*	16:18:08.40			-0.89
MODS	103.6	51	Sn	16:18:10.87			-0.62
ABNA	113.0	330	Pn	16:17:58.11			-0.41
KRUC	142.1	6	Pn	16:18:03.26			1.10
			Sn		18:19.64		-0.41
VRAC	171.3	10	Pn	16:18:06.45			0.65
			Sn		18:26.72		0.19

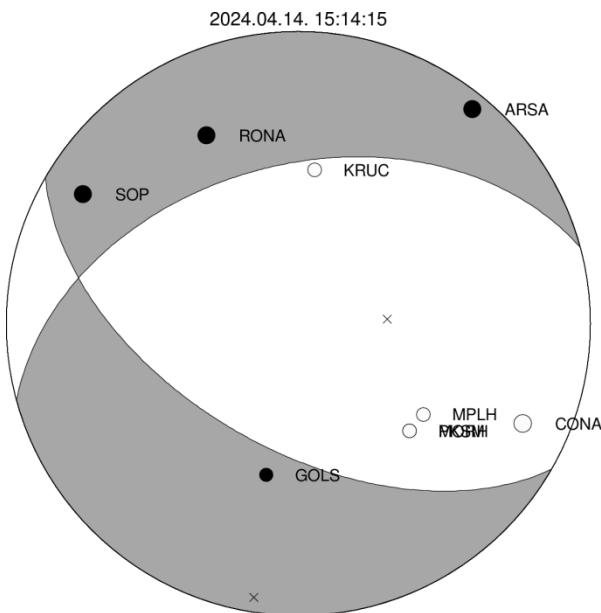
542.

2024-04-14 time: 16:30:02.71 UTC ML= 1.0  
 lat: 47.791N lon: 16.192E h= 13.5 km  
 erh= 3.1km erz= 2.0km  
 nr= 8 gap=159 rms=0.25  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	12.8	142	PgU	16:30:06.20			0.17
			Sg		30:08.49		-0.13
CONA	29.1	302	Pg	16:30:08.25			-0.18
			Sg		30:12.82		-0.07
SOP	30.0	114	Sg	16:30:12.83			-0.32

539.

2024-04-14 time: 15:18:32.45 UTC ML= 0.6  
 lat: 47.815N lon: 16.229E h= 14.8 km  
 erh= 5.0km erz= 5.0km  
 nr= 5 gap=186 rms=0.15  
 Locality: Austria  
 Comments:



## Hypocenter Parameters

WINA 36.3 346 Pg 16:30:09.88 0.26  
 KRUC 142.1 6 Pn 16:30:26.04 0.31  
 Sn 30:43.15 -0.54

543.

2024-04-14 time: 16:45:24.65 UTC ML= 0.8  
 lat: 47.805N lon: 16.190E h= 13.2 km  
 erh= 2.7km erz= 2.2km  
 nr= 13 gap=110 rms=0.71  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.2	146	PgU	16:45:28.05	-0.06
			Sg	45:30.95	0.15
CONA	28.1	299	Pg	16:45:30.36	0.16
			Sg	45:35.65	1.13
SOP	30.8	116	Pg	16:45:30.82	0.20
			Sg	45:34.83	-0.45
WINA	34.7	345	Pg	16:45:31.50	0.22
			Sg	45:35.59	-0.86
ARSA	79.6	219	Sg	16:45:49.51	-0.77
ABNA	111.4	330	Pn	16:45:43.43	-0.46
			Sn	45:57.30	-1.60
KRUC	140.5	6	Pn	16:45:49.25	1.73
			Sn	46:05.06	-0.30

544.

2024-04-14 time: 16:57:15.40 UTC ML= 0.5  
 lat: 47.807N lon: 16.222E h= 17.0 km  
 erh= 3.5km erz= 2.2km  
 nr= 5 gap=218 rms=0.16  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	13.2	155	PgU	16:57:19.28	0.04
			Sg	57:22.21	-0.03
CONA	30.1	297	Pg	16:57:21.36	-0.21
			Sg	57:26.71	0.33
ARSA	81.3	220	S*	16:57:41.32	0.08

545.

2024-04-14 time: 17:30:18.95 UTC ML= 0.5  
 lat: 47.833N lon: 16.234E h= 10.0 km  
 erh= 2.0km erz= 1.8km  
 nr= 6 gap=128 rms=0.16  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.5	163	Pg	17:30:22.36	0.11
			Sg	30:25.04	0.22
SOP	29.4	124	Sg	17:30:28.59	-0.24
CONA	29.8	291	Pg	17:30:24.39	-0.18
			Sg	30:28.95	0.00
KRUC	137.2	5	Sn	17:30:59.77	0.13

546.

2024-04-14 time: 18:02:34.77 UTC ML= 0.1  
 lat: 47.828N lon: 16.228E h= 12.3 km  
 erh= 0.1km erz= 0.1km  
 nr= 5 gap=132 rms=0.06  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.1	160	PgU	18:02:38.30	0.05
			Sg	02:41.00	0.03
SOP	29.5	123	Sg	18:02:44.84	-0.10

## Földrengés paraméterek

CONA 29.6 292 Sg 18:02:44.91 -0.05  
 KRUC 137.8 5 Sn 18:03:15.10 0.03

547.

2024-04-14 time: 21:48:34.54 UTC ML= 0.5  
 lat: 47.841N lon: 16.232E h= 12.9 km  
 erh= 3.3km erz= 2.6km  
 nr= 10 gap=147 rms=0.54  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.4	163	PgU	21:48:37.96	-0.31
			Sg	48:41.03	-0.14
CONA	29.4	289	Pg	21:48:40.51	0.24
			Sg	48:45.30	0.56
SOP	30.1	126	Pg	21:48:40.69	0.31
			Sg	48:44.75	-0.19
WINA	31.9	338	Pg	21:48:41.43	0.74
			Sg	48:44.48	-1.01
ABNA	109.7	327	Pn	21:48:53.49	-0.12
			Sn	49:06.63	-1.85

548.

2024-04-15 time: 7:14:33.70 UTC ML= 0.6  
 lat: 47.292N lon: 17.935E h= 0.0 km  
 erh= 2.5km erz= 726km  
 nr= 7 gap= 94 rms=0.49  
 Locality: Nagyesztergár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	8.3	116	Pg	7:14:34.71	-0.48
			Sg	14:36.34	-0.01
CSKK	25.8	72	Sg	7:14:42.49	0.57
MPLH	32.9	246	Sg	7:14:44.39	0.24
PKSG	36.2	72	Pg	7:14:40.51	0.35
TIH	43.6	184	Sg	7:14:47.69	0.11
MODS	130.0	338	Sg	7:15:13.53	-1.50

549.

2024-04-15 time: 9:17:09.26 UTC ML= 1.5  
 lat: 48.565N lon: 20.824E h= 0.0 km  
 erh= 3.2km erz= \*\*\*km  
 nr= 10 gap=116 rms=0.90  
 Locality: Hidvégdőd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.6	250	Pg	9:17:13.84	-0.16
			Sg	17:17.10	-0.61
ABAH	42.9	134	Pg	9:17:17.23	0.31
			Sg	17:22.71	-0.18
STHS	99.6	18	Pg	9:17:26.89	-0.15
			Sg	17:39.32	-1.59
PSZ	99.7	224	Pg	9:17:27.93	0.87
			Sg	17:40.03	-0.91
NIE	102.0	339	Pg	9:17:29.04	1.56
			Sg	17:40.10	-1.59

550.

2024-04-15 time: 9:57:58.87 UTC ML= 1.8  
 lat: 47.859N lon: 18.901E h= 0.0 km  
 erh= 4.2km erz= 6.6km  
 nr= 14 gap=124 rms=0.82  
 Locality: Márianosztra  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	29.5	105	Sg	9:58:08.04	-0.21



## Földrengés paraméterek

## Hypocenter Parameters

BUD 42.8 168 Sg 9:58:12.94 0.48  
 PKSG 64.6 216 Pg 9:58:10.49 0.09  
 Sg 58:19.32 -0.08  
 CSKK 73.2 221 Pg 9:58:12.81 0.86  
 Sg 58:21.61 -0.54  
 PSZ 74.6 85 Pg 9:58:12.61 0.42  
 Sg 58:20.96 -1.62  
 MPLH 128.0 233 Sg 9:58:37.91 -1.65  
 SMOL 131.5 304 Pn 9:58:23.18 0.89  
 Sn 58:39.61 -0.96  
 MODS 133.7 295 Sn 9:58:39.09 -1.98  
 JAVC 143.8 321 Pn 9:58:24.35 0.52  
 Sn 58:43.13 -0.17

551.

2024-04-15 time: 10:34:24.24 UTC ML= 1.3  
 lat: 47.592N lon: 18.446E h= 0.0 km  
 erh= 7.6km erz= 855km  
 nr= 6 gap=246 rms=0.66  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	22.7	191	Pg	10:34:28.65	0.36
			Sg	34:30.99	-0.46
CSKK	29.1	209	Pg	10:34:30.30	0.87
			Sg	34:33.15	-0.33
BUD	45.2	106	Sg	10:34:37.83	-0.76
PKST	48.4	220	Sg	10:34:38.69	-0.92

552.

2024-04-15 time: 11:40:46.70 UTC ML= 1.2  
 lat: 48.441N lon: 20.796E h= 0.0 km  
 erh= 3.4km erz= 922km  
 nr= 7 gap=134 rms=0.62  
 Locality: Meszes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.4	282	Pg	11:40:50.91	0.03
			Sg	40:54.54	0.40
ABAH	36.6	116	Pg	11:40:53.36	0.13
			Sg	40:58.13	-0.20
PSZ	88.7	229	Pg	11:41:03.21	0.67
			Sg	41:13.13	-1.77
NIE	114.4	342	Sg	11:41:22.13	-0.92

553.

2024-04-15 time: 13:31:26.07 UTC ML= 1.7  
 lat: 46.315N lon: 22.969E h= 0.0 km  
 erh= 4.5km erz= 655km  
 nr= 7 gap=209 rms=0.45  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	56.6	340	Pg	13:31:36.13	-0.05
			Sg	31:43.30	-0.76
SURR	90.3	226	Pg	13:31:42.80	0.60
			Sg	31:54.60	-0.18
GZR	103.5	188	Sg	13:31:58.17	-0.79
BZS	130.4	233	Pg	13:31:49.56	0.20
			Sg	32:07.69	0.17

554.

2024-04-15 time: 13:39:33.16 UTC ML= 1.4  
 lat: 47.871N lon: 16.050E h= 0.0 km  
 erh= 2.6km erz= 4.2km  
 nr= 7 gap=125 rms=1.03  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.5	294	Pg	13:39:36.39	0.47
			Sg	39:39.13	1.05
RONA	26.5	136	Pg	13:39:38.54	0.65
			Sg	39:42.19	0.61
ARSA	79.6	210	Sg	13:39:56.73	-1.72
KRUC	134.9	11	Pn	13:39:56.73	-0.28
			Sn	40:12.91	-2.70

555.

2024-04-16 time: 5:54:27.61 UTC ML= 0.8  
 lat: 47.800N lon: 16.152E h= 8.5 km  
 erh= 1.4km erz= 1.7km  
 nr= 12 gap=106 rms=0.38  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.6	136	PgD	5:54:30.99	0.21
			Sg	54:33.21	-0.04
CONA	26.0	303	Pg	5:54:33.08	0.59
			Sg	54:35.85	-0.45
SOP	33.2	113	Pg	5:54:33.72	0.00
			Sg	54:37.73	-0.76
WINA	34.7	350	Pg	5:54:34.18	0.19
			Sg	54:38.69	-0.28
ARSA	77.3	218	Sg	5:54:51.98	-0.34
ABNA	110.5	331	Pn	5:54:47.12	-0.23
			Sn	54:59.84	-2.90*
KRUC	141.5	7	Pn	5:54:51.48	0.27

556.

2024-04-16 time: 6:45:06.02 UTC ML= 2.3  
 lat: 47.930N lon: 16.346E h= 7.1 km  
 erh= 1.5km erz= 1.5km  
 nr= 40 gap= 58 rms=0.94  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	25.9	188	PgD	6:45:10.96	0.14
			Sg	45:13.95	-0.62
WINA	28.3	314	Pg	6:45:12.37	1.14
			Sg	45:16.48	1.18
SOP	31.8	150	Pg	6:45:12.19	0.35
			Sg	45:15.71	-0.66
CONA	36.2	270	Pg	6:45:13.00	0.39
			Sg	45:17.40	-0.34
ZST	63.7	62	Pg	6:45:17.57	0.10
			Sg	45:26.02	-0.38
MODS	85.1	55	Pg	6:45:21.19	-0.08
			Sg	45:32.38	-0.78
EGYH	93.5	128	Pg	6:45:23.60	0.83
			Sg	45:35.15	-0.68
ARSA	97.7	219	Pg	6:45:22.69	-0.82
			Sg	45:34.07	-3.08
SMOL	103.4	51	Sg	6:45:37.95	-1.01
ABNA	106.6	321	Pg	6:45:24.53	-0.57
			Sg	45:38.01	-1.96
MPLH	123.4	133	Pn	6:45:27.97	0.44
			Sn	45:43.22	-1.09
KRUC	125.9	2	Pn	6:45:27.67	-0.18
			Sn	45:43.22	-1.65
JAVC	142.5	44	Pn	6:45:31.91	2.00

## Hypocenter Parameters

## Földrengés paraméterek

Sn 45:48.37 -0.18  
 PKST 147.3 120 Sn 6:45:49.68 0.06  
 VRAC 154.3 7 Pn 6:45:31.49 0.10  
 Sn 45:50.42 -0.76  
 MOA 155.8 267 Pn 6:45:31.01 -0.56  
 Sn 45:50.07 -1.43  
 TREC 164.4 337 eSn 6:45:53.40 -0.02  
 KOGS 164.9 183 Pn 6:45:35.78 3.06  
 Sn 45:54.06 0.53  
 SOKA 171.0 215 Pn 6:45:35.93 2.46  
 PERS 171.3 213 Pn 6:45:34.17 0.66  
 Sn 45:54.88 -0.08  
 GROS 175.4 201 Pn 6:45:37.06 3.04  
 KHC 244.1 303 ePn 6:45:45.00 2.41  
 eSn 46:13.70 2.59  
 KBA 245.1 247 Sn 6:46:10.37 -0.96

557.

2024-04-16 time: 7:06:01.19 UTC ML= 1.8  
 lat: 47.866N lon: 20.170E h= 0.0 km  
 erh= 5.6km erz= 4.6km  
 nr= 6 gap=230 rms=0.83  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.4	286	Pg	7:06:05.67	0.66
			Sg	06:07.89	-0.10
PENC	67.0	263	Pg	7:06:13.84	0.68
			Sg	06:22.10	-0.39
KECS	72.6	19	Sg	7:06:23.47	-0.79
PKSG	143.7	248	Sn	7:06:43.69	-1.92

558.

2024-04-16 time: 8:00:29.77 UTC ML= 1.6  
 lat: 48.534N lon: 20.730E h= 0.0 km  
 erh= 5.8km erz= 761km  
 nr= 5 gap=233 rms=0.38  
 Locality: Bódvaszilás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	18.9	253	Pg	8:00:32.80	-0.34
			Sg	00:36.13	0.35
ABAH	46.1	125	Pg	8:00:38.47	0.47
			Sg	00:44.21	-0.21
PSZ	92.4	222	Sg	8:00:58.76	-0.38

559.

2024-04-16 time: 8:08:41.05 UTC ML= 1.5  
 lat: 48.578N lon: 20.766E h= 0.0 km  
 erh= 2.7km erz= 688km  
 nr= 7 gap=138 rms=0.46  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.2	243	Pg	8:08:45.23	0.03
			Sg	08:48.56	0.12
ABAH	47.1	132	Pg	8:08:50.39	0.94
			Sg	08:55.47	-0.54
PSZ	97.8	221	Pg	8:08:58.41	-0.11
			Sg	09:11.45	-0.70
STHS	99.6	21	Pg	8:08:58.67	-0.16

560.

2024-04-16 time: 9:04:13.83 UTC ML= 2.0  
 lat: 47.743N lon: 18.661E h= 0.0 km  
 erh= 3.1km erz= 4.5km  
 nr= 21 gap=139 rms=1.13  
 Locality: Tát  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	27.2	287	Pg	9:04:18.59	-0.09
			Sg	04:21.91	-0.56
PKSG	44.1	207	Pg	9:04:23.02	1.32
			Sg	04:27.39	-0.45
PENC	46.8	84	Sg	9:04:27.07	-1.64
CSKK	51.9	215	Pg	9:04:24.13	1.03
			Sg	04:29.73	-0.60
PKST	71.6	221	Pg	9:04:27.25	0.63
			Sg	04:36.13	-0.46
MPLH	105.9	233	Pg	9:04:33.52	0.78
			Sg	04:46.17	-1.32
EGYH	106.4	250	Pg	9:04:33.77	0.95
			Sg	04:46.95	-0.69
MODS	124.7	304	Pg	9:04:36.96	0.87
			Sg	04:51.13	-2.33
ZST	126.8	293	Sg	9:04:52.16	-1.97
PKS9	131.8	193	Sn	9:04:52.55	-3.05
MORH	169.8	180	Pn	9:04:42.38	0.34
			Sn	05:01.68	-2.36
PKSM	170.3	181	Pn	9:04:43.16	1.07
			Sn	05:02.46	-1.68

561.

2024-04-16 time: 9:22:03.37 UTC ML= 1.4  
 lat: 47.879N lon: 16.063E h= 0.0 km  
 erh= 3.6km erz= 6.6km  
 nr= 9 gap= 81 rms=1.05  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.0	290	Pg	9:22:06.91	0.68
			Sg	22:09.65	1.19
RONA	26.5	139	Pg	9:22:08.86	0.75
			Sg	22:12.65	0.85
ARSA	80.8	210	Pg	9:22:17.86	0.06
			Sg	22:26.47	-2.59
MODS	105.8	59	Sg	9:22:36.52	-0.49
KRUC	133.8	11	Pn	9:22:26.34	-0.75
			Sn	22:43.43	-2.16

562.

2024-04-16 time: 11:14:27.37 UTC ML= 1.5  
 lat: 47.180N lon: 16.053E h= 0.0 km  
 erh= 8.1km erz= \*\*\*km  
 nr= 6 gap=152 rms=1.20  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ARSA	40.9	281	Pg	11:14:36.06	1.39
			Sg	14:39.10	-1.26
RONA	60.6	18	Pg	11:14:39.19	1.00
			Sg	14:45.13	-1.50
KOGS	82.8	170	Sg	11:14:51.81	-1.86
CONA	84.4	350	Pg	11:14:42.30	-0.14

## Földrengés paraméterek

## Hypocenter Parameters

563.

2024-04-16 time: 12:11:14.55 UTC ML= 1.6  
 lat: 46.378N lon: 22.169E h= 1.8 km  
 erh= 4.8km erz= 7.6km  
 nr= 7 gap=195 rms=0.77  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	62.0	42	Pg	12:11:26.60	0.98
			Sg	11:33.75	-0.51
SURR	69.4	183	Sg	12:11:35.87	-0.76
BZS	94.8	207	Pg	12:11:31.95	0.46
			Sg	11:43.87	-0.83
CJR	115.8	71	Sg	12:11:50.34	-1.01
VOIR	246.8	115	Sn	12:12:22.04	0.62

564.

2024-04-16 time: 13:14:41.67 UTC ML= 1.6  
 lat: 47.942N lon: 16.064E h= 0.0 km  
 erh= 4.7km erz= 795km  
 nr= 5 gap=195 rms=0.37  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.2	264	Pg	13:14:44.60	0.21
			Sg	14:46.10	-0.40
ZST	82.4	70	Sg	13:15:07.30	-0.57
KRUC	127.0	11	Pg	13:15:04.76	0.42
			Sg	15:21.78	-0.25

565.

2024-04-16 time: 18:13:39.32 UTC ML= 1.2  
 lat: 45.658N lon: 21.873E h= 12.5 km  
 erh= 1.7km erz= 1.4km  
 nr= 6 gap=144 rms=0.19  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.5	257	Pg	18:13:43.45	-0.15
			Sg	13:47.02	0.07
SURR	22.3	61	Pg	18:13:44.14	0.25
			Sg	13:47.14	-0.31
GZR	76.5	113	Sg	18:14:03.96	0.01
DRGR	141.7	27	Sn	18:14:20.46	0.03

566.

2024-04-16 time: 19:24:10.75 UTC ML= 0.6  
 lat: 45.763N lon: 21.807E h= 10.0 km  
 erh= 6.3km erz=12.6km  
 nr= 5 gap=186 rms=0.22  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	22.0	222	Pg	19:24:15.10	0.03
			Sg	24:18.43	-0.01
SURR	24.7	92	Pg	19:24:15.76	0.24
			Sg	24:18.56	-0.67
TIM	45.7	266	Pg	19:24:19.04	-0.07

567.

2024-04-16 time: 22:52:57.65 UTC ML= 1.8  
 lat: 45.675N lon: 21.878E h= 12.2 km  
 erh= 1.9km erz= 1.3km  
 nr= 15 gap=127 rms=0.40  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	21.1	65	PgD	22:53:02.26	0.25
			Sg	53:05.45	0.05
BZS	21.4	252	Pg	22:53:01.67	-0.38
			Sg	53:05.01	-0.47
TIM	51.6	278	Pg	22:53:07.40	0.27
			Sg	53:14.19	-0.33
BANR	66.5	241	Pg	22:53:10.08	0.35
			Sg	53:19.34	0.20
GZR	76.9	114	Sg	22:53:22.08	-0.31
DEV	83.0	74	Sg	22:53:22.47	-1.86
AMBH	116.6	310	Pn	22:53:17.97	0.31
			Sn	53:32.45	-0.82
DRGR	139.8	27	Pn	22:53:20.81	0.26
			Sn	53:37.80	-0.62
LTVH	190.1	1	Sn	22:53:50.19	0.61

568.

2024-04-16 time: 23:07:45.78 UTC ML= 0.8  
 lat: 45.647N lon: 21.899E h= 10.0 km  
 erh= 2.3km erz= 0.9km  
 nr= 6 gap=188 rms=0.23  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	21.3	56	Pg	23:07:50.19	0.21
			Sg	07:53.00	-0.25
BZS	22.2	261	Pg	23:07:50.00	-0.13
			Sg	07:53.26	-0.27
BANR	66.5	244	Sg	23:08:07.54	0.39
DRGR	141.9	26	Sn	23:08:27.53	0.01

569.

2024-04-17 time: 7:40:24.37 UTC ML= 1.5  
 lat: 47.800N lon: 16.203E h= 13.3 km  
 erh= 1.8km erz= 1.4km  
 nr= 20 gap= 72 rms=0.63  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	13.2	148	PgU	7:40:28.05	0.34
			Sg	40:30.35	0.03
CONA	29.3	299	Pg	7:40:30.16	0.05
			Sg	40:34.14	-0.45
SOP	29.6	116	Pg	7:40:30.61	0.44
			Sg	40:34.59	-0.11
WINA	35.5	344	Pg	7:40:31.47	0.32
			Sg	40:36.30	-0.13
ARSA	79.7	220	Pg	7:40:38.47	-0.33
			Sg	40:48.70	-1.35
MODS	102.4	51	P*	7:40:42.27	-0.17
			S*	40:55.59	-0.95
ABNA	112.4	329	Pn	7:40:43.46	-0.26
			Sn	40:56.94	-1.87
KRUC	141.1	6	Pn	7:40:47.88	0.59
			Sn	41:04.58	-0.58
MOA	145.1	272	Pn	7:40:50.32	2.53
			Sn	41:06.71	0.64
VRAC	170.2	10	Pn	7:40:51.99	1.07
			Sn	41:11.75	0.12

### Hypocenter Parameters

### Földrengés paraméterek

570.

2024-04-17 time: 8:08:41.34 UTC ML= 1.5  
lat: 48.352N lon: 19.816E h= 0.0 km  
erh= 3.1km erz= 7.2km  
nr= 13 gap=142 rms=1.00  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	48.6	173	Pg	8:08:50.08	0.07
			Sg	08:56.60	-0.18
KECS	51.7	74	Pg	8:08:50.39	-0.18
			Sg	08:57.57	-0.19
LANS	92.4	344	Pg	8:09:00.11	2.27
			Sg	09:09.51	-1.20
ABAH	105.8	93	Pg	8:09:00.04	-0.18
			Sg	09:13.95	-1.00
ZBNS	122.5	315	Pg	8:09:03.64	0.42
			Sg	09:18.58	-1.70
NIE	124.1	17	Pg	8:09:03.97	0.47
			Sg	09:18.90	-1.89
STHS	158.1	41	Sn	8:09:30.32	1.38

571.

2024-04-17 time: 8:47:54.61 UTC ML= 2.1  
lat: 46.874N lon: 17.314E h= 0.0 km  
erh= 2.0km erz= 3.2km  
nr= 27 gap= 93 rms=0.93  
Locality: Várkölygy  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	37.2	27	Pg	8:48:01.65	0.41
			Sg	48:06.21	-0.21
TIH	44.2	86	Sg	8:48:09.49	0.82
EGYH	60.4	1	Sg	8:48:13.55	-0.27
PKST	69.5	52	Pg	8:48:07.92	0.90
			Sg	48:17.13	0.43
PKS9	80.3	113	Sg	8:48:19.14	-1.01
CSKK	90.1	53	Pg	8:48:11.70	1.00
			Sg	48:22.55	-0.70
KOGS	94.2	240	Pg	8:48:11.30	-0.12
PKSG	100.0	55	Pg	8:48:13.40	0.94
			Sg	48:26.44	0.06
KOVH	106.1	145	Pg	8:48:14.70	1.14
			Sg	48:27.50	-0.84
SOP	106.6	328	Sg	8:48:24.88	-3.62
MORH	125.5	126	Pg	8:48:17.83	0.81
			Sg	48:32.96	-1.55
PKSM	125.6	126	Pg	8:48:16.81	-0.23
			Sg	48:32.57	-1.97
SRO	128.9	36	Pg	8:48:17.00	-0.63
			Sg	48:34.01	-1.57
PKSV	131.2	147	Pn	8:48:17.70	-0.30
			Sn	48:34.42	-1.82
ARSA	142.4	287	Pn	8:48:18.49	-0.90
MODS	166.8	359	Sn	8:48:42.88	-1.27
SOKA	175.6	263	Pn	8:48:25.01	1.47
PSZ	226.8	59	Sn	8:48:58.46	0.99

572.

2024-04-17 time: 9:21:09.13 UTC ML= 1.4  
lat: 46.036N lon: 22.836E h= 0.0 km  
erh= 4.6km erz= 8.4km  
nr= 9 gap=118 rms=1.06  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.8	163	Pg	9:21:12.78	0.47
			Sg	21:14.86	0.07
SURR	63.5	240	Pg	9:21:21.91	1.44

			Sg	21:28.43	-0.89
GZR	71.6	184	Sg	9:21:31.04	-0.86
DRGR	84.5	353	Pg	9:21:24.91	0.69
			Sg	21:34.69	-1.29
BZS	105.6	244	Sg	9:21:40.17	-2.53
VOIR	184.7	111	Sn	9:22:02.21	-0.43

573.

2024-04-17 time: 9:32:18.71 UTC ML= 1.2  
lat: 47.495N lon: 18.652E h= 0.0 km  
erh= 3.9km erz= 3.7km  
nr= 13 gap=117 rms=0.99  
Locality: Bicske  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	22.8	240	Pg	9:32:23.85	1.08
			Sg	32:26.85	0.90
CSKK	32.9	244	Sg	9:32:29.60	0.42
PKST	53.5	241	Sg	9:32:35.29	-0.42
PENC	57.6	55	Sg	9:32:38.21	1.18
MPLH	91.5	247	Sg	9:32:46.57	-1.22
PSZ	104.5	63	Sg	9:32:51.07	-0.85
MODS	141.7	314	Sn	9:33:00.99	-1.70
MORH	142.2	180	Pn	9:32:43.43	-0.04
			Sn	33:01.56	-1.23
PKSM	142.6	180	Pn	9:32:43.56	0.03
			Sn	33:01.43	-1.46
KOVH	161.9	195	Sn	9:33:09.01	1.84

574.

2024-04-17 time: 9:47:55.46 UTC ML= 1.4  
lat: 45.933N lon: 22.392E h= 0.0 km  
erh= 2.2km erz= 661km  
nr= 7 gap=148 rms=0.45  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	28.8	226	Pg	9:48:00.52	-0.08
			Sg	48:04.17	-0.44
DEV	40.0	98	Sg	9:48:07.30	-0.89
GZR	67.1	153	Pg	9:48:08.08	0.64
			Sg	48:17.21	0.43
DRGR	98.5	14	Pg	9:48:13.04	-0.02
			Sg	48:26.60	-0.18
VOIR	214.2	105	Sn	9:49:01.82	6.29*

575.

2024-04-17 time: 10:00:19.67 UTC ML= 1.8  
lat: 48.161N lon: 16.854E h= 0.0 km  
erh= 2.3km erz= 618km  
nr= 7 gap=172 rms=0.41  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.9	78	Pg	10:00:23.52	0.47
			Sg	00:24.69	-0.99
MODS	39.3	53	Pg	10:00:26.84	0.15
			Sg	00:31.80	-0.37
CONA	78.4	251	Sg	10:00:44.32	-0.27
KRUC	105.7	341	Sg	10:00:53.45	0.19
VRAC	129.0	351	Sg	10:01:00.56	-0.10

## Földrengés paraméterek

## Hypocenter Parameters

576.

2024-04-17 time: 10:10:13.65 UTC ML= 1.0  
 lat: 47.196N lon: 18.306E h= 0.0 km  
 erh= 3.2km erz= 420km  
 nr= 7 gap=251 rms=0.40  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.8	350	Pg	10:10:16.89	-0.13
			Sg	10:19.04	-0.60
PKST	21.7	289	Pg	10:10:17.98	0.45
			Sg	10:19.71	-0.84
PKSG	22.6	16	Sg	10:10:21.35	0.50
MPLH	58.2	267	Pg	10:10:24.13	0.09
			Sg	10:32.08	-0.06

577.

2024-04-17 time: 11:19:10.46 UTC ML= 1.6  
 lat: 47.844N lon: 16.118E h= 0.0 km  
 erh= 2.5km erz= 3.3km  
 nr= 9 gap=158 rms=0.58  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	21.3	296	Pg	11:19:14.86	0.60
			Sg	19:17.08	-0.15
ARSA	79.8	214	Pg	11:19:24.91	0.21
			Sg	19:34.69	-1.12
MODS	104.5	56	Sg	11:19:43.95	0.27
KRUC	137.0	9	Pn	11:19:34.43	-0.13
			Sn	19:51.52	-1.85
VRAC	166.6	12	Pn	11:19:38.67	0.41
			Sn	19:59.41	-0.53

578.

2024-04-17 time: 22:08:56.52 UTC ML= 0.3  
 lat: 47.787N lon: 16.181E h= 15.4 km  
 erh= 1.7km erz= 1.2km  
 nr= 8 gap=106 rms=0.30  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	13.0	138	PgU	22:09:00.29	0.17
			Sg	09:02.54	-0.38
CONA	28.6	303	Pg	22:09:02.60	0.28
			Sg	09:06.45	-0.39
SOP	30.6	112	Pg	22:09:02.93	0.30
			Sg	09:06.97	-0.42
ARSA	77.6	220	S*	22:09:21.41	-0.22
KRUC	142.6	6	Sn	22:09:37.02	-0.17

579.

2024-04-18 time: 6:23:08.98 UTC ML= 1.0  
 lat: 47.970N lon: 16.085E h= 0.0 km  
 erh= 3.1km erz= 819km  
 nr= 5 gap=141 rms=0.37  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.3	255	Pg	6:23:11.63	-0.44
			Sg	23:15.04	0.57
RONA	33.9	152	Sg	6:23:19.78	0.02
KRUC	123.6	11	Pg	6:23:31.35	0.30
			Sg	23:48.02	-0.25

580.

2024-04-18 time: 6:39:14.07 UTC ML= 1.1  
 lat: 48.095N lon: 20.665E h= 0.0 km  
 erh= 1.2km erz= 261km  
 nr= 6 gap=189 rms=0.15  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.1	343	Pg	6:39:22.16	0.03
			Sg	39:28.40	-0.02
ABAH	48.2	62	Pg	6:39:22.74	0.06
			Sg	39:29.18	-0.22
PSZ	60.7	251	Pg	6:39:25.08	0.16
			Sg	39:33.01	-0.37

581.

2024-04-18 time: 8:19:09.79 UTC ML= 1.7  
 lat: 46.114N lon: 21.734E h= 0.0 km  
 erh= 1.6km erz= 4.2km  
 nr= 12 gap= 99 rms=0.54  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	50.2	143	Pg	8:19:18.89	0.13
			Sg	19:26.33	0.58
BZS	56.1	189	Pg	8:19:19.47	-0.33
			Sg	19:27.24	-0.37
AMBH	82.1	289	Pg	8:19:24.93	0.48
			Sg	19:35.43	-0.46
DEV	94.1	106	Sg	8:19:39.17	-0.54
DRGR	106.3	45	Pg	8:19:29.16	0.38
			Sg	19:43.36	-0.22
GZR	114.0	135	Pg	8:19:30.88	0.73
			Sg	19:44.92	-1.11
LTVH	141.8	5	Sn	8:19:52.62	-1.16

582.

2024-04-18 time: 9:00:10.21 UTC ML= 1.0  
 lat: 47.201N lon: 18.302E h= 0.0 km  
 erh= 2.8km erz= 811km  
 nr= 9 gap=149 rms=0.60  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.3	350	Pg	9:00:13.93	0.45
			Sg	00:15.52	-0.50
PKST	21.3	288	Pg	9:00:14.16	0.15
			Sg	00:16.00	-0.98
PKSG	22.2	17	Pg	9:00:14.42	0.24
			Sg	00:16.50	-0.77
MPLH	57.9	267	Pg	9:00:21.18	0.62
MORH	112.6	167	Sg	9:00:45.96	-0.05
KOVH	124.7	187	Sg	9:00:47.78	-2.06

583.

2024-04-18 time: 9:02:20.98 UTC ML= 1.4  
 lat: 47.322N lon: 18.482E h= 0.0 km  
 erh= 2.2km erz= 735km  
 nr= 9 gap=116 rms=0.57  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.4	318	PgU	9:02:23.03	0.20
			Sg	02:23.46	-0.81
CSKK	17.4	285	Pg	9:02:24.37	0.29
			Sg	02:25.73	-0.76

## Hypocenter Parameters

## Földrengés paraméterek

PKST 34.6 258 Pg 9:02:28.01 0.85  
 Sg 02:31.12 -0.86  
 MORH 123.6 174 Sg 9:03:00.31 0.04  
 PKSM 124.0 174 Sg 9:03:00.50 0.09  
 PSZ 125.2 58 Sg 9:03:00.29 -0.47

584.

2024-04-18 time: 9:05:49.29 UTC ML= 2.0  
 lat: 47.930N lon: 19.360E h= 0.0 km  
 erh= 2.1km erz= 2.5km  
 nr= 34 gap= 85 rms=0.94  
 Locality: Szécsénke  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.6	201	Pg	9:05:52.20	-0.05
			Sg	05:56.04	1.48
PSZ	40.0	92	Pg	9:05:56.17	-0.25
			Sg	06:01.43	-0.56
SF5A	44.4	177	Sg	9:06:03.76	0.37
BUD	55.7	207	Sg	9:06:06.50	-0.49
PBUD	57.9	207	Sg	9:06:07.54	-0.14
SRO	79.4	261	Sg	9:06:14.62	0.10
PKSG	94.3	231	Pg	9:06:05.45	-0.67
			Sg	06:19.17	-0.08
PKS7	99.3	189	Sg	9:06:19.89	-0.96
KECS	103.8	54	Pg	9:06:08.57	0.74
CSKK	103.9	233	Pg	9:06:09.10	1.26
			Sg	06:21.97	-0.35
PKST	124.5	233	Pg	9:06:11.18	-0.34
			Sg	06:27.43	-1.44
LANS	135.9	3	Pn	9:06:14.17	0.90
			Sn	06:29.64	-2.34
ZBNS	143.9	338	Pn	9:06:14.89	0.62
			Sn	06:32.75	-1.00
ABAH	145.7	74	Pn	9:06:15.08	0.59
			Sn	06:32.10	-2.05
SMOL	157.5	294	Sn	9:06:36.00	-0.76
MPLH	161.0	238	Pn	9:06:15.87	-0.52
			Sn	06:37.56	0.02
JAVC	162.2	310	Pn	9:06:17.17	0.62
			Sn	06:37.58	-0.24
MODS	162.6	288	Sn	9:06:38.10	0.20
EGYH	162.6	249	Sn	9:06:37.32	-0.58
NIE	179.8	23	Sn	9:06:40.44	-1.27
MORH	198.2	196	Pn	9:06:24.50	3.47
PKSM	198.7	196	Pn	9:06:25.55	4.46
KOVH	226.1	205	Sn	9:06:51.30	-0.68
RONA	230.9	264	Sn	9:06:54.11	1.06
MORC	244.9	327	Sn	9:07:02.63	6.47*

585.

2024-04-18 time: 10:37:00.52 UTC ML= 1.8  
 lat: 47.311N lon: 18.448E h= 0.0 km  
 erh= 2.4km erz= 5.1km  
 nr= 10 gap=115 rms=0.69  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.9	334	PgU	10:37:02.45	0.16
			Sg	37:02.77	-0.90
CSKK	15.3	292	PgU	10:37:03.72	0.48
			Sg	37:04.79	-0.58
PKST	31.8	259	Sg	10:37:09.99	-0.63
MORH	122.7	173	Sg	10:37:39.79	0.27
PKSM	123.1	173	Sg	10:37:39.27	-0.38
PSZ	128.0	58	Pg	10:37:24.45	1.07
			Sg	37:39.59	-1.62
KOVH	138.5	191	Sn	10:37:43.95	0.17

586.

2024-04-18 time: 16:15:43.10 UTC ML= 1.4  
 lat: 45.662N lon: 21.885E h= 16.0 km  
 erh= 2.2km erz= 0.8km  
 nr= 6 gap=195 rms=0.06  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	21.2	61	Pg	16:15:47.92	0.07
			Sg	15:51.49	-0.07
BZS	21.5	256	Pg	16:15:47.85	-0.04
			Sg	15:51.56	-0.07
TIM	52.4	279	Pg	16:15:52.95	0.07
DRGR	140.8	27	Sn	16:16:23.14	-0.07

587.

2024-04-19 time: 4:23:05.22 UTC ML= 1.4  
 lat: 45.591N lon: 20.983E h= 2.1 km  
 erh= 1.4km erz=29.9km  
 nr= 5 gap=194 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	26.0	153	PgU	4:23:09.78	-0.10
			Sg	23:12.28	-1.24
BZS	49.5	87	Pg	4:23:14.81	0.74
			Sg	23:20.59	-0.38
AMBH	86.7	347	Sg	4:23:32.94	0.15

588.

2024-04-19 time: 6:24:02.07 UTC ML= 1.1  
 lat: 46.120N lon: 18.097E h= 0.0 km  
 erh= 1.3km erz= 153km  
 nr= 7 gap=259 rms=0.10  
 Locality: Abaliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	3.6	177	Pg	6:24:02.72	0.01
			Sg	24:03.30	0.09
PKSV	28.4	155	Sg	6:24:10.46	-0.65
PKSM	43.2	76	Pg	6:24:09.76	-0.03
			Sg	24:15.84	0.03
MORH	43.5	76	Pg	6:24:09.84	-0.01
			Sg	24:15.96	0.05

589.

2024-04-19 time: 6:51:40.07 UTC ML= 1.3  
 lat: 47.293N lon: 18.341E h= 0.0 km  
 erh= 1.8km erz= 2.9km  
 nr= 11 gap=110 rms=0.52  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	9.9	322	Pg	6:51:42.02	0.19
			Sg	51:42.67	-0.54
PKSG	11.6	19	Pg	6:51:42.41	0.27
			Sg	51:43.65	-0.11
PKST	23.5	261	Pg	6:51:44.37	0.10
			Sg	51:47.43	-0.11
MORH	122.0	169	Pg	6:52:02.62	0.76
			Sg	52:17.96	-0.89
PKSM	122.4	169	Sg	6:52:18.11	-0.86
KOVH	135.2	188	Sn	6:52:23.15	0.55
PSZ	135.9	59	Sn	6:52:21.75	-1.01







## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
CSKK	13.7	2	Pg	9:50:51.86	0.19
			Sg	50:53.81	0.23
PKST	16.7	277	Pg	9:50:52.23	0.02
			Sg	50:54.23	-0.31
PKSG	19.8	32	Pg	9:50:52.69	-0.07
			Sg	50:55.27	-0.25

603.

2024-04-23 time: 9:55:09.89 UTC ML= 2.0  
 lat: 48.478N lon: 17.782E h= 0.0 km  
 erh= 4.5km erz= 4.5km  
 nr= 17 gap=159 rms=1.33  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	26.5	279	Pg	9:55:14.79	0.17
			Sg	55:18.20	-0.10
MODS	39.1	253	Pg	9:55:17.83	0.95
			Sg	55:20.89	-1.44
JAVC	43.2	349	Pg	9:55:18.80	1.19
			Sg	55:22.91	-0.72
ZST	59.3	238	Pg	9:55:21.32	0.83
			Sg	55:27.72	-1.03
SRO	83.8	152	Sg	9:55:34.39	-2.12
			Pg	9:55:30.94	-0.55
KRUC	120.9	303	Sg	55:45.37	-2.96
			Pg	9:55:47.93	-2.34
RONA	140.5	232	Pn	9:55:35.81	1.37
			Sn	9:55:52.50	-2.22
MORC	145.6	353	Pn	9:55:37.25	0.96
			Sn	55:56.51	-0.37
KRLC	192.1	338	Sn	9:56:07.50	2.46

604.

2024-04-23 time: 11:45:42.52 UTC ML= 1.5  
 lat: 48.525N lon: 19.938E h= 0.0 km  
 erh= 2.3km erz= 610km  
 nr= 8 gap=151 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	40.7	97	Pg	11:45:49.86	0.07
			Sg	45:54.51	-0.96
PSZ	67.6	183	Pg	11:45:54.74	0.16
			Sg	46:03.28	-0.71
LANS	77.6	334	Pg	11:45:56.37	-0.01
			Sg	46:06.46	-0.73
ABAH	99.7	105	Pg	11:46:00.72	0.40
			Pg	11:46:01.36	0.43

605.

2024-04-23 time: 22:27:48.26 UTC ML= 1.6  
 lat: 48.713N lon: 22.245E h= 8.6 km  
 erh= 1.3km erz= 1.7km  
 nr= 11 gap=136 rms=0.31  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	24.6	5	PgU	22:27:52.75	-0.17
			Sg	27:56.54	0.00
TRPA	68.4	161	Pg	22:28:00.35	-0.22
			Sg	28:09.98	-0.18
ABAH	87.6	238	PgU	22:28:04.15	0.17
			Sg	28:16.23	-0.01
STHS	107.1	317	Pg	22:28:07.80	0.34
			Sg	28:22.28	-0.15
KECS	132.3	259	Sn	22:28:27.29	-0.88

BMR	148.5	141	Sn	22:28:33.23	1.46
LTVH	149.9	190	Pn	22:28:13.22	0.34

606.

2024-04-24 time: 7:23:43.29 UTC ML= 1.4  
 lat: 48.884N lon: 20.847E h= 0.0 km  
 erh= 5.9km erz= \*\*\*km  
 nr= 7 gap=189 rms=0.78  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	51.9	211	Pg	7:23:51.98	-0.58
			Sg	23:59.37	-0.43
NIE	71.1	327	Pg	7:23:56.53	0.54
			Sg	24:04.87	-1.02
ABAH	71.5	156	Sg	7:24:06.00	-0.02
			Pg	7:24:07.60	1.36
PSZ	128.5	213	Pg	7:24:07.60	1.36
			Sg	24:23.48	-0.65

607.

2024-04-24 time: 8:27:37.02 UTC ML= 1.4  
 lat: 47.830N lon: 19.110E h= 0.0 km  
 erh= 6.2km erz= \*\*\*km  
 nr= 6 gap=172 rms=0.62  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.5	109	Pg	8:27:40.34	0.90
			Sg	27:40.84	-0.48
PSZ	59.5	80	Pg	8:27:47.78	0.14
			Sg	27:54.88	-1.04
SRO	59.7	268	Sg	8:27:55.91	-0.09
			Pg	8:27:59.69	-0.46

608.

2024-04-24 time: 8:43:21.12 UTC ML= 1.0  
 lat: 47.076N lon: 18.046E h= 0.0 km  
 erh= 3.1km erz= \*\*\*km  
 nr= 9 gap=127 rms=0.78  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.4	357	Pg	8:43:25.06	0.31
			Sg	43:27.15	-0.44
TIH	22.8	211	Sg	8:43:29.44	1.08
			Pg	8:43:28.39	0.88
CSKK	35.8	27	Pg	8:43:28.39	0.88
			Sg	43:31.73	-0.77
MPLH	39.8	285	Pg	8:43:28.63	0.40
			Sg	43:32.58	-1.20
MORH	106.0	154	Sg	8:43:53.96	-0.86
			Pg	8:43:54.89	-1.15

609.

2024-04-24 time: 13:22:04.70 UTC ML= 2.0  
 lat: 45.889N lon: 16.009E h= 11.1 km  
 erh= 1.4km erz= 1.3km  
 nr= 33 gap= 61 rms=0.64  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.1	288	Pg	13:22:06.25	-0.57
			Sg	22:07.73	-0.74
R971	5.7	179	PgD	13:22:06.48	-0.45
			PgD	13:22:07.00	-0.02
ZAG	6.7	190	PgD	13:22:07.00	-0.02
			Sg	22:08.48	-0.35
GCIS	29.7	265	iPg	13:22:10.99	0.62

## Hypocenter Parameters

## Földrengés paraméterek

			iSg	22:14.79	0.01
GOLS	32.7	294	iPg	13:22:11.69	0.81
			iSg	22:15.81	0.12
CESS	43.4	283	iPg	13:22:13.68	0.98
			iSg	22:18.70	-0.23
CRES	43.4	261	Pg	13:22:12.85	0.14
			Sg	22:18.86	-0.09
RCF6	49.6	356	Sg	13:22:20.77	-0.08
DOBS	50.9	305	iPgC	13:22:14.43	0.43
			iSg	22:21.35	0.10
LEGS	54.0	277	iPgC	13:22:15.68	1.13
			eSg	22:21.54	-0.70
KOGS	64.9	17	Pg	13:22:16.39	-0.07
			Sg	22:24.92	-0.72
MOSL	65.6	118	Pg	13:22:15.75	-0.83
BOJS	72.8	234	iPg	13:22:18.44	0.58
			iSg	22:27.63	-0.48
GROS	74.7	328	Pg	13:22:18.05	-0.14
			Sg	22:27.84	-0.87
BEHE	87.6	42	Pg	13:22:21.20	0.72
			Sg	22:34.31	1.53
PERS	107.8	320	Pn	13:22:22.95	-0.81
			Sn	22:37.09	-1.54
SOKA	115.6	319	Pn	13:22:24.14	-0.59
			Sn	22:39.56	-0.78
ARSA	155.9	346	Sn	13:22:51.79	2.50*
PKSV	174.1	90	Sn	13:22:54.17	0.83

610.

2024-04-25 time: 6:14:56.57 UTC ML= 0.9  
 lat: 47.964N lon: 16.093E h= 0.0 km  
 erh= 1.4km erz= 2.6km  
 nr= 7 gap=139 rms=0.27  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.7	257	Pg	6:14:59.63	-0.11
			Sg	15:02.15	-0.05
RONA	33.1	153	Pg	6:15:02.53	0.05
			Sg	15:06.97	-0.12
KRUC	124.1	10	Pg	6:15:19.27	0.54
			Sg	15:35.55	-0.47
VRAC	154.0	14	Sn	6:15:43.05	-0.21

611.

2024-04-25 time: 6:37:11.28 UTC ML= 1.0  
 lat: 47.957N lon: 16.054E h= 0.0 km  
 erh= 2.4km erz= 5.3km  
 nr= 9 gap=114 rms=0.66  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.7	257	Pg	6:37:14.12	0.21
			Sg	37:16.86	0.89
RONA	33.9	148	Pg	6:37:17.25	-0.08
			Sg	37:21.63	-0.42
ARSA	88.1	207	Sg	6:37:38.77	-0.53
MODS	102.1	63	Sg	6:37:45.26	1.53
KRUC	125.4	12	Pg	6:37:33.76	0.09
			Sg	37:49.73	-1.41
VRAC	155.4	15	Sn	6:37:57.64	-0.66

612.

2024-04-25 time: 7:08:10.46 UTC ML= 1.3  
 lat: 48.034N lon: 20.711E h= 0.0 km  
 erh= 2.4km erz= 473km  
 nr= 6 gap=205 rms=0.34  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.9	53	Pg	7:08:19.50	0.31
			Sg	08:25.78	-0.22
KECS	52.6	341	Pg	7:08:19.96	0.10
			Sg	08:26.48	-0.71
PSZ	62.3	258	Pg	7:08:21.82	0.24
			Sg	08:29.74	-0.52

613.

2024-04-25 time: 7:38:48.86 UTC ML= 1.3  
 lat: 48.500N lon: 20.848E h= 0.0 km  
 erh= 1.7km erz= 230km  
 nr= 5 gap=222 rms=0.10  
 Locality: Debréte  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.8	266	Pg	7:38:53.56	-0.10
			Sg	38:57.59	0.20
ABAH	36.8	128	Sg	7:39:00.62	0.04
PSZ	96.0	228	Pg	7:39:06.05	0.05
			Sg	39:19.24	-0.13

614.

2024-04-25 time: 9:02:03.82 UTC ML= 1.7  
 lat: 47.315N lon: 18.486E h= 0.0 km  
 erh= 2.9km erz= 5.6km  
 nr= 8 gap=117 rms=0.68  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.1	320	PgU	9:02:06.28	0.47
			Sg	02:06.94	-0.42
CSKK	17.8	287	Pg	9:02:07.71	0.71
			Sg	02:08.84	-0.64
PKST	34.7	260	Sg	9:02:13.81	-1.03
MORH	122.8	174	Sg	9:02:42.43	-0.42
PSZ	125.4	58	Sg	9:02:42.90	-0.77
KOVH	139.5	192	Sn	9:02:48.25	0.95

615.

2024-04-25 time: 9:04:55.44 UTC ML= 2.0  
 lat: 46.856N lon: 17.243E h= 0.0 km  
 erh= 1.9km erz= 2.2km  
 nr= 31 gap= 53 rms=1.08  
 Locality: Rezi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.6	33	Pg	9:05:03.32	0.46
			Sg	05:08.91	0.26
EGYH	62.7	6	Sg	9:05:15.89	0.50
PKST	75.0	53	Pg	9:05:08.76	-0.07
			Sg	05:18.07	-1.20
PKS9	84.6	111	Sg	9:05:22.57	0.23
KOGS	88.5	239	Pg	9:05:11.04	-0.21
			Sg	05:22.88	-0.70
CSKK	95.6	54	Pg	9:05:13.61	1.09
			Sg	05:24.27	-1.56
PKSG	105.5	56	Pg	9:05:15.43	1.15
			Sg	05:28.15	-0.82
SOP	105.6	331	Sg	9:05:27.49	-1.51
KOVH	107.7	142	Pg	9:05:15.27	0.59
			Sg	05:28.62	-1.07
RONA	118.0	323	Pg	9:05:17.55	1.03
			Sg	05:32.80	-0.16
MORH	128.9	124	Pg	9:05:19.00	0.54
			Sg	05:34.05	-2.36
SRO	133.7	37	Pn	9:05:21.17	2.03
			Sn	05:35.91	-1.72
ARSA	137.9	289	Sn	9:05:36.69	-1.87

## Földrengés paraméterek

## Hypocenter Parameters

GROS 140.3 252 Pn 9:05:20.30 0.32  
 Sn 05:37.43 -1.68  
 MOSL 143.2 195 Pn 9:05:21.50 1.17  
 Sn 05:38.29 -1.45  
 CONA 158.4 319 Sn 9:05:41.20 -1.92  
 MODS 168.8 1 Sn 9:05:45.14 -0.28  
 PENC 185.9 56 Sn 9:05:48.23 -0.98  
 JAVC 225.0 8 Sn 9:05:57.99 0.09  
 PSZ 232.4 59 Sn 9:06:00.73 1.18

616.

2024-04-25 time: 9:07:53.94 UTC ML= 1.5  
 lat: 47.966N lon: 16.049E h= 0.0 km  
 erh= 3.7km erz= 5.8km  
 nr= 7 gap=133 rms=0.67  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.6	253	Pg	9:07:56.66	0.10
			Sg	07:58.23	-0.37
RONA	35.0	148	Sg	9:08:04.65	-0.41
KRUC	124.5	12	Pg	9:08:16.54	0.37
			Sg	08:31.88	-1.62
VRAC	154.5	15	Pn	9:08:21.24	1.00
			Sn	08:40.10	-0.65

617.

2024-04-25 time: 9:29:45.76 UTC ML= 1.8  
 lat: 48.890N lon: 20.503E h= 0.0 km  
 erh= 2.0km erz= 4.6km  
 nr= 14 gap= 88 rms=0.69  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.3	182	Pg	9:29:54.15	0.30
			Sg	30:00.05	-0.11
NIE	60.4	347	Pg	9:29:57.89	1.35
			Sg	30:04.87	-0.09
STHS	79.7	43	Pg	9:29:59.91	-0.08
			Sg	30:09.92	-1.16
LANS	81.1	291	Pg	9:30:00.22	-0.02
			Sg	30:11.08	-0.45
ABAH	85.6	141	Pg	9:30:00.82	-0.22
			Sg	30:12.40	-0.56
PSZ	117.1	203	Pg	9:30:06.41	-0.26
			Sg	30:21.93	-1.05
TRPA	172.6	119	Pn	9:30:16.36	2.05
			Sn	30:36.45	-0.13

618.

2024-04-25 time: 9:47:05.48 UTC ML= 1.4  
 lat: 48.596N lon: 20.727E h= 0.0 km  
 erh= 2.2km erz= 793km  
 nr= 11 gap=109 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.8	235	Pg	9:47:09.43	0.06
			Sg	47:13.38	0.98
ABAH	50.5	131	Pg	9:47:13.93	-0.56
			Sg	47:21.92	0.40
NIE	96.4	342	Pg	9:47:24.01	1.31
			Sg	47:35.60	-0.54
PSZ	97.4	219	Pg	9:47:22.72	-0.16
			Sg	47:36.04	-0.41
STHS	98.8	22	Pg	9:47:23.16	0.03
LANS	111.1	304	Pg	9:47:25.18	-0.14
			Sg	47:39.30	-1.50

619.

2024-04-25 time: 10:09:33.80 UTC ML= 1.3  
 lat: 48.670N lon: 21.478E h= 0.0 km  
 erh= 7.7km erz= \*\*\*km  
 nr= 7 gap=139 rms=1.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.2	203	Pg	10:09:43.04	1.18
			Sg	09:49.93	1.78
KECS	76.1	254	Sg	10:09:55.09	-2.90
STHS	84.8	348	Sg	10:10:02.45	1.70
TRPA	98.9	127	Pg	10:09:51.49	0.04
			Sg	10:02.92	-2.31
NIE	119.1	314	Sg	10:10:10.43	-1.23

620.

2024-04-25 time: 10:30:54.44 UTC ML= 0.6  
 lat: 47.259N lon: 18.233E h= 0.0 km  
 erh= 1.9km erz= 233km  
 nr= 5 gap=231 rms=0.11  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.8	10	Pg	10:30:56.68	0.13
			Sg	30:58.25	0.06
PKST	15.1	270	Sg	10:30:59.07	-0.16
PKSG	19.0	39	Pg	10:30:57.82	-0.01
			Sg	31:00.32	-0.15

621.

2024-04-25 time: 11:38:56.59 UTC ML= 0.9  
 lat: 48.028N lon: 16.135E h= 0.0 km  
 erh= 7.6km erz= \*\*\*km  
 nr= 5 gap=152 rms=0.88  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	23.2	242	Pg	11:39:01.72	0.98
			Sg	39:03.44	-0.54
RONA	38.5	162	Pg	11:39:03.86	0.40
			Sg	39:07.41	-1.40
KRUC	116.5	9	Sg	11:39:32.62	-1.02

622.

2024-04-25 time: 16:39:08.95 UTC ML= 2.0  
 lat: 48.234N lon: 21.270E h= 0.0 km  
 erh= 3.5km erz= 3.7km  
 nr= 15 gap= 98 rms=1.35  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.3	342	Pg	16:39:10.90	0.65
			Sg	39:12.15	0.89
KECS	64.4	296	Pg	16:39:21.78	1.33
			Sg	39:28.82	-0.60
TRPA	95.1	97	Pg	16:39:26.16	0.23
			Sg	39:37.77	-1.40
LTVH	105.5	153	Sg	16:39:42.07	-0.43
PSZ	108.3	251	Pg	16:39:28.98	0.69
			Sg	39:41.73	-1.65
STHS	131.6	359	Sn	16:39:48.33	-2.34
NIE	149.4	332	Sn	16:39:53.42	-1.20
PENC	156.3	252	Sn	16:39:54.36	-1.80
LANS	167.3	308	Sn	16:39:56.86	-1.74
DRGR	193.6	146	Pn	16:39:42.77	2.65

## Hypocenter Parameters

## Földrengés paraméterek

Sn 40:04.06 -0.38

625.

623.

2024-04-25 time: 17:44:56.10 UTC ML= 1.8  
 lat: 47.773N lon: 17.180E h= 5.8 km  
 erh= 1.7km erz= 2.0km  
 nr= 34 gap= 70 rms=0.90  
 Locality: Jánossomorja  
 Comments:

sta	dist	azm	phase	hr mn sec	res
EGYH	41.2	164	PgU	17:45:04.33	0.80
			Sg	45:09.90	0.58
ZST	47.4	353	Pg	17:45:05.27	0.64
			Sg	45:11.59	0.30
SOP	47.7	258	PgD	17:45:04.77	0.10
			Sg	45:11.13	-0.23
RONA	66.7	263	PgD	17:45:07.94	-0.13
			Sg	45:16.04	-1.36
MODS	67.2	6	Pg	17:45:08.81	0.66
			Sg	45:16.99	-0.55
MPLH	72.3	158	Pg	17:45:08.85	-0.20
			Sg	45:18.19	-0.96
SMOL	84.5	13	Pg	17:45:11.80	0.58
			Sg	45:22.13	-0.88
SRO	85.1	87	Pg	17:45:10.05	-1.28
WINA	90.6	294	Pg	17:45:12.52	0.20
			Sg	45:23.54	-1.43
CONA	100.1	280	Pg	17:45:14.29	0.28
			Sg	45:26.20	-1.78
JAVC	126.2	17	Sn	17:45:34.15	-1.16
ARSA	137.6	245	Pn	17:45:19.60	0.04
			Sn	45:36.28	-1.58
KRUC	154.6	338	Pn	17:45:21.85	0.17
			Sn	45:40.76	-0.87
ABNA	163.7	308	Pn	17:45:23.62	0.81
			Sn	45:42.51	-1.14
PKB1	164.2	132	Pn	17:45:23.22	0.34
VRAC	176.1	346	Pn	17:45:26.50	2.14
GROS	193.6	221	Pn	17:45:29.41	2.87
			Sn	45:53.89	3.61*
MORH	205.9	147	Pn	17:45:27.72	-0.35
PKSM	206.1	147	Pn	17:45:27.67	-0.43
MOA	218.4	272	Pn	17:45:31.20	1.57
			Sn	45:58.51	2.73

624.

2024-04-26 time: 8:32:41.09 UTC ML= 1.6  
 lat: 48.978N lon: 19.307E h= 0.0 km  
 erh= 2.1km erz= 5.2km  
 nr= 13 gap=104 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	22.5	32	PgU	8:32:45.10	-0.01
			Sg	32:48.70	0.46
ZBNS	51.6	290	Pg	8:32:51.02	0.72
			Sg	32:56.73	-0.75
NIE	88.2	56	Pg	8:32:57.70	0.86
			Sg	33:07.46	-1.67
KECS	102.7	122	Pg	8:32:59.50	0.07
			Sg	33:13.04	-0.70
JAVC	120.6	264	Pg	8:33:03.07	0.44
PSZ	125.6	160	Pg	8:33:03.93	0.41
			Sg	33:19.51	-1.51
MORC	155.9	305	Pn	8:33:07.22	-0.34
			Sn	33:26.00	-2.21

2024-04-26 time: 8:44:29.71 UTC ML= 1.3  
 lat: 48.742N lon: 20.816E h= 0.0 km  
 erh= 6.8km erz= \*\*\*km  
 nr= 7 gap=174 rms=1.13  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	37.7	220	Pg	8:44:37.56	1.12
			Sg	44:40.15	-1.54
ABAH	58.6	148	Pg	8:44:40.93	0.76
			Sg	44:47.19	-1.15
NIE	83.8	334	Sg	8:44:54.86	-1.49
PSZ	114.3	217	Pg	8:44:50.94	0.83
			Sg	45:04.65	-1.38

626.

2024-04-26 time: 9:24:09.87 UTC ML= 0.7  
 lat: 48.549N lon: 20.758E h= 0.0 km  
 erh= 6.6km erz= \*\*\*km  
 nr= 5 gap=147 rms=0.85  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.4	250	Pg	9:24:14.07	0.37
			Sg	24:17.99	1.30
ABAH	45.4	128	Sg	9:24:24.44	0.15
PSZ	95.1	222	Sg	9:24:38.88	-1.20
NIE	102.1	341	Sg	9:24:41.31	-1.01

627.

2024-04-26 time: 10:59:14.53 UTC ML= 1.4  
 lat: 47.328N lon: 17.623E h= 0.0 km  
 erh= 1.8km erz= 496km  
 nr= 8 gap=149 rms=0.36  
 Locality: Ugod  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	18.7	200	Pg	10:59:17.82	-0.05
			Sg	59:20.05	-0.42
EGYH	24.1	294	Pg	10:59:19.48	0.63
			Sg	59:21.61	-0.60
PKST	32.0	104	Pg	10:59:20.64	0.39
			Sg	59:24.41	-0.30
CSKK	48.3	85	Pg	10:59:23.00	-0.16
PKSG	58.4	83	Pg	10:59:24.86	-0.10

628.

2024-04-26 time: 18:55:36.17 UTC ML= 0.5  
 lat: 47.766N lon: 16.176E h= 14.4 km  
 erh= 2.2km erz= 1.9km  
 nr= 9 gap=101 rms=0.44  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	11.6	129	Pg	18:55:39.75	0.28
			Sg	55:41.86	-0.19
CONA	29.7	308	Pg	18:55:42.23	0.17
			Sg	55:45.78	-0.87
SOP	30.1	108	Pg	18:55:42.29	0.16
			Sg	55:46.05	-0.72
ARSA	75.5	221	Sg	18:56:00.80	0.21
KRUC	145.0	6	Pn	18:55:59.92	0.47
			Sn	56:16.70	-0.90

## Földrengés paraméterek

## Hypocenter Parameters

629.

2024-04-27 time: 9:21:31.43 UTC ML= 1.1  
 lat: 46.159N lon: 18.316E h= 0.0 km  
 erh= 1.7km erz= 347km  
 nr= 8 gap=191 rms=0.27  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.4	245	PgU	9:21:34.51	-0.21
			Sg	21:37.02	-0.27
PKSM	25.8	77	Pg	9:21:36.39	0.35
			Sg	21:39.13	-0.51
MORH	26.1	76	Pg	9:21:36.23	0.13
			Sg	21:39.44	-0.30
PKSV	30.4	189	Pg	9:21:36.94	0.08
			Sg	21:41.40	0.30

630.

2024-04-29 time: 7:32:12.51 UTC ML= 1.6  
 lat: 48.257N lon: 21.492E h= 0.0 km  
 erh= 8.4km erz= 788km  
 nr= 6 gap=215 rms=0.48  
 Locality: Sárzásadány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	19.2	283	Pg	7:32:16.50	0.56
			Sg	32:18.90	0.28
KECS	78.7	289	Pg	7:32:26.56	0.00
			Sg	32:37.29	-0.23
KOLS	94.7	37	Pg	7:32:29.17	-0.25
			Sg	7:32:50.54	-1.65

631.

2024-04-29 time: 7:43:21.62 UTC ML= 1.7  
 lat: 47.878N lon: 20.203E h= 0.0 km  
 erh= 3.3km erz= 4.4km  
 nr= 6 gap=189 rms=0.69  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	23.5	281	Pg	7:43:26.47	0.65
			Sg	43:28.92	-0.17
PENC	69.7	262	Sg	7:43:43.89	0.13
			Sg	7:43:43.71	-0.32
ABAH	90.1	59	Sg	7:43:50.16	-0.11
			Sn	7:44:04.22	-2.44

632.

2024-04-29 time: 7:48:59.94 UTC ML= 1.4  
 lat: 48.735N lon: 20.845E h= 0.0 km  
 erh= 5.0km erz= \*\*\*km  
 nr= 7 gap=128 rms=1.08  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	38.6	223	Pg	7:49:08.13	1.30
			Sg	49:11.98	-0.22
ABAH	56.9	149	Pg	7:49:11.06	0.96
			Sg	49:17.23	-0.79
STHS	81.2	21	Sg	7:49:25.11	-0.64
			Sg	7:49:25.65	-1.43
PSZ	115.0	218	Sg	7:49:34.99	-1.50

633.

2024-04-29 time: 8:58:23.16 UTC ML= 1.6  
 lat: 46.116N lon: 21.781E h= 0.0 km  
 erh= 5.7km erz= 7.9km  
 nr= 9 gap=211 rms=0.92  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	48.3	146	Pg	8:58:32.35	0.57
			Sg	58:37.91	-0.59
BZS	56.9	193	Pg	8:58:33.44	0.11
			Sg	58:39.62	-1.64
DRGR	103.7	44	Pg	8:58:41.78	0.10
			Sg	58:54.96	-1.17
GZR	111.6	136	Pg	8:58:44.56	1.47
			Sg	58:57.22	-1.42
CJR	154.7	65	Sn	8:59:10.48	0.46

634.

2024-04-29 time: 10:03:08.42 UTC ML= 1.4  
 lat: 48.573N lon: 20.850E h= 0.0 km  
 erh= 2.6km erz= 941km  
 nr= 9 gap= 92 rms=0.70  
 Locality: Hidvégardó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.7	250	Pg	10:03:12.98	-0.57
			Sg	03:17.30	-0.24
ABAH	42.2	137	Pg	10:03:16.22	0.25
			Sg	03:21.62	-0.23
PSZ	101.7	224	Pg	10:03:27.95	1.37
			Sg	03:39.69	-1.05
NIE	101.9	337	Sg	10:03:41.23	0.42
KOLS	112.1	69	Sg	10:03:43.39	-0.66
LANS	120.0	302	Sg	10:03:46.48	-0.08

635.

2024-04-29 time: 10:27:12.57 UTC ML= 1.9  
 lat: 48.628N lon: 19.031E h= 0.0 km  
 erh= 2.1km erz= 2.9km  
 nr= 25 gap= 56 rms=1.12  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZBNS	63.1	333	Pg	10:27:24.48	0.65
			Sg	27:32.19	-0.43
LANS	66.3	29	Pg	10:27:24.11	-0.31
			Sg	27:32.73	-0.93
PENC	95.0	169	Sg	10:27:42.90	0.15
			Pg	10:27:31.55	0.83
PSZ	101.6	141	Sg	27:44.07	-0.81
			Pg	10:27:32.28	1.26
JAVC	103.3	284	Sg	27:44.44	-0.98
			Sg	10:27:44.89	-1.10
SRO	105.1	211	Sg	10:27:44.89	-1.10
			Pg	10:27:32.37	0.42
KECS	108.6	99	Sg	27:45.35	-1.72
			Sg	10:27:52.34	-0.67
BUD	127.2	180	Sg	10:27:52.34	-0.67
NIE	128.6	47	Pg	10:27:36.27	0.74
			Sg	27:51.15	-2.28
MODS	132.7	258	Sn	10:27:52.61	-1.93
			Pn	10:27:39.00	1.25
PKSG	145.5	199	Sn	27:55.88	-1.51
			Pn	10:27:42.98	2.50
ABAH	167.4	103	Pn	28:02.40	0.15
			Sn	10:28:00.96	-1.34
MORC	167.6	320	Sn	10:28:00.96	-1.34
PKST	169.5	206	Sn	10:28:01.50	-1.20
STHS	184.1	62	Sn	10:28:05.85	-0.09
EGYH	184.9	223	Sn	10:28:06.40	0.27
VRAC	193.9	293	Sn	10:28:11.76	3.64

## Hypocenter Parameters

## Földrengés paraméterek

636.

2024-04-30 time: 6:25:56.59 UTC ML= 1.6  
 lat: 46.068N lon: 16.900E h= 6.7 km  
 erh= 3.5km erz= 3.9km  
 nr= 8 gap=187 rms=0.48  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
MOSL	51.7	193	Pg	6:26:06.59			0.69
			Sg				-0.46
ZAG	75.1	249	Pg	6:26:09.71			-0.33
PTJ	75.3	256	Pg	6:26:09.98			-0.11
KOVH	92.9	89	Pg	6:26:13.23			0.02
			Sg				-0.51
MORH	135.8	83	Pn	6:26:20.42			0.72
			Sn				-0.78

637.

2024-04-30 time: 8:32:34.24 UTC ML= 1.4  
 lat: 48.331N lon: 19.920E h= 0.0 km  
 erh= 3.7km erz= \*\*\*km  
 nr= 10 gap=158 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	45.2	68	Pg	8:32:42.93			0.62
			Sg				-0.05
PSZ	45.9	182	Pg	8:32:42.77			0.33
			Sg				0.12
LANS	97.0	340	Pg	8:32:52.43			0.87
			Sg				-2.16
ABAH	98.0	92	Pg	8:32:51.66			-0.08
			Sg				-1.78
NIE	124.4	13	Pg	8:32:57.14			0.69
			Sg				-2.14

638.

2024-04-30 time: 8:56:12.84 UTC ML= 1.9  
 lat: 48.428N lon: 17.170E h= 0.0 km  
 erh= 1.8km erz= 2.9km  
 nr= 24 gap= 81 rms=0.83  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	10.0	127	PgU	8:56:15.02			0.40
			Sg				-0.37
SMOL	21.3	63	Pg	8:56:16.56			-0.09
			Sg				-0.89
ZST	26.3	191	Pg	8:56:17.95			0.42
			Sg				0.01
JAVC	60.5	38	Pg	8:56:24.28			0.64
			Sg				-0.98
KRUC	90.6	321	Pg	8:56:29.38			0.35
			Sg				-1.43
SOP	94.6	209	Pg	8:56:29.90			0.18
RONA	104.0	219	Pg	8:56:31.15			-0.25
			Sg				-1.35
VRAC	106.6	337	Pg	8:56:32.81			0.93
			Sg				-1.51
CONA	112.1	240	Pg	8:56:32.39			-0.46
			Sg				-1.20
PKST	145.2	154	Pn	8:56:38.67			0.69
			Sn				-1.62
			Sg				0.30
PKSG	147.0	142	Pn	8:56:38.50			0.30
MORC	152.4	10	Pn	8:56:39.37			0.49
			Sn				-2.53
ARSA	179.9	223	Pn	8:56:44.44			2.14
			Sn				1.64

639.

2024-04-30 time: 8:57:18.30 UTC ML= 1.4  
 lat: 47.815N lon: 19.856E h= 0.0 km  
 erh= 4.8km erz= \*\*\*km  
 nr= 7 gap=108 rms=1.08  
 Locality: Gyöngyöstarján  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	11.8	14	Pg	8:57:21.73			1.33
			Sg				0.38
PENC	43.1	266	Pg	8:57:32.36			0.36
BSZH	65.2	152	Pg	8:57:39.38			0.37
KECS	87.8	32	Pg	8:57:44.65			-1.55
ABAH	116.2	63	Pg	8:57:53.88			-1.34
PKSG	119.8	247	Pg	8:57:55.19			-1.19

640.

2024-04-30 time: 9:08:39.40 UTC ML= 1.3  
 lat: 48.693N lon: 19.983E h= 0.0 km  
 erh= 2.8km erz= 858km  
 nr= 9 gap=139 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	43.8	122	Pg	9:08:47.39			0.18
			Sg				-0.06
LANS	63.4	323	Pg	9:08:51.02			0.30
			Sg				-1.37
NIE	84.3	17	Pg	9:08:55.11			0.66
			Sg				-0.59
PSZ	86.3	184	Pg	9:08:55.42			0.60
			Sg				-0.77
ABAH	102.8	115	Pg	9:09:11.01			-1.06

641.

2024-04-30 time: 9:12:55.97 UTC ML= 1.2  
 lat: 48.703N lon: 19.964E h= 0.0 km  
 erh= 3.5km erz= 6.8km  
 nr= 8 gap=105 rms=0.69  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	45.6	122	Pg	9:13:03.98			-0.14
			Sg				-0.68
LANS	61.6	324	Pg	9:13:06.99			0.02
			Sg				-0.34
NIE	83.6	18	Pg	9:13:12.09			1.19
			Sg				-1.16
PSZ	87.4	183	Pg	9:13:12.01			0.43
JAVC	169.4	276	Sn	9:13:45.00			-1.09

642.

2024-04-30 time: 9:41:58.96 UTC ML= 0.7  
 lat: 47.186N lon: 18.299E h= 0.0 km  
 erh= 1.7km erz= 3.1km  
 nr= 8 gap=131 rms=0.38  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.9	351	Pg	9:42:02.68			0.17
			Sg				-0.60
PKST	21.7	292	Pg	9:42:03.14			0.32
			Sg				-0.54
PKSG	23.9	17	Pg	9:42:03.53			0.31
			Sg				0.07

**Földrengés paraméterek**

**Hypocenter Parameters**

KOVH 123.0 187 Sg 9:42:37.95 -0.10  
 PSZ 145.1 56 Sn 9:42:42.82 -0.85

646.

643.

2024-04-30 time: 11:34:43.35 UTC ML= 1.4  
 lat: 46.127N lon: 18.021E h= 0.0 km  
 erh= 2.1km erz= 266km  
 nr= 6 gap=292 rms=0.15  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	7.4	126	Pg	11:34:44.80	0.12
			Sg	34:45.88	0.17
PKSV	32.0	146	Pg	11:34:48.89	-0.17
			Sg	34:53.44	-0.08
MORH	49.1	78	Pg	11:34:52.23	0.12
			Sg	34:58.69	-0.26

644.

2024-05-02 time: 3:25:56.52 UTC ML= 1.6  
 lat: 45.910N lon: 16.028E h= 10.0 km  
 erh= 1.6km erz= 2.1km  
 nr= 14 gap=104 rms=0.42  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.6	258	PgU	3:25:58.39	-0.18
			Sg	25:59.47	-0.69
R971	8.2	190	PgD	3:25:58.72	-0.11
ZAG	9.4	197	Pg	3:25:59.12	0.15
			Sg	26:01.15	0.27
CRES	45.4	258	Pg	3:26:05.18	0.36
			Sg	26:11.19	-0.10
RCF6	47.3	354	Pg	3:26:05.71	0.55
			Sg	26:12.04	0.14
KOGS	62.2	16	Pg	3:26:08.26	0.49
			Sg	26:16.12	-0.43
MOSL	65.4	120	Pg	3:26:08.05	-0.28
GROS	73.5	326	Sg	3:26:19.22	-0.88
PERS	107.0	319	S*	3:26:28.86	-1.64

645.

2024-05-02 time: 7:29:36.30 UTC ML= 1.5  
 lat: 46.060N lon: 22.874E h= 0.0 km  
 erh= 4.7km erz= 8.0km  
 nr= 11 gap=121 rms=1.04  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.7	173	Pg	7:29:39.93	0.11
			Sg	29:43.48	0.92
SURR	67.3	240	Pg	7:29:49.03	0.71
			Sg	29:55.67	-2.02
GZR	74.4	186	Sg	7:29:59.22	-0.73
DRGR	82.3	351	Pg	7:29:50.89	-0.11
			Sg	30:02.00	-0.47
BZS	109.4	243	Pg	7:29:57.37	1.54
			Sg	30:07.87	-3.19
VOIR	182.9	112	Pn	7:30:06.32	0.18
			Sn	30:28.25	-1.16

2024-05-02 time: 7:36:43.15 UTC ML= 1.7  
 lat: 46.039N lon: 22.868E h= 0.0 km  
 erh= 2.9km erz= 5.7km  
 nr= 12 gap=120 rms=0.70  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.5	171	Pg	7:36:46.13	-0.15
			Sg	36:48.98	0.27
SURR	65.8	241	Pg	7:36:55.47	0.57
			Sg	37:03.26	-0.81
GZR	72.1	186	Pg	7:36:55.78	-0.25
			Sg	37:05.42	-0.65
DRGR	84.5	352	Pg	7:36:59.17	0.93
			Sg	37:08.59	-1.43
BZS	108.0	244	Pg	7:37:03.19	0.76
			Sg	37:16.15	-1.32
VOIR	182.5	112	Pn	7:37:13.14	0.20
			Sn	37:35.53	-0.64

647.

2024-05-02 time: 8:12:18.57 UTC ML= 1.5  
 lat: 48.518N lon: 19.435E h= 0.0 km  
 erh= 2.9km erz= 4.9km  
 nr= 12 gap=132 rms=0.80  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	70.4	2	Pg	8:12:31.20	0.07
			Sg	12:39.89	-1.04
PSZ	74.9	153	Pg	8:12:32.71	0.77
			Sg	12:42.44	0.06
KECS	77.7	93	Sg	8:12:42.75	-0.52
PENC	81.7	188	Sg	8:12:43.21	-1.33
ZBNS	89.9	320	Pg	8:12:35.49	0.88
			Sg	12:45.91	-1.22
NIE	119.0	33	Pg	8:12:40.74	0.92
			Sg	12:55.10	-1.29
ABAH	135.8	100	Pn	8:12:42.74	0.20
			Sn	13:00.66	-0.57

648.

2024-05-02 time: 8:41:39.37 UTC ML= 1.3  
 lat: 47.977N lon: 20.254E h= 0.0 km  
 erh= 3.1km erz= 535km  
 nr= 6 gap=192 rms=0.32  
 Locality: Bátor  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	27.7	256	Pg	8:41:44.46	0.15
			Sg	41:47.71	-0.45
KECS	58.9	17	Pg	8:41:50.21	0.33
			Sg	41:57.96	-0.11
ABAH	81.5	64	Pg	8:41:53.97	0.06
			Sg	42:04.53	-0.73

649.

2024-05-02 time: 8:55:45.47 UTC ML= 1.5  
 lat: 46.018N lon: 22.799E h= 0.0 km  
 erh= 3.7km erz= \*\*\*km  
 nr= 9 gap=156 rms=0.89  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.0	152	Pg	8:55:48.16	-0.35

## Hypocenter Parameters

			Sg	55:50.94	0.07
SURR	60.0	241	Pg	8:55:57.11	0.93
			Sg	56:04.37	-0.17
GZR	69.4	181	Sg	8:56:06.27	-1.27
DRGR	86.3	356	Pg	8:56:02.05	1.17
			Sg	56:11.16	-1.75
BZS	102.1	244	Pg	8:56:03.95	0.24
			Sg	56:16.77	-1.16

650.

2024-05-02 time: 10:19:44.31 UTC ML= 1.2  
 lat: 47.095N lon: 17.766E h= 0.0 km  
 erh= 2.7km erz= 975km  
 nr= 8 gap=129 rms=0.69  
 Locality: Szentgál  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	19.1	296	Pg	10:19:47.90	0.17
			Sg	19:49.87	-0.52
PKST	27.3	48	Sg	10:19:53.79	0.79
CSKK	47.9	51	Sg	10:19:58.36	-1.17
KOVH	114.8	167	Pg	10:20:05.58	0.78
			Sg	20:19.59	-1.20
MORH	118.6	145	Sg	10:20:21.98	-0.02
PKSM	118.8	146	Sg	10:20:22.13	0.05

651.

2024-05-02 time: 10:20:25.74 UTC ML= 1.6  
 lat: 47.317N lon: 18.471E h= 0.0 km  
 erh= 2.4km erz= 5.0km  
 nr= 9 gap=116 rms=0.69  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.3	324	PgÜ	10:20:27.93	0.35
			Sg	20:28.67	-0.34
CSKK	16.7	288	Pg	10:20:29.40	0.68
			Sg	20:30.10	-0.94
PKST	33.6	259	Sg	10:20:35.47	-0.96
MORH	123.1	174	Sg	10:21:04.98	0.10
PKSM	123.6	174	Sg	10:21:05.11	0.09
PSZ	126.2	58	Sg	10:21:04.75	-1.11
KOVH	139.5	192	Sn	10:21:10.36	1.14

652.

2024-05-02 time: 13:03:23.79 UTC ML= 1.4  
 lat: 47.543N lon: 18.576E h= 0.0 km  
 erh= 2.8km erz= 2.7km  
 nr= 8 gap=211 rms=0.42  
 Locality: Nagygyháza  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.8	220	Pg	13:03:28.21	0.52
			Sg	03:30.68	-0.05
CSKK	31.1	230	Pg	13:03:29.52	0.18
			Sg	03:33.92	0.26
SRO	35.9	327	Sg	13:03:35.00	-0.21
PKST	51.6	232	Sg	13:03:39.40	-0.81
MORH	147.6	178	Sn	13:04:08.42	-0.66
PKSM	148.1	178	Sn	13:04:08.89	-0.28

## Földrengés paraméterek

653.

2024-05-02 time: 15:58:01.58 UTC ML= 1.3  
 lat: 45.798N lon: 17.930E h= 10.2 km  
 erh= 2.4km erz= 2.1km  
 nr= 15 gap=139 rms=0.51  
 Locality: Piskó  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	27.0	68	Pg	15:58:07.29	0.56
			Sg	58:10.84	0.10
KOVH	34.9	22	PgD	15:58:08.40	0.34
			Sg	58:13.15	0.03
PKSM	71.8	50	PgD	15:58:14.54	0.02
			Sg	58:23.85	-0.77
MORH	72.2	50	PgD	15:58:14.54	-0.06
			Sg	58:24.04	-0.72
PKS9	91.7	17	Pg	15:58:18.21	0.15
MOSL	93.8	257	Pg	15:58:18.07	-0.36
			Sg	58:29.35	-2.22
BEHE	116.4	310	Sn	15:58:36.77	-0.83
BLY	130.5	207	Sn	15:58:40.63	-0.10
KOGS	148.6	299	Sn	15:58:46.07	1.32
PTJ	153.6	274	Sn	15:58:46.54	0.68

654.

2024-05-03 time: 8:41:41.96 UTC ML= 0.9  
 lat: 47.210N lon: 18.282E h= 0.0 km  
 erh= 1.8km erz= 556km  
 nr= 10 gap=144 rms=0.43  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.1	354	Pg	8:41:45.25	0.25
			Sg	41:46.76	-0.62
PKST	19.5	286	Pg	8:41:45.52	0.07
			Sg	41:47.95	-0.22
PKSG	21.8	22	Pg	8:41:46.22	0.38
			Sg	41:48.33	-0.54
MORH	114.0	166	Pg	8:42:02.43	0.12
			Sg	42:17.09	-1.10
PKSM	114.4	166	Pg	8:42:02.88	0.50
			Sg	42:17.71	-0.60

655.

2024-05-03 time: 9:58:28.56 UTC ML= 1.8  
 lat: 48.810N lon: 21.618E h= 0.0 km  
 erh= 3.4km erz= 5.8km  
 nr= 13 gap= 96 rms=1.04  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	50.0	74	Pg	9:58:38.15	0.67
			Sg	58:42.19	-2.25
ABAH	63.6	206	Pg	9:58:40.11	0.19
			Sg	58:47.34	-1.44
STHS	72.8	338	Pg	9:58:42.19	0.64
			Sg	58:48.96	-2.73
KECS	91.0	246	Pg	9:58:45.56	0.75
			Sg	58:55.83	-1.66
TRPA	101.7	138	Pg	9:58:47.21	0.48
NIE	116.9	305	Pg	9:58:49.50	0.07
PSZ	161.7	232	Pn	9:58:55.85	0.10
			Sn	59:16.98	0.02
OJC	204.8	320	Sn	9:59:29.28	2.75



## Földrengés paraméterek

## Hypocenter Parameters

656.

2024-05-05 time: 0:00:32.32 UTC ML= 0.2  
 lat: 47.364N lon: 18.415E h= 8.6 km  
 erh= 8.1km erz= 4.2km  
 nr= 5 gap=279 rms=0.13  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	3.6	329	PgU	0:00:34.12	0.15
			Sg	00:35.04	-0.23
CSKK	11.7	269	Pg	0:00:34.86	-0.05
			Sg	00:37.05	0.13
PKST	31.1	248	Sg	0:00:42.45	-0.12

657.

2024-05-05 time: 20:25:32.97 UTC ML= 2.0  
 lat: 45.944N lon: 16.212E h= 10.9 km  
 erh= 1.5km erz= 1.3km  
 nr= 43 gap= 83 rms=0.80  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	19.6	233	PgU	20:25:37.03	0.07
			Sg	25:40.19	0.11
PTJ	20.3	256	Pg	20:25:37.03	-0.05
			Sg	25:40.74	0.46
ZAG	21.2	233	Pg	20:25:37.62	0.40
			Sg	25:41.55	1.02
GOLS	46.1	279	iPg	20:25:42.02	0.59
GCIS	46.1	259	iPgC	20:25:41.53	0.10
			iSg	25:47.87	-0.16
RCF6	47.5	336	Pg	20:25:41.86	0.19
			Sg	25:49.15	0.69
MOSL	55.9	131	Pg	20:25:41.86	-1.28
			Sg	25:48.93	-2.14
KOGS	56.2	3	Pg	20:25:43.02	-0.16
			Sg	25:50.96	-0.19
CESS	58.1	273	eSg	20:25:51.49	-0.28
CRES	60.1	257	Pg	20:25:43.65	-0.22
			Sg	25:52.59	0.22
BEHE	72.9	37	Pg	20:25:47.00	0.87
			Sg	25:55.48	-0.92
GROS	79.4	316	Pg	20:25:46.82	-0.47
			Sg	25:58.01	-0.44
PDKS	94.9	278	iPg	20:25:50.05	0.02
PERS	114.2	312	eSg	26:01.80	-1.54
			Pn	20:25:52.65	-0.20
SOKA	122.1	312	Sn	26:06.63	-1.74
			Pn	20:25:53.94	0.10
OBKA	142.9	296	Sn	26:09.06	-1.06
			Pn	20:25:57.09	0.66
KOVH	147.1	84	Sn	26:14.48	-0.25
			Pn	20:25:55.69	-1.26
BLY	153.1	150	Sn	26:15.31	-0.35
			Pn	20:26:17.37	0.38
ARSA	154.6	340	Pn	20:25:58.16	0.27
			Sn	26:17.23	-0.09
PKSV	158.4	92	Sn	20:26:18.06	-0.12
MPLH	170.2	37	Sn	20:26:19.94	-0.84
PKSM	190.3	81	Pn	20:26:04.99	2.65
			Sn	26:27.86	2.61
MORH	190.6	81	Pn	20:26:04.90	2.52
			Sn	26:28.36	3.05
RONA	195.3	2	Pn	20:26:03.96	0.99
			Sn	26:31.83	5.46*

658.

2024-05-06 time: 2:15:20.18 UTC ML= 1.1  
 lat: 47.726N lon: 19.166E h= 13.3 km  
 erh= 1.2km erz= 0.8km  
 nr= 15 gap=132 rms=0.29  
 Locality: Szódliget  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	11.3	50	PgD	2:15:23.55	0.26
			Sg	15:25.74	0.03
SF5A	27.4	142	Pg	2:15:25.82	0.21
BUD	29.0	202	Pg	2:15:25.49	-0.38
			Sg	15:30.47	0.16
PSZ	58.6	69	Pg	2:15:30.74	-0.16
			Sg	15:37.80	-1.47*
SRO	64.7	279	Sg	2:15:40.61	-0.55
PKSG	69.2	238	Pg	2:15:33.06	0.31
			Sg	15:42.44	-0.12
CSKK	79.2	239	Sg	2:15:45.29	-0.41
PKST	99.8	239	P*	2:15:38.10	0.23
			S*	15:51.92	0.25
PKB1	108.4	195	Pn	2:15:39.12	0.09
			Sn	15:53.33	-0.41

659.

2024-05-06 time: 9:39:14.58 UTC ML= 1.3  
 lat: 48.551N lon: 20.754E h= 0.0 km  
 erh= 1.4km erz= 384km  
 nr= 8 gap= 94 rms=0.28  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.2	249	Pg	9:39:18.14	-0.23
			Sg	39:21.22	-0.11
ABAH	45.7	128	Pg	9:39:22.85	0.10
			Sg	39:29.33	0.21
PSZ	95.0	222	Pg	9:39:31.72	0.17
			Sg	39:44.54	-0.24
NIE	101.8	342	Pg	9:39:32.88	0.12
KOLS	119.5	69	Sg	9:39:49.48	-3.10*

660.

2024-05-06 time: 15:11:14.28 UTC ML= 2.1  
 lat: 48.915N lon: 22.157E h= 0.0 km  
 erh= 2.4km erz= 3.2km  
 nr= 16 gap=126 rms=0.79  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	8.7	77	PgU	15:11:15.60	-0.24
			Sg	11:16.44	-0.62
STHS	86.9	310	PgD	15:11:30.77	0.97
TRPA	91.7	162	Sg	11:40.22	-1.68
			Pg	15:11:31.22	0.56
ABAH	96.5	225	Sg	11:43.00	-0.43
			Pg	15:11:31.68	0.16
KECS	132.1	249	Sg	11:44.66	-0.31
			Pn	15:11:37.70	-0.09
NIE	145.7	293	Sn	11:54.58	-1.54
			Pn	15:11:40.06	0.58
LANS	198.4	278	Sn	11:57.97	-1.17
			Pn	15:11:46.24	0.19
PSZ	200.9	237	Pn	15:11:50.25	3.89
OJC	224.0	310	Sn	15:12:16.73	0.22
ZBNS	258.2	275	Pn	15:11:55.19	1.68

## Hypocenter Parameters

## Földrengés paraméterek

661.

2024-05-06 time: 17:08:37.33 UTC ML= 1.2  
 lat: 46.547N lon: 17.708E h= 6.5 km  
 erh= 5.0km erz=33.1km  
 nr= 9 gap=199 rms=0.59  
 Locality: Edde  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIH	41.7	20	Pg	17:08:45.06	0.19
			Sg	08:50.90	0.14
MPLH	70.5	349	Sg	17:08:59.06	-0.77
MORH	80.8	117	Pg	17:08:52.40	0.58
			Sg	09:02.63	-0.48
PKSM	80.9	117	Pg	17:08:52.60	0.78
			Sg	09:02.17	-0.95
PKST	83.0	17	Sg	17:09:03.13	-0.66
PKSV	84.3	150	Sg	17:09:03.80	-0.42

662.

2024-05-06 time: 19:13:05.86 UTC ML= 1.1  
 lat: 45.509N lon: 21.314E h= 10.0 km  
 erh= 5.7km erz= 6.2km  
 nr= 9 gap=158 rms=0.94  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	19.8	225	Pg	19:13:09.58	-0.24
			Sg	13:13.36	0.45
TIM	26.4	344	Pg	19:13:11.01	0.12
BZS	26.5	63	Pg	19:13:11.32	0.40
			Sg	13:15.48	0.61
SURR	68.9	67	Pg	19:13:18.24	-0.04
			Sg	13:26.73	-1.25
AMBH	104.1	334	S*	19:13:36.72	-2.32
DRGR	178.9	37	Sn	19:13:58.95	3.15

663.

2024-05-06 time: 23:28:46.82 UTC ML= 1.5  
 lat: 46.191N lon: 16.087E h= 12.1 km  
 erh= 1.2km erz= 1.7km  
 nr= 24 gap=117 rms=0.50  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RCF6	18.6	328	Pg	23:28:51.10	0.32
			Sg	28:54.15	0.27
KOGS	31.2	24	Pg	23:28:53.00	0.20
			Sg	28:57.16	-0.30
PTJ	33.9	197	Pg	23:28:52.82	-0.42
			Sg	28:57.62	-0.63
R971	39.7	189	Pg	23:28:54.00	-0.23
ZAG	40.9	190	Sg	23:29:00.45	0.08
GOLS	41.0	241	iPg	23:28:55.21	0.76
			iSg	29:00.24	-0.16
DOBS	47.9	264	ePg	23:28:56.13	0.48
			iSg	29:02.58	0.05
GCIS	50.6	225	eSg	23:29:03.11	-0.25
GROS	54.1	304	Pg	23:28:56.93	0.21
			Sg	29:03.49	-0.96
CRES	63.5	230	Pg	23:28:58.86	0.51
			Sg	29:06.74	-0.62
LEGS	65.3	246	iPg	23:28:59.45	0.77
			eSg	29:07.28	-0.66
MOSL	82.5	141	Sg	23:29:11.83	-1.48
PERS	89.5	304	Pg	23:29:02.41	-0.54
			Sg	29:13.26	-2.27*
BOJS	100.2	220	iP*	23:29:04.82	0.15
ARSA	125.4	340	Sn	23:29:24.30	-0.11

664.

2024-05-07 time: 6:07:58.56 UTC ML= 1.4  
 lat: 47.880N lon: 16.165E h= 0.0 km  
 erh= 4.6km erz= 5.8km  
 nr= 9 gap=158 rms=0.83  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	23.3	283	Pg	6:08:03.24	0.51
			Sg	08:05.26	-0.72
ARSA	85.0	215	Pg	6:08:14.40	0.65
			Sg	08:24.28	-1.32
MODS	99.3	56	Sg	6:08:29.51	-0.63
KRUC	132.5	7	Pn	6:08:22.41	0.29
			Sn	08:38.69	-1.81
VRAC	162.0	11	Pn	6:08:26.81	1.02
			Sn	08:46.34	-0.69

665.

2024-05-07 time: 7:29:10.78 UTC ML= 1.5  
 lat: 48.572N lon: 21.363E h= 0.0 km  
 erh= 3.5km erz= 9.5km  
 nr= 12 gap= 77 rms=1.05  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	32.1	197	Pg	7:29:17.13	0.62
			Sg	29:22.16	1.18
KECS	65.5	261	Pg	7:29:21.81	-0.68
			Sg	29:29.73	-1.89
KOLS	78.0	59	Pg	7:29:25.76	1.04
			Sg	29:33.60	-1.99
STHS	94.3	355	Pg	7:29:28.55	0.93
			Sg	29:39.64	-1.11
TRPA	100.1	119	Pg	7:29:29.19	0.53
			Sg	29:39.99	-2.61
NIE	121.5	321	Pg	7:29:32.88	0.40
PSZ	131.1	236	Pn	7:29:33.88	-0.28

666.

2024-05-07 time: 8:47:16.92 UTC ML= 1.4  
 lat: 47.325N lon: 18.456E h= 0.0 km  
 erh= 2.7km erz= 884km  
 nr= 9 gap=115 rms=0.66  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.0	326	PgU	8:47:18.85	0.34
			Sg	47:19.34	-0.42
CSKK	15.4	286	PgU	8:47:20.22	0.55
			Sg	47:21.05	-0.77
PKST	32.8	257	Pg	8:47:23.56	0.79
			Sg	47:26.03	-1.30
MORH	124.1	173	Sg	8:47:56.37	0.00
PKSM	124.5	173	Sg	8:47:56.10	-0.40
PSZ	126.6	59	Sg	8:47:56.29	-0.88

667.

2024-05-07 time: 9:00:25.46 UTC ML= 1.2  
 lat: 48.979N lon: 20.260E h= 0.0 km  
 erh= 4.0km erz= 7.9km  
 nr= 8 gap=159 rms=1.19  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
NIE	49.0	5	Pg	9:00:35.37	1.15

## Földrengés paraméterek

KECS 57.6 163 Sg 00:40.69 -0.35  
 Pg 9:00:36.52 0.77  
 Sg 00:42.85 -0.92  
 LANS 60.9 288 Sg 9:00:44.71 -0.12  
 ZBNS 119.5 278 Sg 9:01:04.39 0.95  
 PSZ 121.0 193 Sg 9:01:01.55 -2.38  
 OJC 141.9 346 Sn 9:01:07.24 -2.24

668.

2024-05-07 time: 9:22:47.25 UTC ML= 1.2  
 lat: 48.653N lon: 20.764E h= 0.0 km  
 erh= 5.8km erz= \*\*\*km  
 nr= 7 gap=198 rms=0.82  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.9	227	Pg	9:22:53.01	0.78
			Sg	22:56.25	0.12
ABAH	53.1	139	Pg	9:22:57.15	0.43
			Sg	23:02.82	-1.30
PSZ	104.1	218	Pg	9:23:06.34	0.50
			Sg	23:19.12	-1.23
LANS	109.9	300	Sg	9:23:20.88	-1.31

669.

2024-05-07 time: 9:31:02.70 UTC ML= 0.9  
 lat: 47.208N lon: 18.265E h= 0.0 km  
 erh= 1.2km erz= 2.9km  
 nr= 11 gap=108 rms=0.37  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.3	359	Pg	9:31:05.82	0.03
			Sg	31:07.69	-0.50
PKST	18.4	288	Pg	9:31:06.51	0.52
			Sg	31:08.29	-0.27
PKSG	22.5	25	Pg	9:31:06.99	0.26
			Sg	31:09.69	-0.18
MPLH	55.2	266	Sg	9:31:19.84	-0.41
MORH	114.0	165	Sg	9:31:38.60	-0.35
PKSM	114.4	165	Pg	9:31:23.51	0.38
			Sg	31:38.33	-0.74
PSZ	145.8	57	Sn	9:31:47.55	-0.04

670.

2024-05-07 time: 9:31:39.04 UTC ML= 0.9  
 lat: 47.203N lon: 18.247E h= 0.0 km  
 erh= 2.1km erz= 813km  
 nr= 12 gap=137 rms=0.67  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	17.3	291	Pg	9:31:42.71	0.58
			Sg	31:44.42	-0.11
CSKK	17.8	3	Pg	9:31:42.34	0.12
			Sg	31:44.19	-0.51
PKSG	23.6	27	Pg	9:31:43.56	0.30
			Sg	31:45.54	-1.00
MPLH	53.8	266	Sg	9:31:55.58	-0.55
MORH	113.9	165	Pg	9:32:00.08	0.70
			Sg	32:14.31	-0.94
PKSM	114.3	165	Pg	9:32:00.22	0.77
			Sg	32:14.49	-0.88
KOVH	124.5	185	Sg	9:32:17.24	-1.37

## Hypocenter Parameters

671.

2024-05-07 time: 13:44:19.03 UTC ML= 1.5  
 lat: 47.876N lon: 16.072E h= 0.0 km  
 erh= 2.5km erz= 2.7km  
 nr= 9 gap=126 rms=1.13  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.7	290	Pg	13:44:22.98	0.96
			Sg	44:25.17	0.82
RONA	25.9	139	Pg	13:44:24.99	1.34
			Sg	44:27.83	0.57
ARSA	80.9	211	Sg	13:44:43.92	-0.83
KRUC	134.0	10	Sn	13:44:59.01	-2.28
GROS	163.2	195	Pn	13:44:46.12	-0.29
			Sn	45:06.42	-1.35
VRAC	163.8	14	Sn	13:45:06.61	-1.31

672.

2024-05-07 time: 14:31:09.33 UTC ML= 1.1  
 lat: 45.920N lon: 16.250E h= 10.0 km  
 erh= 0.9km erz= 3.3km  
 nr= 9 gap=157 rms=0.18  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	22.8	264	Pg	14:31:13.69	-0.09
			Sg	31:17.50	0.26
RCF6	51.1	334	Pg	14:31:18.78	0.15
			Sg	31:25.77	-0.12
MOSL	51.9	131	Pg	14:31:18.82	0.05
			Sg	31:25.91	-0.23
CRES	62.5	260	Pg	14:31:20.79	0.16
			Sg	31:29.29	-0.16
GROS	83.4	316	Sg	14:31:35.51	-0.52

673.

2024-05-07 time: 14:31:53.37 UTC ML= 1.4  
 lat: 45.946N lon: 16.262E h= 10.0 km  
 erh= 1.6km erz= 1.6km  
 nr= 11 gap=124 rms=0.34  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	24.2	258	Pg	14:31:57.93	-0.11
			Sg	32:01.87	0.19
RCF6	49.0	331	Sg	14:32:09.11	-0.15
MOSL	53.2	134	Pg	14:32:03.12	0.08
			Sg	32:10.08	-0.50
CRES	63.9	258	Pg	14:32:05.21	0.29
			Sg	32:13.67	-0.27
GROS	82.0	314	Sg	14:32:19.47	-0.15
PERS	116.9	311	Pn	14:32:14.07	0.37
			Sn	32:28.80	-0.77
KOVH	143.2	84	Sn	14:32:36.64	1.25

674.

2024-05-07 time: 14:32:45.61 UTC ML= 1.2  
 lat: 45.922N lon: 16.251E h= 10.0 km  
 erh= 1.9km erz= 2.0km  
 nr= 11 gap=129 rms=0.45  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	22.9	264	PgU	14:32:50.12	0.05
			Sg	32:53.45	-0.10

## Hypocenter Parameters

RCF6	51.0	334	Pg	14:32:55.27	0.38
			Sg	33:01.83	-0.30
MOSL	52.0	131	Pg	14:32:55.13	0.05
			Sg	33:02.04	-0.42
CRES	62.6	260	Pg	14:32:57.37	0.44
			Sg	33:05.81	0.05
GROS	83.3	316	Sg	14:33:10.93	-1.35
PERS	118.1	312	Sn	14:33:21.04	-1.03
KOVH	144.4	83	Sn	14:33:28.36	0.45

675.

2024-05-07 time: 14:33:43.14 UTC ML= 0.8  
 lat: 45.923N lon: 16.264E h= 13.6 km  
 erh= 0.8km erz= 2.7km  
 nr= 7 gap=133 rms=0.14  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	23.9	264	Pg	14:33:47.98	-0.07
			Sg	33:51.91	0.04
MOSL	51.4	132	Pg	14:33:52.74	0.11
			Sg	33:59.82	-0.21
KOGS	58.4	359	Sg	14:34:02.43	0.23
CRES	63.6	260	Sg	14:34:03.85	0.04
GROS	83.9	315	Sg	14:34:09.95	-0.21

676.

2024-05-07 time: 21:34:23.08 UTC ML= 2.0  
 lat: 45.962N lon: 16.179E h= 10.0 km  
 erh= 1.3km erz= 1.1km  
 nr= 45 gap= 74 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	18.5	248	PgU	21:34:26.73	-0.10
			Sg	34:30.08	0.32
R971	19.1	223	PgU	21:34:26.79	-0.13
ZAG	20.6	224	Pg	21:34:27.34	0.16
			Sg	34:31.36	0.99
GOLS	43.3	277	iPg	21:34:31.45	0.43
			eSg	34:37.64	0.43
GCIS	44.1	256	iPg	21:34:31.21	0.06
			eSg	34:37.21	-0.24
RCF6	44.6	338	Pg	21:34:31.51	0.27
			Sg	34:37.78	0.18
KOGS	54.3	6	Pg	21:34:33.00	0.06
			Sg	34:40.15	-0.47
CRES	58.1	255	Pg	21:34:33.46	-0.14
			Sg	34:41.95	0.14
DOBS	58.7	291	iPg	21:34:33.87	0.15
			eSg	34:42.61	0.59
MOSL	59.2	131	Pg	21:34:31.84	-1.96
LEGS	66.8	269	iPg	21:34:35.48	0.34
			eSg	34:44.84	0.29
BEHE	72.8	39	Pg	21:34:37.07	0.86
			Sg	34:45.31	-1.14
GROS	76.2	317	Pg	21:34:36.56	-0.24
			Sg	34:46.82	-0.68
BOJS	88.3	235	iPg	21:34:38.31	-0.64
PKDS	92.1	277	iPg	21:34:39.72	0.09
			eSg	34:51.47	-1.07
VISS	105.5	260	iP*	21:34:41.61	-0.33
			eS*	34:55.35	-1.30
PERS	110.9	312	Pn	21:34:42.26	-0.41
			Sn	34:56.44	-1.50
SOKA	118.8	312	Pn	21:34:43.29	-0.36
			Sn	34:58.48	-1.22
OBKA	139.7	296	Pn	21:34:47.04	0.79
			Sn	35:04.98	0.66
KOVH	149.4	85	Pn	21:34:48.90	1.44
			Sn	35:04.87	-1.61

## Földrengés paraméterek

ARSA	151.7	341	Sn	21:35:08.07	1.07
BLY	156.2	150	Pn	21:34:48.74	0.43
			Sn	35:07.61	-0.38
PKSV	161.0	93	Sn	21:35:08.17	-0.89
PKSM	192.5	82	Pn	21:34:55.10	2.27
			Sn	35:16.87	0.83
MORH	192.7	82	Pn	21:34:53.37	0.50
			Sn	35:17.48	1.38

677.

2024-05-08 time: 3:25:44.48 UTC ML= 0.8  
 lat: 45.781N lon: 18.753E h= 13.9 km  
 erh= 1.0km erz= 0.9km  
 nr= 10 gap=262 rms=0.11  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	40.7	287	Pg	3:25:52.13	-0.03
			Sg	25:58.58	0.43
PKSM	48.7	350	Pg	3:25:53.45	-0.07
			Sg	26:00.54	-0.03
MORH	49.1	350	Pg	3:25:53.56	-0.03
			Sg	26:00.84	0.15
KOVH	61.1	304	Pg	3:25:55.75	0.08
			Sg	26:04.18	-0.22
PKB3	79.2	26	Sg	3:26:10.15	0.11
PKS2	86.7	24	S*	3:26:12.25	-0.06

678.

2024-05-08 time: 7:14:43.82 UTC ML= 1.6  
 lat: 46.826N lon: 17.307E h= 0.0 km  
 erh= 4.0km erz= \*\*\*km  
 nr= 11 gap=142 rms=1.07  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	42.2	25	Pg	7:14:51.47	0.11
			Sg	14:56.96	-0.28
PKST	73.3	49	Pg	7:14:57.51	0.59
			Sg	15:05.37	-1.76
KOGS	91.2	243	Sg	7:15:11.23	-1.57
KOVH	102.1	143	Pg	7:15:03.55	1.50
			Sg	15:16.53	0.26
PKSG	103.6	53	Pg	7:15:03.36	1.04
			Sg	15:15.98	-0.76
MORH	123.0	123	Sg	7:15:21.84	-1.06
PKSM	123.0	124	Sg	7:15:21.11	-1.81

679.

2024-05-08 time: 7:43:56.38 UTC ML= 1.3  
 lat: 45.883N lon: 16.038E h= 13.5 km  
 erh= 1.9km erz= 1.3km  
 nr= 13 gap=104 rms=0.47  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	5.4	203	PgU	7:43:58.88	-0.09
PTJ	6.5	287	PgD	7:43:58.81	-0.24
			Sg	44:00.47	-0.66
ZAG	6.9	210	Pg	7:43:59.29	0.21
			Sg	44:01.55	0.36
CRES	45.6	262	Pg	7:44:05.62	0.75
			Sg	44:11.69	0.20
RCF6	50.4	353	Sg	7:44:12.77	-0.20
MOSL	63.3	118	Pg	7:44:07.49	-0.44
KOGS	64.9	15	Sg	7:44:18.79	1.33
GROS	76.4	327	Sg	7:44:20.23	-0.82
PERS	109.8	320	Sn	7:44:30.39	0.19
SOKA	117.5	319	Sn	7:44:31.79	-0.13

## Földrengés paraméterek

## Hypocenter Parameters

680.

2024-05-08 time: 7:55:40.37 UTC ML= 1.6  
 lat: 47.832N lon: 19.912E h= 0.0 km  
 erh= 3.0km erz= 3.9km  
 nr= 13 gap= 91 rms=1.17  
 Locality: Gyöngyösoroszi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	9.7	352	Pg	7:55:43.60			1.49
			Sg	55:44.95			1.48
PENC	47.5	264	Pg	7:55:50.07			1.23
			Sg	55:55.10			-0.35
BSZH	64.9	156	Pg	7:55:52.63			0.68
KECS	84.1	30	Sg	7:56:05.07			-2.03
ABAH	111.6	62	Pg	7:56:00.77			0.47
			Sg	56:15.50			-0.34
PKSG	124.4	247	Pg	7:56:02.33			-0.26
			Sg	56:18.15			-1.77
LANS	150.3	347	Sn	7:56:24.55			-1.70
LTVH	157.5	108	Sn	7:56:26.57			-1.28
NIE	179.0	10	Sn	7:56:31.05			-1.56

681.

2024-05-08 time: 9:04:34.36 UTC ML= 0.8  
 lat: 47.194N lon: 18.298E h= 0.0 km  
 erh= 2.5km erz= 765km  
 nr= 9 gap=149 rms=0.57  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.0	351	Pg	9:04:38.02			0.27
			Sg	04:39.67			-0.72
PKST	21.2	290	Pg	9:04:38.43			0.28
			Sg	04:40.12			-0.98
PKSG	23.1	18	Pg	9:04:39.03			0.55
			Sg	04:41.04			-0.65
MPLH	57.5	267	Pg	9:04:45.15			0.52
MORH	112.0	166	Sg	9:05:08.89			-1.06
PKSM	112.3	166	Sg	9:05:09.90			-0.17

682.

2024-05-08 time: 9:28:16.05 UTC ML= 1.7  
 lat: 46.812N lon: 17.328E h= 0.0 km  
 erh= 2.5km erz= 6.6km  
 nr= 14 gap=138 rms=0.84  
 Locality: Lesencefalu  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	42.9	22	Pg	9:28:23.60			-0.12
			Sg	28:29.08			-0.62
BEHE	56.9	228	Sg	9:28:34.85			0.72
PKS9	76.9	109	Sg	9:28:39.88			-0.63
KOGS	91.9	244	Sg	9:28:44.45			-0.81
KOVH	100.0	144	Pg	9:28:34.85			0.94
			Sg	28:47.38			-0.45
MORH	120.9	123	Pg	9:28:38.41			0.78
			Sg	28:53.05			-1.42
PKSM	120.9	124	Pg	9:28:38.96			1.32
			Sg	28:53.06			-1.43
PKSV	124.9	145	Pg	9:28:38.23			-0.13
			Sg	28:54.69			-1.08
CRES	181.1	233	Sn	9:29:08.78			0.02

683.

2024-05-08 time: 10:06:41.45 UTC ML= 1.4  
 lat: 45.614N lon: 17.280E h= 0.0 km  
 erh= 5.0km erz= 6.0km  
 nr= 12 gap=202 rms=0.86  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MOSL	41.0	270	Pg	10:06:49.16			0.39
			Sg	06:54.59			0.10
PKSV	81.6	68	Sg	10:07:06.40			-0.97
KOVH	82.7	50	Pg	10:06:57.56			1.35
			Sg	07:09.05			1.33
PTJ	107.7	287	Sg	10:07:14.89			-0.78
KOGS	122.3	319	Sg	10:07:20.47			0.15
PKSM	124.8	58	Pg	10:07:03.95			0.22
			Sg	07:20.11			-1.00
MORH	125.2	58	Pg	10:07:03.49			-0.31
			Sg	07:19.93			-1.31
CRES	143.9	279	Sn	10:07:24.54			-1.37

684.

2024-05-08 time: 15:00:57.45 UTC ML= 1.6  
 lat: 47.578N lon: 16.340E h= 0.0 km  
 erh= 1.3km erz= 1.6km  
 nr= 22 gap= 78 rms=0.90  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	13.9	346	PgU	15:01:00.79			0.86
			Sg	01:01.74			-0.12
SOP	20.1	55	Pg	15:01:01.82			0.77
			Sg	01:04.57			0.72
CONA	52.9	317	Sg	15:01:13.32			-0.95
ARSA	71.6	239	Pg	15:01:11.52			1.27
			Sg	01:20.53			0.31
EGYH	76.8	104	Sg	15:01:22.40			0.52
MPLH	101.3	117	Sg	15:01:29.90			0.24
MODS	112.8	38	Pg	15:01:18.10			0.51
			Sg	01:32.37			-0.92
KOGS	125.8	183	Sg	15:01:36.81			-0.65
PKST	132.7	106	Sn	15:01:37.86			-1.56
GROS	139.6	207	Sn	15:01:40.01			-0.96
PERS	140.0	222	Sn	15:01:39.01			-2.04
CSKK	146.7	99	Sn	15:01:41.00			-1.54
SRO	150.4	80	Sn	15:01:42.50			-0.86
PKSG	155.9	98	Sn	15:01:44.60			0.02
KRUC	165.0	1	Pn	15:01:25.53			0.47
			Sn	01:45.20			-1.39
JAVC	173.4	35	Sn	15:01:47.69			-0.76
VRAC	193.3	6	Sn	15:01:51.99			-0.88

685.

2024-05-09 time: 9:20:10.08 UTC ML= 1.7  
 lat: 48.956N lon: 21.278E h= 0.0 km  
 erh= 1.8km erz= 2.8km  
 nr= 9 gap= 95 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	51.3	357	Pg	9:20:19.82			0.58
			Sg	20:26.47			0.09
KOLS	73.0	92	Pg	9:20:22.82			-0.29
ABAH	73.5	182	Sg	9:20:32.79			-0.64
KECS	78.5	228	Pg	9:20:24.65			0.55
			Sg	20:35.07			0.04
NIE	87.1	306	Sg	9:20:37.17			-0.60
LANS	134.0	279	Sn	9:20:51.67			-0.68
OJC	176.6	323	Sn	9:21:01.76			-0.03

## Hypocenter Parameters

## Földrengés paraméterek

686.

2024-05-09 time: 9:36:40.71 UTC ML= 0.9  
 lat: 47.184N lon: 18.306E h= 0.0 km  
 erh= 2.2km erz= 4.4km  
 nr= 10 gap=111 rms=0.56  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	20.2	350	Pg	9:36:44.62			0.31
			Sg	36:46.13			-0.99
PKST	22.2	292	Pg	9:36:45.22			0.56
			Sg	36:47.00			-0.75
PKSG	24.0	16	Pg	9:36:45.54			0.55
			Sg	36:47.96			-0.36
MORH	110.7	166	Sg	9:37:16.21			0.31
PKSM	111.1	167	Sg	9:37:15.99			-0.03
KOVH	122.8	187	Sg	9:37:19.00			-0.75
PSZ	144.8	56	Sn	9:37:24.75			-0.61

687.

2024-05-09 time: 10:01:19.29 UTC ML= 1.6  
 lat: 48.609N lon: 20.767E h= 0.0 km  
 erh= 2.2km erz= 811km  
 nr= 10 gap= 85 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.1	236	Pg	10:01:23.95			0.18
			Sg	01:27.19			-0.07
ABAH	49.4	135	Pg	10:01:28.97			0.86
			Sg	01:34.22			-0.76
STHS	96.3	21	Sg	10:01:50.23			0.33
PSZ	100.5	220	Pg	10:01:37.64			0.40
			Sg	01:50.15			-1.09
LANS	112.7	302	Pg	10:01:39.56			0.14
			Sg	01:54.40			-0.71
KOLS	116.4	72	Sg	10:01:54.99			-1.31

688.

2024-05-10 time: 5:09:20.46 UTC ML= 1.2  
 lat: 47.273N lon: 18.352E h= 0.0 km  
 erh= 2.0km erz= 3.4km  
 nr= 11 gap=111 rms=0.64  
 Locality: Sárkeresztés  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	12.2	325	Pg	5:09:22.84			0.21
			Sg	09:23.25			-1.08
PKSG	13.5	12	Pg	5:09:23.62			0.75
			Sg	09:24.49			-0.27
PKST	24.1	266	Pg	5:09:25.49			0.73
			Sg	09:27.96			-0.16
MPLH	62.6	259	Sg	5:09:39.69			-0.67
MORH	119.6	169	Sg	5:09:58.54			0.05
PKSM	120.0	169	Sg	5:09:58.36			-0.25
KOVH	133.1	188	Sn	5:10:02.19			-0.34
PSZ	136.4	58	Sn	5:10:01.46			-1.79

689.

2024-05-10 time: 6:20:02.17 UTC ML= 1.5  
 lat: 47.275N lon: 18.358E h= 0.0 km  
 erh= 1.6km erz= 2.7km  
 nr= 12 gap=111 rms=0.49  
 Locality: Sárkeresztés  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	12.3	323	Pg	6:20:04.48			0.11
			Sg	20:05.21			-0.87
PKSG	13.2	11	Pg	6:20:04.93			0.39
			Sg	20:05.98			-0.40
PKST	24.6	266	Pg	6:20:06.67			0.11
			Sg	20:09.77			-0.21
MPLH	63.1	259	Sg	6:20:22.56			0.33
MORH	119.7	169	Sg	6:20:39.54			-0.69
PKSM	120.1	170	Sg	6:20:40.54			0.19
KOVH	133.4	189	Sn	6:20:44.01			-0.28
PSZ	135.9	58	Pn	6:20:26.85			0.70
			Sn	20:43.46			-1.39

690.

2024-05-10 time: 8:22:54.03 UTC ML= 1.7  
 lat: 48.802N lon: 16.123E h= 0.0 km  
 erh= 3.6km erz= 4.2km  
 nr= 17 gap=197 rms=0.94  
 Locality: Czechia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KRUC	35.1	35	Pg	8:23:00.44			0.14
			Sg	23:04.46			-0.74
VRAC	66.0	31	Pg	8:23:05.46			-0.36
			Sg	23:14.41			-0.60
MODS	97.6	119	Pg	8:23:12.93			1.48
			Sg	23:24.80			-0.24
CONA	99.0	191	Pg	8:23:12.28			0.57
			Sg	23:24.15			-1.36
JAVC	113.8	87	Pg	8:23:15.69			1.34
			Sg	23:29.02			-1.19
RONA	123.2	174	Pg	8:23:15.75			-0.28
			Sg	23:30.36			-2.83
SOP	128.5	165	Pg	8:23:16.88			-0.09
MORC	149.8	44	Pn	8:23:19.89			0.16
			Sn	23:38.24			-1.55
ARSA	178.2	195	Pn	8:23:24.52			1.24
			Sn	23:44.60			-1.50

691.

2024-05-10 time: 9:07:48.22 UTC ML= 1.8  
 lat: 48.423N lon: 17.264E h= 0.0 km  
 erh= 1.5km erz= 557km  
 nr= 13 gap=119 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	5.6	169	PgU	9:07:49.72			0.50
			Sg	07:50.75			0.76
SMOL	15.9	50	Pg	9:07:51.21			0.15
			Sg	07:52.68			-0.59
ZST	27.9	205	Pg	9:07:53.22			0.01
			Sg	07:56.81			-0.28
JAVC	57.1	32	Pg	9:07:58.50			0.09
			Sg	08:05.04			-1.32
KRUC	95.5	318	Pg	9:08:05.87			0.58
			Sg	08:18.49			-0.10
RONA	108.0	222	Sg	9:08:21.83			-0.72
CONA	117.9	242	Pg	9:08:09.05			-0.22
			Sg	08:24.97			-0.72

692.

2024-05-10 time: 9:14:25.38 UTC ML= 1.3  
 lat: 46.121N lon: 18.087E h= 0.0 km  
 erh= 1.9km erz= 311km  
 nr= 9 gap=239 rms=0.24  
 Locality: Abaliget  
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KOVH	3.8	165	PgU	9:14:25.93	-0.13
			Sg	14:26.62	0.04
PKSV	28.8	154	Pg	9:14:30.59	0.06
			Sg	14:33.74	-0.81
PKSM	44.0	77	Pg	9:14:33.38	0.14
			Sg	14:39.31	-0.05
MORH	44.3	76	Pg	9:14:33.70	0.40
			Sg	14:39.26	-0.21
PKB5	72.6	43	Pg	9:14:38.16	-0.19

693.

2024-05-10 time: 9:35:02.04 UTC ML= 1.4  
 lat: 47.582N lon: 18.520E h= 0.0 km  
 erh= 2.6km erz= 3.4km  
 nr= 15 gap= 94 rms=1.41  
 Locality: Tarján  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	23.3	205	Pg	9:35:08.40	2.20
			Sg	35:09.91	0.47
SRO	30.0	329	Sg	9:35:13.33	1.76
CSKK	31.2	219	Pg	9:35:08.71	1.10
			Sg	35:11.70	-0.26
BUD	39.5	106	Sg	9:35:14.88	0.29
MPLH	87.1	238	Sg	9:35:28.58	-1.13
EGYH	91.4	258	Sg	9:35:30.85	-0.23
PSZ	109.6	70	Sg	9:35:37.16	0.27
MODS	127.9	313	Sg	9:35:41.08	-1.60
SMOL	131.7	322	Sn	9:35:42.27	-1.52
BSZH	135.5	103	Sn	9:35:42.08	-2.55
MORH	152.2	176	Sn	9:35:46.28	-2.06
PKSM	152.6	177	Sn	9:35:46.38	-2.05
JAVC	155.4	336	Sn	9:35:48.84	-0.20

694.

2024-05-11 time: 8:40:39.15 UTC ML= 1.9  
 lat: 45.926N lon: 16.028E h= 3.4 km  
 erh= 1.4km erz= 2.1km  
 nr= 23 gap= 69 rms=0.60  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.1	242	Pg	8:40:40.51	0.10
			Sg	40:41.61	0.22
ZAG	11.1	194	Pg	8:40:41.34	0.12
			Sg	40:43.44	0.60
GCIS	31.8	258	iPg	8:40:45.06	0.20
GOLS	32.7	287	eSg	8:40:50.38	0.78
CESS	44.1	277	eSg	8:40:53.31	0.09
RCF6	45.6	353	Sg	8:40:54.33	0.64
CRES	45.7	256	Pg	8:40:47.43	0.09
			Sg	40:52.64	-1.09
LEGS	55.2	273	iPg	8:40:49.35	0.33
			eSg	40:56.67	-0.05
KOGS	60.6	16	Pg	8:40:49.91	-0.07
			Sg	40:58.25	-0.18
MOSL	66.3	122	Pg	8:40:50.14	-0.87
GROS	72.0	326	ePg	8:40:52.81	0.78
BOJS	76.5	232	iPg	8:40:52.39	-0.43
BEHE	83.6	44	Sg	8:41:05.67	-0.08
PERS	105.7	318	Pg	8:40:57.41	-0.62
			Sg	41:10.83	-1.93
ARSA	152.3	345	Sn	8:41:25.01	0.32
BLY	159.1	145	Sn	8:41:26.63	0.42
TIH	179.7	53	Sn	8:41:32.91	2.13
PKSM	204.7	81	Sn	8:41:41.44	5.12*

695.

2024-05-11 time: 9:42:01.16 UTC ML= 1.2  
 lat: 47.180N lon: 18.068E h= 6.3 km  
 erh= 2.0km erz= 6.1km  
 nr= 6 gap=140 rms=0.28  
 Locality: Öskü  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	9.1	344	PgD	9:42:03.53	0.40
			Sg	42:04.21	-0.47
CSKK	25.0	36	Sg	9:42:09.26	-0.09
PKSG	33.9	46	Sg	9:42:12.02	-0.09
MPLH	40.1	268	Sg	9:42:13.88	-0.18
PKB1	70.5	129	Sg	9:42:23.70	0.05

696.

2024-05-12 time: 7:04:47.44 UTC ML= 0.0  
 lat: 47.780N lon: 16.578E h= 10.0 km  
 erh= 7.8km erz= 7.6km  
 nr= 6 gap=139 rms=0.58  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	10.9	188	Pg	7:04:50.61	0.53
			Sg	04:52.03	-0.10
RONA	22.9	247	Pg	7:04:52.30	0.39
			Sg	04:54.54	-0.86
MPLH	99.2	133	Sg	7:05:18.05	-1.09
KRUC	143.2	355	Sn	7:05:29.46	0.00

697.

2024-05-12 time: 7:14:09.77 UTC ML= 1.5  
 lat: 45.902N lon: 18.831E h= 10.0 km  
 erh= 3.1km erz= 3.0km  
 nr= 13 gap=235 rms=0.53  
 Locality: Homorúd  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	37.5	337	PgU	7:14:16.70	0.01
			Sg	14:22.84	0.75
MORH	37.8	338	PgU	7:14:16.49	-0.26
			Sg	14:22.82	0.63
PKSV	44.9	268	Pg	7:14:17.66	-0.33
			Sg	14:23.46	-0.94
KOVH	60.3	290	Pg	7:14:20.99	0.30
			Sg	14:28.93	-0.27
PKS2	71.9	24	Sg	7:14:32.18	-0.68
PKS9	87.3	331	Pg	7:14:25.28	-0.18
			Sg	14:38.16	0.47
MOSL	164.7	259	Pn	7:14:37.54	1.48
			Sn	14:56.22	-0.35

698.

2024-05-12 time: 13:41:37.30 UTC ML= 1.9  
 lat: 46.497N lon: 16.731E h= 10.0 km  
 erh= 2.1km erz= 1.4km  
 nr= 19 gap=122 rms=0.71  
 Locality: Zajk  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	4.5	131	PgU	13:41:39.25	-0.01
			Sg	41:41.21	0.42
KOGS	37.3	262	Sg	13:41:50.59	1.01
RCF6	62.0	253	Sg	13:41:57.26	-0.01
PTJ	89.2	222	Pg	13:41:53.92	0.58
			Sg	42:04.49	-1.35

## Hypocenter Parameters

GROS	94.5	268	Pg	13:41:54.15	-0.12
			Sg	42:06.66	-0.84
MPLH	97.0	39	Sg	13:42:07.76	-0.54
MOSL	98.2	179	Pg	13:41:54.99	0.06
			Sg	42:07.44	-1.24
KOVH	114.8	113	Sn	13:42:11.06	-1.98
PKS9	119.2	85	Pn	13:41:57.68	-0.24
CRES	123.5	233	Pn	13:41:59.36	0.91
			Sn	42:14.79	-0.16
PERS	124.7	277	Pn	13:41:58.87	0.26
			Sn	42:14.28	-0.95
PKSM	150.4	102	Sn	13:42:22.06	1.13
MORH	150.5	102	Sn	13:42:22.20	1.24

699.

2024-05-13 time: 8:28:27.14 UTC ML= 1.7  
 lat: 48.512N lon: 17.477E h= 0.0 km  
 erh= 2.3km erz= 2.5km  
 nr= 16 gap=143 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.6	273	Pg	8:28:28.12	0.35
			Sg	28:28.98	0.71
MODS	21.3	224	Pg	8:28:31.40	0.46
			Sg	28:34.75	0.84
JAVC	41.2	20	Pg	8:28:34.61	0.12
			Sg	28:41.26	1.04
ZST	44.8	218	Pg	8:28:35.94	0.81
			Sg	28:41.81	0.45
KRUC	100.3	308	Pg	8:28:44.32	-0.73
			Sg	28:58.25	-0.76
VRAC	109.7	324	Sg	8:29:00.50	-1.51
RONA	126.0	224	Sg	8:29:05.82	-1.38
CONA	136.4	242	Pn	8:28:51.42	0.24
			Sn	29:09.26	-0.68
MORC	140.7	2	Sn	8:29:10.52	-0.38
PKST	145.4	163	Sn	8:29:10.52	-1.41

700.

2024-05-13 time: 8:59:27.18 UTC ML= 0.9  
 lat: 47.237N lon: 18.268E h= 0.0 km  
 erh= 2.3km erz= 317km  
 nr= 7 gap=234 rms=0.21  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.0	358	Pg	8:59:29.68	0.00
			Sg	59:31.33	-0.31
PKST	17.9	278	Pg	8:59:30.46	0.09
			Sg	59:33.20	0.34
PKSG	19.5	28	Pg	8:59:30.54	-0.13
			Sg	59:33.75	0.36
MPLH	55.7	262	Sg	8:59:44.63	-0.26

701.

2024-05-13 time: 10:07:46.92 UTC ML= 1.8  
 lat: 48.586N lon: 20.903E h= 0.0 km  
 erh= 3.0km erz= 6.5km  
 nr= 16 gap= 83 rms=1.30  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	32.9	250	Pg	10:07:53.03	0.24
			Sg	07:57.01	-0.36
ABAH	40.8	142	Pg	10:07:54.99	0.79
			Sg	07:59.88	0.00
STHS	95.7	15	Pg	10:08:04.97	0.97
			Sg	08:14.99	-2.34

## Földrengés paraméterek

NIE	102.2	335	Pg	10:08:07.55	2.39
			Sg	08:17.88	-1.51
PSZ	105.5	225	Pg	10:08:06.14	0.39
			Sg	08:19.94	-0.50
KOLS	107.9	69	Pg	10:08:07.81	1.62
			Sg	08:19.92	-1.29
LANS	122.6	301	Pg	10:08:08.75	-0.06
			Sg	08:23.69	-2.19
TRPA	131.4	113	Pn	10:08:09.29	-1.05
			Sn	08:26.04	-2.57

702.

2024-05-13 time: 10:31:08.58 UTC ML= 1.6  
 lat: 48.680N lon: 20.859E h= 0.0 km  
 erh= 5.1km erz= 4.9km  
 nr= 9 gap=203 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	35.2	232	Pg	10:31:15.26	0.39
			Sg	31:19.49	-0.28
ABAH	51.1	147	Pg	10:31:18.86	1.15
			Sg	31:24.81	-0.02
KOLS	107.6	75	Sg	10:31:41.90	-0.89
PSZ	110.9	220	Pg	10:31:28.80	0.42
			Sg	31:41.64	-2.19
TRPA	138.6	116	Sn	10:31:51.14	-0.72
LTVH	163.6	152	Sn	10:31:56.30	-1.12

703.

2024-05-13 time: 10:48:45.43 UTC ML= 1.7  
 lat: 47.290N lon: 18.340E h= 0.0 km  
 erh= 1.8km erz= 2.5km  
 nr= 11 gap=110 rms=0.69  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.1	323	Pg	10:48:47.28	0.04
			Sg	48:47.89	-0.75
PKSG	11.9	19	Pg	10:48:47.81	0.25
			Sg	48:49.61	0.39
PKST	23.4	261	Pg	10:48:50.20	0.59
			Sg	48:54.07	1.20
MORH	121.7	169	Sg	10:49:23.60	-0.51
PKSM	122.1	169	Sg	10:49:24.15	-0.09
PSZ	136.2	59	Sn	10:49:27.60	-0.57
MODS	144.4	327	Sn	10:49:27.52	-2.48
BEHE	150.1	233	Sn	10:49:29.94	-1.33

704.

2024-05-13 time: 14:08:41.37 UTC ML= 1.3  
 lat: 47.371N lon: 16.315E h= 0.0 km  
 erh= 5.1km erz= 4.0km  
 nr= 10 gap=224 rms=0.99  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	36.5	358	Pg	14:08:48.43	0.54
			Sg	08:52.51	-0.47
SOP	39.2	28	Pg	14:08:49.18	0.81
			Sg	08:53.66	-0.17
ARSA	61.4	257	Sg	14:08:59.85	-1.04
CONA	70.7	331	Pg	14:08:54.70	0.71
			Sg	09:03.24	-0.60
MODS	132.7	33	Sn	14:09:20.91	-2.42
KRUC	188.1	2	Pn	14:09:12.62	0.77
			Sn	09:33.53	-2.10



**Földrengés paraméterek****Hypocenter Parameters**

705.

2024-05-13 time: 20:19:58.88 UTC ML= 1.6  
 lat: 46.429N lon: 16.230E h= 10.0 km  
 erh= 1.8km erz= 2.2km  
 nr= 18 gap= 72 rms=0.67  
 Locality: Slovenia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	2.7	36	Pg	20:20:00.65	-0.08
			Sg	20:01.93	-0.24
RCF6	23.3	243	Pg	20:20:03.93	0.52
			Sg	20:07.40	0.45
BEHE	42.2	84	Pg	20:20:07.31	0.69
			Sg	20:13.06	0.40
GROS	56.1	274	Sg	20:20:16.24	-0.74
PTJ	62.4	200	Sg	20:20:17.80	-1.17
PERS	88.5	285	Pg	20:20:15.44	0.66
			Sg	20:26.76	-0.41
CRES	89.8	222	Pg	20:20:15.53	0.52
			Sg	20:26.81	-0.78
SOKA	95.9	287	Pg	20:20:16.67	0.57
			Sg	20:28.72	-0.81
MOSL	99.3	156	Pg	20:20:16.94	0.24
			Sg	20:29.04	-1.56
ARSA	106.1	329	P*	20:20:17.31	-0.52
			S*	20:30.46	-2.15

706.

2024-05-14 time: 8:45:23.16 UTC ML= 1.9  
 lat: 48.428N lon: 17.178E h= 0.0 km  
 erh= 1.2km erz= 2.7km  
 nr= 18 gap= 80 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	9.5	129	Pg	8:45:25.04	0.19
			Sg	45:26.13	-0.04
SMOL	20.9	63	Pg	8:45:26.68	-0.21
			Sg	45:29.60	-0.19
ZST	26.3	192	Pg	8:45:27.41	-0.45
			Sg	45:31.61	0.08
JAVC	60.2	37	Pg	8:45:34.53	0.62
			Sg	45:42.68	0.39
KRUC	91.1	321	Pg	8:45:39.85	0.43
			Sg	45:51.55	-0.55
RONA	104.3	219	Pg	8:45:42.00	0.22
VRAC	106.9	336	Pg	8:45:42.91	0.66
			Sg	45:55.68	-1.47
CONA	112.5	240	Pg	8:45:43.69	0.43
			Sg	45:58.21	-0.72
ZBNS	133.2	54	Sn	8:46:03.08	-2.17
MORC	152.4	10	Pn	8:45:48.82	-0.38
			Sn	46:08.11	-1.39

707.

2024-05-14 time: 11:13:31.67 UTC ML= 1.6  
 lat: 48.609N lon: 20.791E h= 0.0 km  
 erh= 6.7km erz= \*\*\*km  
 nr= 7 gap=195 rms=0.92  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.5	238	Pg	11:13:37.45	1.04
			Sg	13:40.28	0.18
ABAH	48.1	136	Pg	11:13:40.46	0.20
			Sg	13:45.99	-0.96
PSZ	101.6	221	Pg	11:13:50.34	0.52
			Sg	14:02.42	-1.55
LANS	114.2	302	Sg	11:14:06.30	-1.69

708.

2024-05-15 time: 6:40:20.98 UTC ML= 1.7  
 lat: 48.424N lon: 17.259E h= 0.0 km  
 erh= 1.8km erz= 495km  
 nr= 10 gap=115 rms=0.39  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.7	166	Pg	6:40:22.11	0.11
			Sg	40:23.30	0.50
SMOL	16.1	51	Pg	6:40:23.48	-0.37
			Sg	40:26.36	0.27
ZST	27.8	205	Pg	6:40:25.81	-0.14
			Sg	40:29.19	-0.64
JAVC	57.2	32	Pg	6:40:31.11	-0.08
			Sg	40:37.86	-1.29
KRUC	95.3	318	Pg	6:40:38.59	0.59
RONA	107.8	222	Pg	6:40:40.33	0.09

709.

2024-05-15 time: 8:37:39.95 UTC ML= 1.7  
 lat: 47.564N lon: 16.386E h= 0.0 km  
 erh= 1.9km erz= 3.2km  
 nr= 19 gap= 74 rms=0.87  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.5	336	PgU	8:37:43.25	0.35
			Sg	37:44.78	-0.41
SOP	18.5	44	Pg	8:37:43.86	0.60
			Sg	37:46.16	0.33
CONA	56.4	316	Pg	8:37:50.97	0.94
			Sg	37:56.75	-1.14
ARSA	73.9	242	Pg	8:37:54.26	1.11
			Sg	38:02.94	-0.50
ZST	88.4	37	Sg	8:38:08.40	0.37
MPLH	97.5	117	Sg	8:38:11.95	1.00
MODS	111.9	36	Sg	8:38:14.38	-1.15
KOGS	124.5	185	Sg	8:38:18.54	-0.99
PKST	128.9	105	Pg	8:38:02.11	-0.87
			Sg	38:19.66	-1.28
GROS	139.9	209	Pn	8:38:04.11	-0.32
			Sn	38:21.77	-1.75
RCF6	140.7	193	Pn	8:38:05.46	0.94
			Sn	38:23.49	-0.20
KRUC	166.5	0	Sn	8:38:27.86	-1.57

710.

2024-05-15 time: 9:18:40.82 UTC ML= 1.8  
 lat: 47.328N lon: 18.431E h= 0.0 km  
 erh= 2.1km erz= 794km  
 nr= 11 gap=113 rms=0.64  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.7	337	Pg	9:18:42.16	-0.05
			Sg	18:42.66	-0.63
CSKK	13.5	287	PgU	9:18:43.44	0.21
			Sg	18:44.71	-0.40
PKST	31.0	256	Pg	9:18:46.91	0.56
			Sg	18:49.92	-0.74
MORH	124.7	172	Pg	9:19:04.35	1.26
			Sg	19:19.18	-1.27
PKSM	125.1	173	Sg	9:19:20.10	-0.49
PSZ	128.1	59	Pg	9:19:03.93	0.23
			Sg	19:20.87	-0.68

### Hypocenter Parameters

### Földrengés paraméterek

711.  
 2024-05-15 time: 9:39:03.02 UTC ML= 1.6  
 lat: 48.711N lon: 21.483E h= 0.0 km  
 erh= 2.6km erz= 4.4km  
 nr= 14 gap= 79 rms=0.95  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	49.5	201	Pg	9:39:12.81			0.96
			Sg		39:20.11		1.36
KOLS	63.1	67	Pg	9:39:15.92			1.63
			Sg		39:23.19		0.11
KECS	77.8	251	Pg	9:39:17.19			0.29
			Sg		39:25.95		-1.78
STHS	80.4	347	Pg	9:39:16.82			-0.56
			Sg		39:29.42		0.84
TRPA	101.4	130	Pg	9:39:20.48			-0.64
			Sg		39:33.99		-1.26
NIE	116.2	313	Pg	9:39:22.86			-0.91
			Sg		39:39.11		-0.85
PSZ	147.1	233	Sn	9:39:47.87			-0.31
OJC	207.5	324	Sn	9:40:02.12			0.53

712.  
 2024-05-15 time: 9:51:08.35 UTC ML= 1.3  
 lat: 48.505N lon: 17.504E h= 0.0 km  
 erh= 3.4km erz= 5.1km  
 nr= 10 gap=204 rms=0.72  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	5.7	280	PgU	9:51:09.40			0.04
			Sg		51:10.15		0.00
MODS	22.2	229	Pg	9:51:12.96			0.64
			Sg		51:16.14		0.73
JAVC	41.3	17	Pg	9:51:15.79			0.07
			Sg		51:20.45		-1.02
ZST	45.4	221	Pg	9:51:20.70			-2.08
KRUC	102.4	307	Pg	9:51:27.33			0.70
			Sg		51:40.19		-0.70
CONA	137.9	242	Sn	9:51:50.36			-1.10

713.  
 2024-05-15 time: 9:55:55.89 UTC ML= 1.3  
 lat: 48.596N lon: 20.691E h= 0.0 km  
 erh= 5.8km erz= \*\*\*km  
 nr= 7 gap=146 rms=1.10  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	19.7	230	Pg	9:56:00.21			0.81
			Sg		56:02.72		0.58
ABAH	52.5	129	Pg	9:56:06.19			0.92
			Sg		56:11.63		-0.95
NIE	95.6	343	Pg	9:56:24.51			-1.78
PSZ	95.8	218	Pg	9:56:13.19			0.20
			Sg		56:23.87		-2.46

714.  
 2024-05-15 time: 18:47:35.60 UTC ML= 1.6  
 lat: 46.104N lon: 16.479E h= 13.1 km  
 erh= 1.6km erz= 2.5km  
 nr= 15 gap= 72 rms=0.50  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	42.2	335	Pg	18:47:44.21			0.73
			Sg		47:48.55		-1.08
PTJ	46.2	241	Pg	18:47:44.57			0.39
			Sg		47:50.51		-0.37
BEHE	46.7	29	Pg	18:47:44.39			0.13
			Sg		47:51.02		-0.01
RCF6	47.5	303	Pg	18:47:44.39			-0.01
			Sg		47:50.87		-0.39
ZAG	48.4	231	Pg	18:47:52.42			0.88
MOSL	58.5	159	Pg	18:47:46.36			0.05
			Sg		47:53.67		-0.99
CRES	85.0	249	Pg	18:47:50.96			0.00
			Sg		48:02.10		-0.84
KOVH	125.4	91	Pn	18:47:56.90			0.31
			Sn		48:12.20		-0.76

715.  
 2024-05-16 time: 7:08:23.83 UTC ML= 1.4  
 lat: 47.905N lon: 20.115E h= 0.0 km  
 erh= 4.4km erz= 4.7km  
 nr= 6 gap=184 rms=0.54  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	16.6	275	PgU	7:08:27.08			0.29
			Sg		08:28.95		-0.15
KECS	69.9	23	Pg	7:08:36.85			0.53
			Sg		08:45.34		-0.72
ABAH	94.4	63	Pg	7:08:53.77			-0.05
PKSG	141.6	246	Sn	7:09:06.44			-1.34

716.  
 2024-05-16 time: 8:19:16.87 UTC ML= 1.7  
 lat: 47.960N lon: 16.032E h= 0.0 km  
 erh= 2.8km erz= 5.3km  
 nr= 11 gap=118 rms=0.84  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	13.2	254	Pg	8:19:20.02			0.79
			Sg		19:22.29		1.21
RONA	35.1	146	Pg	8:19:23.30			0.16
			Sg		19:27.41		-0.62
ARSA	87.7	206	Pg	8:19:43.03			-1.72
MODS	103.4	64	Pg	8:19:36.08			0.74
			Sg		19:49.78		0.04
KRUC	125.4	12	Pg	8:19:39.19			-0.07
			Sg		19:54.71		-2.02
VRAC	155.5	15	Pn	8:19:43.11			-0.19
			Sn		20:02.65		-1.26

717.  
 2024-05-16 time: 9:20:02.17 UTC ML= 0.9  
 lat: 47.215N lon: 18.286E h= 0.0 km  
 erh= 3.3km erz= \*\*\*km  
 nr= 8 gap=144 rms=0.73  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	16.6	353	Pg	9:20:04.18			-0.94
			Sg		20:06.78		-0.65
PKST	19.7	284	Pg	9:20:06.00			0.33
			Sg		20:08.70		0.29
PKSG	21.2	22	Pg	9:20:06.69			0.74
			Sg		20:09.84		0.94
MORH	114.4	166	Pg	9:20:38.72			0.19
PKSM	114.8	166	Pg	9:20:37.44			-1.21

**Földrengés paraméterek**

**Hypocenter Parameters**

718.

2024-05-16 time: 9:59:58.68 UTC ML= 1.8  
 lat: 48.109N lon: 16.965E h= 0.0 km  
 erh= 3.2km erz= 3.8km  
 nr= 15 gap= 88 rms=1.18  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	14.1	46	Pg	10:00:02.49	1.29
			Sg	00:04.04	0.87
MODS	37.5	38	Pg	10:00:06.50	1.12
			Sg	00:10.70	0.10
RONA	67.6	228	Pg	10:00:11.53	0.78
			Sg	00:19.56	-0.60
CONA	84.7	256	Pg	10:00:14.45	0.64
			Sg	00:24.40	-1.21
KRUC	114.1	338	Sg	10:00:32.98	-1.95
PKST	123.9	140	Sg	10:00:36.09	-1.99
PKSG	133.3	127	Sn	10:00:38.10	-2.69
VRAC	136.2	348	Pn	10:00:22.57	-0.13
			Sn	00:39.65	-1.78
ARSA	144.3	229	Pn	10:00:24.58	0.87
			Sn	00:42.11	-1.12

719.

2024-05-16 time: 10:05:07.14 UTC ML= 1.8  
 lat: 48.695N lon: 22.435E h= 0.0 km  
 erh= 1.4km erz= 4.7km  
 nr= 17 gap= 83 rms=0.56  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
UZH	12.6	236	Pg	10:05:10.13	0.73
			Sg	05:11.95	0.79
HOLU	19.0	191	Pg	10:05:10.40	-0.14
			Sg	05:13.27	0.08
KOLS	29.0	336	Pg	10:05:12.40	0.07
			Sg	05:16.96	0.59
STZU	38.3	21	Pg	10:05:14.05	0.07
			Sg	05:19.90	0.58
TRPA	63.2	173	Pg	10:05:17.89	-0.55
			Sg	05:27.20	-0.05
MEZ	82.1	104	Sg	10:05:32.59	-0.65
ABAH	98.8	243	Pg	10:05:24.87	0.08
			Sg	05:37.70	-0.86
STHS	118.4	313	Pg	10:05:28.24	-0.05
			Sg	05:42.11	-2.67
KECS	145.7	261	Sn	10:05:48.47	-3.53*
DRGR	212.6	174	Sn	10:06:07.11	0.26

720.

2024-05-16 time: 11:45:52.43 UTC ML= 0.7  
 lat: 47.817N lon: 16.011E h= 0.0 km  
 erh= 0.8km erz= 193km  
 nr= 5 gap=163 rms=0.09  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.7	318	Pg	11:45:55.30	-0.11
			Sg	45:57.88	0.15
RONA	25.1	121	Pg	11:45:56.94	0.04
			Sg	46:00.32	-0.07
ARSA	72.9	210	Sg	11:46:15.66	0.06

721.

2024-05-17 time: 2:29:10.12 UTC ML= 0.7  
 lat: 47.686N lon: 16.022E h= 9.5 km  
 erh= 1.0km erz= 0.8km  
 nr= 13 gap=127 rms=0.29  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.6	86	PgU	2:29:14.35	0.17
			Sg	29:17.29	-0.05
CONA	29.5	336	Pg	2:29:15.84	0.19
			Sg	29:19.62	-0.35
SOP	40.3	90	Pg	2:29:17.62	0.11
			Sg	29:22.80	-0.47
ARSA	61.3	218	Pg	2:29:21.25	0.05
			Sg	29:28.79	-1.05
MODS	120.9	51	Sn	2:29:47.22	-0.09
MOA	132.9	278	Pn	2:29:32.86	0.35
			Sn	29:49.95	-0.02
KRUC	155.5	10	Sn	2:29:54.38	-0.61
VRAC	185.3	13	Sn	2:30:01.90	0.30

722.

2024-05-17 time: 10:05:46.87 UTC ML= 1.4  
 lat: 45.585N lon: 17.604E h= 0.0 km  
 erh= 9.8km erz= \*\*\*km  
 nr= 10 gap=216 rms=0.85  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	60.6	56	Pg	10:05:58.82	1.13
			Sg	06:05.91	-0.23
MOSL	66.4	273	Pg	10:05:58.67	-0.05
			Sg	06:07.31	-0.66
KOVH	67.9	35	Pg	10:06:00.10	1.12
			Sg	06:09.23	0.80
PKSM	106.4	49	Pg	10:06:05.03	-0.84
			Sg	06:18.97	-1.72
MORH	106.9	49	Pg	10:06:05.80	-0.15
			Sg	06:19.88	-0.95

723.

2024-05-17 time: 14:04:51.72 UTC ML= 1.2  
 lat: 46.028N lon: 22.033E h= 4.2 km  
 erh= 4.3km erz=39.5km  
 nr= 6 gap=176 rms=0.50  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	31.2	167	PgU	14:04:57.40	0.05
			Sg	05:00.82	-0.92
BZS	56.0	215	Pg	14:05:01.89	0.14
			Sg	05:09.37	-0.20
DRGR	99.7	32	Pg	14:05:10.21	0.68
			Sg	05:22.68	-0.75

724.

2024-05-18 time: 3:28:41.40 UTC ML= 1.1  
 lat: 48.036N lon: 20.806E h= 4.5 km  
 erh= 0.1km erz= 2.1km  
 nr= 6 gap=211 rms=0.22  
 Locality: Kistokaj  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	43.3	48	Pg	3:28:49.20	0.03
			Sg	28:54.69	-0.54

## Hypocenter Parameters

KECS 55.1 334 Pg 3:28:51.45 0.18  
 Sg 28:58.80 -0.17  
 PSZ 69.3 259 Pg 3:28:53.97 0.17  
 Sg 29:03.24 -0.24

725.

2024-05-18 time: 17:25:31.68 UTC ML= 1.6  
 lat: 48.273N lon: 16.795E h= 11.6 km  
 erh= 2.4km erz= 2.5km  
 nr= 21 gap=100 rms=0.92  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	24.4	111	PgU	17:25:36.52	0.02
			Sg	25:39.69	-0.58
MODS	37.5	73	Pg	17:25:38.70	0.01
			Sg	25:43.16	-0.99
SMOL	54.1	60	Sg	17:25:49.55	0.30
WINA	56.7	251	Pg	17:25:42.57	0.56
			Sg	25:49.97	-0.11
RONA	73.8	210	Pg	17:25:45.35	0.33
			Sg	25:54.20	-1.23
CONA	79.4	241	Pg	17:25:47.01	1.01
			Sg	25:56.40	-0.77
JAVC	91.8	45	Pg	17:25:50.28	2.08
KRUC	92.5	341	Pg	17:25:48.18	-0.15
			Sg	25:59.73	-1.58
ABNA	109.9	294	Pn	17:25:50.76	-0.18
			Sn	26:04.34	-1.63
VRAC	116.1	353	Sn	17:26:05.98	-1.35
ARSA	148.4	220	Sn	17:26:13.56	-0.94
MORC	175.9	18	Sn	17:26:22.40	1.78
MOA	194.3	256	Pn	17:26:02.05	0.59
			Sn	26:25.62	0.93

726.

2024-05-18 time: 17:37:36.27 UTC ML= 1.8  
 lat: 48.261N lon: 16.788E h= 10.0 km  
 erh= 2.8km erz= 4.4km  
 nr= 10 gap=100 rms=0.68  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	24.4	107	Pg	17:37:41.31	0.32
			Sg	37:44.50	-0.17
MODS	38.4	71	Pg	17:37:44.05	0.70
			Sg	37:47.79	-1.09
SMOL	55.1	59	Pg	17:37:46.32	0.04
CONA	78.3	242	Sg	17:38:01.17	-0.20
KRUC	93.6	342	Pg	17:37:53.91	0.83
			Sg	38:04.64	-1.56
EGYH	102.3	157	Sg	17:38:08.15	-0.80
VRAC	117.3	353	Sn	17:38:12.12	-0.43

727.

2024-05-18 time: 17:45:01.88 UTC ML= 1.6  
 lat: 48.315N lon: 16.789E h= 8.1 km  
 erh= 1.9km erz= 2.8km  
 nr= 19 gap= 89 rms=0.79  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	26.7	120	PgU	17:45:06.78	-0.09
			Sg	45:09.91	-0.85
MODS	36.8	80	Pg	17:45:08.96	0.35
			Sg	45:13.16	-0.69
SMOL	52.2	65	Sg	17:45:18.50	-0.19
WINA	58.0	247	Pg	17:45:12.73	0.39
			Sg	45:20.43	-0.07

## Földrengés paraméterek

RONA 77.7 208 Pg 17:45:16.63 0.80  
 Sg 45:25.46 -1.25  
 CONA 81.3 238 Pg 17:45:16.95 0.47  
 Sg 45:26.44 -1.43  
 KRUC 88.0 341 Pg 17:45:18.54 0.88  
 Sg 45:29.68 -0.29  
 ABNA 107.8 292 Pg 17:45:21.16 -0.02  
 Sg 45:34.38 -1.85  
 VRAC 111.4 353 Pn 17:45:22.06 0.28  
 Sn 45:35.93 -1.37  
 ARSA 151.7 219 Sn 17:45:48.07 1.83  
 MORC 171.7 19 Sn 17:45:54.09 3.42\*

728.

2024-05-19 time: 16:37:53.27 UTC ML= 1.8  
 lat: 47.975N lon: 19.233E h= 3.0 km  
 erh= 2.7km erz= 3.2km  
 nr= 21 gap= 69 rms=1.00  
 Locality: Szátok  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	20.8	170	PgU	16:37:57.33	0.30
			Sg	38:00.40	0.44
PSZ	49.8	97	Pg	16:38:02.40	0.22
			Sg	38:08.65	-0.48
SF5A	50.7	167	Pg	16:38:02.85	0.51
BUD	56.8	196	Sg	16:38:10.74	-0.62
SRO	71.1	255	Pg	16:38:05.82	-0.16
			Sg	38:14.70	-1.19
PKSG	90.6	224	Pg	16:38:09.42	-0.03
			Sg	38:21.02	-1.06
PKS7	103.3	183	Sg	16:38:25.27	-0.84
KECS	108.9	59	Pg	16:38:12.43	-0.29
			Sg	38:26.14	-1.75
LANS	131.9	8	Sn	16:38:32.39	-1.99
PKB1	136.5	194	Pn	16:38:17.58	0.64
			Sn	38:33.16	-2.25
JAVC	151.8	310	Pn	16:38:20.76	1.91
MODS	152.1	287	Pn	16:38:20.33	1.45
			Sn	38:37.05	-1.81
ABAH	153.6	77	Pn	16:38:20.61	1.54
PKB5	158.0	194	Sn	16:38:40.76	0.59

729.

2024-05-20 time: 10:00:59.42 UTC ML= 1.4  
 lat: 48.620N lon: 20.810E h= 0.0 km  
 erh= 2.3km erz= 269km  
 nr= 5 gap=261 rms=0.12  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.4	238	Pg	10:01:04.41	-0.08
			Sg	01:08.68	0.24
ABAH	48.1	139	Pg	10:01:08.06	0.06
			Sg	01:14.71	0.02
PSZ	103.5	221	Sg	10:01:32.12	-0.20

730.

2024-05-20 time: 11:35:20.86 UTC ML= 1.6  
 lat: 46.151N lon: 16.406E h= 0.0 km  
 erh= 1.9km erz= 3.6km  
 nr= 18 gap= 76 rms=0.84  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOGS	35.2	340	Sg	11:35:31.88	-0.17
PTJ	44.5	231	Pg	11:35:29.90	1.09
			Sg	35:34.92	-0.08
BEHE	45.5	39	Pg	11:35:29.90	0.91

### Földrengés paraméterek

### Hypocenter Parameters

		Sg	35:35.73	0.40	
MOSL	65.5	156	Pg	11:35:32.49	-0.07
		Sg	35:40.70	-0.99	
GROS	77.7	296	Sg	11:35:44.20	-1.37
CRES	81.9	244	Pg	11:35:36.54	1.05
		Sg	35:46.78	-0.12	
PERS	112.9	299	Pg	11:35:41.15	0.13
		Sg	35:56.09	-0.66	
SOKA	120.8	299	Pg	11:35:42.40	-0.03
		Sg	35:57.71	-1.54	
KOVH	131.1	93	Pn	11:35:44.48	0.24
		Sn	36:00.02	-2.46	
ARSA	139.7	331	Pn	11:35:45.21	-0.10
		Sn	36:02.03	-2.35	

		Sg	35:18.51	0.18	
PKSV	49.1	274	Sg	22:35:19.88	-0.02
KOVH	66.0	293	Pg	22:35:16.53	0.46
		Sg	35:24.56	-0.71	

731.

2024-05-20 time: 12:00:41.44 UTC ML= 1.6  
 lat: 48.798N lon: 21.379E h= 0.0 km  
 erh= 2.5km erz= 4.1km  
 nr= 17 gap= 70 rms=1.12  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	56.7	190	Pg	12:00:53.45	1.88
			Sg	00:59.85	0.38
KOLS	67.3	77	Sg	12:01:02.90	0.07
STHS	69.6	352	Pg	12:00:55.61	1.75
			Sg	01:04.17	0.62
KECS	74.6	242	Pg	12:00:54.98	0.22
			Sg	01:03.45	-1.69
STZU	94.4	75	Pg	12:00:57.77	-0.52
			Sg	01:11.28	-0.15
NIE	104.1	312	Pg	12:01:00.47	0.44
			Sg	01:11.82	-2.71
TRPA	113.4	131	Pg	12:01:01.10	-0.59
			Sg	01:16.32	-1.17
KWP	134.0	46	Sn	12:01:21.99	-1.72
PSZ	147.2	228	Pn	12:01:07.05	0.22
			Sn	01:25.05	-1.58
OJC	195.3	324	Sn	12:01:36.85	-0.45

732.

2024-05-20 time: 12:58:58.72 UTC ML= 1.3  
 lat: 48.310N lon: 19.922E h= 0.0 km  
 erh= 3.7km erz= 724km  
 nr= 8 gap=206 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	43.6	183	Pg	12:59:06.96	0.46
			Sg	59:13.36	0.79
KECS	46.0	65	Pg	12:59:06.95	0.02
PENC	74.9	220	Pg	12:59:12.22	0.12
			Sg	59:21.58	-0.96
ABAH	97.7	91	Pg	12:59:16.27	0.09
			Sg	59:29.33	-0.46
BSZH	115.2	167	Sg	12:59:34.10	-1.25

733.

2024-05-20 time: 22:35:04.28 UTC ML= 0.7  
 lat: 45.855N lon: 18.883E h= 0.7 km  
 erh= 6.8km erz= 335km  
 nr= 7 gap=299 rms=0.33  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	43.9	335	PgD	22:35:11.91	-0.21
			Sg	35:18.51	0.27
MORH	44.2	335	PgD	22:35:12.02	-0.16

734.

2024-05-21 time: 6:25:05.05 UTC ML= 1.4  
 lat: 45.550N lon: 17.253E h= 7.4 km  
 erh= 3.8km erz= 1.6km  
 nr= 11 gap=216 rms=0.40  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MOSL	39.5	280	Pg	6:25:11.71	-0.52
			Sg	25:17.57	-0.27
PKSV	86.5	64	Sg	6:25:32.41	-0.22
KOVH	89.0	48	Pg	6:25:21.25	0.25
			Sg	25:33.33	-0.11
PTJ	108.1	291	Pg	6:25:24.71	0.32
KOGS	126.5	322	Sn	6:25:44.08	0.11
PKSM	130.5	56	Pn	6:25:27.92	0.50
			Sn	25:43.58	-1.29
MORH	131.0	56	Pn	6:25:27.74	0.27
			Sn	25:44.40	-0.56

735.

2024-05-21 time: 8:08:01.45 UTC ML= 1.8  
 lat: 46.846N lon: 17.325E h= 0.0 km  
 erh= 2.3km erz= 3.8km  
 nr= 17 gap=131 rms=1.08  
 Locality: Lesencefalva  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	39.6	24	Pg	8:08:09.35	0.83
			Sg	08:14.03	-0.01
TIH	43.7	82	Sg	8:08:16.28	0.93
PKST	70.8	50	Pg	8:08:15.11	1.01
			Sg	08:23.22	-0.75
CSKK	91.4	51	Sg	8:08:29.97	-0.53
KOGS	93.4	242	Pg	8:08:18.72	0.59
			Sg	08:30.24	-0.90
PKSG	101.1	53	Pg	8:08:20.16	0.65
			Sg	08:31.68	-1.92
KOVH	103.1	145	Pg	8:08:21.24	1.37
			Sg	08:34.20	-0.03
MORH	123.1	125	Sg	8:08:39.16	-1.41
PKSM	123.2	125	Sg	8:08:39.61	-0.99
SRO	131.0	35	Sn	8:08:40.60	-2.44
MOSL	143.9	198	Sn	8:08:44.11	-1.80
GROS	146.0	253	Sn	8:08:45.10	-1.27

736.

2024-05-21 time: 8:37:20.19 UTC ML= 1.1  
 lat: 47.175N lon: 18.265E h= 0.0 km  
 erh= 1.5km erz= 4.4km  
 nr= 9 gap=109 rms=0.59  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.8	298	Pg	8:37:24.04	0.31
			Sg	37:25.85	-0.65
PKSG	25.9	21	Pg	8:37:25.60	0.78
			Sg	37:28.08	-0.36
MPLH	55.0	269	Sg	8:37:37.23	-0.45
MORH	110.5	165	Sg	8:37:55.19	-0.11
PKSM	110.8	165	Sg	8:37:55.91	0.49
KOVH	121.4	186	Sg	8:37:58.43	-0.35
PSZ	147.9	56	Sn	8:38:03.92	-1.62

## Hypocenter Parameters

## Földrengés paraméterek

737.

---

2024-05-21 time: 9:11:34.25 UTC ML= 1.4  
 lat: 48.502N lon: 17.509E h= 0.0 km  
 erh= 1.5km erz= 2.8km  
 nr= 12 gap=205 rms=0.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	6.1	283	Pg	9:11:35.15		-0.19	
			Sg	11:36.23		0.04	
MODS	22.3	230	Pg	9:11:39.02		0.79	
			Sg	11:41.46		0.12	
JAVC	41.5	17	Pg	9:11:41.73		0.08	
			Sg	11:47.40		-0.03	
ZST	45.4	222	Sg	9:11:48.57		-0.12	
KRUC	102.9	307	Pg	9:11:52.89		0.27	
			Sg	12:06.94		-0.01	
VRAC	112.0	323	Sg	9:12:09.19		-0.67	
RONA	127.0	225	Sg	9:12:13.91		-0.69	
CONA	138.1	242	Sn	9:12:16.54		-0.87	

738.

---

2024-05-21 time: 9:59:20.98 UTC ML= 1.6  
 lat: 47.993N lon: 19.593E h= 0.0 km  
 erh= 7.0km erz= \*\*\*km  
 nr= 7 gap=177 rms=0.97  
 Locality: Hollókő  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	24.0	110	Pg	9:59:25.80		0.53	
			Sg	59:29.34		0.72	
PENC	32.4	226	Sg	9:59:32.37		1.10	
KECS	85.8	51	Sg	9:59:48.07		-0.19	
PKSG	112.3	233	Sg	9:59:54.87		-1.80	
ABAH	127.1	75	Pg	9:59:43.93		0.26	
			Sg	59:59.51		-1.87	

739.

---

2024-05-21 time: 10:40:25.89 UTC ML= 1.3  
 lat: 48.578N lon: 20.741E h= 0.0 km  
 erh= 5.5km erz= 8.9km  
 nr= 9 gap=126 rms=0.93  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	21.6	241	Pg	10:40:30.65		0.90	
			Sg	40:33.08		0.32	
ABAH	48.5	130	Pg	10:40:34.16		-0.39	
			Sg	40:41.27		-0.03	
PSZ	96.6	221	Pg	10:40:43.71		0.56	
			Sg	40:55.50		-1.11	
LANS	113.0	304	Sg	10:40:59.83		-1.98	
STZU	146.6	71	Pn	10:40:52.08		0.87	
			Sn	41:09.28		-1.67	

740.

---

2024-05-21 time: 11:32:01.62 UTC ML= 1.7  
 lat: 47.574N lon: 16.321E h= 0.0 km  
 erh= 2.0km erz= 820km  
 nr= 14 gap= 80 rms=0.70  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	14.1	352	PgU	11:32:04.82		0.68	
			Sg	32:05.56		-0.55	
SOP	21.6	56	Pg	11:32:05.81		0.33	

			Sg	32:08.30		-0.18
CONA	52.4	319	Pg	11:32:11.25		0.28
ARSA	70.1	239	Pg	11:32:14.63		0.48
			Sg	32:22.47		-1.45
EGYH	78.1	103	Sg	11:32:26.74		0.29
MPLH	102.4	116	Pg	11:32:20.76		0.85
			Sg	32:33.46		-0.71
MODS	114.0	39	Pg	11:32:21.48		-0.51
			Sg	32:35.80		-2.07
KOGS	125.3	182	Pg	11:32:24.04		0.05
			Sg	32:40.07		-1.37

741.

---

2024-05-22 time: 7:55:51.59 UTC ML= 1.1  
 lat: 46.184N lon: 18.281E h= 0.0 km  
 erh= 0.5km erz=93.2km  
 nr= 8 gap=210 rms=0.07  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.5	233	Pg	7:55:54.68		-0.05	
			Sg	55:57.31		0.14	
PKSM	28.0	84	PgU	7:55:56.62		0.02	
			Sg	56:00.44		-0.06	
MORH	28.3	83	PgU	7:55:56.60		-0.04	
			Sg	56:00.71		0.13	
PKSV	32.9	184	Pg	7:55:57.47		0.00	
			Sg	56:01.97		-0.08	

742.

---

2024-05-22 time: 8:56:50.88 UTC ML= 1.5  
 lat: 48.889N lon: 21.072E h= 0.0 km  
 erh= 2.3km erz= 4.9km  
 nr= 10 gap= 93 rms=0.68  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	60.0	12	Sg	8:57:09.67		-0.27	
KECS	62.5	224	Pg	8:57:02.72		0.68	
			Sg	57:10.29		-0.46	
ABAH	67.1	169	Sg	8:57:11.79		-0.43	
NIE	80.8	317	Sg	8:57:15.88		-0.70	
KOLS	88.2	87	Sg	8:57:18.90		-0.01	
STZU	114.4	83	Pg	8:57:11.55		0.23	
			Sg	57:26.64		-0.62	
PSZ	138.8	219	Pn	8:57:16.24		1.02	
			Sn	57:32.36		-1.85	

743.

---

2024-05-22 time: 9:22:06.69 UTC ML= 1.7  
 lat: 48.679N lon: 19.099E h= 0.0 km  
 erh= 2.6km erz= 3.6km  
 nr= 17 gap= 56 rms=1.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	59.0	27	Pg	9:22:17.89		0.66	
			Sg	22:25.09		-0.37	
ZBNS	60.7	327	Pg	9:22:18.45		0.92	
			Sg	22:27.98		2.00	
PENC	99.7	172	Sg	9:22:37.36		-1.01	
PSZ	103.1	145	Pg	9:22:26.72		1.62	
			Sg	22:38.96		-0.50	
KECS	104.6	102	Pg	9:22:26.37		1.00	
			Sg	22:38.62		-1.31	
JAVC	106.9	281	Pg	9:22:25.99		0.21	
			Sg	22:39.88		-0.80	
NIE	121.1	47	Sg	9:22:43.30		-1.87	
SMOL	124.6	262	Sg	9:22:44.20		-2.09	

## Földrengés paraméterek

## Hypocenter Parameters

MODS 138.8 256 Sn 9:22:47.80 -2.21  
 PKSG 152.5 200 Sn 9:22:52.67 -0.39  
 MORC 166.7 317 Sn 9:22:55.19 -1.01  
 OJC 178.7 16 Sn 9:22:59.33 0.45

744.

2024-05-22 time: 9:23:19.52 UTC ML= 1.6  
 lat: 48.675N lon: 21.507E h= 0.0 km  
 erh= 1.8km erz= 6.2km  
 nr= 15 gap= 93 rms=0.67  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	46.5	205	Pg	9:23:28.69			0.86
			Sg	23:35.31			1.00
KOLS	63.2	63	Pg	9:23:30.99			0.18
			Sg	23:40.31			0.69
HOLU	66.8	104	Sg	9:23:39.68			-1.07
KECS	78.3	254	Pg	9:23:32.92			-0.58
			Sg	23:42.52			-1.89
STHS	84.7	347	Pg	9:23:35.12			0.47
			Sg	23:45.98			-0.47
STZU	90.3	65	Pg	9:23:35.75			0.10
			Sg	23:47.73			-0.50
MUKU	90.5	106	Sg	9:23:47.15			-1.15
TRPA	97.5	128	Pg	9:23:37.28			0.34
			Sg	23:49.80			-0.72
PSZ	146.2	235	Pn	9:23:45.03			0.24

745.

2024-05-22 time: 12:23:37.08 UTC ML= 1.9  
 lat: 47.861N lon: 19.382E h= 0.0 km  
 erh= 2.7km erz= 2.6km  
 nr= 32 gap= 53 rms=1.33  
 Locality: Nógrádkövesd  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	10.8	224	Pg	12:23:40.40			1.38
			Sg	23:41.64			1.11
PSZ	38.9	80	Pg	12:23:45.54			1.52
			Sg	23:48.94			-0.49
BUD	49.8	213	Sg	12:23:51.28			-1.63
PKSG	90.9	235	Pg	12:23:54.07			0.75
			Sg	24:04.42			-1.57
BSZH	91.2	133	Sg	12:24:04.70			-1.38
PKS7	91.9	190	Pg	12:23:54.34			0.84
			Sg	24:05.78			-0.53
CSKK	100.8	237	Pg	12:23:55.60			0.51
			Sg	24:07.31			-1.83
KECS	107.4	50	Pg	12:23:55.88			-0.38
			Sg	24:09.11			-2.11
PKSN	113.2	161	Sg	12:24:12.35			-0.72
PKST	121.5	237	Pg	12:23:59.04			0.26
			Sg	24:13.63			-2.07
PKB1	127.7	200	Sg	12:24:15.50			-2.17
PKS6	140.8	174	Sn	12:24:20.27			-0.59
LANS	143.6	3	Sn	12:24:19.10			-2.37
PKB5	149.0	199	Sn	12:24:21.36			-1.31
PKS2	152.7	185	Sn	12:24:23.70			0.21
TIH	155.1	226	Sn	12:24:25.14			1.12
MPLH	158.6	241	Sn	12:24:24.06			-0.75
PKB3	160.4	185	Sn	12:24:25.86			0.67
EGYH	161.8	252	Sn	12:24:26.04			0.53
MODS	166.8	290	Sn	12:24:26.58			-0.04
JAVC	168.6	311	Sn	12:24:28.02			1.00
MORH	191.3	197	Pn	12:24:12.53			4.57
			Sn	24:32.16			0.11
PKSM	191.7	197	Pn	12:24:12.35			4.32
			Sn	24:32.34			0.18

746.

2024-05-22 time: 14:01:43.98 UTC ML= 1.8  
 lat: 47.419N lon: 18.364E h= 0.0 km  
 erh= 1.8km erz= 2.3km  
 nr= 24 gap= 77 rms=0.90  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	3.6	146	PgU	14:01:45.32			0.69
			Sg	01:45.65			0.51
CSKK	10.0	231	PgU	14:01:46.47			0.71
			Sg	01:47.81			0.66
PKST	30.6	234	Pg	14:01:49.97			0.53
			Sg	01:52.81			-0.90
BUD	50.3	82	Sg	14:02:00.13			0.17
MPLH	68.2	246	Sg	14:02:04.63			-1.03
PKS7	73.2	124	Sg	14:02:05.57			-1.66
PENC	80.4	59	Sg	14:02:09.69			0.15
PSZ	127.7	64	Pg	14:02:07.24			0.47
			Sg	02:23.54			-1.01
ZST	128.0	312	Sg	14:02:23.28			-1.39
MODS	133.7	323	Sn	14:02:25.06			-1.10
MORH	135.5	171	Pn	14:02:08.12			0.22
			Sn	02:23.00			-3.56
PKSM	135.9	171	Pn	14:02:08.48			0.53
			Sn	02:22.70			-3.95
SMOL	140.3	330	Sn	14:02:28.42			0.78
KOVH	149.3	188	Pn	14:02:09.63			0.00
			Sn	02:28.72			-0.91
JAVC	168.2	342	Sn	14:02:33.68			-0.15
PKSV	170.4	183	Pn	14:02:13.43			1.18
			Sn	02:32.70			-1.61

747.

2024-05-22 time: 17:08:56.84 UTC ML= 1.7  
 lat: 48.333N lon: 21.868E h= 10.0 km  
 erh= 1.2km erz= 1.3km  
 nr= 19 gap= 86 rms=0.48  
 Locality: Pácin  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ABAH	46.8	265	PgD	17:09:05.81			0.41
			Sg	09:11.98			-0.09
TRPA	54.7	114	Pg	17:09:06.76			-0.01
			Sg	09:14.10			-0.41
KOLS	73.1	24	Pg	17:09:10.49			0.47
			Sg	09:20.45			0.15
CEIR	85.8	147	Sg	17:09:24.08			-0.21
STZU	94.1	36	Pg	17:09:13.92			0.17
			Sg	09:26.17			-0.76
KECS	103.7	279	P*	17:09:14.81			-0.62
			S*	09:27.42			-2.52*
LTVH	105.4	179	P*	17:09:15.94			0.25
			S*	09:29.63			-0.77
MEZ	123.5	81	Pn	17:09:18.06			0.07
			Sn	09:33.55			-0.94
STHS	129.0	339	Pn	17:09:18.97			0.29
			Sn	09:35.53			-0.18
BMR	142.0	121	Sn	17:09:39.41			0.81
DRGR	182.7	160	Sn	17:09:49.23			1.59

748.

2024-05-22 time: 22:07:07.55 UTC ML= 0.5  
 lat: 47.223N lon: 17.490E h= 15.7 km  
 erh= 2.0km erz= 1.3km  
 nr= 7 gap=159 rms=0.23  
 Locality: Bakonypölöske  
 Comments:

## Hypocenter Parameters

## Földrenés paraméterek

sta	dist	azm	phase	hr mn sec	res
MPLH	6.9	147	Pg	22:07:10.54	-0.08
			Sg	07:13.30	0.29
EGYH	24.7	331	Pg	22:07:12.52	-0.26
			Sg	07:17.09	0.23
PKST	41.4	84	Pg	22:07:15.64	0.19
			Sg	07:21.17	-0.45
SOP	87.0	306	S*	22:07:35.28	0.14

749.

2024-05-23 time: 2:48:12.48 UTC ML= 1.5  
 lat: 45.886N lon: 16.034E h= 10.0 km  
 erh= 6.6km erz= 8.4km  
 nr= 13 gap=103 rms=1.72  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	5.6	199	PgD	2:48:14.47	-0.06
PTJ	6.1	285	PgU	2:48:14.06	-0.52
			Sg	48:15.13	-1.08
ZAG	7.0	206	PgD	2:48:14.66	0.00
			Sg	48:16.23	-0.14
GCIS	31.6	266	iSg	2:48:21.71	-1.32
GOLS	34.7	294	iSg	2:48:23.24	-0.71
GOLS	34.7	294	iSg	2:48:31.63	7.68
CRES	45.3	262	Pg	2:48:20.88	0.11
			Sg	48:26.00	-1.23
CESS	45.3	282	iSg	2:48:34.62	7.38
MOSL	63.7	118	Sg	2:48:33.17	0.20
KOGS	64.7	15	Sg	2:48:33.04	-0.26

750.

2024-05-23 time: 8:31:39.16 UTC ML= 1.3  
 lat: 47.946N lon: 16.062E h= 0.0 km  
 erh= 2.9km erz= 5.2km  
 nr= 10 gap=114 rms=0.80  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.1	262	Pg	8:31:42.37	0.51
			Sg	31:44.89	0.92
RONA	32.5	147	Pg	8:31:45.43	0.46
			Sg	31:49.12	-0.38
SOP	47.3	128	Sg	8:31:54.52	0.34
ARSA	87.3	208	Sg	8:32:05.69	-1.23
KRUC	126.5	11	Pg	8:32:02.00	0.25
			Sg	32:17.13	-2.23
VRAC	156.5	14	Pn	8:32:05.96	0.26
			Sn	32:24.87	-1.54

751.

2024-05-23 time: 10:01:38.96 UTC ML= 0.8  
 lat: 47.236N lon: 18.243E h= 0.0 km  
 erh= 4.5km erz= 564km  
 nr= 6 gap=247 rms=0.33  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.2	5	Pg	10:01:41.79	0.29
			Sg	01:43.28	-0.21
PKST	16.0	279	Pg	10:01:41.43	-0.40
			Sg	01:44.45	0.39
PKSG	20.6	33	Pg	10:01:42.87	0.23
			Sg	01:45.08	-0.44

752.

2024-05-23 time: 10:24:05.49 UTC ML= 1.5  
 lat: 48.376N lon: 19.859E h= 0.0 km  
 erh= 4.3km erz= \*\*\*km  
 nr= 8 gap=199 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.9	76	Pg	10:24:14.57	0.53
			Sg	24:20.74	0.03
PSZ	51.0	177	Pg	10:24:14.75	0.16
			Sg	24:20.92	-0.77
ABAH	102.7	95	Pg	10:24:24.53	0.69
			Sg	24:36.95	-1.20
NIE	120.7	16	Pg	10:24:27.05	0.01
			Sg	24:41.27	-2.58

753.

2024-05-23 time: 10:44:32.36 UTC ML= 1.7  
 lat: 48.469N lon: 21.785E h= 0.0 km  
 erh= 3.1km erz= 4.6km  
 nr= 13 gap=153 rms=0.92  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	44.7	245	Pg	10:44:41.22	0.87
			Sg	44:46.62	0.04
HOLU	44.7	82	Sg	10:44:45.65	-0.93
KOLS	62.9	35	Pg	10:44:44.41	0.82
			Sg	44:52.41	0.05
MUKU	66.7	91	Sg	10:44:52.20	-1.37
STZU	86.6	45	Pg	10:44:48.99	1.16
			Sg	44:59.25	-0.64
KECS	96.1	271	Pg	10:44:49.98	0.46
			Sg	45:01.86	-1.04
STHS	112.6	339	Sg	10:45:06.93	-1.23
NIE	151.0	314	Sn	10:45:17.64	-0.74
PSZ	153.3	246	Sn	10:45:17.08	-1.82

754.

2024-05-23 time: 13:00:06.29 UTC ML= 0.8  
 lat: 47.886N lon: 16.059E h= 0.0 km  
 erh= 5.4km erz= 8.1km  
 nr= 7 gap=125 rms=1.07  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.5	288	Pg	13:00:09.86	0.80
			Sg	00:11.48	0.26
RONA	27.3	139	Pg	13:00:11.66	0.50
			Sg	00:15.09	0.13
ARSA	81.3	210	Sg	13:00:30.53	-1.61
KRUC	133.1	11	Sn	13:00:45.25	-3.11
VRAC	163.0	14	Sn	13:00:55.29	0.29

755.

2024-05-24 time: 8:40:35.79 UTC ML= 1.4  
 lat: 48.587N lon: 20.756E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 8 gap=111 rms=0.90  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.1	240	Pg	8:40:40.37	0.46
			Sg	40:43.25	0.13
ABAH	48.3	132	Pg	8:40:44.15	-0.26



## Földrengés paraméterek

## Hypocenter Parameters

Sg 40:51.27 0.14  
 NIE 98.0 341 Pg 8:40:54.48 1.19  
 PSZ 98.1 221 Pg 8:40:53.38 0.07  
 Sg 41:05.18 -1.79  
 STHS 98.9 21 Sg 8:41:05.13 -2.10

756.

2024-05-24 time: 9:36:38.07 UTC ML= 1.8  
 lat: 47.311N lon: 18.455E h= 0.0 km  
 erh= 2.1km erz= 767km  
 nr= 11 gap=115 rms=0.61  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.2	332	PgU	9:36:40.16	0.27
			Sg	36:40.54	-0.77
CSKK	15.8	291	Pg	9:36:41.36	0.47
			Sg	36:42.85	-0.24
PKST	32.4	260	Pg	9:36:44.79	0.94
			Sg	36:47.94	-0.41
MPLH	71.1	257	Sg	9:37:00.91	0.25
EGYH	85.7	278	Sg	9:37:03.94	-1.36
MORH	122.6	173	Sg	9:37:16.58	-0.47
PKSM	123.0	173	Sg	9:37:16.58	-0.60
PSZ	127.5	58	Sg	9:37:18.47	-0.14

757.

2024-05-24 time: 12:37:49.44 UTC ML= 1.9  
 lat: 48.930N lon: 22.153E h= 0.0 km  
 erh= 2.7km erz= 4.9km  
 nr= 14 gap=142 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	8.8	88	PgU	12:37:50.95	-0.07
			Sg	37:52.43	0.18
STZU	35.7	74	PgU	12:37:56.30	0.48
			Sg	38:00.45	-0.35
HOLU	47.9	159	Sg	12:38:05.77	1.10
TRPA	93.4	162	Pg	12:38:06.74	0.63
			Sg	38:17.61	-1.51
ABAH	97.5	224	Pg	12:38:06.83	-0.02
			Sg	38:19.98	-0.44
MEZ	110.3	115	Pg	12:38:08.77	-0.37
KECS	132.4	248	Pn	12:38:12.37	-0.61
			Sn	38:29.04	-2.30
NIE	144.7	292	Pn	12:38:14.85	0.33
LANS	197.8	277	Pn	12:38:21.49	0.35

758.

2024-05-24 time: 15:27:44.81 UTC ML= 1.6  
 lat: 46.440N lon: 16.355E h= 12.7 km  
 erh= 1.1km erz= 0.8km  
 nr= 19 gap=119 rms=0.35  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	8.1	276	PgD	15:27:47.06	-0.44
			Sg	27:49.17	-0.43
BEHE	32.4	84	Pg	15:27:50.98	-0.05
			Sg	27:56.02	0.14
RCF6	32.7	249	Pg	15:27:51.23	0.16
			Sg	27:56.36	0.41
PTJ	67.4	207	Pg	15:27:57.22	0.16
			Sg	28:06.63	0.01
GOLS	73.9	230	iPg	15:27:58.42	0.23
GCIS	85.0	221	iPg	15:28:00.13	-0.02
MOSL	96.9	161	P*	15:28:02.19	0.08
			S*	28:15.21	-0.40

LEGS 97.0 236 iP\* 15:28:01.90 -0.22  
 CRES 97.4 225 P\* 15:28:02.59 0.41  
 S\* 28:14.83 -0.90  
 PERS 97.5 283 P\* 15:28:02.56 0.36  
 S\* 28:13.78 -1.98\*  
 ARSA 110.2 325 Pn 15:28:04.27 0.31  
 Sn 28:17.97 -0.93

759.

2024-05-25 time: 4:10:57.93 UTC ML= 0.1  
 lat: 47.399N lon: 18.413E h= 10.0 km  
 erh= 3.2km erz= 2.0km  
 nr= 6 gap=251 rms=0.22  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	1.9	245	PgD	4:10:59.74	-0.01
			Sg	11:00.99	-0.18
CSKK	12.2	251	Pg	4:11:01.04	0.29
			Sg	11:03.19	0.25
PKST	32.6	242	Pg	4:11:03.70	-0.32
SRO	46.7	351	Sg	4:11:13.10	-0.01

760.

2024-05-25 time: 5:58:52.60 UTC ML= 1.4  
 lat: 45.894N lon: 16.009E h= 10.0 km  
 erh= 1.5km erz= 1.8km  
 nr= 9 gap=123 rms=0.31  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.0	280	PgU	5:58:54.50	-0.02
			Sg	58:55.48	-0.54
ZAG	7.3	189	PgU	5:58:55.05	0.25
			Sg	58:56.70	0.18
CRES	43.5	260	Pg	5:59:00.69	0.12
			Sg	59:06.75	-0.04
RCF6	49.0	356	Sg	5:59:09.11	0.60
MOSL	65.8	118	Sg	5:59:13.39	-0.37
GROS	74.2	328	Sg	5:59:15.88	-0.53

761.

2024-05-25 time: 11:37:37.73 UTC ML= 1.3  
 lat: 46.564N lon: 22.242E h= 3.3 km  
 erh= 9.7km erz=10.4km  
 nr= 6 gap=210 rms=0.83  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	43.9	55	Pg	11:37:45.64	0.06
			Sg	37:50.80	-0.91
SURR	90.5	186	Sg	11:38:05.90	-0.63
BZS	115.9	205	PgU	11:37:59.72	1.28
			Sg	38:13.68	-0.91
VOIR	251.0	120	Sn	11:38:45.35	0.16

762.

2024-05-25 time: 13:42:34.36 UTC ML= 0.4  
 lat: 47.849N lon: 16.254E h= 17.5 km  
 erh= 0.9km erz= 0.7km  
 nr= 9 gap=117 rms=0.21  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.9	169	Pg	13:42:38.66	-0.05
			Sg	42:42.14	0.04

## Hypocenter Parameters

CONA 30.6 287 Pg 13:42:40.65 -0.02  
 Sg 42:45.81 0.23  
 WINA 31.8 335 Pg 13:42:41.05 0.21  
 Sg 42:45.15 -0.75  
 ARSA 86.3 220 S\* 13:43:01.22 -0.26  
 MODS 96.0 53 S\* 13:43:03.98 -0.13  
 KRUC 135.3 4 Sn 13:43:13.19 0.27

763.

2024-05-27 time: 6:33:26.61 UTC ML= 1.4  
 lat: 48.456N lon: 19.547E h= 0.0 km  
 erh= 3.3km erz= 7.2km  
 nr= 8 gap=161 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	65.1	157	Pg	6:33:38.66	0.43
			Sg	33:46.94	-0.36
KECS	69.5	87	Pg	6:33:39.98	0.97
			Sg	33:49.19	0.50
LANS	77.5	356	Sg	6:33:50.81	-0.42
ZBNS	100.5	319	Sg	6:33:58.75	0.19
NIE	120.9	28	Sg	6:34:03.31	-1.73
BSZH	139.4	157	Sn	6:34:07.34	-2.72

764.

2024-05-27 time: 8:25:28.95 UTC ML= 1.8  
 lat: 46.882N lon: 17.332E h= 0.0 km  
 erh= 3.8km erz= \*\*\*km  
 nr= 10 gap=163 rms=0.85  
 Locality: Lesenceistvánd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	35.7	26	Pg	8:25:35.85	0.53
			Sg	25:39.72	-0.58
TIH	42.8	87	Sg	8:25:43.27	0.73
BEHE	62.5	223	Sg	8:25:47.85	-0.97
PKST	67.8	52	Pg	8:25:41.95	0.89
			Sg	25:50.31	-0.20
CSKK	88.5	53	Sg	8:25:55.66	-1.40
PKSG	98.3	55	Sg	8:25:59.14	-1.05
KOVH	106.1	146	Pg	8:25:48.70	0.81
			Sg	26:01.54	-1.13

765.

2024-05-27 time: 8:56:31.87 UTC ML= 1.7  
 lat: 48.606N lon: 21.432E h= 0.0 km  
 erh= 2.5km erz= 4.4km  
 nr= 20 gap= 80 rms=1.13  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	37.3	202	Pg	8:56:39.43	0.89
			Sg	56:44.19	0.45
HOLU	70.8	97	Pg	8:56:45.27	0.75
			Sg	56:52.70	-1.68
KECS	71.2	259	Pg	8:56:45.20	0.61
			Sg	56:52.24	-2.27
KOLS	71.7	60	Sg	8:56:54.41	-0.26
STHS	91.2	351	Pg	8:56:49.42	1.27
			Sg	57:00.60	-0.25
TRPA	97.6	123	Pg	8:56:49.14	-0.17
			Sg	57:01.83	-1.08
STZU	98.6	62	Pg	8:56:49.76	0.28
			Sg	57:02.61	-0.61
NIE	121.9	318	Pg	8:56:53.79	0.15
			Sg	57:08.41	-2.21
PSZ	137.4	236	Pn	8:56:56.19	0.15
			Sn	57:10.81	-4.08

## Földrengés paraméterek

MEZ 154.0 94 Sn 8:57:17.16 -1.42  
 LANS 156.3 293 Pn 8:57:00.44 2.05  
 Sn 57:16.69 -2.39

766.

2024-05-27 time: 10:01:00.81 UTC ML= 1.5  
 lat: 48.194N lon: 16.839E h= 0.0 km  
 erh= 2.0km erz= 545km  
 nr= 8 gap=127 rms=0.41  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	19.6	89	Pg	10:01:04.28	-0.03
			Sg	01:05.94	-1.10
MODS	38.2	58	Pg	10:01:08.19	0.55
			Sg	01:12.36	-0.60
RONA	68.2	216	Pg	10:01:13.11	0.11
CONA	78.6	248	Pg	10:01:14.51	-0.33
KRUC	102.0	341	Sg	10:01:33.35	0.13
VRAC	125.3	352	Pg	10:01:23.47	0.29

767.

2024-05-27 time: 12:36:51.84 UTC ML= 1.3  
 lat: 48.872N lon: 20.663E h= 0.0 km  
 erh= 2.6km erz= 851km  
 nr= 11 gap=111 rms=0.69  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.1	197	Pg	12:37:00.51	0.61
			Sg	37:06.11	-0.08
NIE	66.0	337	Pg	12:37:04.38	0.76
			Sg	37:11.65	-1.16
STHS	73.9	35	Pg	12:37:05.62	0.58
			Sg	37:14.10	-1.24
ABAH	76.9	146	Pg	12:37:05.23	-0.33
			Sg	37:15.66	-0.61
LANS	92.8	290	Pg	12:37:08.50	0.10
PSZ	120.3	208	Pg	12:37:13.57	0.25
			Sg	37:28.22	-1.87

768.

2024-05-27 time: 13:41:28.71 UTC ML= 1.3  
 lat: 47.327N lon: 16.328E h= 0.0 km  
 erh= 2.4km erz= 5.1km  
 nr= 13 gap= 83 rms=1.07  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	41.5	357	Pg	13:41:37.09	0.98
			Sg	41:42.51	0.62
SOP	43.2	24	Pg	13:41:37.48	1.06
			Sg	41:42.51	0.07
ARSA	61.5	262	Sg	13:41:48.04	-0.21
CONA	75.5	332	Sg	13:41:51.29	-1.40
MPLH	93.4	101	Sg	13:41:57.52	-0.86
KOGS	97.9	183	Pg	13:41:47.08	0.89
			Sg	42:00.08	0.25
GROS	115.1	213	Sg	13:42:03.63	-1.65
PERS	120.0	230	Sg	13:42:06.03	-0.83
MODS	136.3	31	Sn	13:42:08.66	-2.82
KRUC	192.9	1	Sn	13:42:22.44	-1.61

## Földrengés paraméterek

## Hypocenter Parameters

769.

2024-05-27 time: 14:45:07.33 UTC ML= 0.9  
 lat: 45.773N lon: 18.792E h= 10.0 km  
 erh= 4.6km erz=18.3km  
 nr= 8 gap=300 rms=0.39  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	43.9	287	Pg	14:45:16.29			0.92
			Sg			45:21.48	-0.15
PKSM	50.2	347	Pg	14:45:16.42			-0.05
			Sg			45:23.72	0.13
MORH	50.5	347	Pg	14:45:16.49			-0.04
			Sg			45:23.68	-0.03
KOVH	64.1	303	Pg	14:45:18.57			-0.35
			Sg			45:27.52	-0.44

770.

2024-05-27 time: 19:11:15.54 UTC ML= 1.5  
 lat: 46.121N lon: 17.049E h= 13.3 km  
 erh= 1.7km erz= 1.6km  
 nr= 13 gap=114 rms=0.56  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	44.2	332	Sg	19:11:30.10			-0.11
MOSL	60.9	202	Pg	19:11:26.99			0.33
			Sg			11:35.86	0.52
KOGS	71.5	301	Sg	19:11:39.10			0.44
KOVH	81.3	93	Pg	19:11:30.47			0.22
			Sg			11:41.27	-0.46
RCF6	87.3	286	Sg	19:11:42.97			-0.64
PTJ	88.0	254	S*	19:11:42.20			-1.62
PKSV	96.7	105	S*	19:11:45.14			-1.03
PKSM	123.4	85	Sn	19:11:53.07			0.66
MORH	123.6	85	Pn	19:11:36.79			0.50
			Sn			11:52.10	-0.37
CRES	127.7	255	Sn	19:11:53.13			-0.24

771.

2024-05-27 time: 20:51:02.05 UTC ML= 1.1  
 lat: 45.901N lon: 16.002E h= 8.1 km  
 erh= 0.6km erz= 0.8km  
 nr= 12 gap=101 rms=0.18  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	3.4	269	Pg	20:51:03.52			-0.10
			Sg			51:04.53	-0.31
R971	7.0	175	PgU	20:51:04.03			0.07
			Sg			51:05.57	0.13
ZAG	8.0	185	Sg	20:51:05.73			0.07
CRES	43.1	259	Pg	20:51:10.08			0.19
			Sg			51:15.83	-0.17
RCF6	48.2	356	Sg	20:51:18.03			0.43
KOGS	63.8	17	Sg	20:51:22.46			-0.04
MOSL	66.7	119	Pg	20:51:14.14			0.10
			Sg			51:23.08	-0.32
GROS	73.3	328	Sg	20:51:25.26			-0.24

772.

2024-05-28 time: 7:08:22.93 UTC ML= 1.9  
 lat: 46.053N lon: 22.819E h= 0.0 km  
 erh= 2.3km erz= 4.7km  
 nr= 12 gap=117 rms=0.59  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	19.9	161	Pg	7:08:26.80			0.32
			Sg			08:28.61	-0.64
SURR	63.3	238	Pg	7:08:34.84			0.61
			Sg			08:42.58	-0.46
GZR	73.3	183	Pg	7:08:36.01			-0.01
			Sg			08:45.79	-0.45
DRGR	82.6	354	Pg	7:08:38.33			0.66
			Sg			08:47.92	-1.26
BZS	105.2	243	Pg	7:08:41.89			0.17
			Sg			08:55.04	-1.34
VOIR	186.6	112	Pn	7:08:53.61			0.39
			Sn			09:16.13	-0.73

773.

2024-05-28 time: 9:30:48.95 UTC ML= 0.9  
 lat: 47.226N lon: 18.249E h= 0.0 km  
 erh= 1.7km erz= 558km  
 nr= 10 gap=135 rms=0.44  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	15.3	3	Pg	9:30:51.98			0.30
			Sg			30:53.40	-0.40
PKST	16.6	283	Pg	9:30:52.05			0.12
			Sg			30:54.17	-0.07
PKSG	21.3	30	Pg	9:30:52.63			-0.13
			Sg			30:55.54	-0.19
MPLH	54.1	263	Pg	9:30:59.36			0.74
			Sg			31:05.40	-0.75
PKSM	116.7	165	Pg	9:31:09.70			-0.09
			Sg			31:24.48	-1.56

774.

2024-05-28 time: 9:40:53.84 UTC ML= 1.8  
 lat: 48.431N lon: 17.208E h= 0.0 km  
 erh= 1.7km erz= 3.1km  
 nr= 20 gap= 81 rms=0.73  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.2	141	PgU	9:40:55.36			0.06
			Sg			40:56.62	0.18
SMOL	18.7	60	Pg	9:40:57.00			-0.19
			Sg			40:59.89	0.09
ZST	27.2	197	Pg	9:40:58.67			-0.04
			Sg			41:01.88	-0.62
JAVC	58.6	36	Pg	9:41:04.74			0.44
			Sg			41:11.94	-0.52
KRUC	92.2	320	Pg	9:41:11.16			0.85
			Sg			41:21.92	-1.23
RONA	106.0	220	Pg	9:41:13.46			0.69
			Sg			41:25.60	-1.93
VRAC	107.5	335	Pg	9:41:13.55			0.51
			Sg			41:27.18	-0.83
CONA	114.7	241	Pg	9:41:14.64			0.32
			Sg			41:28.98	-1.31
ZBNS	131.2	53	Sn	9:41:34.65			-0.84
MORC	151.7	9	Pn	9:41:19.85			0.06
			Sn			41:38.48	-1.55
ARSA	182.0	224	Pn	9:41:25.42			1.85

775.

2024-05-28 time: 9:45:08.37 UTC ML= 1.1  
 lat: 46.064N lon: 18.057E h= 0.0 km  
 erh= 5.8km erz= 820km  
 nr= 8 gap=253 rms=0.61  
 Locality: Boda  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KOVH	4.3	51	Pg	9:45:09.53	0.40
			Sg	45:10.77	1.05
PKSV	24.7	142	Sg	9:45:15.73	-0.50
PKSM	48.0	70	Pg	9:45:16.97	0.02
			Sg	45:23.30	-0.34
MORH	48.4	70	Pg	9:45:17.20	0.19
			Sg	45:23.24	-0.52
PKB1	98.0	35	Sg	9:45:37.27	-2.24

776.

2024-05-28 time: 9:49:30.04 UTC ML= 1.7  
lat: 48.757N lon: 20.849E h= 0.0 km  
erh= 5.1km erz= \*\*\*km  
nr= 7 gap=179 rms=0.83  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	40.6	221	Pg	9:49:37.65	0.36
			Sg	49:42.68	-0.26
ABAH	58.8	151	Pg	9:49:41.06	0.51
			Sg	49:48.18	-0.56
NIE	83.4	332	Sg	9:49:55.43	-1.11
PSZ	117.1	217	Pg	9:49:51.74	0.79
			Sg	50:05.06	-2.20

777.

2024-05-28 time: 10:01:49.39 UTC ML= 1.5  
lat: 48.538N lon: 17.462E h= 0.0 km  
erh= 3.4km erz= 5.9km  
nr= 11 gap=192 rms=0.50  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.6	223	PgU	10:01:49.92	-0.12
			Sg	01:50.73	0.18
MODS	22.8	217	Pg	10:01:53.40	-0.06
			Sg	01:56.07	-0.57
JAVC	38.9	23	Pg	10:01:56.46	0.13
			Sg	02:01.53	-0.22
ZST	46.4	215	Pg	10:01:57.93	0.25
			Sg	02:03.54	-0.60
KRUC	97.7	307	Pg	10:02:06.56	-0.27
RONA	127.4	223	Pg	10:02:13.22	1.09
CONA	136.9	240	Sn	10:02:30.32	-1.97

778.

2024-05-28 time: 14:29:54.36 UTC ML= 1.9  
lat: 48.263N lon: 21.243E h= 0.0 km  
erh= 2.7km erz= 3.1km  
nr= 19 gap=103 rms=1.04  
Locality: Tállya  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	3.7	356	PgU	14:29:55.49	0.46
			Sg	29:56.15	0.60
KECS	61.2	294	Pg	14:30:05.82	0.53
			Sg	30:13.87	0.05
HOLU	89.5	71	Pg	14:30:10.89	0.55
			Sg	30:22.73	-0.07
TRPA	97.5	99	Pg	14:30:12.05	0.28
			Sg	30:23.58	-1.77
KOLS	106.5	46	Sg	14:30:27.93	-0.28
			Pg	14:30:14.02	0.46
PSZ	107.5	249	Sg	30:26.83	-1.70
			Sg	14:30:32.29	-2.87
STHS	128.4	0	Sg	14:30:32.29	-2.87
			Pn	14:30:17.68	-0.15
STZU	131.8	51	Pn	14:30:17.68	-0.15
			Sn	30:34.34	-1.79

## Földrengés paraméterek

NIE	145.6	332	Sn	14:30:37.67	-1.52
LANS	163.8	307	Sn	14:30:44.60	1.37
MEZ	170.5	81	Sn	14:30:45.59	0.86
DRGR	197.4	146	Pn	14:30:28.46	2.45
			Sn	30:48.73	-1.96

779.

2024-05-28 time: 16:15:59.50 UTC ML= 1.9  
lat: 45.568N lon: 16.055E h= 10.0 km  
erh= 3.8km erz= 2.6km  
nr= 17 gap=166 rms=1.04  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	29.4	351	Sg	16:16:08.93	-0.43
PTJ	37.6	348	Pg	16:16:06.16	-0.30
			Sg	16:10.65	-1.23
CRES	54.7	302	Pg	16:16:09.64	0.21
			Sg	16:16.67	-0.50
MOSL	54.8	85	Pg	16:16:09.76	0.31
			Sg	16:16.04	-1.18
RCF6	85.4	355	Sg	16:16:27.17	0.35
KOGS	99.0	9	Pg	16:16:18.23	0.96
			Sg	16:30.51	-0.61
GROS	108.1	337	Pn	16:16:19.20	0.47
			Sn	16:32.11	-1.62
BLY	127.2	136	Sn	16:16:35.67	-2.30
PERS	139.1	329	Sn	16:16:40.31	-0.30
KOVH	169.1	70	Sn	16:16:49.52	2.24
PKSV	174.7	78	Sn	16:16:51.15	2.62
ARSA	191.4	348	Sn	16:16:54.27	2.04
MORH	213.5	70	Sn	16:17:02.66	5.53*

780.

2024-05-29 time: 7:11:20.94 UTC ML= 1.2  
lat: 46.114N lon: 18.056E h= 0.0 km  
erh= 3.4km erz= 568km  
nr= 9 gap=255 rms=0.43  
Locality: Bükkösd  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	4.4	131	PgU	7:11:21.71	-0.03
			Sg	11:22.83	0.48
PKSV	29.3	149	Pg	7:11:25.77	-0.41
			Sg	11:30.38	0.11
PKSM	46.5	77	Pg	7:11:28.98	-0.26
			Sg	11:35.72	0.01
MORH	46.8	76	Pg	7:11:29.14	-0.15
			Sg	11:35.36	-0.45
PKB5	74.7	44	Pg	7:11:35.33	1.04

781.

2024-05-29 time: 7:16:32.73 UTC ML= 1.4  
lat: 45.879N lon: 16.049E h= 13.8 km  
erh= 1.9km erz= 2.0km  
nr= 16 gap= 94 rms=0.53  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
R971	5.5	213	Pg	7:16:35.57	0.19
			Sg	16:37.43	-0.01
ZAG	7.0	217	Pg	7:16:36.03	0.54
			Sg	16:38.35	0.71
PTJ	7.4	288	Pg	7:16:35.30	-0.22
			Sg	16:36.73	-0.97
CRES	46.3	263	Pg	7:16:41.75	0.39
			Sg	16:48.06	-0.03
RCF6	50.9	352	Pg	7:16:41.98	-0.17
			Sg	16:48.41	-1.09

## Földrengés paraméterek

MOSL 62.4 118 Pg 7:16:43.78 -0.36  
 Sg 16:52.29 -0.74  
 KOGS 65.1 14 Pg 7:16:45.36 0.74  
 Sg 16:54.53 0.64  
 GROS 77.2 327 Sg 7:16:56.74 -0.92  
 BEHE 86.4 41 S\* 7:17:00.36 -0.14

782.

2024-05-29 time: 7:19:01.38 UTC ML= 1.4  
 lat: 47.889N lon: 19.166E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 10 gap=185 rms=0.83  
 Locality: Felsőpetény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.9	142	Pg	7:19:04.41	0.55
			Sg	19:05.35	-0.46
PSZ	54.6	87	Pg	7:19:12.12	1.00
			Sg	19:17.40	-1.33
PKSG	80.3	227	Sg	7:19:26.40	-0.49
CSKK	89.7	229	Sg	7:19:29.41	-0.47
PKST	110.2	231	Pg	7:19:21.67	0.61
			Sg	19:35.28	-1.13
KECS	118.3	56	Pg	7:19:22.92	0.41
			Sg	19:37.32	-1.67

783.

2024-05-29 time: 7:38:46.42 UTC ML= 1.5  
 lat: 48.331N lon: 21.448E h= 0.0 km  
 erh= 4.5km erz= 617km  
 nr= 7 gap=255 rms=0.41  
 Locality: Komlóska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	16.0	256	Pg	7:38:49.50	0.23
			Sg	38:51.53	0.03
KECS	73.3	283	Pg	7:39:00.05	0.55
			Sg	39:09.35	-0.35
STHS	121.7	353	Pg	7:39:07.79	-0.35
			Sg	39:25.12	0.03
PSZ	124.5	248	Sg	7:39:25.06	-0.92

784.

2024-05-29 time: 7:45:29.33 UTC ML= 1.7  
 lat: 48.426N lon: 17.269E h= 0.0 km  
 erh= 1.7km erz= 525km  
 nr= 11 gap=124 rms=0.42  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.9	174	PgU	7:45:30.54	0.16
			Sg	45:31.97	0.78
SMOL	15.3	50	Pg	7:45:32.12	0.05
			Sg	45:34.02	-0.19
ZST	28.4	206	Pg	7:45:34.13	-0.27
			Sg	45:37.50	-0.86
JAVC	56.5	32	Pg	7:45:39.71	0.28
			Sg	45:46.66	-0.65
KRUC	95.6	318	Pg	7:45:46.63	0.23
			Sg	45:58.09	-1.62
VRAC	109.9	333	Pg	7:45:49.18	0.21

## Hypocenter Parameters

785.

2024-05-29 time: 8:30:23.98 UTC ML= 1.3  
 lat: 48.569N lon: 20.824E h= 0.0 km  
 erh= 3.4km erz= 7.1km  
 nr= 9 gap=129 rms=0.95  
 Locality: Hidvégdó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.8	249	Pg	8:30:29.30	0.54
			Sg	30:32.40	-0.09
ABAH	43.3	135	Pg	8:30:32.63	0.93
			Sg	30:38.51	0.78
STHS	99.1	18	Sg	8:30:55.77	0.29
PSZ	100.0	224	Pg	8:30:41.99	0.14
			Sg	30:53.91	-1.87
KOLS	114.0	69	Sg	8:30:58.71	-1.50
TRPA	136.2	111	Sn	8:31:04.82	-1.91

786.

2024-05-29 time: 9:31:06.69 UTC ML= 1.1  
 lat: 46.169N lon: 18.278E h= 0.0 km  
 erh= 3.8km erz= 916km  
 nr= 9 gap=153 rms=0.70  
 Locality: Mánfa  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	16.5	237	Pg	9:31:09.77	0.13
			Sg	31:11.71	-0.22
PKSM	28.4	80	Pg	9:31:12.25	0.49
			Sg	31:14.93	-0.79
MORH	28.7	80	Pg	9:31:12.56	0.75
			Sg	31:14.96	-0.85
PKSV	31.3	184	Pg	9:31:12.79	0.51
			Sg	31:15.82	-0.82
PKB1	78.9	30	Sg	9:31:30.02	-1.75

787.

2024-05-29 time: 10:06:04.06 UTC ML= 1.3  
 lat: 47.560N lon: 16.303E h= 0.0 km  
 erh= 2.2km erz= 3.7km  
 nr= 14 gap= 81 rms=0.92  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	15.6	358	PgU	10:06:07.64	0.80
			Sg	06:09.29	0.28
SOP	23.6	54	Pg	10:06:08.46	0.19
			Sg	06:11.04	-0.52
CONA	52.7	321	Pg	10:06:14.11	0.64
			Sg	06:20.34	-0.47
ARSA	68.2	240	Pg	10:06:17.36	1.13
			Sg	06:25.17	-0.56
MPLH	102.9	115	Sg	10:06:36.62	-0.16
MODS	116.1	39	Sg	10:06:38.21	-2.76
KOGS	123.6	182	Sg	10:06:42.16	-1.19
GROS	136.5	207	Sn	10:06:45.30	-1.57
KRUC	167.2	2	Pn	10:06:32.28	0.34
			Sn	06:51.53	-2.15

788.

2024-05-29 time: 12:39:19.35 UTC ML= 1.3  
 lat: 45.895N lon: 16.031E h= 10.0 km  
 erh= 1.3km erz= 1.5km  
 nr= 10 gap=126 rms=0.27  
 Locality: Croatia  
 Comments:

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PTJ	5.7	275	Pg	12:39:20.94	-0.46
			Sg	39:22.59	-0.41
R971	6.6	194	PgD	12:39:21.45	-0.04
ZAG	7.9	201	Pg	12:39:21.91	0.29
			Sg	39:23.96	0.56
CRES	45.2	260	Pg	12:39:27.75	0.13
			Sg	39:34.10	0.03
RCF6	49.0	354	Sg	12:39:35.41	0.17
MOSL	64.4	119	Pg	12:39:30.89	-0.10
			Sg	39:40.10	0.03

789.

2024-05-30 time: 1:22:10.42 UTC ML= 0.0  
 lat: 45.648N lon: 21.723E h= 11.1 km  
 erh= 5.0km erz= 3.1km  
 nr= 6 gap=178 rms=0.27  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	9.0	247	PgU	1:22:12.81	-0.16
			Sg	22:14.71	-0.26
SURR	33.4	69	Pg	1:22:17.07	0.37
			Sg	22:21.35	-0.25
TIM	40.4	284	Sg	1:22:24.03	0.30
DRGR	148.2	31	Sn	1:22:53.07	-0.24

790.

2024-05-30 time: 5:50:36.90 UTC ML= 1.6  
 lat: 48.183N lon: 21.260E h= 0.0 km  
 erh= 3.9km erz= 5.4km  
 nr= 15 gap=109 rms=1.18  
 Locality: Mád  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	12.6	353	PgU	5:50:40.60	1.44
			Sg	50:41.15	0.23
KECS	66.4	300	Pg	5:50:49.21	0.46
			Sg	50:56.57	-1.43
HOLU	91.7	65	Pg	5:50:53.67	0.40
			Sg	51:04.17	-1.87
TRPA	95.4	94	Pg	5:50:54.69	0.76
			Sg	51:06.35	-0.87
PSZ	106.0	254	Pg	5:50:56.97	1.15
			Sg	51:08.86	-1.72
KOLS	112.0	42	Sg	5:51:09.87	-2.64
BRIU	131.8	82	Pn	5:50:59.77	-0.60
STZU	136.7	47	Pn	5:51:02.28	1.30
			Sn	51:17.46	-2.30
DRGR	189.5	145	Pn	5:51:07.38	-0.18

791.

2024-05-30 time: 7:35:12.24 UTC ML= 1.3  
 lat: 48.675N lon: 21.409E h= 0.0 km  
 erh= 3.4km erz= \*\*\*km  
 nr= 9 gap=134 rms=0.81  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	44.0	197	Pg	7:35:21.07	0.98
			Sg	35:25.69	-0.53
KECS	71.4	253	Pg	7:35:24.84	-0.14
			Sg	35:33.90	-1.03
STHS	83.3	352	Sg	7:35:38.20	-0.53
TRPA	103.3	126	Pg	7:35:31.24	0.56
			Sg	35:43.06	-2.01
NIE	115.1	316	Pg	7:35:33.51	0.71
			Sg	35:48.09	-0.74

792.

2024-05-30 time: 8:12:44.21 UTC ML= 0.9  
 lat: 47.118N lon: 18.201E h= 0.0 km  
 erh= 5.3km erz= \*\*\*km  
 nr= 8 gap=160 rms=0.95  
 Locality: Ósi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.2	321	Pg	8:12:48.07	0.27
			Sg	12:50.16	-0.45
CSKK	27.6	9	Pg	8:12:50.75	1.61
			Sg	12:51.32	-1.66
PKSG	33.6	25	Pg	8:12:50.46	0.25
			Sg	12:53.83	-1.07
MORH	105.9	161	Sg	8:13:16.89	-0.96
PKSM	106.2	162	Sg	8:13:17.90	-0.06

793.

2024-05-30 time: 8:20:28.74 UTC ML= 1.6  
 lat: 48.591N lon: 20.768E h= 0.0 km  
 erh= 2.3km erz= 4.4km  
 nr= 12 gap=91 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.1	240	Pg	8:20:33.32	0.28
			Sg	20:36.67	0.27
ABAH	47.9	133	Pg	8:20:37.61	0.31
			Sg	20:43.73	-0.24
STHS	98.1	21	Pg	8:20:47.39	1.12
			Sg	20:58.74	-1.20
PSZ	99.1	221	Pg	8:20:47.00	0.57
			Sg	20:59.68	-0.55
LANS	113.9	303	Pg	8:20:49.05	-0.02
			Sg	21:03.20	-1.73
TRPA	140.9	111	Pn	8:20:53.26	-0.08
			Sn	21:10.79	-1.74

794.

2024-05-30 time: 9:30:03.65 UTC ML= 0.6  
 lat: 47.187N lon: 18.301E h= 0.0 km  
 erh= 3.2km erz= 909km  
 nr= 8 gap=150 rms=0.64  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.8	351	Pg	9:30:07.77	0.58
			Sg	30:08.93	-1.01
PKST	21.7	292	Pg	9:30:07.96	0.43
			Sg	30:09.87	-0.68
PKSG	23.7	17	Pg	9:30:08.50	0.61
			Sg	30:10.38	-0.82
MORH	111.1	166	Sg	9:30:38.16	-0.82
PKSM	111.5	166	Sg	9:30:39.02	-0.08

795.

2024-05-30 time: 14:01:31.63 UTC ML= 1.0  
 lat: 47.305N lon: 18.475E h= 0.0 km  
 erh= 1.9km erz= 257km  
 nr= 5 gap=191 rms=0.12  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.6	327	PgU	14:01:33.74	0.04
			Sg	01:35.22	-0.10
CSKK	17.5	292	Pg	14:01:34.90	0.15

## Földrengés paraméterek

## Hypocenter Parameters

Sg 01:37.03 -0.16  
 PKB1 62.7 157 Sg 14:01:51.42 -0.12

796.

2024-05-30 time: 15:42:54.44 UTC ML= 1.1  
 lat: 47.291N lon: 18.469E h= 0.0 km  
 erh= 1.9km erz= 254km  
 nr= 5 gap=202 rms=0.12  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	12.7	332	PgU	15:42:56.81	0.11
			Sg	42:58.26	-0.21
CSKK	17.7	297	Pg	15:42:57.67	0.07
			Sg	43:00.00	-0.06
PKSM	120.7	174	Sg	15:43:32.66	-0.13

797.

2024-05-30 time: 22:00:28.43 UTC ML= 0.7  
 lat: 47.982N lon: 16.455E h= 15.3 km  
 erh= 3.2km erz= 2.3km  
 nr= 10 gap=169 rms=0.42  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
WINA	31.7	296	Pg	22:00:34.96	0.25
			Sg	00:39.52	-0.10
RONA	33.5	201	Pg	22:00:35.03	0.02
			Sg	00:39.18	-0.96
SOP	34.1	167	Sg	22:00:40.24	-0.05
CONA	44.7	262	Pg	22:00:37.24	0.37
			Sg	00:43.32	-0.13
ABNA	107.7	315	Pn	22:00:47.57	0.63
			Sn	01:00.92	-0.47
KRUC	120.2	358	Sn	22:01:03.44	-0.71

798.

2024-05-31 time: 10:30:27.09 UTC ML= 1.6  
 lat: 47.831N lon: 21.398E h= 7.2 km  
 erh= 5.1km erz= 4.7km  
 nr= 12 gap=136 rms=1.16  
 Locality: Hajdúnánás  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	53.0	347	Pg	10:30:37.07	0.42
			Sg	30:43.47	-0.64
TRPA	91.5	69	Pg	10:30:43.50	0.02
			Sg	30:54.27	-1.98
KECS	99.3	317	Pg	10:30:45.42	0.54
			Sg	30:57.02	-1.73
PSZ	112.9	275	Pn	10:30:47.53	0.25
			Sn	31:01.77	-1.25
KOLS	138.6	28	Sn	10:31:09.38	0.65
DRGR	152.4	139	Pn	10:30:53.89	1.69
			Sn	31:08.83	-2.95
STZU	159.9	35	Sn	10:31:15.48	2.02

799.

2024-05-31 time: 11:48:02.70 UTC ML= 1.7  
 lat: 46.317N lon: 22.967E h= 0.8 km  
 erh= 3.7km erz= 3.1km  
 nr= 8 gap=206 rms=0.44  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DEV	48.5	186	Pg	11:48:11.34	-0.02

Sg 48:17.60 -0.51  
 DRGR 56.3 340 Pg 11:48:12.67 -0.09  
 Sg 48:20.27 -0.33  
 SURR 90.4 226 Pg 11:48:19.22 0.37  
 Sg 48:30.80 -0.64  
 BZS 130.5 233 Pn 11:48:26.73 0.83  
 Sn 48:43.63 -0.37

800.

2024-06-01 time: 3:31:47.69 UTC ML= 1.0  
 lat: 47.923N lon: 16.416E h= 10.0 km  
 erh= 3.4km erz= 3.2km  
 nr= 11 gap=159 rms=0.51  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	26.4	200	Pg	3:31:53.23	0.50
			Sg	31:56.56	-0.10
SOP	28.7	158	Sg	3:31:56.83	-0.52
WINA	32.8	309	Pg	3:31:54.07	0.26
			Sg	31:58.27	-0.31
CONA	41.4	271	Pg	3:31:55.42	0.12
			Sg	32:00.70	-0.54
ABNA	110.6	319	Pn	3:32:07.24	0.00
			Sn	32:19.74	-2.74
KRUC	126.7	359	Pn	3:32:09.79	0.55
			Sn	32:25.12	-0.93

801.

2024-06-02 time: 10:58:45.76 UTC ML= 1.5  
 lat: 45.948N lon: 16.001E h= 6.4 km  
 erh= 1.6km erz= 1.3km  
 nr= 6 gap=290 rms=0.09  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.3	212	PgU	10:58:47.29	-0.07
			Sg	58:48.72	0.10
ZAG	13.3	182	Pg	10:58:48.46	0.07
			Sg	58:50.21	-0.23
CRES	44.4	252	Pg	10:58:53.75	-0.01
			Sg	59:00.09	0.08

802.

2024-06-03 time: 2:41:24.12 UTC ML= 0.8  
 lat: 45.912N lon: 16.012E h= 5.7 km  
 erh= 0.3km erz= 0.3km  
 nr= 6 gap=283 rms=0.03  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.4	252	Pg	2:41:25.41	0.01
			Sg	41:26.39	-0.01
R971	8.3	181	PgD	2:41:25.93	0.01
ZAG	9.4	189	Pg	2:41:26.04	-0.04
			Sg	41:27.65	0.05
CRES	44.2	257	Sg	2:41:38.28	0.00

803.

2024-06-03 time: 5:39:54.71 UTC ML= 1.5  
 lat: 48.168N lon: 21.264E h= 0.0 km  
 erh= 3.0km erz= 6.7km  
 nr= 9 gap=162 rms=0.80  
 Locality: Mád  
 Comments: probably explosion

### Hypocenter Parameters

### Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
ABAH	14.4	353	Pg	5:39:58.32	1.04
			Sg	39:59.07	-0.21
KECS	67.6	301	Sg	5:40:15.55	-0.64
			Pg	5:40:11.72	0.05
TRPA	95.0	93	Sg	40:24.66	-0.24
			Sg	5:40:27.86	-0.49
PSZ	105.8	255	Sg	5:40:15.71	0.80
KOLS	113.1	41	Pg	40:29.56	-1.11
			Sg	5:40:35.64	-2.14

804.

2024-06-03 time: 7:04:34.56 UTC ML= 1.4  
 lat: 45.581N lon: 17.312E h= 0.0 km  
 erh= 4.0km erz= \*\*\*km  
 nr= 12 gap=121 rms=0.97  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MOSL	43.7	275	Pg	7:04:42.12	-0.24
			Sg	04:47.13	-1.32
PKSV	80.8	65	Pg	7:04:50.22	1.24
			Pg	7:04:50.45	1.03
KOVH	83.2	47	Sg	04:59.92	-1.10
			Sg	7:05:03.80	-0.33
BLY	93.0	186	Sg	7:04:54.40	0.69
BEHE	107.2	337	Pg	7:04:54.52	0.10
PTJ	111.2	289	Pg	7:04:56.81	-0.03
PKSM	124.7	56	Pg	05:11.84	-2.37
			Sg	05:11.35	-3.00
MORH	125.2	56	Pg	7:04:56.91	0.00
			Sg	05:11.35	-3.00

805.

2024-06-03 time: 7:23:52.77 UTC ML= 1.4  
 lat: 48.068N lon: 20.698E h= 0.0 km  
 erh= 3.1km erz= 5.4km  
 nr= 9 gap=167 rms=0.56  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.6	58	Pg	7:24:01.44	0.17
			Sg	24:07.64	-0.26
KECS	48.7	341	Pg	7:24:01.60	0.12
			Sg	24:07.95	-0.32
PSZ	62.2	254	Pg	7:24:04.38	0.49
			Sg	24:12.44	-0.11
PENC	110.2	254	Sg	7:24:26.48	-1.33
TRPA	137.3	87	Pn	7:24:17.42	0.49
			Sn	24:33.84	-1.94

806.

2024-06-03 time: 8:33:16.26 UTC ML= 1.1  
 lat: 48.518N lon: 17.491E h= 0.0 km  
 erh= 2.5km erz= 373km  
 nr= 6 gap=205 rms=0.25  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.7	264	Pg	8:33:16.87	-0.22
			Sg	33:17.73	-0.01
MODS	22.5	225	Pg	8:33:20.47	0.18
			Sg	33:23.45	0.02
JAVC	40.2	19	Pg	8:33:23.68	0.25
			Sg	33:28.42	-0.61

807.

2024-06-03 time: 8:53:49.63 UTC ML= 1.6  
 lat: 48.856N lon: 21.290E h= 0.0 km  
 erh= 3.4km erz= 7.0km  
 nr= 9 gap=121 rms=0.98  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	62.4	357	Pg	8:54:01.97	1.19
			Sg	54:08.31	-1.16
KECS	72.3	235	Pg	8:54:02.83	0.28
			Sg	54:11.99	-0.63
KOLS	72.6	83	Pg	8:54:03.46	0.86
			Sg	54:12.38	-0.34
HOLU	88.5	114	Sg	8:54:16.13	-1.64
STZU	99.3	80	Pg	8:54:07.68	0.31
LANS	137.3	284	Sn	8:54:30.53	-2.09

808.

2024-06-03 time: 9:15:41.72 UTC ML= 2.0  
 lat: 48.909N lon: 20.513E h= 0.0 km  
 erh= 2.5km erz= 3.6km  
 nr= 18 gap= 73 rms=1.00  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.4	182	Pg	9:15:50.44	0.26
			Sg	15:56.10	-0.69
NIE	58.5	346	Pg	9:15:52.30	0.13
			Sg	15:59.04	-1.28
STHS	77.6	43	Pg	9:15:56.25	0.67
			Sg	16:05.39	-1.00
LANS	81.0	289	Pg	9:15:56.44	0.25
			Sg	16:06.82	-0.65
ABAH	86.7	142	Pg	9:15:57.18	-0.02
			Sg	16:08.89	-0.39
PSZ	119.3	203	Pg	9:16:03.14	0.11
			Sg	16:17.41	-2.24
KOLS	129.0	89	Pg	9:16:05.56	0.81
PENC	154.3	216	Sn	9:16:27.62	-0.86
STZU	154.9	86	Pn	9:16:09.56	1.49
			Sn	16:26.10	-2.53
TRPA	172.9	120	Pn	9:16:11.71	1.40
			Sn	16:30.61	-2.00

809.

2024-06-03 time: 9:37:15.76 UTC ML= 1.3  
 lat: 47.339N lon: 17.611E h= 0.0 km  
 erh= 1.2km erz= 331km  
 nr= 8 gap=113 rms=0.24  
 Locality: Béb  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	19.5	196	Pg	9:37:19.54	0.29
			Sg	37:21.87	-0.10
EGYH	22.8	292	Sg	9:37:22.64	-0.37
PKST	33.2	106	Pg	9:37:21.65	-0.04
			Sg	37:24.48	-1.84
CSKK	49.1	87	Pg	9:37:24.40	-0.14
PKSG	59.2	84	Pg	9:37:26.38	0.05
SRO	74.7	45	Pg	9:37:29.24	0.15



## Földrengés paraméterek

## Hypocenter Parameters

810.

2024-06-03 time: 10:00:21.92 UTC ML= 1.7  
 lat: 48.176N lon: 16.844E h= 0.0 km  
 erh= 3.2km erz= 7.4km  
 nr= 11 gap=134 rms=0.75  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	19.4	83	Pg	10:00:25.06	-0.32
			Sg	00:27.26	-0.81
MODS	39.0	56	Pg	10:00:29.06	0.18
			Sg	00:33.44	-0.87
SMOL	57.4	49	Sg	10:00:39.62	-0.53
RONA	66.9	218	Pg	10:00:33.56	-0.31
CONA	78.2	249	Pg	10:00:36.26	0.37
			Sg	00:45.94	-0.85
JAVC	97.5	39	Pg	10:00:41.23	1.90
KRUC	103.9	341	Sg	10:00:54.45	-0.50
ARSA	142.9	224	Pn	10:00:47.45	0.68

811.

2024-06-03 time: 10:43:59.42 UTC ML= 2.0  
 lat: 48.528N lon: 22.899E h= 0.0 km  
 erh= 1.9km erz= 2.9km  
 nr= 19 gap=112 rms=0.84  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
HOLU	38.1	270	Pg	10:44:06.99	0.77
			Sg	44:12.39	0.87
MEZ	45.4	92	Pg	10:44:07.87	0.34
			Sg	44:13.43	-0.43
TRPA	51.6	211	Pg	10:44:09.29	0.65
			Sg	44:16.80	0.97
STZU	58.0	339	Pg	10:44:10.12	0.35
			Sg	44:18.13	0.28
KOLS	64.5	314	Pg	10:44:11.37	0.44
			Sg	44:18.37	-1.54
BMR	105.0	155	Pg	10:44:18.83	0.67
			Sg	44:30.81	-1.97
ABAH	125.6	258	Pg	10:44:21.43	-0.41
			Sg	44:37.38	-1.95
STHS	156.4	309	Pn	10:44:25.34	-0.62
KECS	178.4	268	Sn	10:44:50.25	-1.29
BORR	180.3	208	Sn	10:44:50.88	-1.08
DRGR	193.5	184	Pn	10:44:30.26	-0.32
			Sn	44:53.11	-1.78

812.

2024-06-03 time: 11:02:43.52 UTC ML= 1.3  
 lat: 45.825N lon: 18.384E h= 0.0 km  
 erh= 3.3km erz= 682km  
 nr= 11 gap=235 rms=0.57  
 Locality: Kistapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	12.4	305	Pg	11:02:46.09	0.35
			Sg	02:47.62	0.14
KOVH	36.7	323	PgU	11:02:50.38	0.31
			Sg	02:54.07	-1.10
PKSM	47.4	25	Pg	11:02:51.88	-0.11
			Sg	02:57.75	-0.85
MORH	47.9	25	Pg	11:02:52.27	0.19
			Sg	02:58.18	-0.58
PKB1	111.2	16	Pg	11:03:04.19	0.81
MOSL	129.0	260	Pg	11:03:06.47	-0.09
			Sg	03:22.30	-2.23

813.

2024-06-04 time: 7:58:33.85 UTC ML= 1.3  
 lat: 48.579N lon: 20.746E h= 0.0 km  
 erh= 2.6km erz= 819km  
 nr= 9 gap=109 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.0	241	Pg	7:58:38.25	0.48
			Sg	58:41.06	0.22
ABAH	48.3	131	Pg	7:58:42.59	0.12
			Sg	58:48.07	-1.12
PSZ	97.0	221	Pg	7:58:51.51	0.35
			Sg	59:03.64	-1.03
STHS	100.0	21	Pg	7:58:52.26	0.56
LANS	113.2	304	Pg	7:58:53.90	-0.17
			Sg	59:08.22	-1.62

814.

2024-06-04 time: 8:11:08.50 UTC ML= 1.9  
 lat: 48.398N lon: 17.204E h= 0.0 km  
 erh= 1.5km erz= 2.2km  
 nr= 23 gap=79 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.1	116	Pg	8:11:10.27	0.68
			Sg	11:11.06	0.62
SMOL	21.0	52	Pg	8:11:12.39	0.13
			Sg	11:14.48	-0.71
ZST	23.7	199	Pg	8:11:13.40	0.67
			Sg	11:16.52	0.50
JAVC	61.8	34	Pg	8:11:19.98	0.45
			Sg	11:28.27	0.14
SOP	92.9	211	Sg	8:11:36.40	-1.63
KRUC	94.8	321	Pg	8:11:26.15	0.72
			Sg	11:37.73	-0.91
RONA	103.0	221	Pg	8:11:27.12	0.23
VRAC	110.7	336	Pg	8:11:28.34	0.07
			Sg	11:42.81	-0.88
CONA	112.7	242	Pg	8:11:29.71	1.09
			Sg	11:42.97	-1.35
PKST	141.1	154	Pn	8:11:32.49	-0.64
			Sn	11:50.10	-2.24
PKSG	142.8	142	Pn	8:11:32.77	-0.57
MORC	155.3	9	Pn	8:11:34.35	-0.55
			Sn	11:54.00	-1.49
ARSA	179.2	225	Sn	8:12:00.11	-0.69
KRLC	189.1	351	Sn	8:12:04.01	1.03

815.

2024-06-04 time: 8:29:01.59 UTC ML= 1.4  
 lat: 48.092N lon: 20.709E h= 0.0 km  
 erh= 3.6km erz= 753km  
 nr= 5 gap=192 rms=0.34  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.4	60	Pg	8:29:09.75	0.05
			Sg	29:15.70	-0.33
KECS	46.5	339	Sg	8:29:16.46	0.09
PSZ	63.8	252	Pg	8:29:13.35	0.36
			Sg	29:21.18	-0.70

## Hypocenter Parameters

## Földrengés paraméterek

816.

2024-06-04 time: 9:13:07.87 UTC ML= 2.0  
 lat: 47.329N lon: 18.411E h= 0.0 km  
 erh= 2.5km erz= 4.7km  
 nr= 14 gap=112 rms=0.93  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.2	348	PgU	9:13:09.51			0.36
			Sg		13:09.96		-0.18
CSKK	12.0	289	PgU	9:13:10.73			0.72
			Sg		13:11.22		-0.46
PKST	29.5	255	Pg	9:13:13.86			0.72
			Sg		13:16.74		-0.51
MPLH	68.3	255	Sg	9:13:28.15			-1.42
MORH	125.0	172	Sg	9:13:46.50			-1.11
PKSM	125.4	172	Pg	9:13:31.51			1.24
			Sg		13:46.42		-1.32
PSZ	129.4	60	Pg	9:13:31.55			0.58
			Sg		13:46.66		-2.33
KOVH	139.9	190	Sn	9:13:51.39			-0.06
JAVC	178.9	342	Sn	9:13:58.51			-1.58

817.

2024-06-04 time: 13:14:04.27 UTC ML= 1.8  
 lat: 47.339N lon: 18.423E h= 0.0 km  
 erh= 1.7km erz= 4.0km  
 nr= 17 gap= 93 rms=0.85  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	6.3	337	PgU	13:14:05.91			0.51
			Sg		14:06.16		-0.13
CSKK	12.5	282	PgU	13:14:07.00			0.49
			Sg		14:07.90		-0.36
PKST	30.7	253	Pg	13:14:10.20			0.44
			Sg		14:13.30		-0.73
BUD	48.1	71	Sg	13:14:19.57			0.00
PENC	81.8	52	Sg	13:14:29.45			-0.83
PKB5	86.1	164	Sg	13:14:31.80			0.16
MORH	126.0	172	Pg	13:14:27.93			1.15
			Sg		14:43.04		-1.29
PKSM	126.4	172	Pg	13:14:27.38			0.53
			Sg		14:42.89		-1.57
PSZ	128.0	60	Pg	13:14:27.94			0.81
			Sg		14:43.20		-1.76
KOVH	141.2	190	Sn	13:14:47.27			-0.87
MODS	143.4	323	Sn	13:14:46.40			-2.23

818.

2024-06-04 time: 21:27:19.76 UTC ML= 1.7  
 lat: 47.347N lon: 19.743E h= 4.0 km  
 erh= 1.4km erz= 1.4km  
 nr= 28 gap= 97 rms=0.59  
 Locality: Tápióbitske  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	39.9	98	Pg	21:27:26.46			-0.47
			Sg		27:32.17		-0.35
PKS7	55.3	233	Pg	21:27:30.35			0.69
			Sg		27:38.49		1.11
PSZ	64.5	10	Pg	21:27:31.49			0.18
			Sg		27:39.90		-0.41
PKB2	83.9	207	Pg	21:27:35.06			0.29
			Sg		27:46.20		-0.27
PKS6	84.2	189	Pg	21:27:35.42			0.61
PKB1	95.6	229	Pg	21:27:36.86			0.02
			Sg		27:49.69		-0.47
PKSG	102.3	273	Sg	21:27:52.29			-0.01

PKS2	103.3	203	Pg	21:27:38.24			0.02
			Sg		27:51.52		-1.09
PKB3	110.8	202	Sg	21:27:53.43			-1.58
CSKK	112.0	271	Sg	21:27:54.38			-1.02
PKB5	113.4	223	Pg	21:27:39.95			-0.08
			Sg		27:54.47		-1.37
AMBH	133.8	146	Pn	21:27:42.98			0.01
KECS	138.0	24	Sn	21:28:00.90			-1.10
PKS9	139.9	233	Pn	21:27:44.60			0.88
			Sn		28:02.69		0.27
MORH	151.2	214	Pn	21:27:45.19			0.05
			Sn		28:04.38		-0.55
PKSM	151.7	214	Pn	21:27:45.64			0.44
			Sn		28:04.33		-0.71
ABAH	153.9	47	Pn	21:27:46.37			0.89
			Sn		28:05.24		-0.30

819.

2024-06-05 time: 8:24:30.68 UTC ML= 1.4  
 lat: 47.972N lon: 16.072E h= 0.0 km  
 erh= 1.7km erz= 3.3km  
 nr= 11 gap=118 rms=0.48  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.4	253	Pg	8:24:33.74			0.13
			Sg		24:36.05		0.16
RONA	34.6	151	PgU	8:24:36.79			-0.07
			Sg		24:41.21		-0.47
SOP	48.6	131	Pg	8:24:39.49			0.14
			Sg		24:45.87		-0.24
MODS	100.2	64	Pg	8:24:49.59			1.02
KRUC	123.5	11	Pg	8:24:52.64			-0.10
			Sg		25:08.60		-1.35
VRAC	153.5	15	Pn	8:24:56.75			-0.10
			Sn		25:16.39		-0.88

820.

2024-06-05 time: 8:42:31.88 UTC ML= 1.9  
 lat: 46.816N lon: 17.380E h= 0.0 km  
 erh= 3.6km erz= 770km  
 nr= 9 gap=232 rms=0.59  
 Locality: Nemesvita  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	40.2	77	Sg	8:42:45.56			0.89
MPLH	41.2	17	Pg	8:42:38.60			-0.64
			Sg		42:45.18		0.20
PKST	70.0	45	Pg	8:42:45.09			0.71
			Sg		42:54.48		0.35
CSKK	90.4	48	Sg	8:43:00.43			-0.19
KOVH	98.0	146	Sg	8:43:02.78			-0.26
PKSG	99.9	50	Sg	8:43:02.62			-1.03
PKSM	117.8	125	Sg	8:43:09.19			-0.15

821.

2024-06-05 time: 8:48:14.20 UTC ML= 1.8  
 lat: 48.088N lon: 19.561E h= 0.0 km  
 erh= 4.0km erz= 689km  
 nr= 5 gap=205 rms=0.32  
 Locality: Magyaréc  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	31.2	127	Pg	8:48:20.01			0.24
			Sg		48:23.93		-0.18
PENC	39.1	212	Sg	8:48:26.43			-0.19
KECS	81.5	57	Sg	8:48:39.58			-0.52
ABAH	126.9	79	Sg	8:48:54.99			0.45

## Földrengés paraméterek

## Hypocenter Parameters

822.

2024-06-05 time: 8:56:17.30 UTC ML= 1.8  
 lat: 46.819N lon: 17.417E h= 0.0 km  
 erh= 4.5km erz= 998km  
 nr= 10 gap=226 rms=0.78  
 Locality: Hegymagas  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	37.4	76	Sg	8:56:31.62	2.42
MPLH	40.1	13	Pg	8:56:24.11	-0.36
			Sg	56:29.33	-0.73
PKST	67.8	44	Pg	8:56:30.34	0.93
			Sg	56:39.34	0.49
CSKK	88.1	47	Sg	8:56:45.00	-0.31
KOVH	96.7	147	Sg	8:56:48.01	-0.04
PKSG	97.6	49	Sg	8:56:47.46	-0.86
MORH	115.6	125	Sg	8:56:53.49	-0.57
PKSM	115.7	126	Sg	8:56:53.65	-0.44

823.

2024-06-05 time: 9:13:24.46 UTC ML= 1.4  
 lat: 47.605N lon: 18.437E h= 0.0 km  
 erh= 7.6km erz= 4.4km  
 nr= 8 gap=214 rms=0.80  
 Locality: Vértestolna  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	24.0	188	Pg	9:13:29.40	0.66
			Sg	13:32.06	-0.03
CSKK	30.1	206	Pg	9:13:30.58	0.76
			Sg	13:34.33	0.32
PKST	49.1	218	Sg	9:13:38.72	-1.34
PSZ	114.6	72	Sg	9:14:00.71	-0.19
MORH	155.3	174	Sn	9:14:10.18	-1.26
PKSM	155.7	174	Sn	9:14:10.26	-1.28

824.

2024-06-05 time: 9:18:17.10 UTC ML= 1.6  
 lat: 48.585N lon: 20.777E h= 0.0 km  
 erh= 2.1km erz= 4.6km  
 nr= 12 gap= 88 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.3	242	Pg	9:18:21.74	0.29
			Sg	18:24.87	0.04
ABAH	46.9	133	Pg	9:18:25.97	0.49
			Sg	18:31.92	-0.10
STHS	98.6	20	Pg	9:18:36.22	1.51
			Sg	18:48.12	-0.32
NIE	98.7	340	Sg	9:18:48.14	-0.35
PSZ	99.0	221	Sg	9:18:48.66	0.10
LANS	114.8	303	Pg	9:18:37.17	-0.43
KOLS	116.6	71	Sg	9:18:52.60	-1.57
TRPA	140.0	111	Pn	9:18:41.33	-0.26
			Sn	18:58.86	-1.84

825.

2024-06-05 time: 9:28:19.54 UTC ML= 1.3  
 lat: 48.707N lon: 20.033E h= 0.0 km  
 erh= 4.1km erz= 990km  
 nr= 7 gap=133 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	41.7	127	Pg	9:28:27.49	0.51

			Sg	28:31.87	-0.91
LANS	64.4	320	Pg	9:28:30.78	-0.26
			Sg	28:38.99	-1.02
NIE	81.8	15	Pg	9:28:35.09	0.95
PSZ	88.3	187	Pg	9:28:35.64	0.34
			Sg	28:46.25	-1.35

826.

2024-06-05 time: 9:50:07.56 UTC ML= 0.9  
 lat: 47.238N lon: 18.290E h= 0.0 km  
 erh= 2.1km erz= 553km  
 nr= 9 gap=143 rms=0.44  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.1	351	Pg	9:50:10.27	0.19
			Sg	50:12.07	0.03
PKSG	18.7	24	Pg	9:50:10.90	0.00
			Sg	50:13.32	-0.19
PKST	19.5	277	Pg	9:50:10.66	-0.38
			Sg	50:13.21	-0.54
MPLH	57.4	262	Pg	9:50:18.41	0.61
			Sg	50:26.32	0.53
MORH	116.8	167	Sg	9:50:43.49	-1.19

827.

2024-06-05 time: 9:56:28.38 UTC ML= 1.7  
 lat: 48.508N lon: 17.492E h= 0.0 km  
 erh= 1.4km erz= 300km  
 nr= 9 gap=201 rms=0.23  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.7	278	PgU	9:56:29.09	-0.14
			Sg	56:29.87	-0.02
MODS	21.8	227	Pg	9:56:32.61	0.33
			Sg	56:35.27	-0.05
JAVC	41.2	19	Pg	9:56:35.43	-0.31
			Sg	56:41.52	0.04
ZST	45.1	220	Pg	9:56:36.62	0.18
			Sg	56:42.26	-0.47
KRUC	101.4	307	Pg	9:56:46.64	0.14

828.

2024-06-05 time: 11:02:16.74 UTC ML= 1.7  
 lat: 46.527N lon: 22.551E h= 0.0 km  
 erh= 5.3km erz= 7.5km  
 nr= 10 gap=144 rms=1.06  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	31.9	23	Pg	11:02:23.06	0.62
			Sg	02:27.42	0.54
CJR	82.9	76	Sg	11:02:42.83	-0.25
SURR	92.0	201	Pg	11:02:34.61	1.44
			Sg	02:45.45	-0.54
BZS	124.3	216	Pg	11:02:38.56	-0.39
			Sg	02:54.51	-1.75
GZR	127.2	172	Pg	11:02:39.90	0.44
			Sg	02:53.24	-3.94
TRPA	178.3	360	Sn	11:03:07.80	-1.02

## Hypocenter Parameters

## Földrengés paraméterek

829.

2024-06-06 time: 1:12:25.54 UTC ML= 1.1  
 lat: 46.494N lon: 16.017E h= 17.5 km  
 erh= 4.6km erz= 1.5km  
 nr= 6 gap=242 rms=0.36  
 Locality: Slovenia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RCF6	18.4	194	Sg	1:12:33.33	-0.29
KOGS	18.7	106	Pg	1:12:30.56	0.45
			Sg	12:33.72	0.04
BEHE	58.3	93	Sg	1:12:44.23	-0.67
PTJ	66.2	184	S*	1:12:47.12	-0.10
CRES	85.9	210	S*	1:12:52.62	0.05

830.

2024-06-06 time: 7:22:23.31 UTC ML= 1.5  
 lat: 48.791N lon: 19.295E h= 0.0 km  
 erh= 3.5km erz= 4.6km  
 nr= 11 gap=153 rms=0.88  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	41.9	18	Pg	7:22:31.61	0.81
			Sg	22:37.05	0.41
ZBNS	61.2	309	Sg	7:22:41.63	-1.13
KECS	94.2	111	Sg	7:22:52.04	-1.20
NIE	102.0	47	Pg	7:22:41.94	0.42
			Sg	22:54.10	-1.63
PSZ	106.7	155	Pg	7:22:42.36	-0.01
			Sg	22:57.16	-0.07
ABAH	153.7	111	Sn	7:23:08.46	-1.49
STHS	158.4	64	Pn	7:22:50.67	0.58
			Sn	23:12.74	1.76

831.

2024-06-06 time: 7:51:10.80 UTC ML= 1.5  
 lat: 47.343N lon: 18.383E h= 0.0 km  
 erh= 5.8km erz= 645km  
 nr= 5 gap=245 rms=0.29  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.4	6	PgU	7:51:11.75	-0.02
			Sg	51:12.21	-0.31
CSKK	9.6	283	Pg	7:51:12.88	0.37
			Sg	51:13.89	0.05
PKST	28.0	250	Sg	7:51:19.23	-0.48

832.

2024-06-06 time: 8:09:38.50 UTC ML= 1.6  
 lat: 48.192N lon: 16.968E h= 0.0 km  
 erh= 2.9km erz= 6.0km  
 nr= 10 gap=135 rms=0.67  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	10.1	88	PgU	8:09:40.08	-0.22
			Sg	09:41.24	-0.46
MODS	30.6	49	Pg	8:09:43.87	-0.09
			Sg	09:47.62	-0.60
RONA	74.3	222	Pg	8:09:51.46	-0.30
JAVC	90.5	35	Pg	8:09:57.00	2.33
KRUC	105.5	336	Pg	8:09:57.40	0.06
			Sg	10:11.84	-0.19
VRAC	127.1	348	Pg	8:10:01.05	-0.15

MORC 181.2 13 Sn 8:10:31.70 0.47

833.

2024-06-06 time: 8:12:01.99 UTC ML= 1.4  
 lat: 48.801N lon: 20.788E h= 0.0 km  
 erh= 9.4km erz= \*\*\*km  
 nr= 5 gap=176 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	41.8	212	Pg	8:12:10.81	1.36
			Sg	12:14.63	-0.64
ABAH	65.3	149	Sg	8:12:22.40	-0.33
NIE	77.0	333	Pg	8:12:15.40	-0.33
PSZ	118.4	214	Sg	8:12:38.65	-0.97

834.

2024-06-06 time: 8:23:42.25 UTC ML= 1.2  
 lat: 46.175N lon: 18.291E h= 0.0 km  
 erh= 0.8km erz= 141km  
 nr= 8 gap=203 rms=0.10  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.6	237	Pg	8:23:45.35	-0.05
			Sg	23:47.79	-0.06
PKSM	27.3	81	Pg	8:23:47.25	0.11
			Sg	23:50.78	-0.16
MORH	27.6	80	Pg	8:23:47.30	0.11
			Sg	23:50.85	-0.19
PKSV	31.9	185	Pg	8:23:47.94	-0.02
			Sg	23:52.46	0.05

835.

2024-06-06 time: 9:41:55.69 UTC ML= 0.9  
 lat: 47.234N lon: 18.271E h= 0.0 km  
 erh= 1.0km erz= 321km  
 nr= 10 gap=139 rms=0.26  
 Locality: Iszkkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.4	357	Pg	9:41:58.64	0.38
			Sg	42:00.25	-0.02
PKST	18.1	279	Pg	9:41:58.96	0.03
			Sg	42:01.11	-0.34
PKSG	19.8	27	Pg	9:41:59.07	-0.15
			Sg	42:01.58	-0.39
MPLH	55.9	263	Pg	9:42:05.96	0.30
MORH	116.7	166	Pg	9:42:16.37	-0.15
PKSM	117.1	166	Pg	9:42:16.60	0.01
			Sg	42:30.14	-2.76*

836.

2024-06-06 time: 10:07:07.92 UTC ML= 1.5  
 lat: 48.709N lon: 21.513E h= 0.0 km  
 erh= 2.7km erz= 5.5km  
 nr= 16 gap= 80 rms=1.19  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	50.2	204	Pg	10:07:18.18	1.31
			Sg	07:23.68	-0.18
KOLS	61.1	66	Pg	10:07:19.57	0.73
			Sg	07:25.68	-1.67
HOLU	67.3	107	Sg	10:07:28.78	-0.54
KECS	79.8	252	Pg	10:07:22.69	0.52

## Földrengés paraméterek

## Hypocenter Parameters

		Sg	07:33.01	-0.28
STHS	81.1 346	Pg	10:07:23.23	0.82
		Sg	07:32.56	-1.15
STZU	88.3 67	Pg	10:07:25.00	1.31
		Sg	07:34.65	-1.34
TRPA	99.5 130	Pg	10:07:26.55	0.86
		Sg	07:37.67	-1.89
NIE	118.0 312	Sg	10:07:43.54	-1.88
PSZ	148.8 234	Sn	10:07:49.89	-3.57
MEZ	149.1 98	Sn	10:07:52.74	-0.80

837.

2024-06-06 time: 12:50:39.31 UTC ML= 1.5  
 lat: 48.565N lon: 20.813E h= 0.0 km  
 erh= 5.0km erz= 623km  
 nr= 6 gap=244 rms=0.36  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.8 249		Pg	12:50:43.47	-0.45
			Sg	50:47.43	-0.08
ABAH	43.5 133		Pg	12:50:47.14	0.06
			Sg	50:53.01	-0.12
PSZ	99.1 223		Pg	12:50:57.64	0.64
			Sg	51:10.62	-0.18

838.

2024-06-06 time: 14:13:03.25 UTC ML= 1.2  
 lat: 47.337N lon: 16.298E h= 0.0 km  
 erh= 4.2km erz= 888km  
 nr= 6 gap=185 rms=0.53  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	40.3 360		Pg	14:13:11.16	0.71
			Sg	13:15.90	-0.16
SOP	43.2 27		Sg	14:13:16.84	-0.14
ARSA	59.4 261		Sg	14:13:22.27	0.14
CONA	73.4 333		Sg	14:13:25.72	-0.88
GROS	114.8 212		Sg	14:13:39.28	-0.45

839.

2024-06-07 time: 0:01:22.35 UTC ML= 1.5  
 lat: 47.861N lon: 17.208E h= 1.6 km  
 erh= 1.6km erz=68.1km  
 nr= 12 gap= 93 rms=0.50  
 Locality: Mosonszolnok  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	38.0 348		Pg	0:01:29.52	0.37
			Sg	01:34.37	-0.09
EGYH	50.3 169		Sg	0:01:38.80	0.46
SOP	52.6 248		Pg	0:01:32.26	0.51
			Sg	01:38.49	-0.59
MODS	57.2 5		Pg	0:01:32.80	0.23
			Sg	01:39.54	-0.99
RONA	70.7 255		Pg	0:01:35.27	0.29
			Sg	01:43.96	-0.87
MPLH	80.8 162		Pg	0:01:36.99	0.21
			Sg	01:46.78	-1.26
SRO	82.9 94		Pg	0:01:36.88	-0.28

840.

2024-06-07 time: 0:11:24.83 UTC ML= 1.4  
 lat: 47.876N lon: 17.201E h= 6.2 km  
 erh= 1.1km erz= 1.8km  
 nr= 21 gap=124 rms=0.50  
 Locality: Levél  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	36.3 348		Pg	0:11:31.95	0.54
			Sg	11:37.34	0.80
EGYH	52.0 169		Pg	0:11:34.51	0.34
			Sg	11:41.50	0.04
SOP	52.8 246		Pg	0:11:34.59	0.28
			Sg	11:41.61	-0.10
MODS	55.6 6		Pg	0:11:35.04	0.22
			Sg	11:42.10	-0.51
RONA	70.6 254		Pg	0:11:37.39	-0.09
			Sg	11:46.21	-1.15
SMOL	72.9 13		Sg	0:11:47.48	-0.60
MPLH	82.5 162		Pg	0:11:39.89	0.29
			Sg	11:50.77	-0.36
WINA	88.1 287		Pg	0:11:40.58	-0.01
			Sg	11:51.80	-1.08
PKST	92.9 138		Sg	0:11:53.19	-1.24
CONA	100.3 273		Pg	0:11:43.10	0.32
			Sg	11:55.93	-0.85
ARSA	144.2 241		Sn	0:12:08.69	0.75
KRUC	144.7 336		Sn	0:12:08.01	-0.04
ABNA	158.2 304		Sn	0:12:10.83	-0.22

841.

2024-06-07 time: 0:15:53.36 UTC ML= 1.6  
 lat: 47.866N lon: 17.228E h= 10.0 km  
 erh= 1.8km erz=12.8km  
 nr= 9 gap=159 rms=0.44  
 Locality: Mosonmagyaróvár  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	37.9 346		Pg	0:16:00.79	0.43
			Sg	16:06.46	0.63
EGYH	50.5 171		Pg	0:16:02.90	0.35
			Sg	16:09.71	0.00
SOP	54.1 248		Sg	0:16:10.53	-0.32
MODS	56.6 4		Sg	0:16:10.96	-0.68
RONA	72.2 255		Pg	0:16:06.39	0.02
			Sg	16:15.86	-0.66
SMOL	73.6 12		Sg	0:16:16.33	-0.65

842.

2024-06-07 time: 0:25:04.20 UTC ML= 2.1  
 lat: 47.875N lon: 17.225E h= 2.1 km  
 erh= 1.4km erz= 1.7km  
 nr= 70 gap= 39 rms=1.17  
 Locality: Mosonmagyaróvár  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	36.9 346		Pg	0:25:11.76	0.96
			Sg	25:16.39	0.45
EGYH	51.5 171		Pg	0:25:13.82	0.41
SOP	54.3 247		PgD	0:25:14.03	0.12
			Sg	25:21.23	-0.26
MODS	55.6 4		Pg	0:25:14.66	0.52
			Sg	25:21.88	-0.01
RONA	72.3 254		PgD	0:25:17.05	-0.07
			Sg	25:26.08	-1.11
SMOL	72.6 12		Pg	0:25:17.47	0.29
			Sg	25:26.69	-0.61
SRO	81.7 95		Pg	0:25:19.00	0.20
			Sg	25:29.39	-0.80

## Hypocenter Parameters

## Földrengés paraméterek

MPLH	81.8	163	Pg	0:25:19.27	0.45
			Sg	25:29.58	-0.64
WINA	89.8	287	Pg	0:25:20.75	0.51
			Sg	25:31.78	-0.97
PKST	91.6	138	Pg	0:25:20.82	0.25
			Sg	25:32.02	-1.31
CSKK	96.4	126	Pg	0:25:21.78	0.36
			Sg	25:32.76	-2.09
CONA	102.1	273	Pg	0:25:22.50	0.06
			Sg	25:34.90	-1.77
PKSG	102.7	122	Pg	0:25:22.61	0.06
			Sg	25:34.90	-1.96
JAVC	114.3	17	Pg	0:25:24.96	0.34
			Sg	25:38.94	-1.61
TIH	119.5	155	Pg	0:25:25.72	0.17
			Sg	25:40.38	-1.82
BUD	141.9	108	Pn	0:25:28.93	0.27
			Sn	25:48.23	0.49
KRUC	145.6	335	Pn	0:25:29.02	-0.10
			Sn	25:45.81	-2.75
ARSA	145.7	242	Pn	0:25:30.62	1.48
			Sn	25:47.42	-1.17
PENC	154.2	93	Pn	0:25:31.18	0.98
ABNA	159.8	304	Pn	0:25:30.70	-0.19
			Sn	25:50.06	-1.65
BEHE	159.8	192	Sn	0:25:52.03	0.30
VRAC	166.1	344	Pn	0:25:30.95	-0.73
			Sn	25:53.11	0.00
PKB1	169.5	136	Pn	0:25:31.23	-0.87
			Sn	25:54.74	0.87
ZBNS	174.8	37	Pn	0:25:34.77	2.00
			Sn	25:53.39	-1.66
KOGS	175.0	205	Sn	0:25:52.05	-3.04
RCF6	196.5	209	Pn	0:25:39.11	3.64
			Sn	26:01.73	1.87
PSZ	199.7	89	Pn	0:25:38.97	3.10
GROS	204.4	220	Pn	0:25:39.38	2.92
			Sn	26:04.43	2.81
KOVH	209.5	161	Pn	0:25:35.77	-1.32
			Sn	26:01.36	-1.38
PERS	210.8	229	Pn	0:25:41.08	3.82
SOKA	212.7	231	Pn	0:25:36.97	-0.52
			Sn	26:01.36	-2.09
MORC	212.8	6	Pn	0:25:40.52	3.02
			Sn	26:01.29	-2.19
PKSM	213.9	150	Pn	0:25:36.15	-1.49
			Sn	26:07.42	3.69
PKS2	215.3	136	Pn	0:25:37.26	-0.55
			Sn	26:07.98	3.95
LANS	218.1	49	Pn	0:25:37.46	-0.71
MOA	221.5	269	Pn	0:25:39.63	1.05
			Sn	26:06.03	0.63
PKSV	234.3	160	Pn	0:25:39.25	-0.93
KRLC	246.9	352	Sn	0:26:09.28	-1.76
MOSL	253.9	188	Pn	0:25:41.96	-0.68
BIOA	269.6	266	Pn	0:25:45.44	0.85
			Sn	26:16.63	0.55
BLY	347.5	181	Pn	0:25:53.68	-0.62*

843.

2024-06-07 time: 6:59:56.32 UTC ML= 1.3  
 lat: 47.023N lon: 18.003E h= 0.0 km  
 erh= 1.8km erz= 762km  
 nr= 14 gap=116 rms=0.65  
 Locality: Balatonalmádi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	16.0	212	Pg	6:59:59.42	0.24
			Sg	7:00:02.04	0.63
PKST	26.4	5	Pg	6:60:00.72	-0.30
			Sg	60:04.96	0.26
MPLH	38.8	295	Pg	6:60:04.12	0.87
			Sg	60:08.13	-0.52

CSKK	42.6	27	Sg	6:60:09.46	-0.39
PKSG	50.5	36	Sg	6:60:11.93	-0.42
MORH	102.3	151	Pg	6:60:15.31	0.73
			Sg	60:27.92	-0.90
PKSM	102.6	152	Pg	6:60:15.01	0.38
			Sg	60:27.07	-1.84
KOVH	104.1	176	Sg	6:60:28.70	-0.72
BEHE	112.1	237	Sg	6:60:31.09	-0.87

844.

2024-06-07 time: 7:27:04.92 UTC ML= 1.0  
 lat: 48.561N lon: 20.848E h= 0.0 km  
 erh= 4.8km erz= \*\*\*km  
 nr= 6 gap=125 rms=0.77  
 Locality: Hidvégdő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.1	252	Pg	7:27:10.60	0.66
			Sg	27:14.16	0.31
ABAH	41.3	135	Sg	7:27:18.54	0.49
STHS	99.5	17	Sg	7:27:35.49	-1.06
PSZ	100.6	225	Pg	7:27:23.00	0.12
			Sg	27:35.17	-1.72

845.

2024-06-07 time: 8:33:20.13 UTC ML= 1.9  
 lat: 48.352N lon: 19.877E h= 0.0 km  
 erh= 2.8km erz= 4.7km  
 nr= 12 gap=163 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.4	72	Pg	8:33:28.43	-0.16
			Sg	33:35.16	-0.03
PSZ	48.2	178	Pg	8:33:28.43	-0.32
			Sg	33:34.85	-0.62
LANS	93.8	341	Pg	8:33:37.70	0.82
			Sg	33:48.57	-1.36
ABAH	101.3	94	Pg	8:33:39.11	0.89
			Sg	33:51.71	-0.61
NIE	122.9	15	Pg	8:33:42.39	0.31
			Sg	33:56.95	-2.24
STHS	155.1	40	Pn	8:33:47.24	0.73
			Sn	34:06.26	-0.83

846.

2024-06-07 time: 12:27:29.01 UTC ML= 2.0  
 lat: 45.568N lon: 16.109E h= 10.0 km  
 erh= 2.9km erz= 1.9km  
 nr= 17 gap=215 rms=0.65  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	30.4	343	Pg	12:27:35.50	0.77
			Sg	27:39.95	0.76
PTJ	38.8	342	Pg	12:27:36.19	0.03
			Sg	27:41.03	-0.71
MOSL	50.6	84	Pg	12:27:37.46	-0.76
			Sg	27:43.41	-2.00
CRES	58.4	299	Pg	12:27:39.48	-0.10
			Sg	27:46.98	-0.85
RCF6	85.9	352	Pg	12:27:44.93	0.48
			Sg	27:55.83	-0.67
KOGS	98.5	6	Pg	12:27:47.59	0.90
			Sg	28:00.04	-0.44
GROS	109.9	335	Sn	12:28:02.81	-0.83
BEHE	112.8	27	Pn	12:27:49.29	0.46
			Sn	28:03.89	-0.40
KOVH	165.2	69	Sn	12:28:16.11	0.20

## Földrengés paraméterek

## Hypocenter Parameters

PKSV 170.6 78 Sn 12:28:17.49 0.37

847.

2024-06-07 time: 19:01:24.84 UTC ML= 1.9  
 lat: 46.340N lon: 18.017E h= 10.0 km  
 erh= 1.1km erz= 1.4km  
 nr= 36 gap= 60 rms=0.61  
 Locality: Mosdós  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOVH	28.7	167	PgD	19:01:30.10			-0.17
			Sg	01:34.72			0.22
PKS9	34.0	36	Pg	19:01:31.50			0.32
			Sg	01:36.89			0.77
PKSM	50.2	106	Pg	19:01:34.07			0.09
			Sg	01:41.15			0.04
MORH	50.3	106	Pg	19:01:34.12			0.13
			Sg	01:40.73			-0.40
PKSV	53.4	160	Pg	19:01:34.42			-0.12
			Sg	01:41.59			-0.51
PKB5	62.1	63	Pg	19:01:36.25			0.19
			Sg	01:45.00			0.18
TIH	63.0	351	Pg	19:01:36.39			0.16
			Sg	01:45.17			0.06
PKB1	77.3	50	Pg	19:01:38.73			-0.03
			Sg	01:49.36			-0.25
PKB3	91.1	84	Sg	19:01:53.11			-0.86
PKS2	93.5	80	Pg	19:01:42.13			0.50
			Sg	01:54.87			0.14
BEHE	96.6	279	Pg	19:01:41.81			-0.37
			Sg	01:54.96			-0.74
MPLH	99.2	338	Pg	19:01:42.99			0.34
			Sg	01:55.77			-0.77
PKB2	101.1	68	Pg	19:01:43.22			0.24
PKST	102.2	1	Pg	19:01:43.11			-0.06
			Sg	01:56.14			-1.33
CSKK	115.3	9	Sn	19:01:59.71			-0.95
PKSG	120.4	14	Sn	19:02:00.79			-1.01
MOSL	126.9	230	Pn	19:01:46.72			0.30
			Sn	02:01.55			-1.69
KOGS	136.4	275	Pn	19:01:48.44			0.83
			Sn	02:04.36			-1.00
R93E	136.9	220	Sn	19:02:04.03			-1.43
RCF6	158.4	270	Pn	19:01:52.15			1.80
			Sn	02:11.52			1.28
PTJ	166.5	253	Sn	19:02:13.65			1.61
BLY	188.4	200	Sn	19:02:20.78			3.87*

848.

2024-06-08 time: 17:28:54.60 UTC ML= 2.5  
 lat: 47.004N lon: 19.114E h= 9.8 km  
 erh= 0.9km erz= 0.9km  
 nr= 52 gap= 32 rms=0.61  
 Locality: Kunszentmiklós  
 Comments: felt 3 IIS

sta	dist	azm	phase	hr	mn	sec	res
PKS7	6.0	37	PgD	17:28:56.80			0.15
			Sg	28:58.56			0.31
PKB1	34.6	225	PgD	17:29:01.47			0.44
			Sg	29:06.67			0.63
PKB2	38.0	165	Pg	17:29:01.88			0.28
			Sg	29:06.91			-0.15
PBUD	51.9	351	Sg	17:29:11.44			0.06
BUD	53.7	353	Pg	17:29:04.77			0.41
			Sg	29:12.08			0.12
PKB5	53.9	212	PgD	17:29:04.44			0.06
			Sg	29:12.01			0.00
PKS6	56.6	143	Pg	17:29:05.10			0.24
			Sg	29:12.80			-0.06
PKS2	57.4	172	Pg	17:29:05.43			0.42
			Sg	29:13.54			0.41

PKSN	58.6	102	Pg	17:29:05.41			0.20
			Sg	29:12.94			-0.54
PKB3	64.8	175	PgD	17:29:06.35			0.04
			Sg	29:14.80			-0.64
PKSG	69.7	308	Pg	17:29:07.51			0.34
			Sg	29:16.88			-0.10
CSKK	76.0	302	Pg	17:29:08.65			0.36
			Sg	29:18.60			-0.36
PKS9	78.8	234	PgD	17:29:08.98			0.19
			Sg	29:19.38			-0.47
PKST	86.7	289	Sg	17:29:21.73			-0.59
PENC	88.3	8	Pg	17:29:10.28			-0.19
			Sg	29:21.85			-1.00
BSZH	93.4	69	Pg	17:29:11.12			-0.26
TIH	93.7	263	Pg	17:29:11.60			0.18
			Sg	29:23.51			-1.02
MORH	94.7	202	Pg	17:29:10.63			-0.98
			Sg	29:24.02			-0.86
PKSM	95.2	202	Pg	17:29:10.82			-0.88
			Sg	29:23.81			-1.22
SRO	108.4	326	Pn	17:29:13.76			-0.14
			Sn	29:27.70			-1.25
PSZ	117.4	30	PnU	17:29:13.93			-1.10
			Sn	29:29.22			-1.74
MPLH	121.0	279	Pn	17:29:16.42			0.95
			Sn	29:31.68			-0.06
KOVH	128.1	217	Pn	17:29:15.81			-0.55
			Sn	29:33.43			0.10
PKSV	140.6	208	Pn	17:29:19.38			1.47
			Sn	29:37.06			0.96
EGYH	142.6	289	Sn	17:29:38.14			1.60
AMBH	143.2	121	Sn	17:29:37.48			0.81
KECS	194.0	32	Pn	17:29:25.60			1.03
			Sn	29:51.62			3.67*
MODS	205.4	318	Pn	17:29:26.21			0.21
ABAH	214.8	48	Pn	17:29:27.96			0.79
BZS	246.9	129	Pn	17:29:31.30			0.13
CONA	265.9	293	Pn	17:29:33.76			0.23
KRUC	305.7	318	Pn	17:29:38.56			0.06*
VRAC	317.5	324	Pn	17:29:40.23			0.26*

849.

2024-06-10 time: 7:10:49.68 UTC ML= 2.0  
 lat: 45.933N lon: 16.072E h= 11.2 km  
 erh= 1.3km erz= 1.6km  
 nr= 12 gap= 84 rms=0.39  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	9.5	248	Pg	7:10:52.27			-0.04
			Sg	10:53.50			-0.87
ZAG	13.0	208	Pg	7:10:53.06			0.31
			Sg	10:55.25			0.11
CRES	49.2	256	Pg	7:10:59.16			0.47
			Sg	11:05.71			-0.01
KOGS	58.9	14	Sg	7:11:09.26			0.51
MOSL	63.8	124	Pg	7:11:01.15			-0.10
			Sg	11:09.68			-0.60
GROS	73.4	323	Sg	7:11:13.23			-0.05
BEHE	80.8	42	Sg	7:11:15.73			0.14
PERS	107.4	317	Sn	7:11:22.82			-0.65
KOVH	158.0	84	Sn	7:11:37.79			3.08*

850.

2024-06-10 time: 8:01:37.27 UTC ML= 1.9  
 lat: 48.708N lon: 18.732E h= 0.0 km  
 erh= 1.7km erz= 2.4km  
 nr= 22 gap= 56 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

### Hypocenter Parameters

sta	dist	azm	phase	hr	mn	sec	res
ZBNS	47.7	352	Pg	8:01:46.69		0.89	
			Sg	01:52.75		0.30	
LANS	72.9	48	Pg	8:01:51.08		0.78	
			Sg	01:59.12		-1.34	
JAVC	79.8	282	Pg	8:01:51.28		-0.24	
			Sg	02:02.86		0.22	
SMOL	98.5	257	Sg	8:02:07.78		-0.82	
SRO	104.3	197	Pg	8:01:56.93		1.03	
			Sg	02:10.91		0.49	
PENC	109.9	158	Sg	8:02:11.21		-1.00	
MODS	113.7	251	Pg	8:01:58.39		0.81	
			Sg	02:12.37		-1.05	
PSZ	123.1	136	Pg	8:01:59.21		-0.04	
			Sg	02:15.92		-0.48	
KECS	131.7	101	Pn	8:02:00.89		0.16	
			Sn	02:17.17		-1.86	
MORC	147.1	324	Pn	8:02:02.77		0.13	
			Sn	02:20.61		-1.82	
PKSG	148.6	190	Sn	8:02:21.24		-1.53	
CSKK	153.7	193	Pn	8:02:04.86		1.39	
			Sn	02:22.91		-0.99	
VRAC	170.1	293	Sn	8:02:25.52		-2.03	

851.

2024-06-10 time: 9:16:11.71 UTC ML= 1.2  
lat: 46.133N lon: 18.050E h= 0.0 km  
erh= 1.2km erz= 158km  
nr= 7 gap=289 rms=0.11  
Locality: Hetvehely  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	6.3	142	PgU	9:16:12.76		-0.07	
			Sg	16:13.91		0.20	
PKSV	31.4	150	Sg	9:16:21.53		-0.15	
PKSM	46.5	79	Pg	9:16:20.06		0.05	
			Sg	16:26.38		-0.10	
MORH	46.8	79	Pg	9:16:20.17		0.11	
			Sg	16:26.48		-0.10	

852.

2024-06-10 time: 10:04:04.97 UTC ML= 1.4  
lat: 48.677N lon: 21.338E h= 3.2 km  
erh= 2.5km erz= 4.4km  
nr= 8 gap=104 rms=0.51  
Locality: Slovakia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
ABAH	43.0	190	Pg	10:04:12.91		0.25	
			Sg	04:18.65		-0.01	
KECS	66.5	251	Pg	10:04:17.32		0.47	
			Sg	04:25.01		-1.12	
KOLS	74.4	67	Sg	10:04:27.62		-1.00	
STHS	82.6	355	Pg	10:04:20.09		0.37	
			Sg	04:30.88		-0.35	
BRIU	129.9	107	Sn	10:04:45.49		-0.09	

853.

2024-06-10 time: 14:00:06.70 UTC ML= 1.6  
lat: 48.117N lon: 16.933E h= 0.0 km  
erh= 2.9km erz= 3.8km  
nr= 17 gap=102 rms=0.96  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	15.4	55	Pg	14:00:09.86		0.41	
			Sg	00:12.15		0.56	
MODS	38.3	42	Pg	14:00:13.52		-0.03	
			Sg	00:18.56		-0.33	

### Földrengés paraméterek

SMOL	57.4	40	Sg	14:00:24.25		-0.71	
RONA	66.5	226	Pg	14:00:18.93		0.36	
			Sg	00:27.09		-0.74	
CONA	82.6	255	Pg	14:00:22.02		0.56	
			Sg	00:31.86		-1.11	
JAVC	98.9	33	Pg	14:00:25.89		1.52	
KRUC	112.3	339	Pg	14:00:27.43		0.67	
			Sg	00:40.42		-1.99	
MPLH	114.7	157	Sg	14:00:41.38		-1.78	
VRAC	134.8	349	Pn	14:00:30.30		-0.25	
			Sn	00:46.79		-2.36	
ARSA	143.1	228	Pn	14:00:32.60		1.02	
			Sn	00:49.69		-1.30	

854.

2024-06-10 time: 20:48:33.62 UTC ML= 1.9  
lat: 45.901N lon: 16.014E h= 6.3 km  
erh= 2.0km erz= 2.7km  
nr= 19 gap= 72 rms=0.72  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.3	268	Pg	20:48:34.85		-0.13	
			Sg	48:35.65		-0.39	
ZAG	8.2	191	Pg	20:48:35.62		0.16	
			Sg	48:36.86		-0.04	
GCIS	30.2	263	iPg	20:48:39.44		0.31	
			iSg	48:43.59		0.16	
GOLS	32.5	292	iPg	20:48:40.14		0.61	
CESS	43.4	281	iPg	20:48:42.38		0.92	
			iSg	48:47.54		-0.03	
CRES	44.0	259	Pg	20:48:41.39		-0.17	
			Sg	48:45.84		-1.92	
KOGS	63.5	17	Pg	20:48:46.03		1.02	
			Sg	48:52.82		-1.07	
MOSL	65.9	119	Pg	20:48:44.47		-0.98	
GROS	73.7	328	Pg	20:48:47.52		0.69	
			Sg	48:55.92		-1.21	
BEHE	86.4	43	Sg	20:49:00.42		-0.72	
PERS	107.0	320	Sg	20:49:04.13		-3.55*	
KOVH	163.0	83	Sn	20:49:21.01		0.12	

855.

2024-06-11 time: 8:38:55.77 UTC ML= 1.3  
lat: 48.544N lon: 20.750E h= 0.0 km  
erh= 2.4km erz= 775km  
nr= 10 gap=107 rms=0.61  
Locality: Komjáti  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	20.6	251	Pg	8:38:59.91		0.45	
			Sg	39:02.43		0.10	
ABAH	45.5	127	Pg	8:39:04.13		0.22	
			Sg	39:09.85		-0.40	
PSZ	94.2	222	Pg	8:39:12.94		0.35	
			Sg	39:24.42		-1.29	
NIE	102.4	342	Pg	8:39:14.64		0.58	
STHS	103.6	20	Pg	8:39:14.43		0.16	
LANS	115.8	306	Pg	8:39:15.57		-0.88	
			Sg	39:29.83		-2.75	

856.

2024-06-11 time: 8:41:31.25 UTC ML= 1.6  
lat: 48.843N lon: 21.601E h= 0.0 km  
erh= 2.0km erz= 6.2km  
nr= 14 gap= 98 rms=0.76  
Locality: Slovakia  
Comments: probably explosion





## Hypocenter Parameters

MEZ 161.0 77 Sn 7:08:03.33 -0.97  
 DRGR 183.8 147 Sn 7:08:10.53 1.18

863.

2024-06-12 time: 7:46:46.91 UTC ML= 1.7  
 lat: 46.057N lon: 22.828E h= 0.0 km  
 erh= 3.6km erz= 6.1km  
 nr= 10 gap=118 rms=0.83  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.2	163	Pg	7:46:50.73	0.22
			Sg	46:53.39	0.07
SURR	64.1	238	Pg	7:46:59.66	1.30
			Sg	47:06.23	-1.06
DRGR	82.1	354	Pg	7:47:02.16	0.59
			Sg	47:11.71	-1.31
BZS	106.1	243	Pg	7:47:05.87	0.02
			Sg	47:18.70	-1.93
VOIR	186.1	112	Pn	7:47:17.30	0.15
			Sn	47:39.84	-0.89

864.

2024-06-12 time: 7:54:21.31 UTC ML= 1.4  
 lat: 48.905N lon: 21.050E h= 0.0 km  
 erh= 2.5km erz= 5.1km  
 nr= 9 gap= 95 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	58.7	14	Pg	7:54:32.60	0.81
			Sg	54:39.57	-0.39
KECS	62.6	222	Pg	7:54:33.23	0.73
			Sg	54:40.90	-0.32
ABAH	69.1	168	Pg	7:54:33.89	0.24
			Sg	54:42.03	-1.25
NIE	78.5	317	Sg	7:54:45.83	-0.42
STZU	115.9	84	Pg	7:54:41.76	-0.24
PSZ	139.1	218	Sn	7:55:03.52	-1.18

865.

2024-06-12 time: 8:22:22.90 UTC ML= 1.6  
 lat: 48.453N lon: 17.446E h= 0.0 km  
 erh= 3.4km erz= 4.1km  
 nr= 12 gap=202 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.9	349	Pg	8:22:24.13	0.00
			Sg	22:25.10	0.02
MODS	15.3	235	Pg	8:22:26.00	0.36
			Sg	22:27.65	-0.12
ZST	38.3	222	Pg	8:22:30.15	0.41
			Sg	22:34.03	-1.05
JAVC	48.1	20	Pg	8:22:32.01	0.53
			Sg	22:36.76	-1.42
KRUC	102.7	311	Pg	8:22:41.24	-0.01
RONA	119.9	226	Pg	8:22:44.52	0.22
CONA	131.5	244	Pn	8:22:46.07	-0.26
			Sn	23:02.41	-2.20

## Földrengés paraméterek

866.

2024-06-12 time: 8:59:00.94 UTC ML= 1.9  
 lat: 47.328N lon: 18.404E h= 0.0 km  
 erh= 2.0km erz= 638km  
 nr= 7 gap=118 rms=0.42  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.1	352	PgU	8:59:02.82	0.60
			Sg	59:03.02	-0.19
CSKK	11.6	290	Sg	8:59:04.15	-0.46
MORH	125.0	172	Sg	8:59:41.07	0.39
PKSM	125.4	172	Sg	8:59:40.56	-0.25
PSZ	129.8	60	Pg	8:59:24.05	-0.07
			Sg	59:41.58	-0.62

867.

2024-06-12 time: 9:05:02.67 UTC ML= 1.3  
 lat: 48.965N lon: 20.199E h= 0.0 km  
 erh= 5.0km erz= \*\*\*km  
 nr= 7 gap=149 rms=0.84  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
NIE	51.1	9	Pg	9:05:12.13	0.34
			Sg	05:17.71	-1.20
LANS	57.3	291	Sg	9:05:20.99	0.11
KECS	57.6	159	Pg	9:05:14.03	1.08
			Sg	05:19.74	-1.24
PSZ	118.6	191	Pg	9:05:24.10	0.26
			Sg	05:39.13	-1.23

868.

2024-06-13 time: 6:26:14.39 UTC ML= 1.6  
 lat: 47.950N lon: 20.896E h= 5.4 km  
 erh= 3.6km erz= 3.1km  
 nr= 9 gap=187 rms=0.59  
 Locality: Szakáld  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	46.2	34	Pg	6:26:22.96	0.26
			Sg	26:29.06	-0.12
KECS	66.7	333	Pg	6:26:26.25	-0.09
			Sg	26:34.70	-0.97
PSZ	74.9	267	Pg	6:26:28.09	0.29
			Sg	26:37.99	-0.28
TRPA	124.1	81	Sn	6:26:51.97	-1.27
LANS	170.2	322	Sn	6:27:04.65	1.20
STZU	174.2	47	Sn	6:27:05.43	1.08

869.

2024-06-13 time: 7:23:08.20 UTC ML= 1.6  
 lat: 47.908N lon: 20.160E h= 0.0 km  
 erh= 7.1km erz= 9.2km  
 nr= 7 gap=197 rms=0.79  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.8	273	PgU	7:23:12.38	0.63
			Sg	23:13.95	-0.56
PENC	67.0	259	Sg	7:23:28.23	-1.26
KECS	68.4	21	Sg	7:23:29.68	-0.28
ABAH	91.3	62	Pg	7:23:25.06	0.55
			Sg	23:35.71	-1.51
LANS	147.4	340	Pn	7:23:34.22	0.61















## Földrengés paraméterek

## Hypocenter Parameters

Sn 58:04.51 -0.14  
 909.

2024-06-19 time: 10:37:59.68 UTC ML= 1.3  
 lat: 47.523N lon: 18.497E h= 0.0 km  
 erh= 3.2km erz= 2.3km  
 nr= 9 gap=294 rms=0.50  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	16.7	209	Pg	10:38:03.23	0.58
			Sg	38:05.47	0.50
CSKK	25.2	225	Pg	10:38:04.36	0.19
			Sg	38:07.51	-0.17
PKST	45.6	230	Pg	10:38:07.65	-0.18
			Sg	38:14.19	0.01
MPLH	82.3	242	Sg	10:38:24.33	-1.51
MORH	145.8	176	Sn	10:38:44.42	-0.13
PKSM	146.2	176	Sn	10:38:43.80	-0.84

910.

2024-06-19 time: 11:02:00.26 UTC ML= 1.3  
 lat: 48.811N lon: 20.087E h= 0.0 km  
 erh= 6.1km erz= \*\*\*km  
 nr= 6 gap=186 rms=0.81  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.8	141	Pg	11:02:09.60	0.98
			Sg	02:14.57	-0.57
NIE	69.6	14	Sg	11:02:21.66	-0.71
PSZ	100.3	188	Pg	11:02:18.79	0.62
			Sg	02:31.20	-0.95
ABAH	102.5	124	Sg	11:02:31.89	-0.97

911.

2024-06-19 time: 11:12:50.55 UTC ML= 1.6  
 lat: 46.353N lon: 22.985E h= 0.0 km  
 erh= 6.4km erz= 981km  
 nr= 7 gap=210 rms=0.66  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	52.6	187	Sg	11:13:06.90	-0.37
DRGR	53.1	337	Pg	11:12:59.79	-0.23
			Sg	13:07.82	0.40
SURR	94.2	225	Pg	11:13:07.60	0.24
			Sg	13:20.14	-0.34
GZR	107.9	189	Pg	11:13:10.43	0.61
			Sg	13:21.81	-3.04

912.

2024-06-20 time: 5:04:02.90 UTC ML= 1.2  
 lat: 47.252N lon: 17.682E h= 0.0 km  
 erh= 4.3km erz= 4.8km  
 nr= 13 gap=116 rms=1.57  
 Locality: Németbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	14.1	230	Pg	5:04:06.43	1.01
			Sg	04:09.07	1.68
TIH	42.3	158	Sg	5:04:17.94	1.60
CSKK	45.4	74	Sg	5:04:17.53	0.18
PKSG	55.8	74	Pg	5:04:13.84	0.98
			Sg	04:20.86	0.23
SRO	78.5	37	Sg	5:04:27.33	-0.51

MODS 128.4 346 Sg 5:04:41.70 -2.01  
 KOVH 133.2 166 Sn 5:04:41.91 -3.08  
 MORH 136.6 147 Sn 5:04:43.27 -2.48  
 PKSM 136.9 148 Sn 5:04:44.42 -1.39  
 PKSV 157.7 164 Sn 5:04:49.22 -1.21  
 PSZ 182.2 66 Sn 5:04:58.30 2.45

913.

2024-06-20 time: 7:31:17.14 UTC ML= 1.3  
 lat: 48.816N lon: 20.120E h= 0.0 km  
 erh= 3.8km erz= \*\*\*km  
 nr= 7 gap=118 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.8	144	Pg	7:31:25.98	0.67
			Sg	31:31.30	-0.39
LANS	60.5	308	Pg	7:31:28.74	0.79
			Sg	31:35.16	-1.22
NIE	68.5	12	Sg	7:31:38.81	-0.11
ABAH	100.9	125	Sg	7:31:48.46	-0.74
PSZ	101.2	189	Sg	7:31:48.72	-0.58

914.

2024-06-20 time: 8:30:00.50 UTC ML= 1.5  
 lat: 48.523N lon: 17.466E h= 0.0 km  
 erh= 1.2km erz= 1.5km  
 nr= 11 gap=195 rms=0.47  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	2.9	251	PgU	8:30:01.25	0.22
			Sg	30:01.79	0.35
MODS	21.7	220	Pg	8:30:04.53	0.16
			Sg	30:07.72	0.33
JAVC	40.3	22	Pg	8:30:08.05	0.34
			Sg	30:13.63	0.31
ZST	45.2	217	Sg	8:30:14.53	-0.35
KRUC	98.9	307	Sg	8:30:31.58	-0.37
CONA	136.3	241	Pn	8:30:24.20	-0.33
			Sn	30:40.88	-2.40
MORC	139.6	2	Sn	8:30:42.63	-1.37

915.

2024-06-20 time: 8:31:38.74 UTC ML= 1.4  
 lat: 48.499N lon: 17.474E h= 0.0 km  
 erh= 3.0km erz= 3.6km  
 nr= 11 gap=199 rms=0.81  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.7	297	PgU	8:31:39.87	0.47
			Sg	31:40.66	0.74
MODS	20.1	226	Pg	8:31:43.42	1.09
			Sg	31:45.46	0.33
JAVC	42.6	20	Pg	8:31:46.60	0.25
			Sg	31:51.98	-0.31
ZST	43.5	219	Sg	8:31:52.28	-0.28
KRUC	101.0	308	Sg	8:32:09.61	-1.24
RONA	124.8	225	Sg	8:32:17.06	-1.36
CONA	135.6	242	Sn	8:32:20.17	-1.18
MORC	142.2	2	Sn	8:32:21.66	-1.17

## Hypocenter Parameters

## Földrengés paraméterek

916.

2024-06-20 time: 8:33:00.04 UTC ML= 1.4  
 lat: 48.596N lon: 17.447E h= 0.0 km  
 erh= 1.2km erz= 1.5km  
 nr= 10 gap=159 rms=0.26  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	9.3	188	Pg	8:33:01.56	-0.13
			Sg	33:02.71	-0.27
MODS	27.7	207	Pg	8:33:04.98	-0.01
			Sg	33:09.18	0.33
JAVC	33.6	29	Pg	8:33:06.15	0.11
			Sg	33:10.62	-0.09
KRUC	92.9	304	Sg	8:33:29.73	0.15
RONA	131.4	221	Pn	8:33:23.77	0.31
MORC	131.5	3	Sn	8:33:40.53	-1.21
CONA	139.1	238	Sn	8:33:42.92	-0.52

917.

2024-06-20 time: 8:34:23.57 UTC ML= 1.5  
 lat: 48.490N lon: 17.683E h= 0.0 km  
 erh= 5.5km erz= 6.4km  
 nr= 12 gap=224 rms=1.22  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	18.9	278	Pg	8:34:27.64	0.68
			Sg	34:29.11	-0.48
MODS	32.7	247	Pg	8:34:30.68	1.27
			Sg	34:35.01	1.05
JAVC	41.0	359	Pg	8:34:31.85	0.95
			Sg	34:36.44	-0.18
KRUC	114.0	304	Pg	8:34:44.35	0.42
			Sg	34:58.28	-1.53
VRAC	121.1	319	Sg	8:34:59.35	-2.70
SOP	122.7	223	Sg	8:34:59.74	-2.84
MORC	143.5	356	Pn	8:34:48.66	0.17
			Sn	35:06.23	-1.70

918.

2024-06-20 time: 9:01:34.73 UTC ML= 1.8  
 lat: 47.313N lon: 18.441E h= 0.0 km  
 erh= 2.9km erz= 4.6km  
 nr= 10 gap=196 rms=0.64  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.6	336	PgU	9:01:36.44	-0.01
			Sg	01:36.78	-1.00
CSKK	14.8	292	Pg	9:01:37.79	0.42
			Sg	01:38.97	-0.46
PKST	31.4	259	Pg	9:01:41.54	1.21
			Sg	01:44.60	-0.10
TIH	62.0	222	Sg	9:01:53.68	-0.75
MORH	122.9	173	Sg	9:02:13.85	0.04
PKSM	123.3	173	Sg	9:02:13.79	-0.15
KOVH	138.6	191	Sn	9:02:17.29	-0.72

919.

2024-06-20 time: 9:53:05.64 UTC ML= 1.5  
 lat: 48.637N lon: 20.864E h= 0.0 km  
 erh= 3.0km erz= 681km  
 nr= 6 gap=169 rms=0.39  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	32.7	239	Pg	9:53:11.86	0.39
			Sg	53:15.93	-0.10
ABAH	47.0	144	Sg	9:53:20.41	-0.16
NIE	95.9	335	Pg	9:53:22.53	-0.22
PSZ	107.5	222	Pg	9:53:25.11	0.28
			Sg	53:38.57	-1.23

920.

2024-06-21 time: 3:46:40.10 UTC ML= 1.1  
 lat: 45.652N lon: 18.072E h= 17.7 km  
 erh= 5.2km erz= 2.1km  
 nr= 11 gap=232 rms=0.62  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	29.8	28	Pg	3:46:46.00	-0.30
			Sg	46:50.63	-0.50
KOVH	48.6	3	Pg	3:46:50.03	0.69
			Sg	46:56.24	-0.30
PKSM	76.3	35	P*	3:46:54.36	0.57
			S*	47:03.18	-1.30
MORH	76.8	35	P*	3:46:53.94	0.07
			S*	47:03.54	-1.07
MOSL	102.8	268	Pn	3:46:58.03	0.35
			Sn	47:10.62	-0.78
PKS9	105.2	9	Sn	3:47:12.83	0.90

921.

2024-06-21 time: 9:20:09.23 UTC ML= 1.5  
 lat: 47.311N lon: 17.637E h= 0.0 km  
 erh= 1.7km erz= 561km  
 nr= 11 gap=105 rms=0.45  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	17.3	205	Pg	9:20:12.14	-0.17
			Sg	20:14.44	-0.28
EGYH	25.9	297	Pg	9:20:14.23	0.37
			Sg	20:16.85	-0.62
PKST	30.6	101	Pg	9:20:15.13	0.44
			Sg	20:18.47	-0.48
CSKK	47.5	83	Pg	9:20:18.51	0.80
			Sg	20:24.05	-0.27
PKSG	57.6	81	Pg	9:20:19.45	-0.07
			Sg	20:27.27	-0.28
SRO	75.6	42	Sg	9:20:32.56	-0.70

922.

2024-06-21 time: 9:53:38.71 UTC ML= 1.2  
 lat: 47.092N lon: 18.008E h= 0.0 km  
 erh= 1.9km erz= 658km  
 nr= 11 gap=112 rms=0.53  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.7	6	Pg	9:53:41.90	-0.15
			Sg	53:44.66	0.00
TIH	23.0	202	Sg	9:53:44.74	-1.29
CSKK	35.7	32	Pg	9:53:45.35	0.26
			Sg	53:49.10	-0.97
MPLH	36.6	284	Pg	9:53:45.42	0.18
			Sg	53:50.13	-0.21
PKSG	44.2	41	Pg	9:53:47.01	0.41
MORH	108.9	153	Pg	9:53:58.37	0.22
			Sg	54:11.25	-2.07
PKSM	109.2	154	Pg	9:53:58.68	0.48

## Földrengés paraméterek

## Hypocenter Parameters

923.

2024-06-22 time: 4:22:34.48 UTC ML= 0.4  
 lat: 47.302N lon: 18.197E h= 11.6 km  
 erh= 5.9km erz= 3.6km  
 nr= 6 gap=147 rms=0.26  
 Locality: Balinka  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.3	35	Pg	4:22:37.22	0.19
			Sg	22:38.61	-0.41
PKST	13.2	249	PgD	4:22:37.85	0.24
			Sg	22:39.76	-0.30
PKSG	17.7	56	Sg	4:22:41.28	0.07
PKSM	125.9	164	Sn	4:23:11.99	-0.30

924.

2024-06-23 time: 7:23:41.55 UTC ML= 1.6  
 lat: 45.922N lon: 16.056E h= 4.4 km  
 erh= 1.4km erz= 3.1km  
 nr= 10 gap=187 rms=0.25  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	8.0	252	PgD	7:23:43.54	0.35
			Sg	23:44.59	0.13
R971	10.0	201	PgU	7:23:43.33	-0.18
			Sg	23:44.78	-0.26
ZAG	11.4	205	PgD	7:23:43.74	0.00
			Sg	23:45.37	-0.08
CRES	47.8	257	Pg	7:23:50.43	0.31
			Sg	23:56.32	-0.48
KOGS	60.3	14	Sg	7:24:00.75	-0.03
GROS	73.6	324	Sg	7:24:04.71	-0.28

925.

2024-06-23 time: 13:15:44.33 UTC ML= 0.2  
 lat: 47.393N lon: 18.256E h= 4.0 km  
 erh= 5.6km erz= 3.5km  
 nr= 5 gap=222 rms=0.08  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.3	174	Pg	13:15:45.37	0.11
			Sg	15:45.87	-0.11
PKSG	10.2	90	Pg	13:15:46.23	-0.05
			Sg	15:47.83	0.03
PKST	22.4	228	Sg	13:15:51.53	-0.04

926.

2024-06-24 time: 8:08:46.54 UTC ML= 1.5  
 lat: 46.134N lon: 18.060E h= 0.0 km  
 erh= 1.8km erz= 222km  
 nr= 7 gap=287 rms=0.15  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.9	149	Pg	8:08:47.79	0.19
			Sg	08:48.44	0.01
PKSV	31.1	151	Pg	8:08:51.86	-0.23
PKSM	45.7	79	Pg	8:08:54.85	0.14
			Sg	09:01.00	-0.07
MORH	46.0	79	Pg	8:08:54.77	0.01
			Sg	09:00.98	-0.19

927.

2024-06-24 time: 8:11:10.18 UTC ML= 1.3  
 lat: 46.129N lon: 18.057E h= 0.0 km  
 erh= 1.7km erz= 316km  
 nr= 8 gap=228 rms=0.23  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.6	144	PgU	8:11:11.03	-0.16
			Sg	11:12.12	0.15
PKSV	30.7	151	Pg	8:11:15.67	0.00
			Sg	11:19.88	-0.07
MORH	46.3	78	Pg	8:11:18.47	0.01
			Sg	11:24.77	-0.14
PKS9	53.7	19	Pg	8:11:20.06	0.29
			Sg	11:25.74	-1.50

928.

2024-06-24 time: 8:30:24.13 UTC ML= 1.5  
 lat: 48.493N lon: 17.475E h= 0.0 km  
 erh= 2.6km erz= 626km  
 nr= 8 gap=200 rms=0.47  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.1	304	PgU	8:30:24.58	-0.28
			Sg	30:25.68	0.24
MODS	19.7	228	Pg	8:30:28.05	0.40
			Sg	30:30.88	0.49
ZST	43.0	220	Sg	8:30:37.23	-0.57
JAVC	43.2	20	Pg	8:30:31.80	-0.04
			Sg	30:38.19	0.33
KRUC	101.5	309	Sg	8:30:54.67	-1.71

929.

2024-06-24 time: 9:52:57.50 UTC ML= 1.1  
 lat: 47.910N lon: 16.052E h= 0.0 km  
 erh= 2.2km erz= 529km  
 nr= 6 gap=143 rms=0.31  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.4	278	Pg	9:52:59.98	-0.08
			Sg	53:02.03	-0.03
RONA	29.7	142	Pg	9:53:02.90	0.09
			Sg	53:06.78	-0.17
MODS	104.7	61	Pg	9:53:16.51	0.31
			Sg	53:29.56	-1.23

930.

2024-06-24 time: 10:00:38.54 UTC ML= 1.6  
 lat: 48.146N lon: 16.888E h= 0.0 km  
 erh= 2.0km erz= 3.4km  
 nr= 13 gap=135 rms=0.65  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.9	71	Pg	10:00:41.84	0.29
			Sg	00:43.85	-0.06
MODS	38.4	49	Pg	10:00:45.61	0.21
			Sg	00:49.91	-0.84
SOP	57.1	206	Sg	10:00:56.48	-0.20
RONA	66.5	222	Pg	10:00:51.14	0.73
			Sg	00:59.26	-0.42
CONA	80.3	252	Pg	10:00:53.47	0.59
			Sg	01:04.12	0.05

## Hypocenter Parameters

KRUC 108.1 340 Pg 10:00:58.40 0.55  
 Sg 01:11.45 -1.47  
 ARSA 142.9 226 Pn 10:01:02.11 -1.28  
 Sn 01:22.20 -0.57

931.

2024-06-25 time: 8:33:17.17 UTC ML= 1.2  
 lat: 48.683N lon: 20.368E h= 0.0 km  
 erh= 4.6km erz= \*\*\*km  
 nr= 8 gap=161 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.8	159	Pg	8:33:21.66	0.23
			Sg	33:24.55	-0.19
NIE	82.0	357	Pg	8:33:31.63	-0.18
			Sg	33:42.20	-1.03
LANS	84.0	308	Pg	8:33:33.42	1.24
			Sg	33:43.00	-0.89
PSZ	92.0	202	Pg	8:33:34.05	0.45
			Sg	33:45.05	-1.36

932.

2024-06-25 time: 8:45:18.29 UTC ML= 1.0  
 lat: 47.253N lon: 18.240E h= 0.0 km  
 erh= 4.1km erz= 520km  
 nr= 6 gap=236 rms=0.32  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.3	7	Pg	8:45:20.85	0.36
			Sg	45:22.59	0.38
PKST	15.6	272	Pg	8:45:21.10	0.02
			Sg	45:22.79	-0.46
PKSG	19.2	36	Pg	8:45:21.63	-0.09
			Sg	45:23.80	-0.58

933.

2024-06-25 time: 9:11:33.00 UTC ML= 1.7  
 lat: 48.241N lon: 21.260E h= 0.0 km  
 erh= 4.7km erz= 5.0km  
 nr= 12 gap=153 rms=0.96  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	63.4	295	Pg	9:11:44.80	0.47
			Sg	11:51.64	-1.53
TRPA	95.9	97	Pg	9:11:50.72	0.60
			Sg	12:01.13	-2.35
KOLS	107.3	44	Pg	9:11:52.54	0.37
			Sg	12:06.80	-0.31
PSZ	107.9	251	Pg	9:11:53.09	0.82
			Sg	12:06.61	-0.69
NIE	148.4	332	Pn	9:11:59.37	0.83
			Sn	12:16.20	-2.25
LANS	166.3	307	Pn	9:12:00.10	-0.67
			Sn	12:23.31	0.88

934.

2024-06-25 time: 9:31:31.44 UTC ML= 1.5  
 lat: 47.865N lon: 19.139E h= 0.0 km  
 erh= 6.4km erz= \*\*\*km  
 nr= 7 gap=186 rms=1.01  
 Locality: Nótincs  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PENC	13.5	128	Pg	9:31:34.57	0.73
			Sg	31:35.40	-0.32
PSZ	56.8	84	Pg	9:31:42.75	1.17
			Sg	31:50.00	0.51
CSKK	86.5	230	Sg	9:31:58.04	-0.88
KECS	121.5	56	Pg	9:31:52.42	-0.71
			Sg	32:07.63	-2.42

935.

2024-06-25 time: 9:41:27.18 UTC ML= 1.7  
 lat: 48.263N lon: 18.683E h= 0.0 km  
 erh= 2.4km erz= 5.3km  
 nr= 17 gap= 83 rms=0.99  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	69.0	140	Sg	9:41:48.47	-0.63
ZBNS	96.9	358	Pg	9:41:46.05	1.57
			Sg	41:56.99	-0.98
SMOL	97.0	287	Pg	9:41:44.75	0.26
PSZ	98.1	113	Pg	9:41:44.84	0.15
			Sg	41:57.07	-1.28
PKSG	99.3	193	Pg	9:41:46.47	1.56
			Sg	41:57.62	-1.12
JAVC	99.9	312	PgU	9:41:44.29	-0.72
			Sg	41:57.44	-1.48
MODS	105.0	277	Pg	9:41:46.39	0.47
			Sg	41:58.72	-1.82
LANS	114.4	30	Pg	9:41:48.31	0.71
			Sg	42:03.02	-0.51
PKST	121.7	204	Sg	9:42:05.08	-0.80
MPLH	148.7	215	Sn	9:42:12.76	0.05
RONA	188.8	251	Sn	9:42:22.67	1.06

936.

2024-06-25 time: 9:52:26.71 UTC ML= 1.7  
 lat: 48.612N lon: 20.747E h= 0.0 km  
 erh= 3.4km erz= 6.5km  
 nr= 10 gap=107 rms=0.81  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.1	233	Pg	9:52:31.90	0.89
			Sg	52:34.60	0.24
NIE	95.2	340	Sg	9:52:56.55	-0.41
STHS	96.5	22	Sg	9:52:56.78	-0.62
PSZ	99.8	219	Pg	9:52:44.82	0.29
			Sg	52:56.65	-1.79
KOLS	117.7	72	Pg	9:52:48.38	0.65
			Sg	53:03.63	-0.49
TRPA	143.2	112	Pn	9:52:51.67	0.08
			Sn	53:08.47	-2.53

937.

2024-06-25 time: 11:03:59.58 UTC ML= 1.0  
 lat: 47.553N lon: 16.348E h= 0.0 km  
 erh= 4.0km erz= 5.3km  
 nr= 10 gap=160 rms=1.10  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.8	347	PgU	11:04:03.30	0.73
			Sg	04:04.72	-0.19
SOP	21.5	47	Pg	11:04:04.20	0.79
			Sg	04:06.90	0.50
CONA	55.4	319	Pg	11:04:10.43	0.95
			Sg	04:16.09	-1.11
ARSA	70.8	242	Sg	11:04:22.01	-0.06

## Földrengés paraméterek

MODS 114.7 37 Sg 11:04:33.33 -2.69  
 GROS 137.4 208 Sn 11:04:40.69 -1.90  
 KRUC 167.8 1 Sn 11:04:47.77 -1.57

938.

2024-06-26 time: 7:02:10.14 UTC ML= 1.3  
 lat: 48.591N lon: 20.739E h= 0.0 km  
 erh= 7.6km erz= 922km  
 nr= 6 gap=276 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

939.

sta	dist	azm	phase	hr mn sec	res
KECS	22.2	237	Pg	7:02:14.50	0.40
			Sg	02:18.10	0.90
PSZ	97.6	220	Pg	7:02:27.55	-0.02
			Sg	02:40.29	-0.87
LANS	112.1	304	Pg	7:02:30.20	0.04
			Sg	02:44.72	-1.06

940.

2024-06-26 time: 11:28:40.75 UTC ML= 0.8  
 lat: 47.395N lon: 18.758E h= 10.0 km  
 erh= 2.0km erz= 1.8km  
 nr= 6 gap=220 rms=0.51  
 Locality: Pusztazámor  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	27.7	269	Pg	11:28:46.80	0.78
			Sg	28:50.24	0.12
CSKK	37.7	265	Sg	11:28:52.66	-0.50
SRO	57.3	324	Sg	11:28:58.82	-0.41
MORH	131.4	184	Sn	11:29:19.93	-0.23
PKSM	131.8	184	Sn	11:29:19.82	-0.44

941.

2024-06-27 time: 2:08:21.91 UTC ML= 2.0  
 lat: 45.666N lon: 21.891E h= 14.8 km  
 erh= 3.2km erz= 2.3km  
 nr= 9 gap=128 rms=0.52  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	20.7	62	PgD	2:08:26.35	-0.11
			Sg	08:29.79	-0.21
TIM	52.8	279	Pg	2:08:31.60	-0.10
BANR	66.9	242	Pg	2:08:34.85	0.71
			Sg	08:43.18	-0.50
GZR	75.5	114	Sg	2:08:45.79	-0.58
AMBH	118.1	310	Sn	2:08:56.58	-0.68
DRGR	140.3	27	Pn	2:08:45.40	0.86
			Sn	09:01.80	-0.39

942.

2024-06-27 time: 8:22:08.47 UTC ML= 1.5  
 lat: 48.585N lon: 20.766E h= 0.0 km  
 erh= 3.2km erz= 8.7km  
 nr= 10 gap= 90 rms=0.77  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.6	241	Pg	8:22:13.29	0.61
			Sg	22:16.10	0.13
ABAH	47.6	133	Pg	8:22:17.12	0.15
			Sg	22:22.01	-1.59
PSZ	98.4	221	Pg	8:22:26.59	0.55

## Hypocenter Parameters

Sg 22:38.10 -1.65  
 NIE 98.4 340 Pg 8:22:26.12 0.07  
 LANS 114.1 303 Pg 8:22:28.86 0.02  
 Sg 22:42.75 -1.98  
 STZU 144.6 71 Pn 8:22:34.14 0.60

943.

2024-06-27 time: 9:07:29.27 UTC ML= 0.6  
 lat: 47.265N lon: 18.223E h= 0.0 km  
 erh= 1.3km erz= 154km  
 nr= 6 gap=225 rms=0.09  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.3	14	Pg	9:07:31.25	-0.03
			Sg	07:32.97	0.13
PKST	14.3	267	Pg	9:07:31.88	0.06
			Sg	07:33.68	-0.14
PKSG	18.9	42	Pg	9:07:32.70	0.05
			Sg	07:35.13	-0.16

944.

2024-06-27 time: 9:19:18.55 UTC ML= 1.7  
 lat: 48.959N lon: 21.364E h= 0.0 km  
 erh= 2.4km erz= 4.1km  
 nr= 16 gap= 96 rms=0.90  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	51.6	350	Pg	9:19:27.86	0.09
			Sg	19:34.12	-0.84
KOLS	66.6	92	Pg	9:19:31.56	1.11
			Sg	19:38.34	-1.39
ABAH	74.3	187	Pg	9:19:33.13	1.31
			Sg	19:40.62	-1.55
KECS	83.6	231	Pg	9:19:34.04	0.57
			Sg	19:43.93	-1.18
NIE	92.1	304	Pg	9:19:35.30	0.30
			Sg	19:47.58	-0.25
STZU	92.3	86	Pg	9:19:35.79	0.75
			Sg	19:48.05	0.15
TRPA	126.6	137	Pg	9:19:40.17	-0.98
LANS	140.2	279	Sn	9:20:00.26	-1.94
PSZ	158.8	223	Pn	9:19:45.78	0.39
			Sn	20:05.66	-0.66

945.

2024-06-27 time: 9:29:30.06 UTC ML= 1.6  
 lat: 47.095N lon: 17.991E h= 0.0 km  
 erh= 2.0km erz= 816km  
 nr= 17 gap=110 rms=0.72  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.5	10	Pg	9:29:33.45	0.09
			Sg	29:35.33	-0.62
TIH	22.9	199	Pg	9:29:35.09	0.94
			Sg	29:38.14	0.80
MPLH	35.3	284	Pg	9:29:36.73	0.38
			Sg	29:39.63	-1.63
CSKK	36.1	34	Pg	9:29:37.44	0.93
			Sg	29:40.65	-0.89
PKSG	44.8	43	Pg	9:29:38.38	0.33
			Sg	29:43.93	-0.36
PKS9	60.6	159	Sg	9:29:49.73	0.41
MORH	109.8	153	Pg	9:29:49.65	-0.01
			Sg	30:03.66	-1.29
PKSM	110.1	153	PgU	9:29:49.73	0.02
			Sg	30:03.73	-1.32

## Hypocenter Parameters

KOVH 112.2 176 Pg 9:29:50.08 -0.01  
Sg 30:04.32 -1.40

946.

2024-06-27 time: 21:37:33.95 UTC ML= 1.2  
lat: 46.062N lon: 17.613E h= 10.0 km  
erh= 3.1km erz= 2.7km  
nr= 18 gap= 82 rms=0.83  
Locality: Kálmánca  
Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	37.8	86	PgU	21:37:40.12	-0.81
			Sg	37:45.53	-0.85
PKSV	53.2	111	Pg	21:37:45.13	1.52
PKS9	77.7	41	Sg	21:37:58.86	0.00
PKSM	81.2	78	Pg	21:37:48.88	0.31
			Sg	37:59.06	-0.90
MORH	81.5	78	Pg	21:37:48.92	0.30
			Sg	37:58.99	-1.07
MOSL	83.2	233	Pg	21:37:49.12	0.20
			Sg	37:59.68	-0.92
KOGS	113.5	292	Sn	21:38:08.21	-1.18
PKB1	121.1	48	Sn	21:38:10.17	-0.91
MPLH	123.4	357	Pn	21:37:55.46	0.37
RCF6	131.1	283	Sn	21:38:12.73	-0.57
PKST	137.0	14	Pn	21:37:57.68	0.90
			Sn	38:14.15	-0.44
BLY	149.7	193	Sn	21:38:17.92	0.49
CRES	169.2	261	Sn	21:38:24.44	2.69

947.

2024-06-27 time: 23:00:04.74 UTC ML= 1.1  
lat: 46.137N lon: 17.577E h= 12.5 km  
erh= 6.3km erz= 5.6km  
nr= 14 gap=110 rms=0.81  
Locality: Homokszentgyörgy  
Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	40.8	98	PgD	23:00:11.60	-0.75
			Sg	00:16.69	-1.60
PKSV	59.1	118	Pg	23:00:16.70	1.17
PKSM	82.6	84	Pg	23:00:20.30	0.64
			Sg	00:30.59	-0.70
MORH	82.9	84	Pg	23:00:20.13	0.43
			Sg	00:30.75	-0.62
MOSL	86.4	228	Pg	23:00:20.74	0.41
			Sg	00:31.34	-1.15
KOGS	107.9	289	Sn	23:00:37.48	-0.89
MPLH	114.9	359	Pn	23:00:25.46	0.96
			Sn	00:39.04	-0.88
PKB1	117.9	52	Sn	23:00:40.69	0.11
PTJ	128.1	258	Sn	23:00:42.68	-0.17

948.

2024-06-28 time: 6:41:45.43 UTC ML= 1.8  
lat: 46.116N lon: 17.994E h= 0.0 km  
erh= 2.4km erz= 607km  
nr= 11 gap=143 rms=0.50  
Locality: Bükkösd  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	8.7	111	PgU	6:41:47.27	0.28
			Sg	41:48.21	0.00
PKSV	32.2	142	Pg	6:41:51.54	0.35
			Sg	41:55.88	0.20
PKSM	51.1	78	Pg	6:41:54.36	-0.20
			Sg	42:00.85	-0.83
MORH	51.4	78	Pg	6:41:54.68	0.06
			Sg	42:01.20	-0.58

## Földrengés paraméterek

PKS9 56.8 23 Pg 6:41:56.25 0.68  
Sg 42:02.85 -0.62  
MOSL 111.3 240 Sg 6:42:18.81 -2.00

949.

2024-06-28 time: 7:13:34.75 UTC ML= 1.8  
lat: 47.801N lon: 19.933E h= 0.0 km  
erh= 6.1km erz= \*\*\*km  
nr= 6 gap=208 rms=0.74  
Locality: Gyöngyössolymos  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	13.3	348	PgU	7:13:37.51	0.38
			Sg	13:39.37	0.38
PENC	48.8	269	Sg	7:13:50.03	-0.23
KECS	86.3	29	Sg	7:14:01.30	-0.88
ABAH	111.9	61	Pg	7:13:55.33	0.59
			Sg	14:08.50	-1.82

950.

2024-06-28 time: 7:58:14.16 UTC ML= 1.7  
lat: 48.181N lon: 16.989E h= 0.0 km  
erh= 0.7km erz= 150km  
nr= 6 gap=145 rms=0.09  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	8.6	79	PgU	7:58:15.77	0.07
			Sg	58:16.75	-0.15
MODS	30.3	45	Pg	7:58:19.51	-0.06
			Sg	58:23.96	0.17
RONA	74.5	224	Pg	7:58:27.48	0.02
KRUC	107.3	336	Pg	7:58:33.27	-0.04

951.

2024-06-28 time: 11:13:20.60 UTC ML= 1.4  
lat: 47.526N lon: 16.374E h= 0.0 km  
erh= 2.4km erz= 3.4km  
nr= 16 gap= 75 rms=1.07  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	20.2	343	PgU	11:13:25.03	0.82
			Sg	13:26.57	-0.46
SOP	22.4	38	Pg	11:13:25.89	1.30
			Sg	13:28.13	0.42
CONA	59.0	319	Pg	11:13:31.74	0.60
			Sg	13:37.66	-1.70
ARSA	71.1	245	Pg	11:13:34.62	1.31
			Sg	13:42.62	-0.60
MPLH	96.5	114	Sg	11:13:51.66	0.38
MODS	116.0	36	Sg	11:13:55.28	-2.18
KOGS	120.1	184	Sg	11:13:58.28	-0.51
PKST	128.8	103	Sg	11:14:00.31	-1.24
SMOL	135.2	36	Sn	11:14:01.89	-1.23
GROS	135.7	209	Sn	11:14:01.48	-1.75
SOKA	138.7	227	Sn	11:14:03.27	-0.64
KRUC	170.8	1	Sn	11:14:10.77	-0.27

952.

2024-06-30 time: 3:27:27.88 UTC ML= 1.8  
lat: 45.526N lon: 16.121E h= 7.1 km  
erh= 1.7km erz= 1.3km  
nr= 26 gap=167 rms=0.51  
Locality: Croatia  
Comments:



## Hypocenter Parameters

## Földregés paraméterek

ABAH 66.7 161 Sg 58:37.40 -0.47  
 Pg 10:58:29.76 0.74  
 Sg 58:38.02 -0.29  
 NIE 77.1 323 Pg 10:58:31.48 0.60  
 Sg 58:40.67 -0.95  
 HOLU 112.4 109 Pg 10:58:36.67 -0.50  
 LANS 112.7 286 Pg 10:58:36.86 -0.37  
 PSZ 130.7 217 Pn 10:58:40.51 0.07  
 Sn 58:57.03 -1.61  
 TRPA 143.3 125 Sn 10:59:00.08 -1.34  
 OJC 172.2 331 Pn 10:58:47.23 1.62  
 Sn 59:06.55 -1.29

959.

2024-07-02 time: 0:45:48.34 UTC ML= 0.5  
 lat: 47.232N lon: 18.365E h= 14.7 km  
 erh= 2.8km erz= 1.7km  
 nr= 13 gap=107 rms=0.68  
 Locality: Moha  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	16.5	332	Pg	0:45:52.19	-0.10
			Sg	45:54.87	-0.50
PKSG	17.8	6	PgU	0:45:52.51	0.05
			Sg	45:55.18	-0.50
PKST	25.2	277	Sg	0:45:59.05	1.45
PKB5	76.3	158	Sg	0:46:13.18	0.15
PKB2	91.1	133	S*	0:46:16.63	-0.61
MORH	115.0	169	Pn	0:46:08.87	1.04
			Sn	46:22.18	-0.86
PKSM	115.4	169	Sn	0:46:22.23	-0.90
PKSN	120.1	108	Sn	0:46:24.21	0.04
PSZ	138.1	56	Sn	0:46:29.11	0.94
ZST	143.0	319	Sn	0:46:28.51	-0.75

960.

2024-07-02 time: 8:03:38.74 UTC ML= 1.9  
 lat: 48.458N lon: 17.297E h= 0.0 km  
 erh= 3.9km erz= 7.3km  
 nr= 12 gap=131 rms=1.16  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	9.5	189	PgU	8:03:40.75	0.31
			Sg	03:41.72	-0.05
SMOL	11.5	58	Pg	8:03:41.58	0.79
			Sg	03:42.64	0.25
ZST	32.5	206	Pg	8:03:44.49	-0.06
			Sg	03:48.08	-1.00
JAVC	52.4	32	Sg	8:03:52.33	-3.05
KRUC	94.3	315	Pg	8:03:56.92	1.34
			Sg	04:08.53	-0.19
CONA	121.9	241	Sg	8:04:14.90	-2.59
MORC	147.7	7	Pn	8:04:05.14	0.95
			Sn	04:21.96	-2.08

961.

2024-07-02 time: 8:08:08.18 UTC ML= 1.5  
 lat: 48.763N lon: 20.813E h= 0.0 km  
 erh= 6.4km erz= \*\*\*km  
 nr= 7 gap=175 rms=1.05  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	39.4	218	Pg	8:08:16.08	0.87
			Sg	08:20.09	-0.61
ABAH	60.7	149	Pg	8:08:20.18	1.16
			Sg	08:26.28	-1.19
NIE	81.6	333	Sg	8:08:32.85	-1.27

PSZ 116.0 216 Pg 8:08:29.22 0.32  
 Sg 08:43.13 -1.93

962.

2024-07-02 time: 9:34:46.29 UTC ML= 1.7  
 lat: 48.458N lon: 17.194E h= 0.0 km  
 erh= 2.1km erz= 6.3km  
 nr= 13 gap= 80 rms=0.77  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	11.3	147	PgU	9:34:48.20	-0.11
			Sg	34:49.11	-0.77
SMOL	18.4	70	Pg	9:34:49.84	0.26
			Sg	34:52.10	-0.05
ZST	29.9	193	Pg	9:34:51.96	0.32
			Sg	34:55.14	-0.67
JAVC	56.7	38	Pg	9:34:57.07	0.64
			Sg	35:03.28	-1.05
KRUC	89.2	319	Pg	9:35:03.04	0.82
			Sg	35:13.69	-0.95
RONA	107.7	218	Pg	9:35:06.42	0.90
CONA	115.3	239	Sg	9:35:21.31	-1.62
MORC	148.8	10	Sn	9:35:29.99	-1.85

963.

2024-07-02 time: 9:43:24.42 UTC ML= 0.9  
 lat: 47.211N lon: 18.296E h= 0.0 km  
 erh= 2.9km erz= 749km  
 nr= 7 gap=147 rms=0.50  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.1	351	Pg	9:43:27.95	0.48
			Sg	43:29.51	-0.34
PKST	20.5	285	Pg	9:43:28.52	0.44
			Sg	43:30.23	-0.71
PKSG	21.3	20	Pg	9:43:28.45	0.23
			Sg	43:30.56	-0.63
MORH	113.8	166	Sg	9:43:59.80	-0.80

964.

2024-07-02 time: 10:11:02.88 UTC ML= 1.4  
 lat: 48.512N lon: 17.456E h= 0.0 km  
 erh= 1.8km erz= 456km  
 nr= 9 gap=195 rms=0.34  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	2.1	277	PgU	10:11:03.03	-0.22
			Sg	11:04.12	0.58
MODS	20.3	221	Pg	10:11:06.59	0.09
			Sg	11:09.32	-0.01
JAVC	41.7	22	Pg	10:11:10.76	0.42
			Sg	11:15.63	-0.52
ZST	43.8	217	Sg	10:11:16.52	-0.29
KRUC	99.1	308	Pg	10:11:20.72	0.14
			Sg	11:33.74	-0.65

965.

2024-07-02 time: 14:01:09.69 UTC ML= 1.9  
 lat: 47.345N lon: 18.421E h= 0.0 km  
 erh= 1.7km erz= 2.8km  
 nr= 23 gap= 76 rms=1.05  
 Locality: Zámoly  
 Comments: probably explosion



## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKSG	5.7	337	PgU	14:01:11.18	0.47
			Sg	01:11.82	0.31
CSKK	12.3	280	Pg	14:01:12.51	0.63
			Sg	01:13.64	0.04
PKST	30.7	252	Pg	14:01:16.07	0.89
			Sg	01:18.84	-0.62
BUD	48.1	71	Sg	14:01:25.60	0.64
MPLH	69.5	254	Pg	14:01:23.37	1.28
			Sg	01:30.86	-0.91
PENC	81.6	53	Sg	14:01:34.36	-1.26
PKS9	84.9	187	Sg	14:01:36.23	-0.45
PKS2	112.4	148	Sg	14:01:44.49	-0.91
MORH	126.6	172	Pg	14:01:33.35	1.05
			Sg	01:48.39	-1.55
PKSM	127.0	172	Pg	14:01:33.19	0.82
			Sg	01:48.31	-1.76
PSZ	127.8	60	Pg	14:01:33.43	0.92
			Sg	01:48.93	-1.38
ZST	136.9	314	Sn	14:01:49.56	-3.02
KOVH	141.8	190	Sn	14:01:53.53	-0.15
MODS	142.9	323	Sn	14:01:51.82	-2.10
PKSV	162.4	185	Sn	14:01:56.96	-1.29
JAVC	177.4	342	Sn	14:02:00.23	-1.36

966.

2024-07-02 time: 14:17:00.68 UTC ML= 2.0  
 lat: 47.309N lon: 18.451E h= 0.0 km  
 erh= 2.0km erz= 3.3km  
 nr= 16 gap=115 rms=0.91  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.3	334	PgU	14:17:03.09	0.58
			Sg	17:03.37	-0.57
CSKK	15.6	293	Pg	14:17:04.40	0.94
			Sg	17:05.29	-0.35
PKST	32.0	260	Pg	14:17:07.32	0.93
			Sg	17:10.48	-0.37
MPLH	70.7	257	Sg	14:17:22.32	-0.83
PENC	82.3	49	Sg	14:17:25.83	-1.02
MORH	122.4	173	Sg	14:17:38.86	-0.74
PKSM	122.8	173	Sg	14:17:39.52	-0.21
PSZ	128.0	58	Pg	14:17:24.50	0.97
			Sg	17:40.55	-0.80
KOVH	138.3	191	Sn	14:17:43.44	-0.46
MODS	147.4	323	Sn	14:17:43.59	-2.33
JAVC	181.9	341	Sn	14:17:52.16	-1.41
ZBNS	203.4	4	Sn	14:18:01.05	2.71

967.

2024-07-02 time: 14:29:24.84 UTC ML= 1.7  
 lat: 47.319N lon: 18.490E h= 0.0 km  
 erh= 2.1km erz= 4.3km  
 nr= 11 gap=117 rms=0.59  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.0	317	Pg	14:29:27.04	0.23
			Sg	29:27.57	-0.77
CSKK	18.0	286	Pg	14:29:28.31	0.26
			Sg	29:29.59	-0.97
PKST	35.1	259	Pg	14:29:31.62	0.51
			Sg	29:35.12	-0.88
MPLH	73.8	257	Sg	14:29:49.74	1.43
MORH	123.2	175	Sg	14:30:03.92	-0.10
PKSM	123.7	175	Sg	14:30:03.68	-0.47
PSZ	124.9	58	Sg	14:30:04.70	0.17
KOVH	140.1	192	Sn	14:30:08.20	-0.25

## Hypocenter Parameters

968.

2024-07-02 time: 17:25:48.54 UTC ML= 1.2  
 lat: 47.785N lon: 16.118E h= 10.0 km  
 erh= 1.9km erz= 1.7km  
 nr= 16 gap= 93 rms=0.60  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.4	125	PgU	17:25:52.28	0.32
			Sg	25:54.46	-0.18
CONA	25.0	310	Pg	17:25:53.61	0.27
			Sg	25:56.72	-0.37
SOP	34.9	109	Pg	17:25:55.49	0.47
			Sg	25:59.33	-0.75
WINA	36.1	355	Pg	17:25:55.55	0.33
			Sg	26:00.04	-0.39
ARSA	74.4	217	Pg	17:26:02.08	0.14
			Sg	26:10.98	-1.41
MODS	108.4	53	Pn	17:26:07.57	-0.24
			Sn	26:21.01	-1.84
KRUC	143.5	8	Pn	17:26:12.75	0.56
			Sn	26:29.47	-1.17
VRAC	173.1	12	Pn	17:26:16.80	0.93
			Sn	26:37.18	-0.01

969.

2024-07-02 time: 23:14:56.85 UTC ML= 0.2  
 lat: 47.779N lon: 16.121E h= 8.7 km  
 erh= 0.8km erz= 2.1km  
 nr= 6 gap=157 rms=0.10  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.8	124	Pg	23:15:00.15	0.08
			Sg	15:02.57	-0.01
CONA	25.5	311	Pg	23:15:01.78	0.11
			Sg	15:05.25	-0.17
SOP	34.5	108	Pg	23:15:03.11	-0.09
ARSA	74.0	217	Sg	23:15:20.51	-0.03

970.

2024-07-03 time: 4:45:02.02 UTC ML= 1.5  
 lat: 45.915N lon: 16.196E h= 4.0 km  
 erh= 4.8km erz=12.7km  
 nr= 7 gap=203 rms=0.42  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	18.4	239	Pg	4:45:05.61	0.23
			Sg	45:07.55	-0.45
PTJ	18.5	265	PgD	4:45:05.84	0.43
			Sg	45:07.71	-0.34
CREG	58.2	260	Pg	4:45:12.72	0.27
			Sg	45:19.69	-0.89
BEHE	76.2	36	Sg	4:45:25.89	-0.38

971.

2024-07-03 time: 7:10:13.92 UTC ML= 1.6  
 lat: 48.886N lon: 21.076E h= 0.0 km  
 erh= 2.2km erz= 4.0km  
 nr= 11 gap= 93 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	60.3	12	Pg	7:10:25.58	0.88
			Sg	10:32.98	-0.12

## Hypocenter Parameters

Station	Dist	Azm	Phase	hr mn sec	res
KECS 62.4 224			Pg	7:10:25.19	0.13
			Sg	10:33.03	-0.71
ABAH 66.7 170			Pg	7:10:26.10	0.27
			Sg	10:35.29	0.18
NIE 81.3 317			Sg	7:10:38.98	-0.79
			Pg	7:10:29.71	0.08
KOLS 88.0 87			Sg	10:39.92	-1.96
			Pn	7:10:38.57	0.33
PSZ 138.6 219			Pn	10:55.94	-1.27
			Sn		

972.

2024-07-03 time: 8:10:07.86 UTC ML= 1.3  
 lat: 48.207N lon: 17.008E h= 0.0 km  
 erh= 3.4km erz= 394km  
 nr= 5 gap=303 rms=0.18  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST 7.1 100			PgU	8:10:08.99	-0.13
			Sg	10:10.22	0.11
MODS 27.2 47			Pg	8:10:12.87	0.15
			Sg	10:16.66	0.15
SMOL 46.2 42			Sg	8:10:22.20	-0.34

973.

2024-07-03 time: 8:45:33.60 UTC ML= 1.1  
 lat: 46.209N lon: 18.265E h= 0.0 km  
 erh= 1.7km erz= 358km  
 nr= 9 gap=176 rms=0.27  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH 18.6 223			Pg	8:45:37.01	0.09
			Sg	45:39.89	0.38
PKSM 29.0 89			Pg	8:45:38.88	0.09
			Sg	45:42.93	0.10
MORH 29.3 89			Pg	8:45:39.11	0.28
			Sg	45:42.85	-0.05
PKSV 35.7 182			Pg	8:45:39.73	-0.25
			Sg	45:44.32	-0.63
PKB4 41.2 39			Sg	8:45:46.26	-0.43

974.

2024-07-03 time: 8:57:34.25 UTC ML= 1.5  
 lat: 48.960N lon: 20.281E h= 0.0 km  
 erh= 4.8km erz= 6.3km  
 nr= 8 gap= 96 rms=1.13  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
NIE 51.1 3			Pg	8:57:44.79	1.42
			Sg	57:49.36	-1.13
KECS 55.1 164			Sg	8:57:51.74	-0.03
			Sg	8:57:53.61	-0.69
PSZ 119.3 194			Sg	8:58:11.45	-0.73
			Sn	8:58:17.49	-1.32
OJC 144.4 346			Pn	8:58:00.70	1.21
			Sn	58:17.68	-1.49

975.

2024-07-03 time: 9:08:53.77 UTC ML= 1.7  
 lat: 46.037N lon: 22.824E h= 0.0 km  
 erh= 5.0km erz= \*\*\*km  
 nr= 6 gap=166 rms=0.74  
 Locality: Romania  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
DEV 18.2 160			Pg	9:08:57.37	0.36
			Sg	08:59.31	-0.23
SURR 62.7 240			Pg	9:09:05.50	0.53
			Sg	09:12.46	-1.24
DRGR 84.3 354			Pg	9:09:09.24	0.42
			Sg	09:18.87	-1.70

976.

2024-07-03 time: 9:29:19.79 UTC ML= 1.8  
 lat: 46.859N lon: 17.360E h= 0.0 km  
 erh= 4.2km erz= 897km  
 nr= 11 gap=210 rms=0.72  
 Locality: Lesencetomaj  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH 37.2 21			Pg	9:29:26.75	0.32
			Sg	29:32.00	0.39
EGYH 62.1 358			Sg	9:29:38.10	-1.43
			Pg	9:29:32.54	0.64
PKST 67.8 49			Sg	29:41.46	0.11
			Pg	9:29:50.54	-0.43
PKSG 98.1 53			Pg	9:29:38.57	0.43
			Sg	29:51.17	-1.29
KOVH 102.8 146			Pg	9:29:41.93	0.39
			Sg	29:58.29	-0.21
PKSM 121.8 126			Pg	9:29:41.93	0.39
			Sg	29:58.29	-0.21
PKSV 127.8 148			Sg	9:29:58.21	-2.22

977.

2024-07-03 time: 20:18:55.88 UTC ML= 0.8  
 lat: 48.047N lon: 20.778E h= 0.3 km  
 erh= 4.5km erz= 844km  
 nr= 5 gap=207 rms=0.66  
 Locality: Miskolctapolca  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH 44.1 51			Pg	20:19:03.79	0.03
			Sg	19:08.81	-1.10
KECS 53.1 336			Pg	20:19:06.17	0.81
			Sg	19:11.96	-0.80
PSZ 67.5 258			Sg	20:19:17.47	0.14

978.

2024-07-04 time: 2:30:40.74 UTC ML= 1.6  
 lat: 47.636N lon: 17.923E h= 4.4 km  
 erh= 1.3km erz= 1.7km  
 nr= 32 gap= 64 rms=0.76  
 Locality: Bana  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SRO 35.4 56			Pg	2:30:47.72	0.62
			Sg	30:52.85	0.79
CSKK 39.6 140			Pg	2:30:47.98	0.13
			Sg	30:53.16	-0.23
PKST 42.7 169			Sg	2:30:53.92	-0.46
			Pg	2:30:48.62	-0.10
PKSG 44.5 128			Sg	30:54.83	-0.11
			Pg	2:30:50.17	0.35
EGYH 50.7 241			Sg	30:57.28	0.37
			Pg	2:30:51.57	0.22
MPLH 59.3 209			Sg	30:59.08	-0.55
			Pg	2:30:55.55	0.18
TIH 81.8 182			Sg	31:05.91	-0.87
			Pg	2:31:06.46	-1.20
BUD 84.6 102			Sg	2:31:07.73	-0.84
			Pg	2:30:58.19	0.44
ZST 87.4 315			Sg	31:09.74	-1.28
			Pg	2:30:59.62	0.39
MODS 95.2 330			Sg	31:12.35	-1.29
			Pg		
PENC 103.4 80			Pg		
			Sg		

## Földrengés paraméterek

## Hypocenter Parameters

SMOL 104.4 339 Sg 2:31:13.17 -0.77  
 PKS7 114.2 125 Sg 2:31:15.92 -1.13  
 RONA 122.4 273 Pn 2:31:02.39 -0.08  
 Sn 31:16.77 -2.64  
 JAVC 137.3 352 Pn 2:31:04.85 0.51  
 Sn 31:23.94 1.20  
 PSZ 151.1 78 Sn 2:31:24.95 -0.84  
 MORH 167.1 161 Pn 2:31:08.46 0.41  
 Sn 31:28.55 -0.80  
 PKSM 167.5 161 Pn 2:31:10.33 2.24  
 Sn 31:28.77 -0.66  
 KOVH 172.5 176 Pn 2:31:11.30 2.58  
 Sn 31:30.24 -0.31

979.

2024-07-04 time: 7:32:04.41 UTC ML= 1.7  
 lat: 48.608N lon: 18.559E h= 0.0 km  
 erh= 4.6km erz= 3.0km  
 nr= 12 gap=238 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZBNS	58.8	6	Pg	7:32:14.82	-0.09
			Sg	32:21.77	-1.33
LANS	89.9	48	Pg	7:32:20.66	0.19
			Sg	32:33.07	0.08
PSZ	125.3	128	Pg	7:32:27.35	0.56
			Sg	32:42.93	-1.32
KECS	142.9	96	Pn	7:32:29.42	0.15
			Sn	32:48.05	-0.60
NIE	156.8	55	Pn	7:32:31.98	0.98
			Sn	32:50.60	-1.14
ABAH	201.3	100	Sn	7:33:02.05	0.44
STHS	216.0	65	Sn	7:33:06.86	1.99

980.

2024-07-04 time: 8:27:40.45 UTC ML= 1.5  
 lat: 48.538N lon: 20.784E h= 0.0 km  
 erh= 2.9km erz= 6.1km  
 nr= 7 gap=215 rms=0.48  
 Locality: Bódvalenke  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	255	Pg	8:27:44.36	-0.17
			Sg	27:48.24	0.52
ABAH	43.1	129	Pg	8:27:48.47	0.32
			Sg	27:54.49	0.33
PSZ	95.5	224	Pg	8:27:57.41	-0.09
			Sg	28:10.20	-0.60
TRPA	137.8	109	Sn	8:28:20.51	-3.04

981.

2024-07-04 time: 9:25:27.43 UTC ML= 0.3  
 lat: 47.296N lon: 18.213E h= 0.0 km  
 erh= 3.6km erz= 383km  
 nr= 6 gap=202 rms=0.22  
 Locality: Bodajk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	8.3	26	Pg	9:25:28.85	-0.07
			Sg	25:30.38	0.30
PKST	14.1	253	Pg	9:25:30.13	0.18
			Sg	25:31.45	-0.46
PKSG	17.2	51	Pg	9:25:30.58	0.08
			Sg	25:32.58	-0.31

982.

2024-07-04 time: 9:37:35.92 UTC ML= 1.4  
 lat: 47.100N lon: 17.879E h= 0.0 km  
 erh= 2.6km erz= \*\*\*km  
 nr= 14 gap=109 rms=0.90  
 Locality: Veszprém  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	21.2	34	Pg	9:37:39.10	-0.61
			Sg	37:42.39	-0.26
TIH	22.3	177	Pg	9:37:40.90	0.99
			Sg	37:43.91	0.89
MPLH	26.9	287	Pg	9:37:40.38	-0.35
			Sg	37:44.03	-0.45
CSKK	41.1	45	Pg	9:37:44.58	1.32
			Sg	37:48.47	-0.50
PKSG	50.5	50	Pg	9:37:45.78	0.84
			Sg	37:51.06	-0.91
KOVH	113.8	171	Sg	9:38:10.52	-1.57
MORH	114.4	149	Sg	9:38:10.62	-1.68
PKSM	114.7	149	Pg	9:37:56.83	0.42
			Sg	38:11.16	-1.23

983.

2024-07-04 time: 11:00:06.71 UTC ML= 1.8  
 lat: 48.861N lon: 20.902E h= 0.0 km  
 erh= 1.5km erz= 2.3km  
 nr= 18 gap= 71 rms=0.59  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	52.1	216	Pg	11:00:16.61	0.60
			Sg	00:23.27	0.01
STHS	66.6	22	Pg	11:00:19.26	0.66
			Sg	00:27.11	-0.77
ABAH	67.6	158	Pg	11:00:18.34	-0.45
			Sg	00:28.06	-0.15
NIE	75.4	325	Pg	11:00:20.30	0.12
			Sg	00:29.85	-0.83
KOLS	100.9	85	Pg	11:00:24.96	0.24
			Sg	00:38.61	-0.16
LANS	109.7	287	Pg	11:00:26.97	0.66
			Sg	00:40.57	-1.02
PSZ	128.7	215	Pg	11:00:29.85	0.15
			Sg	00:45.87	-1.75
TRPA	145.8	124	Pn	11:00:31.44	-0.48
KWP	156.9	57	Sn	11:00:53.26	-0.79
OJC	170.9	332	Pn	11:00:35.91	0.86
			Sn	00:56.82	-0.33

984.

2024-07-04 time: 11:09:41.92 UTC ML= 1.7  
 lat: 48.424N lon: 17.260E h= 0.0 km  
 erh= 1.2km erz= 340km  
 nr= 10 gap=116 rms=0.26  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.8	168	PgU	11:09:43.18	0.23
			Sg	09:44.14	0.39
SMOL	15.9	51	PgU	11:09:44.71	-0.05
			Sg	09:46.79	-0.19
ZST	27.9	205	Pg	11:09:46.54	-0.37
			Sg	09:50.26	-0.54
JAVC	57.0	32	Pg	11:09:52.04	-0.06
KRUC	95.3	318	Pg	11:09:59.14	0.21
RONA	108.0	222	Pg	11:10:01.51	0.31
CONA	117.8	242	Pg	11:10:02.84	-0.10
			Sg	10:16.49	-2.85*

## Hypocenter Parameters

## Földrengés paraméterek

985.

2024-07-04 time: 14:31:26.32 UTC ML= 1.6  
 lat: 47.073N lon: 19.403E h= 0.0 km  
 erh= 4.0km erz= 755km  
 nr= 7 gap=190 rms=0.49  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.6	261	Pg	14:31:29.76	0.12
			Sg	31:31.76	-0.48
PENC	80.3	353	Pg	14:31:41.67	1.01
			Sg	31:51.58	-0.27
PSZ	101.0	22	Pg	14:31:44.18	-0.18
			Sg	31:57.70	-0.73
PKSM	112.1	211	Pg	14:31:46.28	-0.06

986.

2024-07-04 time: 14:48:22.88 UTC ML= 1.6  
 lat: 47.070N lon: 19.417E h= 0.0 km  
 erh= 2.4km erz= 446km  
 nr= 7 gap=191 rms=0.29  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.7	263	Pg	14:48:26.12	-0.27
			Sg	48:29.22	0.09
PENC	80.8	353	Pg	14:48:37.70	0.40
PSZ	100.9	21	Pg	14:48:40.82	-0.08
			Sg	48:53.87	-1.09
MORH	111.9	212	Pg	14:48:42.83	-0.03
PKSM	112.4	212	Pg	14:48:43.10	0.15

987.

2024-07-05 time: 0:47:46.89 UTC ML= 0.9  
 lat: 47.254N lon: 17.360E h= 9.8 km  
 erh= 1.0km erz= 1.5km  
 nr= 9 gap=229 rms=0.13  
 Locality: Dabrony  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	16.5	124	Pg	0:47:50.15	-0.17
			Sg	47:53.09	0.10
EGYH	18.3	353	Pg	0:47:50.60	0.01
			Sg	47:53.43	-0.04
PKST	51.1	89	Pg	0:47:56.21	0.03
			Sg	48:03.72	0.30
CSKK	69.2	80	Sg	0:48:08.80	-0.31
PKSG	79.5	79	Pg	0:48:01.28	0.09
			Sg	48:12.33	-0.01

988.

2024-07-05 time: 8:36:42.98 UTC ML= 1.0  
 lat: 47.970N lon: 16.052E h= 0.0 km  
 erh= 2.4km erz= 5.5km  
 nr= 9 gap=120 rms=0.71  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.9	252	Pg	8:36:46.05	0.41
			Sg	36:48.38	0.66
RONA	35.1	149	Pg	8:36:49.61	0.36
			Sg	36:53.72	-0.43
ARSA	89.3	206	Sg	8:37:09.65	-1.70
MODS	101.6	64	Sg	8:37:16.00	0.72
KRUC	124.1	12	Pg	8:37:05.32	0.18

Sg 37:21.48 -0.94  
 VRAC 154.2 15 Sn 8:37:28.46 -1.25

989.

2024-07-05 time: 15:00:43.03 UTC ML= 1.5  
 lat: 47.147N lon: 19.306E h= 0.0 km  
 erh= 6.5km erz= 944km  
 nr= 8 gap=159 rms=0.87  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.7	225	Pg	15:00:45.72	-0.11
			Sg	00:48.29	0.28
PENC	71.5	359	Pg	15:00:57.35	1.54
PKB5	75.2	215	Pg	15:00:57.03	0.56
PKB3	80.9	186	Sg	15:01:07.93	-0.81
PSZ	96.5	27	Pg	15:01:00.15	-0.11
			Sg	01:11.73	-1.97
PKSM	115.8	206	Pg	15:01:02.99	-0.72

990.

2024-07-05 time: 15:22:30.28 UTC ML= 1.5  
 lat: 47.175N lon: 19.324E h= 0.0 km  
 erh= 2.9km erz= 790km  
 nr= 6 gap=166 rms=0.46  
 Locality: Újhartyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.8	221	Pg	15:22:33.49	-0.16
			Sg	22:36.18	-0.09
PKSN	51.5	127	Sg	15:22:46.51	-0.15
BSZH	72.7	79	Sg	15:22:53.60	0.21
PSZ	93.1	27	Pg	15:22:47.51	0.59
			Sg	22:58.83	-1.06

991.

2024-07-05 time: 23:47:35.46 UTC ML= 0.4  
 lat: 47.357N lon: 18.275E h= 9.4 km  
 erh= 4.5km erz= 2.4km  
 nr= 9 gap=127 rms=0.22  
 Locality: Csókakő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	1.3	300	PgU	23:47:36.96	-0.20
			Sg	47:37.91	-0.58
PKSG	9.5	66	PgD	23:47:37.87	0.01
			Sg	47:40.00	0.28
PKST	21.2	239	Pg	23:47:39.66	0.05
			Sg	47:43.24	0.39
BUD	58.2	76	Sg	23:47:54.36	0.15
MORH	130.0	167	Sn	23:48:14.61	-0.08
PKSM	130.4	168	Sn	23:48:14.70	-0.07

992.

2024-07-06 time: 13:43:41.06 UTC ML= 1.5  
 lat: 47.242N lon: 17.308E h= 10.0 km  
 erh= 3.1km erz= 1.7km  
 nr= 9 gap=204 rms=0.38  
 Locality: Dabrony  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	19.3	114	Pg	13:43:44.66	-0.29
			Sg	43:48.01	0.03
EGYH	19.5	5	Pg	13:43:45.30	0.32
			Sg	43:47.86	-0.18
PKSG	83.6	79	Pg	13:43:56.50	0.41

## Földrengés paraméterek

## Hypocenter Parameters

Sg 44:06.77 -1.05  
 PKB1 123.8 114 Pn 13:44:02.66 0.40  
 MODS 125.8 359 Sn 13:44:18.83 -0.41  
 KOVH 141.9 155 Pn 13:44:04.23 -0.28

MODS 140.4 344 Sn 5:19:59.51 -0.52

993.

2024-07-06 time: 20:02:53.47 UTC ML= 0.9  
 lat: 45.791N lon: 17.278E h= 16.5 km  
 erh= 4.0km erz= 4.6km  
 nr= 7 gap=178 rms=0.37  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MOSL	45.3	244	Pg	20:03:01.87	-0.22
			Sg	03:09.18	0.38
KOVH	71.8	63	P*	20:03:06.46	-0.13
			S*	03:17.11	0.29
BEHE	84.9	333	S*	20:03:20.98	0.61
PKSM	115.5	66	Sn	20:03:27.93	0.06
MORH	115.9	66	Sn	20:03:27.15	-0.80

994.

2024-07-07 time: 1:09:29.38 UTC ML= 1.5  
 lat: 46.018N lon: 22.067E h= 4.1 km  
 erh= 3.8km erz= 4.6km  
 nr= 10 gap=118 rms=0.90  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	29.6	171	PgU	1:09:34.98	0.25
			Sg	09:39.31	0.41
DEV	66.5	103	Pg	1:09:42.06	0.77
GZR	88.7	141	Sg	1:09:56.52	-1.09
DRGR	99.3	30	Pg	1:09:47.49	0.36
			Sg	09:59.08	-1.89
AMBH	109.9	290	Sg	1:10:02.74	-1.62
CJR	140.9	57	Pn	1:09:54.25	0.78
			Sn	10:11.00	-1.25
LTVH	152.5	355	Sn	1:10:15.39	0.57

995.

2024-07-07 time: 5:19:18.95 UTC ML= 1.5  
 lat: 47.160N lon: 17.792E h= 11.4 km  
 erh= 1.9km erz= 1.6km  
 nr= 22 gap=105 rms=0.72  
 Locality: Hárskút  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	19.2	273	Pg	5:19:22.62	-0.31
			Sg	19:25.31	-0.72
PKST	21.4	59	Pg	5:19:22.98	-0.30
			Sg	19:26.41	-0.26
TIH	29.9	165	PgU	5:19:24.81	0.15
			Sg	19:28.74	-0.37
CSKK	42.1	57	Sg	5:19:32.66	-0.15
PKSG	52.2	60	Pg	5:19:28.55	0.07
			Sg	19:35.49	-0.43
PKS9	73.7	150	Pg	5:19:32.62	0.35
PKB1	86.8	119	Pg	5:19:35.58	1.00
			Sg	19:45.72	-1.06
PKB5	95.5	131	Pg	5:19:37.05	0.93
			Sg	19:48.82	-0.70
PKB4	96.3	140	Sg	5:19:47.18	-2.60
KOVH	121.4	169	Pn	5:19:40.38	0.72
			Sn	19:54.80	-1.02
MORH	123.5	148	Pn	5:19:40.61	0.68
			Sn	19:54.99	-1.30
PKSM	123.8	148	Pn	5:19:40.88	0.92
			Sn	19:54.90	-1.45

996.

2024-07-07 time: 16:34:21.76 UTC ML= 0.8  
 lat: 47.293N lon: 18.296E h= 10.0 km  
 erh= 3.0km erz= 4.2km  
 nr= 7 gap=182 rms=0.23  
 Locality: Fehérváracsurgó  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.3	341	Pg	16:34:24.08	0.01
			Sg	34:25.42	-0.46
PKSG	13.1	33	Pg	16:34:24.90	0.19
			Sg	34:26.98	-0.03
PKST	20.1	259	Sg	16:34:29.40	0.50
TIH	53.3	215	Pg	16:34:31.35	-0.09
			Sg	34:38.81	-0.19

997.

2024-07-07 time: 19:46:58.31 UTC ML= 1.9  
 lat: 45.626N lon: 16.035E h= 10.0 km  
 erh= 2.5km erz= 1.6km  
 nr= 18 gap=216 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CREG	50.2	296	Pg	19:47:06.89	-0.57
			Sg	47:14.24	-0.35
KOGS	92.8	10	Pg	19:47:15.24	0.25
			Sg	47:28.94	0.94
GROS	101.6	336	Pg	19:47:16.32	-0.22
			Sg	47:29.98	-0.77
BEHE	109.9	31	Pn	19:47:18.07	0.30
			Sn	47:32.86	-0.09
PERS	132.8	328	Pn	19:47:20.90	0.27
			Sn	47:36.52	-1.51
SOKA	140.2	326	Pn	19:47:21.91	0.35
			Sn	47:39.80	0.12
OBKA	151.2	310	Pn	19:47:23.27	0.35
			Sn	47:42.79	0.67
KOVH	168.3	72	Pn	19:47:25.66	0.60
			Sn	47:44.73	-1.19
PKSV	174.9	80	Pn	19:47:25.76	-0.12
			Sn	47:45.74	-1.64

998.

2024-07-08 time: 6:08:59.09 UTC ML= 1.8  
 lat: 46.805N lon: 17.308E h= 0.0 km  
 erh= 4.2km erz=10.2km  
 nr= 14 gap=115 rms=1.38  
 Locality: Keszthely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	44.2	23	Pg	6:09:08.06	1.07
			Sg	09:12.62	-0.53
TIH	45.8	77	Sg	6:09:14.11	0.45
PKST	74.8	48	Pg	6:09:14.81	2.37
			Sg	09:22.34	-0.52
KOGS	90.2	244	Sg	6:09:26.28	-1.49
CSKK	95.3	49	Sg	6:09:28.38	-1.00
KOVH	100.3	143	Sg	6:09:32.89	1.93
PKSG	104.9	52	Pg	6:09:17.95	0.12
			Sg	09:29.79	-2.65
PKB4	105.0	109	Sg	6:09:32.31	-0.15
MORH	121.7	123	Sg	6:09:36.89	-0.88
PKSM	121.7	123	Sg	6:09:35.61	-2.18
MODS	174.4	359	Sn	6:09:49.51	-0.81

## Hypocenter Parameters

## Földregés paraméterek

999.

2024-07-08 time: 8:33:29.55 UTC ML= 1.4  
 lat: 46.904N lon: 17.494E h= 0.0 km  
 erh= 4.7km erz= \*\*\*km  
 nr= 12 gap=214 rms=0.94  
 Locality: Diszel  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	29.8	7	Pg	8:33:34.17	-0.70
			Sg	33:38.19	-0.84
TIH	30.4	91	Pg	8:33:35.95	0.97
			Sg	33:40.20	0.98
PKST	57.0	46	Pg	8:33:40.21	0.49
			Sg	33:47.48	-0.18
KOVH	101.9	153	Pg	8:33:48.83	1.09
			Sg	34:00.84	-1.09
MORH	116.7	131	Sg	8:34:06.09	-0.56
PKSM	116.9	131	Pg	8:33:50.68	0.26
			Sg	34:05.04	-1.65
PKSV	127.0	153	Sg	8:34:07.15	-2.77

1000.

2024-07-08 time: 8:44:44.02 UTC ML= 1.3  
 lat: 45.671N lon: 17.258E h= 0.0 km  
 erh= 5.8km erz= 3.7km  
 nr= 10 gap=188 rms=0.46  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MOSL	39.8	261	Pg	8:44:50.98	-0.15
			Sg	44:56.09	-0.59
KOVH	80.1	55	Pg	8:44:58.74	0.41
			Sg	45:09.32	-0.17
PKSV	81.0	73	Pg	8:44:58.93	0.45
			Sg	45:09.37	-0.39
PTJ	104.3	284	Pg	8:45:03.21	0.56
MORH	123.4	61	Pg	8:45:05.59	-0.46
			Sg	45:20.93	-2.30
CRES	141.3	277	Sn	8:45:27.57	-0.32

1001.

2024-07-08 time: 9:11:15.62 UTC ML= 1.5  
 lat: 48.526N lon: 19.339E h= 0.0 km  
 erh= 6.6km erz= 7.2km  
 nr= 10 gap=174 rms=1.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	70.1	8	Sg	9:11:36.66	-1.24
PSZ	79.2	149	Pg	9:11:30.36	0.61
			Sg	11:40.68	-0.09
ZBNS	84.8	323	Sg	9:11:41.66	-0.90
KECS	84.8	93	Pg	9:11:30.64	-0.13
			Sg	11:40.97	-1.61
NIE	122.3	36	Pg	9:11:39.69	2.24
			Sg	11:52.21	-2.26
ABAH	143.0	100	Sn	9:11:58.62	-1.25
STHS	171.0	55	Sn	9:12:08.21	2.11

1002.

2024-07-08 time: 9:16:49.65 UTC ML= 1.6  
 lat: 48.541N lon: 17.474E h= 0.0 km  
 erh= 2.5km erz= 2.9km  
 nr= 13 gap=193 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.5	228	PgU	9:16:50.33	-0.13
			Sg	16:51.12	0.03
MODS	23.6	218	Pg	9:16:53.95	0.08
			Sg	16:56.69	-0.47
JAVC	38.2	22	Pg	9:16:57.10	0.63
			Sg	17:00.86	-0.94
ZST	47.2	216	Pg	9:16:57.98	-0.10
			Sg	17:03.91	-0.75
KRUC	98.2	306	Pg	9:17:08.12	0.94
			Sg	17:20.54	-0.32
RONA	128.2	223	Pg	9:17:13.26	0.71
MORC	137.5	2	Sn	9:17:31.27	-1.42
CONA	137.8	240	Sn	9:17:31.87	-0.89

1003.

2024-07-08 time: 10:00:07.39 UTC ML= 1.7  
 lat: 48.129N lon: 16.881E h= 0.0 km  
 erh= 4.4km erz= 6.6km  
 nr= 13 gap=140 rms=1.18  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.1	66	PgU	10:00:11.12	0.49
			Sg	00:13.22	0.06
MODS	40.1	47	Pg	10:00:14.92	0.36
			Sg	00:19.07	-1.08
SOP	55.1	206	Sg	10:00:24.70	-0.20
RONA	64.7	222	Pg	10:00:19.02	0.08
			Sg	00:27.07	-0.88
JAVC	100.0	36	Pg	10:00:27.85	2.59
			Sg	00:37.98	-1.21
KRUC	109.8	341	Pg	10:00:27.80	0.81
			Sg	00:39.91	-2.37
VRAC	132.9	351	Pn	10:00:30.85	-0.14
			Sn	00:46.95	-2.45

1004.

2024-07-08 time: 10:21:40.55 UTC ML= 1.4  
 lat: 47.555N lon: 18.495E h= 0.0 km  
 erh= 3.3km erz= 2.3km  
 nr= 6 gap=309 rms=0.36  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.7	204	Pg	10:21:44.48	0.41
			Sg	21:47.36	0.54
CSKK	27.7	220	Pg	10:21:45.21	-0.28
			Sg	21:49.10	-0.24
PKST	47.9	227	Sg	10:21:55.59	-0.17
PKSM	149.7	176	Sn	10:22:25.82	-0.47

1005.

2024-07-08 time: 11:45:49.93 UTC ML= 1.3  
 lat: 48.374N lon: 19.861E h= 0.0 km  
 erh= 3.6km erz= \*\*\*km  
 nr= 7 gap=164 rms=0.69  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.8	75	Pg	11:45:59.23	0.77
			Sg	46:05.35	0.23
PSZ	50.7	177	Pg	11:45:59.45	0.47
			Sg	46:05.17	-0.87
LANS	91.1	341	Sg	11:46:18.80	-0.08
ABAH	102.6	95	Sg	11:46:21.40	-1.13
NIE	120.9	16	Sg	11:46:27.49	-0.86

## Földrengés paraméterek

## Hypocenter Parameters

1006.  


---

 2024-07-08 time: 13:37:03.88 UTC ML= 1.1  
 lat: 47.877N lon: 16.069E h= 0.0 km  
 erh= 1.3km erz= 2.2km  
 nr= 8 gap= 92 rms=0.76  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.5	290	Pg	13:37:07.40	0.58
			Sg	37:09.60	0.48
RONA	26.1	139	Pg	13:37:09.23	0.69
			Sg	37:12.62	0.44
ARSA	80.9	211	Sg	13:37:28.17	-1.43
KRUC	133.9	10	Pn	13:37:27.43	-0.18
			Sn	37:43.99	-2.13
JAVC	161.3	47	Pn	13:37:30.73	-0.29

1007.  


---

 2024-07-08 time: 14:17:42.52 UTC ML= 1.5  
 lat: 47.096N lon: 19.387E h= 0.0 km  
 erh= 6.3km erz= \*\*\*km  
 nr= 8 gap=187 rms=0.77  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.0	252	Pg	14:17:46.15	0.41
			Sg	17:48.23	-0.02
PSZ	99.1	23	Pg	14:17:59.63	-0.58
PKS9	101.7	236	Pg	14:18:01.27	0.58
MORH	113.2	210	Pg	14:18:03.11	0.38
			Sg	18:16.78	-1.72
PKSM	113.7	210	Pg	14:18:03.36	0.54
			Sg	18:16.61	-2.05

1008.  


---

 2024-07-08 time: 20:35:03.26 UTC ML= 0.7  
 lat: 47.309N lon: 18.978E h= 8.0 km  
 erh= 1.6km erz= 2.4km  
 nr= 11 gap= 88 rms=0.49  
 Locality: Tököl  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BUD	19.7	10	Pg	20:35:08.04	0.98
PKSG	45.3	282	Pg	20:35:11.66	0.18
			Sg	35:17.83	-0.06
CSKK	54.6	276	Sg	20:35:20.16	-0.63
PKB1	60.0	194	Sg	20:35:22.64	0.14
PKSN	81.6	124	Sg	20:35:29.09	-0.22
PSZ	96.6	45	Pg	20:35:20.52	-0.05
			Sg	35:33.26	-0.82
PKB3	99.8	170	Sg	20:35:34.23	-0.84
PKSM	124.6	192	Pn	20:35:24.85	0.04
			Sn	35:41.96	0.34

1009.  


---

 2024-07-08 time: 23:24:18.16 UTC ML= 0.4  
 lat: 47.316N lon: 18.384E h= 8.1 km  
 erh= 3.5km erz= 3.1km  
 nr= 9 gap= 87 rms=0.21  
 Locality: Zámoly  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	8.4	3	PgD	23:24:20.16	-0.09
			Sg	24:21.61	-0.26
CSKK	10.7	299	Pg	23:24:20.82	0.26
			Sg	24:22.24	-0.19

PKST 27.2 256 Pg 23:24:23.46 0.23  
 Sg 24:26.94 -0.25  
 MORH 123.9 171 Sn 23:24:56.14 -0.20  
 PKSM 124.3 171 Sn 23:24:56.30 -0.13  
 BSZH 142.4 91 Sn 23:25:00.66 0.23

1010.  


---

 2024-07-09 time: 2:52:43.73 UTC ML= 1.7  
 lat: 47.456N lon: 22.499E h= 6.3 km  
 erh= 2.7km erz= 2.3km  
 nr= 18 gap=109 rms=0.83  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CEIR	25.7	360	Pg	2:52:48.41	-0.04
			Sg	52:52.79	0.66
LTVH	45.8	260	Pg	2:52:52.42	0.44
TRPA	75.1	2	Pg	2:52:56.63	-0.55
DRGR	75.5	168	Pg	2:52:56.92	-0.35
			Sg	53:06.60	-1.22
TRSU	79.0	26	Sg	2:53:09.30	0.39
CJR	117.4	135	Pn	2:53:05.12	0.52
			Sn	53:20.32	-0.55
ABAH	132.7	315	Pn	2:53:05.51	-0.99
			Sn	53:21.49	-2.78
STZU	173.8	3	Pn	2:53:12.07	0.45
			Sn	53:32.86	-0.52
DEV	177.5	170	Pn	2:53:13.66	1.57
KECS	188.8	307	Sn	2:53:37.64	0.92
SURR	191.3	189	Sn	2:53:38.95	1.67
PSZ	202.2	285	Pn	2:53:14.25	-0.92
			Sn	53:41.63	1.94

1011.  


---

 2024-07-09 time: 8:27:59.16 UTC ML= 1.4  
 lat: 48.871N lon: 21.350E h= 0.0 km  
 erh= 4.6km erz= 3.4km  
 nr= 11 gap=233 rms=0.77  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	61.1	353	Pg	8:28:09.51	-0.56
			Sg	28:17.76	-0.83
KECS	76.9	236	Pg	8:28:13.35	0.46
			Sg	28:22.88	-0.72
NIE	97.1	309	Pg	8:28:17.30	0.80
			Sg	28:30.56	0.54
LANS	141.1	283	Sn	8:28:42.64	-0.36
PSZ	151.2	225	Pn	8:28:26.13	1.09
			Sn	28:43.00	-2.23
OJC	187.3	323	Pn	8:28:28.87	-0.68
			Sn	28:53.06	-0.19

1012.  


---

 2024-07-09 time: 9:27:43.36 UTC ML= 1.8  
 lat: 47.327N lon: 18.441E h= 0.0 km  
 erh= 2.2km erz=11.1km  
 nr= 11 gap=114 rms=0.68  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.1	332	Pg	9:27:44.90	0.09
			Sg	27:45.64	-0.30
CSKK	14.2	286	PgU	9:27:46.16	0.26
			Sg	27:47.55	-0.33
PKST	31.7	256	Pg	9:27:49.75	0.73
			Sg	27:53.59	0.16
MPLH	70.5	256	Sg	9:28:05.30	-0.46
PKSM	125.0	173	Sg	9:28:22.03	-1.05

## Hypocenter Parameters

PSZ 127.5 59 Pg 9:28:06.85 0.72  
 Sg 28:22.40 -1.49  
 MODS 145.3 323 Sn 9:28:25.05 -3.08

1013.

2024-07-09 time: 9:29:05.47 UTC ML= 1.6  
 lat: 48.688N lon: 21.427E h= 0.0 km  
 erh= 3.8km erz= 4.4km  
 nr= 12 gap=106 rms=1.14  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	73.1	252	Pg	9:29:19.75	1.22
			Sg	29:27.80	-0.92
STHS	82.1	351	Pg	9:29:21.00	0.87
			Sg	29:30.69	-0.87
TRPA	103.1	127	Pg	9:29:24.97	1.09
			Sg	29:36.58	-1.66
NIE	115.0	315	Pg	9:29:25.70	-0.31
			Sg	29:40.60	-1.43
KWP	140.4	42	Sn	9:29:47.37	-1.78
PSZ	142.4	233	Pn	9:29:31.09	0.83
			Sn	29:47.52	-2.07
ZBNS	210.1	284	Sn	9:30:05.45	0.83

1014.

2024-07-09 time: 11:26:56.77 UTC ML= 1.0  
 lat: 47.911N lon: 16.111E h= 0.0 km  
 erh= 2.6km erz= 700km  
 nr= 6 gap=140 rms=0.41  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.7	276	Pg	11:27:00.02	-0.09
			Sg	27:02.40	-0.31
RONA	27.3	149	PgU	11:27:01.85	0.21
			Sg	27:05.07	-0.37
KRUC	129.7	9	Pg	11:27:20.56	0.63
			Sg	27:37.18	-0.81

1015.

2024-07-09 time: 11:29:40.06 UTC ML= 1.1  
 lat: 47.870N lon: 16.063E h= 0.0 km  
 erh= 3.5km erz= 4.4km  
 nr= 9 gap=101 rms=0.97  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.4	293	Pg	11:29:43.58	0.59
			Sg	29:45.68	0.41
RONA	25.8	137	Pg	11:29:45.18	0.52
			Sg	29:48.51	0.26
ARSA	80.0	211	Sg	11:30:03.94	-1.54
KRUC	134.8	10	Pn	11:30:04.45	0.55
			Sn	30:19.78	-2.71
PKST	163.2	115	Sn	11:30:27.31	-1.48
VRAC	164.7	14	Sn	11:30:29.54	0.42

1016.

2024-07-09 time: 11:51:34.21 UTC ML= 0.7  
 lat: 47.203N lon: 18.281E h= 0.0 km  
 erh= 1.5km erz= 2.4km  
 nr= 7 gap=232 rms=0.43  
 Locality: Csőr  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CSKK	17.9	355	Pg	11:51:37.72	0.32
			Sg	51:39.36	-0.54
PKST	19.7	289	Pg	11:51:37.95	0.23
			Sg	51:39.91	-0.56
PKSG	22.6	22	Pg	11:51:38.50	0.26
			Sg	51:41.28	-0.11
PSZ	145.2	57	Sn	11:52:17.25	-1.70

1017.

2024-07-09 time: 14:59:38.84 UTC ML= 1.1  
 lat: 47.420N lon: 16.758E h= 15.3 km  
 erh= 2.9km erz= 2.2km  
 nr= 12 gap=107 rms=0.76  
 Locality: Szakony  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	32.9	333	Sg	14:59:50.13	-0.25
RONA	46.6	312	Pg	14:59:48.51	0.91
			Sg	59:54.14	-0.30
MPLH	65.3	115	Sg	14:59:58.91	-1.25
CONA	87.9	310	P*	14:59:55.17	0.65
			S*	15:00:05.75	-1.00
ZST	90.1	17	S*	14:60:06.79	-0.54
WINA	92.1	326	P*	14:59:56.04	0.89
			S*	15:00:07.27	-0.61
ARSA	95.2	259	S*	14:60:07.69	-1.05
MODS	112.9	20	Sn	14:60:13.00	0.08
GROS	143.3	222	Sn	14:60:20.14	0.48

1018.

2024-07-10 time: 9:08:20.06 UTC ML= 2.1  
 lat: 48.335N lon: 18.515E h= 0.0 km  
 erh= 2.6km erz= 4.0km  
 nr= 18 gap=110 rms=1.02  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	82.8	284	Sg	9:08:45.73	-0.65
PENC	83.2	137	Sg	9:08:45.91	-0.61
JAVC	85.3	313	Pg	9:08:35.89	0.59
			Sg	08:46.01	-1.17
ZBNS	89.3	6	Pg	9:08:36.51	0.49
			Sg	08:47.94	-0.52
MODS	91.8	273	Pg	9:08:37.33	0.87
			Sg	08:47.92	-1.32
ZST	106.0	262	Pg	9:08:39.52	0.53
			Sg	08:52.21	-1.54
PSZ	112.7	114	Sg	9:08:54.50	-1.38
LANS	114.7	38	Pg	9:08:42.19	1.65
			Sg	08:56.16	-0.35
KECS	146.9	84	Sn	9:09:03.35	-1.83
MORC	175.4	336	Pn	9:08:49.63	0.66
			Sn	09:08.81	-2.71
RONA	179.9	247	Pn	9:08:49.38	-0.15
			Sn	09:14.10	1.58

1019.

2024-07-10 time: 9:52:50.61 UTC ML= 1.4  
 lat: 47.811N lon: 19.138E h= 0.0 km  
 erh= 4.9km erz= 7.8km  
 nr= 9 gap=128 rms=0.78  
 Locality: Kosd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	11.0	102	Pg	9:52:52.64	0.07
			Sg	52:54.11	0.01
PSZ	57.8	78	Pg	9:53:01.87	0.94
			Sg	53:09.21	0.22



## Földrengés paraméterek

PKSG 73.0 230 Sg 9:53:13.55 -0.27  
 PKST 103.3 234 Sg 9:53:22.62 -0.83  
 KECS 125.0 53 Pg 9:53:12.33 -0.60  
 Sg 53:26.87 -3.48  
 JAVC 159.4 317 Sn 9:53:39.52 1.01

1020.

2024-07-10 time: 10:08:47.04 UTC ML= 1.9  
 lat: 46.907N lon: 17.294E h= 0.0 km  
 erh= 3.2km erz= 5.5km  
 nr= 16 gap= 91 rms=1.24  
 Locality: Várvölgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	34.8	33	Pg	10:08:53.04	-0.21
			Sg	08:58.34	0.25
PKST	68.6	55	Pg	10:08:58.88	-0.41
			Sg	09:08.57	-0.27
PKS9	83.3	115	Pg	10:09:03.08	1.17
			Sg	09:14.15	0.64
KOGS	94.7	237	Pg	10:09:04.84	0.89
			Sg	09:16.23	-0.91
PKSG	99.2	57	Pg	10:09:06.64	1.89
			Sg	09:17.79	-0.78
SOP	102.7	327	Sg	10:09:18.62	-1.07
PKB1	115.1	97	Sg	10:09:22.54	-1.10
PKSM	129.0	127	Sg	10:09:25.41	-2.64
PKSV	135.1	147	Sn	10:09:26.45	-3.09
ARSA	139.8	286	Pn	10:09:12.76	1.25
			Sn	09:29.01	-1.58

1021.

2024-07-10 time: 16:07:46.08 UTC ML= 2.9  
 lat: 47.487N lon: 22.497E h= 11.4 km  
 erh= 2.4km erz= 1.8km  
 nr= 29 gap=132 rms=0.98  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CEIR	22.2	360	PgU	16:07:50.93	0.39
			Sg	07:55.31	1.30
LTVH	46.4	256	Pg	16:07:54.92	0.31
			Sg	08:02.10	0.83
R1E1	64.9	225	Pg	16:07:57.02	-0.83
TRPA	71.6	3	PgU	16:07:58.84	-0.19
			Sg	08:07.76	-1.37
DRGR	79.0	168	PgU	16:07:59.65	-0.68
			Sg	08:09.88	-1.56
CJR	119.9	136	Pn	16:08:06.81	0.19
			Sn	08:21.41	-1.22
ABAH	130.2	314	Pn	16:08:08.12	0.23
			Sn	08:23.70	-1.20
DEV	180.9	170	Pn	16:08:16.59	2.37
			Sn	08:38.56	2.39
AMBH	184.9	227	Pn	16:08:14.36	-0.35
			Sn	08:36.33	-0.71
KECS	186.6	306	Pn	16:08:15.45	0.52
			Sn	08:36.14	-1.29
SURR	194.7	188	Pn	16:08:18.90	2.96
			Sn	08:39.39	0.16
PSZ	201.1	284	PnD	16:08:16.34	-0.40
			Sn	08:45.00	4.34*
BZS	218.6	198	Pn	16:08:19.16	0.24
			Sn	08:44.52	-0.01
GZR	233.7	175	Sn	16:08:48.01	0.13
KWP	239.0	4	Sn	16:08:49.35	0.30
PENC	244.0	278	Pn	16:08:21.82	-0.26
PKS2	273.2	246	Pn	16:08:24.79	-0.94
VOIR	300.6	139	Pn	16:08:30.41	1.27*
PKB5	302.6	251	Pn	16:08:29.39	0.00*
PKSG	309.9	268	Pn	16:08:29.94	-0.37*

## Hypocenter Parameters

CSKK 320.0 268 Pn 16:08:30.45 -1.11\*  
 PKSM 326.5 244 Pn 16:08:31.35 -1.02\*  
 MORC 445.2 305 Pn 16:08:47.36 0.18\*

1022.

2024-07-11 time: 8:11:52.79 UTC ML= 1.5  
 lat: 46.091N lon: 21.719E h= 14.8 km  
 erh= 2.2km erz= 2.0km  
 nr= 9 gap=114 rms=0.43  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	48.9	140	Pg	8:12:02.28	0.36
			Sg	12:08.88	-0.17
BZS	53.3	189	Pg	8:12:02.13	-0.54
			Sg	12:10.36	-0.02
AMBH	81.8	291	S*	8:12:19.38	0.23
BANR	90.9	210	S*	8:12:22.16	0.56
DRGR	109.0	44	Pn	8:12:11.94	0.41
			Sn	12:25.60	-0.54
GZR	113.1	133	Sn	8:12:26.44	-0.60

1023.

2024-07-11 time: 8:58:02.51 UTC ML= 1.0  
 lat: 47.221N lon: 18.261E h= 0.0 km  
 erh= 1.6km erz= 3.0km  
 nr= 10 gap=138 rms=0.46  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.8	360	Pg	8:58:05.48	0.15
			Sg	58:07.72	0.19
PKST	17.7	284	Pg	8:58:05.85	0.18
			Sg	58:08.36	0.23
PKSG	21.4	27	Pg	8:58:06.21	-0.12
			Sg	58:09.18	-0.12
MPLH	55.0	264	Pg	8:58:12.97	0.64
			Sg	58:19.31	-0.68
PKSM	115.9	165	Sg	8:58:38.26	-1.10
MODS	147.8	330	Sn	8:58:46.89	-0.95

1024.

2024-07-12 time: 7:42:39.91 UTC ML= 1.7  
 lat: 47.314N lon: 18.451E h= 0.0 km  
 erh= 1.8km erz= 582km  
 nr= 9 gap=115 rms=0.43  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.8	333	Pg	7:42:41.84	0.18
			Sg	42:42.30	-0.72
CSKK	15.4	291	Pg	7:42:42.89	0.24
			Sg	42:44.22	-0.58
PKST	32.1	259	Pg	7:42:46.13	0.50
			Sg	42:49.83	-0.27
PKSM	123.4	173	Sg	7:43:18.45	-0.67
PSZ	127.7	58	Pg	7:43:03.07	0.36
			Sg	43:20.01	-0.48

1025.

2024-07-12 time: 8:18:39.55 UTC ML= 1.3  
 lat: 47.966N lon: 16.060E h= 0.0 km  
 erh= 2.1km erz= 3.9km  
 nr= 10 gap=117 rms=0.55  
 Locality: Austria  
 Comments: probably explosion

## Hypocenter Parameters

## Föld rengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CONA	15.4	254	Pg	8:18:42.49	0.18
			Sg	18:44.49	0.03
RONA	34.5	149	Pg	8:18:45.45	-0.26
			Sg	18:49.84	-0.67
MODS	101.2	63	Pg	8:18:58.42	0.79
			Sg	19:12.25	0.52
KRUC	124.4	11	Pg	8:19:01.66	-0.10
			Sg	19:17.59	-1.49
VRAC	154.4	15	Pn	8:19:06.11	0.27
			Sn	19:25.22	-1.12

1026.

2024-07-12 time: 8:28:29.21 UTC ML= 1.4  
 lat: 48.507N lon: 19.342E h= 0.0 km  
 erh= 4.2km erz= \*\*\*km  
 nr= 10 gap=140 rms=1.12  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	72.2	7	Pg	8:28:43.89	1.78
			Sg	28:51.11	-1.06
PSZ	77.2	148	Pg	8:28:43.89	0.89
			Sg	28:53.93	0.17
KECS	84.5	92	Pg	8:28:44.26	-0.05
			Sg	28:54.48	-1.61
NIE	123.9	35	Pg	8:28:52.11	0.77
			Sg	29:07.18	-1.41
JAVC	129.2	288	Pg	8:28:51.84	-0.45
			Sg	29:08.09	-2.19

1027.

2024-07-12 time: 8:29:11.57 UTC ML= 1.4  
 lat: 48.541N lon: 19.343E h= 0.0 km  
 erh= 3.7km erz= 6.9km  
 nr= 10 gap=137 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	68.4	8	Sg	8:29:32.93	-0.39
PSZ	80.4	149	Pg	8:29:26.63	0.69
			Sg	29:36.36	-0.78
ZBNS	83.6	322	Sg	8:29:38.59	0.44
KECS	84.7	94	Pg	8:29:27.09	0.40
			Sg	29:37.63	-0.86
NIE	120.7	36	Pg	8:29:34.53	1.40
			Sg	29:48.77	-1.18
JAVC	128.1	286	Sg	8:29:49.91	-2.37
ABAH	143.0	101	Sn	8:29:55.03	-0.80

1028.

2024-07-12 time: 12:25:02.24 UTC ML= 2.3  
 lat: 45.608N lon: 16.373E h= 7.8 km  
 erh= 2.2km erz= 1.6km  
 nr= 39 gap=127 rms=0.97  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MOSL	29.8	89	Pg	12:25:07.61	-0.13
			Sg	25:11.52	-0.51
ZAG	38.4	310	Pg	12:25:09.35	0.11
			Sg	25:15.47	0.77
PTJ	45.8	315	Sg	12:25:17.17	0.16
R93E	46.4	120	Sg	12:25:17.46	0.25
			Pg	12:25:15.57	-0.20
CRES	75.3	289	Sg	25:25.07	-1.25
			Pg	12:25:17.80	0.00
RCF6	86.8	338	Sg	25:28.64	-1.30
			Pg	12:25:19.72	0.65

sta	dist	azm	phase	hr mn sec	res
BEHE	100.8	18	Pg	12:25:21.05	0.75
			Sg	25:33.56	-0.82
BLY	114.8	146	Pn	12:25:22.86	0.28
			Sn	25:36.76	-1.69
GROS	116.4	325	Pn	12:25:22.58	-0.20
			Sn	25:36.63	-2.17
KOVH	144.4	68	Pn	12:25:25.37	-0.91
			Sn	25:44.78	-0.25
PKSV	149.5	78	Pn	12:25:27.24	0.32
			Sn	25:45.92	-0.25
PERS	150.0	320	Pn	12:25:26.88	-0.09
			Sn	25:44.62	-1.64
SOKA	157.7	319	Pn	12:25:29.68	1.74
			Sn	25:46.02	-1.96
OBKA	173.1	305	Pn	12:25:30.74	0.88
			Sn	25:51.10	-0.29
PKSM	188.4	69	Pn	12:25:32.52	0.76
			Sn	25:55.31	0.52
ROB8	190.1	278	Sn	12:25:55.59	0.43
			Pn	12:25:35.84	3.39
ARSA	193.9	340	Sn	25:59.98	3.96
			Pn	12:25:37.57	3.91
TRI	203.6	273	Pn	12:25:38.59	1.31
			Sn	25:51.10	-0.29
RONA	232.6	359	Pn	12:25:42.05	1.24
			Sn	26:17.49	-1.34*
CONA	260.9	351	Pn	12:25:43.93	0.89
			Sn	26:17.49	-1.34*
WINA	278.8	355	Pn	12:25:46.04	0.77
			Sn	26:17.49	-1.34*
MOA	296.7	327	Pn	12:25:46.04	0.77
			Sn	26:17.49	-1.34*
ABNA	347.9	348	Pn	12:25:52.13	0.48*

1029.

2024-07-12 time: 17:13:50.58 UTC ML= 1.2  
 lat: 45.998N lon: 16.072E h= 0.2 km  
 erh= 3.5km erz= 228km  
 nr= 6 gap=182 rms=0.45  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	14.0	219	Pg	17:13:53.45	0.37
			Sg	13:54.31	-0.72
ZAG	19.7	198	Pg	17:13:54.42	0.32
			Sg	13:56.00	-0.84
CRES	51.4	248	Sg	17:14:06.96	0.04
KOGS	51.9	15	Sg	17:14:07.06	-0.03

1030.

2024-07-13 time: 16:55:40.38 UTC ML= 1.4  
 lat: 47.318N lon: 18.155E h= 8.9 km  
 erh= 0.7km erz= 0.4km  
 nr= 18 gap= 98 rms=0.24  
 Locality: Balinka  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	9.4	58	PgD	16:55:42.65	-0.04
			Sg	55:44.38	-0.12
PKST	11.2	234	PgD	16:55:42.94	0.00
			Sg	55:45.09	0.15
PKSG	19.6	65	PgD	16:55:44.13	-0.09
			Sg	55:47.21	-0.01
MPLH	49.4	251	Pg	16:55:49.39	0.05
			Sg	55:56.07	-0.27
SOP	127.0	289	Sn	16:56:19.06	0.02
MORH	128.1	163	Pn	16:56:02.57	0.33
			Sn	56:19.10	-0.20
PKSM	128.5	163	Pn	16:56:02.30	0.01
			Sn	56:18.37	-1.01
MODS	134.5	331	Pn	16:56:03.31	0.27
			Sn	56:19.97	-0.74
KOVH	136.8	182	Sn	16:56:21.34	0.12
			Pn	16:56:23.09	-0.24
PSZ	146.8	63	Sn	16:56:24.29	0.84

## Földrengés paraméterek

## Hypocenter Parameters

1031.

2024-07-14 time: 1:25:47.20 UTC ML= 0.6  
 lat: 45.668N lon: 21.493E h= 12.4 km  
 erh= 6.0km erz= 4.0km  
 nr= 7 gap=169 rms=0.36  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	11.3	121	Pg	1:25:49.96	-0.24
			Sg	25:52.83	0.29
TIM	22.5	290	Pg	1:25:51.66	-0.13
			Sg	25:55.48	0.11
SURR	50.1	79	Pg	1:25:56.92	0.49
			Sg	26:02.80	-0.82
DRGR	156.3	37	Sn	1:26:31.58	0.00

1032.

2024-07-14 time: 14:25:41.57 UTC ML= 0.8  
 lat: 47.999N lon: 16.513E h= 14.6 km  
 erh= 2.8km erz= 2.4km  
 nr= 10 gap=179 rms=0.33  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
WINA	34.9	290	Pg	14:25:48.45	0.12
			Sg	25:53.50	-0.11
SOP	35.2	174	Sg	14:25:53.19	-0.49
RONA	37.0	206	Pg	14:25:48.91	0.24
			Sg	25:53.93	-0.27
CONA	49.3	261	Pg	14:25:51.07	0.33
			Sg	25:57.58	-0.32
ABNA	109.5	313	Pn	14:26:00.60	0.21
			Sn	26:13.50	-1.56
KRUC	118.6	356	Sn	14:26:16.92	-0.15

1033.

2024-07-14 time: 20:29:51.97 UTC ML= 1.4  
 lat: 47.833N lon: 16.255E h= 12.6 km  
 erh= 1.8km erz= 1.3km  
 nr= 27 gap= 64 rms=0.80  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.2	168	PgD	20:29:55.54	0.05
			Sg	29:57.63	-0.61
SOP	28.2	126	Pg	20:29:57.60	0.11
			Sg	30:01.09	-0.70
CONA	31.2	290	PgU	20:29:58.31	0.33
			Sg	30:01.97	-0.70
WINA	33.3	336	Pg	20:29:58.80	0.47
			Sg	30:03.69	0.40
ARSA	85.0	220	Pg	20:30:07.15	-0.17
			Sg	30:17.57	-1.72
EGYH	93.3	120	S*	20:30:20.77	-1.02
MODS	97.0	52	P*	20:30:08.98	-0.31
			S*	30:20.78	-2.02
ABNA	111.3	327	Pn	20:30:11.12	-0.15
			Sn	30:24.50	-1.82
MPLH	121.7	127	Pn	20:30:13.52	0.96
			Sn	30:28.20	-0.43
KRUC	137.0	4	Pn	20:30:15.18	0.71
			Sn	30:31.95	-0.08
PKST	148.4	115	Sn	20:30:35.34	0.78
MOA	148.9	271	Pn	20:30:16.09	0.14
			Sn	30:34.36	-0.30
SOKA	158.3	216	Sn	20:30:38.15	1.40
PERS	158.6	213	Pn	20:30:20.61	3.44
			Sn	30:37.92	1.10

VRAC 165.9 9 Pn 20:30:19.06 0.98  
 Sn 30:38.60 0.16

1034.

2024-07-14 time: 22:47:51.19 UTC ML= 1.2  
 lat: 45.796N lon: 21.753E h= 1.3 km  
 erh= 5.0km erz= 7.2km  
 nr= 8 gap=133 rms=0.65  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	22.6	208	PgU	22:47:55.56	0.32
			Sg	47:58.44	0.05
SURR	29.3	99	PgD	22:47:56.42	-0.01
			Sg	47:59.74	-0.77
TIM	41.9	261	Pg	22:47:58.74	0.06
			Sg	48:03.38	-1.14
DRGR	133.0	34	Pn	22:48:15.84	1.20
			Sn	48:31.97	-0.96

1035.

2024-07-15 time: 4:56:46.57 UTC ML= 1.8  
 lat: 46.995N lon: 22.915E h= 0.0 km  
 erh=20.2km erz= 9.3km  
 nr= 8 gap=196 rms=1.64  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	27.4	215	Pg	4:56:52.23	0.76
			Sg	56:54.99	-0.30
TRPA	129.4	347	Sg	4:57:24.66	-3.03
SURR	150.8	204	Pn	4:57:13.56	1.16
			Sn	57:30.03	-2.52
GZR	178.4	183	Sn	4:57:37.61	-1.07
BZS	183.0	213	Pn	4:57:18.44	2.02
			Sn	57:38.22	-1.48

1036.

2024-07-15 time: 8:06:36.80 UTC ML= 1.5  
 lat: 48.993N lon: 21.241E h= 0.0 km  
 erh= 1.7km erz= 3.0km  
 nr= 17 gap= 56 rms=0.78  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	47.1	0	Pg	8:06:45.38	0.17
			Sg	06:51.98	0.21
KOLS	75.9	95	Pg	8:06:51.03	0.68
			Sg	07:00.13	-0.79
ABAH	77.5	180	Pg	8:06:50.99	0.35
			Sg	07:00.49	-0.94
KECS	79.4	224	Pg	8:06:51.90	0.93
			Sg	07:01.21	-0.82
NIE	82.6	305	Pg	8:06:52.38	0.84
			Sg	07:02.12	-0.92
STZU	101.2	89	Sg	8:07:08.36	-0.59
KWP	128.1	56	Pg	8:07:00.08	0.41
			Sg	07:16.22	-1.30
LANS	130.7	278	Pn	8:07:00.49	0.36
			Sn	07:15.32	-3.02
TRPA	135.6	135	Sn	8:07:18.30	-1.11
PSZ	155.6	220	Sn	8:07:22.28	-1.56

## Hypocenter Parameters

## Földrengés paraméterek

1037.

2024-07-15 time: 9:09:24.56 UTC ML= 1.4  
lat: 48.580N lon: 20.772E h= 0.0 km  
erh= 3.0km erz= 8.0km  
nr= 12 gap= 89 rms=1.05  
Locality: Tornanádaska  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.7	243	Pg	9:09:28.92	0.12
			Sg	09:32.27	0.17
ABAH	46.8	132	Pg	9:09:33.90	0.99
			Sg	09:39.23	-0.20
PSZ	98.3	222	Pg	9:09:42.74	0.63
			Sg	09:54.50	-1.30
NIE	99.2	340	Pg	9:09:43.39	1.12
STHS	99.3	20	Pg	9:09:42.93	0.65
LANS	114.9	304	Pg	9:09:44.82	-0.25
			Sg	09:59.20	-1.87
KOLS	117.1	70	Sg	9:09:59.66	-2.13
TRPA	140.1	111	Sn	9:10:05.54	-2.64

1038.

2024-07-15 time: 11:28:11.49 UTC ML= 1.0  
lat: 47.904N lon: 16.087E h= 0.0 km  
erh= 0.1km erz= 0.2km  
nr= 6 gap=135 rms=0.31  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.1	279	Pg	11:28:14.73	0.19
			Sg	28:16.79	-0.13
RONA	27.6	145	Pg	11:28:16.68	0.26
			Sg	28:20.22	-0.05
ARSA	84.2	210	Sg	11:28:37.13	-1.12
KRUC	130.7	10	Pn	11:28:34.69	-0.13

1039.

2024-07-15 time: 11:36:48.80 UTC ML= 0.6  
lat: 47.962N lon: 16.155E h= 0.0 km  
erh= 4.1km erz= \*\*\*km  
nr= 5 gap=152 rms=0.46  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	22.2	260	Pg	11:36:53.06	0.29
			Sg	36:55.23	-0.63
RONA	31.1	160	Pg	11:36:54.78	0.43
			Sg	36:57.94	-0.73
KRUC	123.6	8	Sg	11:37:27.88	-0.19

1040.

2024-07-15 time: 13:15:00.05 UTC ML= 1.8  
lat: 47.104N lon: 19.363E h= 0.0 km  
erh= 6.6km erz= 989km  
nr= 8 gap=185 rms=0.72  
Locality: Tatárszentgyörgy  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.6	248	Pg	13:15:03.15	0.13
			Sg	15:04.96	-0.37
PKB5	74.1	220	Pg	13:15:14.36	1.07
PENC	76.5	355	Pg	13:15:14.45	0.73
PSZ	99.0	24	Pg	13:15:16.80	-0.93
PKS9	100.7	235	Pg	13:15:18.05	0.01
PKSM	113.5	209	Pg	13:15:20.08	-0.25
			Sg	15:34.44	-1.70

1041.

2024-07-15 time: 14:05:21.87 UTC ML= 1.3  
lat: 46.233N lon: 16.142E h= 0.0 km  
erh= 3.0km erz= \*\*\*km  
nr= 13 gap=126 rms=0.96  
Locality: Croatia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RCF6	17.9	308	Pg	14:05:25.94	0.87
			Sg	05:28.19	0.63
KOGS	25.3	19	Pg	14:05:27.34	0.95
			Sg	05:29.60	-0.32
PTJ	39.7	201	Pg	14:05:29.56	0.61
			Sg	05:34.35	-0.13
GROS	55.4	297	Sg	14:05:38.79	-0.68
CRES	69.7	230	Pg	14:05:35.37	1.05
			Sg	05:43.57	-0.46
MOSL	83.7	145	Pg	14:05:35.46	-1.35
PERS	90.6	300	Sg	14:05:50.03	-0.64
SOKA	98.5	300	Sg	14:05:51.80	-1.38
ARSA	122.6	337	Sg	14:05:58.61	-2.22

1042.

2024-07-15 time: 14:13:20.75 UTC ML= 0.9  
lat: 47.603N lon: 16.368E h= 0.0 km  
erh= 4.9km erz= 5.2km  
nr= 7 gap=256 rms=0.43  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	12.0	333	PgU	14:13:22.70	-0.19
			Sg	13:24.89	0.32
SOP	16.8	58	Pg	14:13:23.79	0.03
			Sg	13:26.09	-0.01
CONA	52.4	314	Pg	14:13:30.79	0.68
			Sg	13:36.56	-0.85
KRUC	162.2	1	Pn	14:13:47.62	-0.39

1043.

2024-07-16 time: 1:20:33.53 UTC ML= 1.4  
lat: 47.310N lon: 18.179E h= 10.0 km  
erh= 1.9km erz= 1.4km  
nr= 28 gap= 69 rms=0.94  
Locality: Balinka  
Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.5	46	Pg	1:20:36.70	0.83
			Sg	20:37.03	-0.67
PKST	12.3	242	Pg	1:20:37.78	1.42
			Sg	20:38.18	-0.38
PKSG	18.4	60	Pg	1:20:36.77	-0.50
			Sg	20:39.79	-0.40
TIH	50.5	205	Pg	1:20:42.68	-0.04
			Sg	20:49.82	-0.07
MPLH	50.8	252	Sg	1:20:48.97	-1.03
EGYH	65.1	281	Sg	1:20:53.04	-1.41
BUD	66.7	73	Sg	1:20:53.87	-1.08
			Pg	1:20:47.89	0.89
PKB1	74.8	141	Pg	1:20:47.89	0.89
			Sg	20:57.35	-0.16
PKB5	90.1	152	Sg	1:21:02.21	-0.14
PKB4	96.1	160	Sg	1:21:02.58	-1.66
MORH	126.8	164	Sn	1:21:11.15	-0.77
S9BD	126.9	165	Sn	1:21:11.35	-0.59
PKSM	127.1	164	Pn	1:20:55.00	-0.14
			Sn	21:11.12	-0.88
KOVH	136.0	183	Pn	1:20:58.06	1.82
			Sn	21:13.85	-0.11
MODS	136.1	330	Sn	1:21:12.16	-1.84

## Földrengés paraméterek

## Hypocenter Parameters

PKSN 136.2 110 Sn 1:21:14.79 0.78  
 SMOL 145.1 337 Sn 1:21:14.40 -1.59  
 PSZ 145.7 62 Pn 1:20:57.35 -0.10  
 Sn 21:17.08 0.97  
 RONA 148.3 287 Pn 1:20:59.06 1.28  
 Sn 21:17.80 1.11

1044.

2024-07-16 time: 8:35:50.39 UTC ML= 1.6  
 lat: 48.585N lon: 20.800E h= 0.0 km  
 erh= 3.9km erz= 8.8km  
 nr= 11 gap=152 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.9	244	Pg	8:35:54.96	-0.05
			Sg	35:58.49	-0.12
STHS	98.0	19	Pg	8:36:07.98	0.09
			Sg	36:19.92	-1.62
NIE	99.3	339	Pg	8:36:10.52	2.39
			Sg	36:20.44	-1.52
PSZ	100.1	222	Pg	8:36:08.89	0.62
			Sg	36:21.73	-0.48
KOLS	115.0	70	Pg	8:36:10.58	-0.34
			Sg	36:25.86	-1.08
STZU	142.2	70	Pn	8:36:15.46	0.31

1045.

2024-07-16 time: 10:01:44.03 UTC ML= 1.6  
 lat: 48.128N lon: 16.923E h= 0.0 km  
 erh= 2.3km erz= 2.7km  
 nr= 19 gap= 85 rms=1.11  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.4	60	Pg	10:01:48.11	1.33
			Sg	01:49.81	0.89
MODS	38.0	44	Pg	10:01:51.44	0.63
			Sg	01:56.16	0.06
RONA	66.8	225	Pg	10:01:56.90	0.94
			Sg	02:04.80	-0.46
CONA	82.2	254	Pg	10:01:59.52	0.81
			Sg	02:09.39	-0.77
JAVC	98.3	34	Sg	10:02:14.71	-0.58
KRUC	110.9	339	Sg	10:02:18.03	-1.26
PKST	127.7	139	Pg	10:02:07.49	0.66
			Sg	02:22.56	-2.05
CSKK	131.5	130	Sn	10:02:23.15	-2.59
VRAC	133.5	350	Pn	10:02:07.89	0.18
			Sn	02:24.11	-2.07
PKSG	137.2	127	Sn	10:02:25.14	-1.85
ARSA	143.4	227	Pn	10:02:09.91	0.97
			Sn	02:26.86	-1.51
MORC	188.9	14	Sn	10:02:38.18	-0.30

1046.

2024-07-16 time: 10:42:41.62 UTC ML= 1.7  
 lat: 46.325N lon: 22.979E h= 0.0 km  
 erh= 6.7km erz= 3.9km  
 nr= 9 gap=198 rms=0.73  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	55.8	338	Pg	10:42:51.34	-0.24
			Sg	42:58.85	-0.50
SURR	91.7	226	Pg	10:42:59.16	1.17
			Sg	43:10.74	-0.03
GZR	104.8	189	Sg	10:43:13.17	-1.75
BZS	131.7	233	Pn	10:43:05.26	0.18

Sn 43:22.72 -0.66  
 TRPA 203.4 351 Pn 10:43:14.50 0.48  
 Sn 43:38.92 -0.37

1047.

2024-07-16 time: 10:58:03.28 UTC ML= 1.6  
 lat: 47.068N lon: 19.414E h= 0.0 km  
 erh= 3.8km erz= 606km  
 nr= 6 gap=191 rms=0.37  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.4	263	Pg	10:58:07.01	0.27
			Sg	58:08.59	-0.85
PSZ	101.3	21	Pg	10:58:21.13	-0.23
PKS9	101.8	238	Pg	10:58:21.57	0.11
PKSM	112.1	212	Pg	10:58:23.70	0.41
			Sg	58:38.44	-0.46

1048.

2024-07-16 time: 16:14:46.39 UTC ML= 2.1  
 lat: 48.882N lon: 22.180E h= 1.6 km  
 erh= 1.3km erz= 2.3km  
 nr= 13 gap=112 rms=0.40  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	8.9	50	PgU	16:14:47.18	-0.83
			Sg	14:49.58	0.32
TRPA	87.7	162	Pg	16:15:02.47	0.41
			Sg	15:14.14	-0.13
STHS	90.6	311	Pg	16:15:02.76	0.20
			Sg	15:15.63	0.45
KWP	91.8	25	Pg	16:15:03.03	0.25
			Sg	15:15.17	-0.39
ABAH	95.2	227	Pg	16:15:03.06	-0.33
			Sg	15:16.58	-0.07
NIE	148.7	294	Pn	16:15:12.19	0.42
			Sn	15:31.18	-0.38
PSZ	200.3	238	Pn	16:15:18.21	0.01
			Sn	15:47.78	4.77*

1049.

2024-07-16 time: 16:16:49.11 UTC ML= 1.7  
 lat: 46.121N lon: 16.104E h= 10.0 km  
 erh= 1.0km erz= 1.6km  
 nr= 30 gap=121 rms=0.43  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RCF6	26.0	335	Pg	16:16:54.17	0.08
			Sg	16:57.93	-0.05
PTJ	27.1	205	PgD	16:16:54.22	-0.04
			Sg	16:58.20	-0.08
ZAG	33.6	195	Pg	16:16:55.13	-0.24
			Sg	17:00.60	0.35
KOGS	38.1	17	Pg	16:16:56.26	0.12
			Sg	17:01.55	-0.07
GOLS	39.0	252	iPg	16:16:56.93	0.62
			iSg	17:02.39	0.47
GCIS	46.5	233	iPg	16:16:57.91	0.31
			iSg	17:03.74	-0.48
DOBS	49.1	274	iPg	16:16:58.61	0.55
			iSg	17:04.54	-0.51
CESS	52.2	252	iPg	16:16:59.35	0.74
			iSg	17:05.84	-0.17
GROS	59.8	309	Pg	16:16:59.38	-0.56
			Sg	17:07.92	-0.46
CRES	59.9	237	Pg	16:17:00.33	0.37

### Hypocenter Parameters

		Sg	17:07.29	-1.13	
LEGS	63.8	253	iPg	16:17:00.68	0.04
		iSg	17:09.61	-0.03	
MOSL	75.8	138	Pg	16:17:02.76	0.00
		Sg	17:11.69	-1.71	
PERS	95.1	307	Pg	16:17:06.08	-0.10
		Sg	17:17.15	-2.34*	
BOJS	95.3	224	iPg	16:17:06.06	-0.17
SOKA	103.0	307	P*	16:17:07.52	-0.07
		S*	17:19.63	-2.38*	
ARSA	133.1	341	Sn	16:17:29.27	0.36

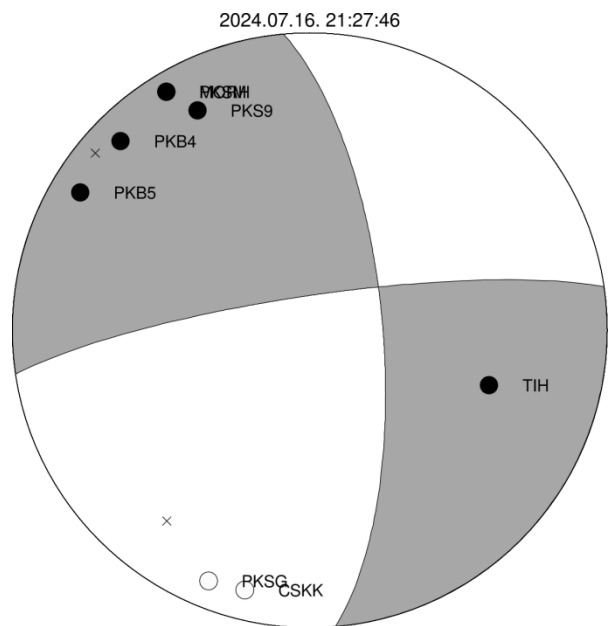
1050.

2024-07-16 time: 21:27:46.59 UTC ML= 2.2  
 lat: 46.862N lon: 18.076E h= 10.9 km  
 erh= 0.8km erz= 0.7km  
 nr= 70 gap= 38 rms=0.56  
 Locality: Ságvár  
 Comments: felt 4 IIS

sta	dist	azm	phase	hr mn sec	res
TIH	14.6	287	PgU	21:27:49.49	-0.35
			Sg	27:51.51	-0.87
PKS9	34.3	153	PgU	21:27:53.91	0.90
			Sg	27:58.93	0.91
PKST	44.2	356	Pg	21:27:54.82	0.10
			Sg	28:00.52	-0.55
MPLH	53.3	310	Pg	21:27:56.15	-0.15
PKB1	55.3	99	Pg	21:27:57.37	0.72
			Sg	28:04.66	0.16
PKB4	57.3	135	PgU	21:27:57.64	0.64
			Sg	28:05.64	0.52
CSKK	57.4	14	PgD	21:27:56.93	-0.09
			Sg	28:04.47	-0.69
PKB5	58.5	121	PgU	21:27:57.88	0.67
			Sg	28:05.74	0.24
PKSG	63.5	22	PgD	21:27:57.87	-0.23
			Sg	28:06.60	-0.47
S9BD	83.3	151	Pg	21:28:01.32	-0.28
			Sg	28:11.60	-1.70
MORH	84.0	149	PgU	21:28:01.50	-0.21
			Sg	28:12.59	-0.93
PKSM	84.3	149	PgU	21:28:01.48	-0.28
			Sg	28:12.67	-0.93
PKS7	85.1	76	Pg	21:28:02.31	0.41
			Sg	28:13.78	-0.07
KOVH	86.0	179	Pg	21:28:01.84	-0.23
			Sg	28:12.77	-1.38
PKB2	91.4	103	Pg	21:28:03.15	0.12
			Sg	28:15.54	-0.32
PKS2	96.2	115	Pg	21:28:04.36	0.48
			Sg	28:16.80	-0.57
PBUD	97.6	47	Pg	21:28:04.02	-0.11
PKB3	98.5	120	Pg	21:28:04.47	0.18
			Sg	28:17.38	-0.71
BUD	99.7	46	P*	21:28:04.04	-0.43
			S*	28:17.03	-1.39
SRO	107.3	10	Pn	21:28:05.47	-0.13
			Sn	28:19.60	-0.83
PKSV	109.1	173	Pn	21:28:06.03	0.21
			Sn	28:18.90	-1.93
PKS6	117.4	104	Pn	21:28:06.88	0.01
			Sn	28:22.03	-0.65
SF5A	124.3	53	Sn	21:28:23.76	-0.45
PKSN	136.6	88	Sn	21:28:26.80	-0.13
PENC	137.7	41	Pn	21:28:11.05	1.66
			Sn	28:28.01	0.83
SOP	146.7	308	Pn	21:28:10.86	0.34
KOGS	147.2	252	Pn	21:28:10.44	-0.13
			Sn	28:27.91	-1.38
RONA	163.7	305	Pn	21:28:12.80	0.16
ZST	165.5	334	Pn	21:28:13.06	0.20
MOSL	172.2	216	Pn	21:28:13.45	-0.25
			Sn	28:36.59	1.74

### Földrengés paraméterek

RCF6	172.5	250	Sn	21:28:37.04	2.13
MODS	178.5	340	Pn	21:28:14.81	0.33
			Sn	28:35.73	-0.50
PSZ	180.6	49	Pn	21:28:15.33	0.58
			Sn	28:37.65	0.94
SMOL	190.0	345	Sn	21:28:39.05	0.26
ARSA	198.7	283	Pn	21:28:17.71	0.70
GROS	202.0	257	Pn	21:28:17.10	-0.32
WINA	204.8	313	Pn	21:28:18.08	0.31
CONA	205.0	305	Pn	21:28:18.14	0.36
PERS	227.6	264	Pn	21:28:20.64	0.04
SOKA	233.4	265	Pn	21:28:21.50	0.17
			Sn	28:48.80	0.38
OBKA	272.7	262	Pn	21:28:27.36	1.13
			Sn	28:57.69	0.54
KRUC	274.9	333	Pn	21:28:27.24	0.74
ABNA	282.3	315	Pn	21:28:28.13	0.71
BZS	306.2	117	Pn	21:28:30.93	0.53*
VOJS	334.8	254	iPn	21:28:34.83	0.86*
MYKA	339.9	266	Pn	21:28:35.13	0.53*



1051.

2024-07-17 time: 10:06:39.61 UTC ML= 1.7  
 lat: 47.306N lon: 16.374E h= 0.0 km  
 erh= 2.2km erz= 6.6km  
 nr= 23 gap= 86 rms=1.06  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	44.1	352	Pg	10:06:48.33	0.84
			Sg	06:53.54	-0.10
SOP	44.2	18	Pg	10:06:48.14	0.64
			Sg	06:53.45	-0.20
ARSA	64.7	265	Pg	10:06:51.71	0.55
			Sg	06:58.66	-1.51
CONA	79.2	331	Pg	10:06:54.94	1.19
			Sg	07:03.86	-0.92
MPLH	89.5	100	Pg	10:06:56.10	0.51
			Sg	07:06.91	-1.15
KOGS	95.8	186	Pg	10:06:58.20	1.48
			Sg	07:09.16	-0.91
RCF6	112.7	196	Sg	10:07:15.09	-0.33
ZST	113.0	29	Sg	10:07:13.27	-2.27
GROS	115.1	215	Pg	10:07:00.65	0.49
			Sg	07:14.07	-2.12

## Földrengés paraméterek

## Hypocenter Parameters

PERS 121.3 232 Pg 10:07:02.33 1.06  
 Sg 07:15.91 -2.25  
 SOKA 123.7 236 Pg 10:07:01.76 0.07  
 Sg 07:17.28 -1.63  
 PKST 125.7 92 Pg 10:07:02.23 0.17  
 MODS 136.6 30 Pn 10:07:03.04 -0.63  
 Sn 07:19.29 -3.16

1052.

2024-07-17 time: 10:07:07.96 UTC ML= 1.9  
 lat: 48.359N lon: 19.856E h= 0.0 km  
 erh= 2.8km erz= 5.9km  
 nr= 14 gap= 83 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	49.0	177	Pg	10:07:16.93	0.21
			Sg	07:23.27	-0.28
PENC	76.3	214	Pg	10:07:22.19	0.60
			Sg	07:30.80	-1.41
LANS	92.6	342	Pg	10:07:25.64	1.14
			Sg	07:36.41	-0.98
ABAH	102.8	94	Pg	10:07:26.21	-0.11
			Sg	07:39.43	-1.21
NIE	122.6	16	Pg	10:07:29.54	-0.31
			Sg	07:45.38	-1.55
ZBNS	124.1	314	Pg	10:07:31.07	0.95
			Sg	07:46.02	-1.39
STHS	155.6	41	Pn	10:07:35.97	1.58
JAVC	170.5	289	Sn	10:07:57.25	-1.08

1053.

2024-07-17 time: 10:08:32.18 UTC ML= 1.6  
 lat: 45.685N lon: 21.850E h= 10.0 km  
 erh= 6.5km erz= 3.5km  
 nr= 8 gap=169 rms=0.37  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.7	247	Pg	10:08:35.81	-0.32
			Sg	08:38.94	-0.27
SURR	22.7	70	Pg	10:08:36.78	0.16
			Sg	08:40.20	0.13
BANR	65.2	239	Sg	10:08:53.29	0.16
AMBH	114.2	310	Sn	10:09:08.56	0.78
DRGR	139.8	28	Pn	10:08:55.46	0.09
			Sn	09:12.36	-1.10

1054.

2024-07-17 time: 14:12:15.90 UTC ML= 1.1  
 lat: 47.536N lon: 16.347E h= 0.0 km  
 erh= 4.0km erz= 4.8km  
 nr= 10 gap=164 rms=1.27  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	18.5	348	PgU	14:12:20.22	1.01
			Sg	12:21.52	-0.27
SOP	22.8	44	Pg	14:12:21.31	1.34
			Sg	12:23.73	0.59
CONA	56.8	320	Sg	14:12:33.94	-0.01
ARSA	69.9	243	Pg	14:12:29.11	0.73
			Sg	12:37.51	-0.60
MODS	116.2	37	Sg	14:12:50.77	-2.05
GROS	135.8	208	Sn	14:12:55.78	-2.77
KRUC	169.7	1	Sn	14:13:04.23	-1.84

1055.

2024-07-18 time: 6:48:46.20 UTC ML= 1.3  
 lat: 47.831N lon: 19.084E h= 0.0 km  
 erh= 6.9km erz= 798km  
 nr= 6 gap=210 rms=0.47  
 Locality: Verőce  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	15.4	107	Pg	6:48:49.43	0.47
			Sg	48:50.78	-0.33
PSZ	61.4	81	Pg	6:48:57.52	0.36
			Sg	49:04.75	-0.97
CSKK	80.9	230	Sg	6:49:11.83	-0.08
PKST	101.4	231	Sg	6:49:18.01	-0.43

1056.

2024-07-18 time: 7:09:16.49 UTC ML= 1.2  
 lat: 47.411N lon: 18.676E h= 0.0 km  
 erh= 4.3km erz= 5.9km  
 nr= 11 gap=154 rms=1.04  
 Locality: Tabajd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.6	264	Pg	7:09:20.31	-0.05
			Sg	09:22.98	-0.39
CSKK	31.8	260	Pg	7:09:22.55	0.38
			Sg	09:26.24	-0.36
PKST	51.3	251	Pg	7:09:25.97	0.31
PKS7	54.6	138	Sg	7:09:34.71	0.86
SF5A	55.5	76	Pg	7:09:28.57	2.17
PSZ	107.5	58	Pg	7:09:35.15	-0.55
			Sg	09:48.57	-2.10
MORH	132.9	181	Sn	7:09:56.95	-1.55
PKSM	133.3	181	Sn	7:09:57.36	-1.24

1057.

2024-07-18 time: 8:01:00.74 UTC ML= 1.5  
 lat: 47.980N lon: 20.368E h= 0.0 km  
 erh= 4.1km erz= 3.2km  
 nr= 10 gap= 99 rms=1.00  
 Locality: Szarvaskő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	36.0	259	Pg	8:01:08.04	0.87
			Sg	01:12.06	-0.13
ABAH	73.8	62	Pg	8:01:15.08	1.17
			Sg	01:23.30	-0.88
LTVH	132.7	120	Sn	8:01:41.37	-1.34
PKS7	137.9	221	Sn	8:01:42.65	-1.22
NIE	160.1	359	Sn	8:01:48.31	-0.47
PKSG	162.2	246	Sn	8:01:47.31	-1.95
PKS6	165.0	202	Sn	8:01:50.05	0.17
CSKK	172.5	247	Sn	8:01:52.14	0.60

1058.

2024-07-18 time: 8:15:05.23 UTC ML= 0.6  
 lat: 47.225N lon: 18.277E h= 0.0 km  
 erh= 0.8km erz= 199km  
 nr= 7 gap=141 rms=0.15  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.4	355	Pg	8:15:08.12	0.14
			Sg	15:09.86	-0.27
PKST	18.8	282	Pg	8:15:08.44	-0.14
			Sg	15:11.18	-0.02

## Hypocenter Parameters

## Földrengés paraméterek

PKSG 20.4 25 Pg 8:15:09.03 0.15  
 Sg 15:11.54 -0.19  
 PKSM 116.0 166 Pg 8:15:26.02 0.07

VRAC 101.8 337 Pg 11:32:07.01 0.16

1059.

2024-07-18 time: 8:35:43.17 UTC ML= 0.7  
 lat: 47.248N lon: 18.246E h= 0.0 km  
 erh= 3.5km erz= 481km  
 nr= 7 gap=227 rms=0.32  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

2024-07-18 time: 11:32:18.26 UTC ML= 1.4  
 lat: 48.443N lon: 17.126E h= 0.0 km  
 erh= 1.9km erz= 429km  
 nr= 7 gap=138 rms=0.28  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.9	5	Pg	8:35:45.81	0.34
			Sg	35:47.68	0.41
PKST	16.1	274	Pg	8:35:45.92	-0.12
			Sg	35:47.72	-0.56
PKSG	19.4	34	Pg	8:35:46.42	-0.22
			Sg	35:48.91	-0.43
MPLH	54.2	261	Pg	8:35:53.11	0.26

sta	dist	azm	phase	hr mn sec	res
MODS	13.6	125	PgU	11:32:20.76	0.06
			Sg	32:22.22	-0.38
ZST	27.5	184	Pg	11:32:23.27	0.09
JAVC	61.2	41	Pg	11:32:29.61	0.41
			Sg	32:36.78	-0.95
KRUC	87.3	322	Pg	11:32:33.72	-0.13
VRAC	103.8	338	Pg	11:32:36.78	-0.02

1060.

2024-07-18 time: 11:29:31.26 UTC ML= 1.5  
 lat: 48.432N lon: 17.091E h= 0.0 km  
 erh= 3.4km erz= 782km  
 nr= 8 gap=146 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

2024-07-18 time: 12:02:42.85 UTC ML= 1.8  
 lat: 47.113N lon: 19.368E h= 0.0 km  
 erh= 6.0km erz= 817km  
 nr= 8 gap=185 rms=0.58  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	15.2	115	PgU	11:29:34.08	0.09
			Sg	29:35.03	-1.08
ZST	26.2	178	Pg	11:29:36.54	0.59
SMOL	26.6	70	Pg	11:29:36.31	0.30
JAVC	63.9	42	Pg	11:29:43.16	0.49
KRUC	86.7	324	Pg	11:29:46.36	-0.39
			Sg	29:56.40	-2.44
VRAC	104.1	339	Pg	11:29:49.60	-0.25

sta	dist	azm	phase	hr mn sec	res
PKS7	17.4	245	Pg	12:02:45.95	0.00
			Sg	02:47.57	-0.80
PKB5	75.2	220	Pg	12:02:57.36	1.09
PENC	75.6	355	Pg	12:02:56.86	0.52
PSZ	97.9	24	Pg	12:03:00.19	-0.13
			Sg	03:12.90	-1.06
PKS9	101.6	235	Pg	12:03:00.92	-0.07
MORH	114.1	209	Pg	12:03:02.79	-0.44

1061.

2024-07-18 time: 11:30:47.34 UTC ML= 1.5  
 lat: 48.455N lon: 17.102E h= 0.0 km  
 erh= 3.1km erz= 477km  
 nr= 6 gap=146 rms=0.28  
 Locality: Slovakia  
 Comments: probably explosion

2024-07-18 time: 13:32:14.36 UTC ML= 1.0  
 lat: 47.866N lon: 16.057E h= 0.0 km  
 erh= 1.9km erz= 2.9km  
 nr= 8 gap=122 rms=0.71  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	15.8	125	PgU	11:30:50.26	0.10
			Sg	30:51.77	-0.60
ZST	28.8	180	Pg	11:30:52.59	0.12
KRUC	85.2	322	Pg	11:31:02.59	0.04
			Sg	31:13.77	-0.64
VRAC	102.0	339	Pg	11:31:05.78	0.24

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	296	Pg	13:32:17.98	0.73
			Sg	32:19.85	0.35
RONA	25.7	136	Pg	13:32:19.49	0.54
			Sg	32:22.32	-0.22
ARSA	79.3	210	Sg	13:32:38.53	-1.03
KRUC	135.4	11	Pn	13:32:38.07	-0.20
			Sn	32:54.96	-1.96
VRAC	165.3	14	Sn	13:33:02.98	-0.58

1062.

2024-07-18 time: 11:31:48.66 UTC ML= 1.4  
 lat: 48.464N lon: 17.129E h= 0.0 km  
 erh= 2.8km erz= 578km  
 nr= 7 gap=137 rms=0.39  
 Locality: Slovakia  
 Comments: probably explosion

2024-07-19 time: 9:34:03.03 UTC ML= 1.9  
 lat: 46.058N lon: 22.791E h= 0.0 km  
 erh= 3.3km erz= 7.3km  
 nr= 12 gap=160 rms=0.86  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	14.9	132	PgU	11:31:51.53	0.21
			Sg	31:52.67	-0.72
ZST	29.8	184	Pg	11:31:54.13	0.14
JAVC	59.4	42	Pg	11:31:59.61	0.34
KRUC	85.7	321	Pg	11:32:03.72	-0.24
			Sg	32:14.59	-1.30

sta	dist	azm	phase	hr mn sec	res
DEV	21.3	156	Pg	9:34:06.63	-0.20
			Sg	34:09.82	0.02
SURR	61.8	237	Pg	9:34:15.30	1.24
			Sg	34:21.76	-0.91
GZR	73.9	181	Pg	9:34:16.03	-0.20
			Sg	34:25.44	-1.08



## Földrengés paraméterek

## Hypocenter Parameters

DRGR 81.8 356 Pg 9:34:18.13 0.50  
 Sg 34:27.45 -1.57  
 BZS 103.6 242 Pg 9:34:22.15 0.62  
 Sg 34:34.90 -1.06  
 DJES 159.7 187 Pn 9:34:30.79 0.81  
 Sn 34:48.05 -2.95

1067.

2024-07-19 time: 10:48:09.02 UTC ML= 2.0  
 lat: 47.117N lon: 19.388E h= 0.0 km  
 erh= 4.4km erz= 586km  
 nr= 7 gap=148 rms=0.38  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.9	246	Pg	10:48:12.24	-0.16
			Sg	48:14.18	-0.86
BSZH	69.6	73	Pg	10:48:21.02	-0.42
PKB5	76.5	221	Pg	10:48:23.31	0.63
PKB4	91.4	221	Pg	10:48:25.43	0.09
PSZ	96.9	23	Pg	10:48:26.59	0.27
PKS9	103.1	235	Pg	10:48:27.39	-0.04

1068.

2024-07-19 time: 17:32:45.67 UTC ML=-0.1  
 lat: 47.737N lon: 16.503E h= 0.0 km  
 erh= 1.4km erz= 422km  
 nr= 7 gap=109 rms=0.28  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	7.3	145	Pg	17:32:47.29	0.31
			Sg	32:48.00	0.00
RONA	16.1	255	Pg	17:32:48.77	0.24
			Sg	32:50.58	-0.19
CONA	52.5	294	Sg	17:33:02.32	-0.03
MODS	91.3	39	Sg	17:33:14.69	0.00
MPLH	100.5	129	Pg	17:33:03.12	-0.49

1069.

2024-07-20 time: 0:37:43.65 UTC ML= 1.4  
 lat: 48.260N lon: 17.362E h= 10.0 km  
 erh= 1.9km erz= 1.2km  
 nr= 15 gap=123 rms=0.51  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	14.2	334	PgD	0:37:46.68	-0.06
			Sg	37:48.35	-0.81
ZST	20.5	250	Pg	0:37:47.89	0.16
			Sg	37:50.31	-0.60
SMOL	28.7	10	Pg	0:37:49.30	0.22
			Sg	37:52.73	-0.58
JAVC	70.5	19	Pg	0:37:56.96	0.60
EGYH	93.7	181	Sg	0:38:12.98	-0.62
RONA	101.0	232	Pg	0:38:02.50	0.72
KRUC	114.2	321	Pn	0:38:04.32	0.68
			Sn	38:18.57	-0.66
CONA	117.7	252	Sn	0:38:19.71	-0.30
MPLH	121.9	174	Sn	0:38:20.51	-0.43
PKSG	123.5	141	Sn	0:38:21.08	-0.22
VRAC	129.6	334	Sn	0:38:22.10	-0.55

1070.

2024-07-20 time: 0:38:05.01 UTC ML= 0.9  
 lat: 48.207N lon: 17.448E h= 1.4 km  
 erh= 9.1km erz=84.7km  
 nr= 5 gap=188 rms=0.45  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	22.4	326	Pg	0:38:09.60	0.58
			Sg	38:11.37	-0.77
SMOL	34.1	358	Sg	0:38:15.44	-0.42
EGYH	88.3	186	Sg	0:38:32.99	-0.09
KRUC	122.7	321	Pg	0:38:26.96	0.04

1071.

2024-07-20 time: 6:06:54.48 UTC ML= 1.1  
 lat: 46.210N lon: 18.219E h= 0.0 km  
 erh= 1.8km erz= 6.3km  
 nr= 15 gap=147 rms=0.67  
 Locality: Magyarország  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	16.4	214	PgU	6:06:58.10	0.69
			Sg	07:00.02	0.33
PKSM	32.6	90	Pg	6:06:59.88	-0.42
			Sg	07:03.84	-1.00
MORH	32.8	89	Pg	6:07:00.13	-0.21
			Sg	07:04.54	-0.37
PKSV	35.8	176	Pg	6:07:00.72	-0.16
			Sg	07:05.52	-0.35
PKS9	42.2	6	Sg	6:07:08.16	0.28
PKB4	43.5	43	Sg	6:07:08.91	0.61
PKB1	77.5	35	Sg	6:07:19.79	0.66
PKB3	78.8	72	Sg	6:07:20.33	0.79
PKS2	82.7	68	Sg	6:07:21.80	1.03
CSKK	128.2	1	Sg	6:07:33.89	-1.35
PKSG	132.0	6	Sn	6:07:34.18	-2.13

1072.

2024-07-20 time: 15:01:25.73 UTC ML= 1.2  
 lat: 45.779N lon: 21.784E h= 1.4 km  
 erh= 3.1km erz=48.5km  
 nr= 5 gap=192 rms=0.13  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	22.3	216	Pg	15:01:29.76	0.04
			Sg	01:32.81	-0.02
SURR	26.6	96	Pg	15:01:30.65	0.15
			Sg	01:33.87	-0.34
TIM	44.1	264	Pg	15:01:33.55	-0.06

1073.

2024-07-20 time: 18:02:15.22 UTC ML= 1.4  
 lat: 46.466N lon: 16.408E h= 10.0 km  
 erh= 2.4km erz= 2.3km  
 nr= 16 gap=127 rms=0.73  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	12.3	261	Pg	18:02:17.64	-0.42
			Sg	02:19.93	-0.33
BEHE	28.2	89	Pg	18:02:20.75	0.18
			Sg	02:24.77	0.03
GROS	69.6	270	Sg	18:02:37.91	0.32
PTJ	71.9	209	Pg	18:02:29.06	0.87

## Hypocenter Parameters

		Sg	02:38.51	0.21	
MOSL	98.5	164	Pg	18:02:32.39	-0.51
		Sg	02:45.18	-1.51	
PERS	100.8	281	Pg	18:02:34.17	0.85
		Sg	02:45.81	-1.63	
CREG	102.3	226	Pg	18:02:34.13	0.55
		Sg	02:47.45	-0.45	
SOKA	108.1	283	Pn	18:02:35.18	0.73
		Sn	02:48.96	-0.49	
ARSA	110.3	322	Sn	18:02:48.37	-1.57

1074.

2024-07-21 time: 7:29:28.37 UTC ML= 1.2  
 lat: 48.036N lon: 17.216E h= 10.0 km  
 erh= 2.7km erz= 2.3km  
 nr= 10 gap=159 rms=0.56  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	19.7	335	Pg	7:29:32.53	0.22
			Sg	29:35.09	-0.30
MODS	37.8	7	Pg	7:29:35.46	0.11
			Sg	29:40.12	-0.68
RONA	78.3	241	Pg	7:29:42.97	0.51
			Sg	29:53.45	-0.01
MPLH	99.3	166	Sg	7:29:59.36	-0.73
CONA	101.8	263	Sg	7:29:58.78	-2.10
KRUC	129.2	332	Pn	7:29:50.89	0.66
			Sn	30:06.76	-0.52

1075.

2024-07-22 time: 9:39:35.38 UTC ML= 1.5  
 lat: 47.276N lon: 18.376E h= 0.0 km  
 erh= 2.8km erz= 6.0km  
 nr= 9 gap=112 rms=0.56  
 Locality: Sárkereszttes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	13.0	5	PgU	9:39:38.10	0.41
			Sg	39:39.88	0.39
CSKK	13.1	318	PgU	9:39:37.55	-0.16
			Sg	39:38.28	-1.25
PKST	25.9	266	Pg	9:39:40.20	0.19
			Sg	39:44.03	0.41
PKSM	120.0	170	Sg	9:40:12.89	-0.63
PSZ	134.7	58	Pn	9:39:59.47	0.26
			Sn	40:15.36	-2.43

1076.

2024-07-22 time: 9:40:48.01 UTC ML= 1.6  
 lat: 47.294N lon: 18.352E h= 0.0 km  
 erh= 2.0km erz= 4.6km  
 nr= 11 gap=110 rms=0.50  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.3	318	PgU	9:40:49.80	-0.06
			Sg	40:50.62	-0.67
PKSG	11.2	15	PgU	9:40:50.40	0.38
			Sg	40:51.63	0.05
PKST	24.4	261	Pg	9:40:52.45	0.09
			Sg	40:55.92	0.16
MPLH	63.1	257	Pg	9:41:00.05	0.78
			Sg	41:07.04	-1.02
PKSM	122.4	170	Sg	9:41:26.51	-0.39
PSZ	135.1	59	Pn	9:41:11.73	-0.17
			Sn	41:28.33	-2.20

## Földrengés paraméterek

1077.

2024-07-22 time: 9:44:49.77 UTC ML= 1.2  
 lat: 47.519N lon: 18.489E h= 0.0 km  
 erh= 3.8km erz= 2.7km  
 nr= 9 gap=294 rms=0.40  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	15.9	208	Pg	9:44:53.03	0.42
			Sg	44:55.36	0.53
CSKK	24.4	225	Pg	9:44:54.04	-0.09
			Sg	44:57.60	0.07
PKST	44.9	230	Pg	9:44:57.60	-0.18
			Sg	45:03.44	-0.59
PKB1	84.8	164	Sg	9:45:15.72	-1.01
MORH	145.3	175	Sn	9:45:34.81	0.27
PKSM	145.8	175	Sn	9:45:34.81	0.18

1078.

2024-07-23 time: 8:17:45.22 UTC ML= 1.1  
 lat: 48.537N lon: 17.370E h= 0.0 km  
 erh= 1.8km erz= 4.8km  
 nr= 7 gap=153 rms=0.77  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.1	121	PgU	8:17:45.93	-0.19
			Sg	17:46.52	-0.30
MODS	19.4	201	Pg	8:17:49.22	0.54
			Sg	17:51.38	-0.01
JAVC	42.1	32	Pg	8:17:53.27	0.53
			Sg	17:58.18	-0.43
CONA	130.9	239	Sn	8:18:22.72	-4.07

1079.

2024-07-23 time: 9:05:25.78 UTC ML= 0.9  
 lat: 47.222N lon: 18.275E h= 0.0 km  
 erh= 2.0km erz= 565km  
 nr= 8 gap=141 rms=0.40  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.7	356	Pg	9:05:29.16	0.58
			Sg	05:30.47	-0.29
PKST	18.7	283	Pg	9:05:29.25	0.14
			Sg	05:31.32	-0.40
PKSG	20.8	25	Pg	9:05:29.30	-0.18
			Sg	05:32.18	-0.19
PKSM	115.8	166	Pg	9:05:46.59	0.14
			Sg	06:00.82	-1.76

1080.

2024-07-23 time: 10:00:02.08 UTC ML= 1.9  
 lat: 48.156N lon: 16.853E h= 0.0 km  
 erh= 2.9km erz= 780km  
 nr= 7 gap=174 rms=0.51  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	19.1	77	Pg	10:00:05.52	0.02
			Sg	00:07.82	-0.34
MODS	39.7	53	Pg	10:00:09.67	0.49
			Sg	00:14.26	-0.46
CONA	78.1	251	Sg	10:00:26.59	-0.32
KRUC	106.2	341	Sg	10:00:36.79	0.95
VRAC	129.5	352	Sg	10:00:42.35	-0.90

## Földrengés paraméterek

## Hypocenter Parameters

1081.

2024-07-23 time: 10:22:50.56 UTC ML= 1.5  
 lat: 46.124N lon: 17.989E h= 0.0 km  
 erh= 2.8km erz= 5.3km  
 nr= 17 gap=104 rms=0.78  
 Locality: Dinnyeberki  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	9.5	115	Pg	10:22:52.74	0.49
			Sg	22:53.42	-0.15
PKSV	33.2	142	Pg	10:22:56.82	0.33
			Sg	23:00.37	-0.74
S9BD	48.5	79	Pg	10:22:59.80	0.58
			Sg	23:04.84	-1.13
PKSM	51.3	79	Pg	10:22:59.99	0.26
			Sg	23:05.52	-1.36
MORH	51.6	79	Pg	10:23:00.08	0.30
			Sg	23:05.82	-1.15
PKB4	62.9	49	Pg	10:23:02.83	1.04
PKB5	77.8	48	Pg	10:23:04.34	-0.10
PKB1	95.9	40	Pg	10:23:08.05	0.36
MOSL	111.4	239	Sg	10:23:23.86	-2.11
MPLH	121.3	344	Sg	10:23:28.00	-1.11
PKSG	144.2	12	Pn	10:23:16.17	0.59
			Sn	23:33.13	-1.96

1082.

2024-07-23 time: 11:02:55.77 UTC ML= 0.8  
 lat: 47.892N lon: 16.072E h= 0.0 km  
 erh= 2.4km erz= 440km  
 nr= 5 gap=218 rms=0.20  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	284	Pg	11:02:58.79	0.13
			Sg	03:00.59	-0.33
RONA	27.2	142	Pg	11:03:00.70	0.07
			Sg	03:04.10	-0.32
ARSA	82.4	210	Sg	11:03:22.17	0.20

1083.

2024-07-23 time: 14:51:43.55 UTC ML= 1.9  
 lat: 48.237N lon: 21.265E h= 0.0 km  
 erh= 2.7km erz= 3.9km  
 nr= 13 gap=105 rms=0.75  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.8	344	PgU	14:51:45.21	0.44
			Sg	51:45.97	0.25
HOLU	88.9	69	Pg	14:51:59.39	-0.03
			Sg	52:11.15	-0.66
KOLS	107.3	44	Pg	14:52:03.44	0.73
			Sg	52:16.27	-1.39
PSZ	108.1	251	Pg	14:52:02.36	-0.49
			Sg	52:16.95	-0.96
NIE	148.9	332	Pn	14:52:08.76	-0.38
LANS	166.8	308	Pn	14:52:12.72	1.34
			Sn	52:30.64	-2.45
DRGR	194.1	146	Pn	14:52:15.51	0.73
			Sn	52:39.10	-0.05

1084.

2024-07-23 time: 15:43:03.38 UTC ML= 1.5  
 lat: 45.547N lon: 17.796E h= 0.0 km  
 erh= 2.5km erz= 576km  
 nr= 14 gap=165 rms=0.49  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	52.0	43	Pg	15:43:13.52	0.85
			Sg	43:19.44	-0.47
KOVH	64.7	21	Pg	15:43:15.51	0.58
			Sg	43:24.41	0.47
MOSL	81.7	275	Pg	15:43:17.81	-0.15
			Sg	43:29.07	-0.27
S9BD	96.6	41	Pg	15:43:20.90	0.27
			Sg	43:33.39	-0.70
PKSM	98.9	42	Pg	15:43:20.96	-0.07
			Sg	43:34.51	-0.29
MORH	99.3	41	Pg	15:43:21.14	0.02
			Sg	43:33.93	-1.02
BLY	100.9	209	Pg	15:43:21.14	-0.25
PKB4	122.7	31	Sg	15:43:40.07	-2.31*

1085.

2024-07-24 time: 6:32:20.74 UTC ML= 1.5  
 lat: 46.994N lon: 18.048E h= 0.0 km  
 erh= 2.1km erz= 6.9km  
 nr= 13 gap= 99 rms=0.79  
 Locality: Balatonalmádi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	15.7	229	Pg	6:32:24.63	1.08
			Sg	32:26.24	0.50
PKST	29.5	358	Pg	6:32:26.16	0.15
			Sg	32:29.79	-0.33
MPLH	43.3	297	Pg	6:32:28.26	-0.21
			Sg	32:33.67	-0.83
CSKK	44.1	21	Sg	6:32:34.39	-0.37
PKSG	51.3	30	Pg	6:32:30.84	0.94
			Sg	32:35.92	-1.13
MORH	97.8	152	Sg	6:32:51.20	-0.62
PKSM	98.1	152	Sg	6:32:50.69	-1.22
KOVH	100.7	178	Sg	6:32:52.04	-0.71
PSZ	173.1	54	Sn	6:33:13.56	1.89

1086.

2024-07-24 time: 8:39:06.43 UTC ML= 1.2  
 lat: 47.772N lon: 19.798E h= 0.0 km  
 erh= 7.4km erz= 9.4km  
 nr= 8 gap=153 rms=1.68  
 Locality: Rózsaszentmárton  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	17.8	24	Pg	8:39:09.76	0.16
			Sg	39:10.43	-1.65
PENC	38.8	273	Pg	8:39:16.15	2.80
PKSN	97.4	177	Sg	8:39:37.89	0.50
PKSG	114.0	248	Sg	8:39:41.86	-0.81
CSKK	124.3	249	Sg	8:39:44.74	-1.21
PKS6	131.5	188	Sn	8:39:47.71	-0.43
PKST	144.6	247	Sn	8:39:47.89	-3.15

## Hypocenter Parameters

## Földrengés paraméterek

1087.

2024-07-24 time: 9:13:07.50 UTC ML= 1.4  
 lat: 47.801N lon: 20.102E h= 0.0 km  
 erh= 7.2km erz= 6.0km  
 nr= 5 gap=212 rms=0.41  
 Locality: Domoszló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.3	310	Pg	9:13:11.65	0.53
			Sg	13:13.63	-0.32
PENC	61.5	269	Sg	9:13:26.52	-0.52
ABAH	101.1	57	Sg	9:13:39.49	-0.15
ZBNS	183.3	324	Sn	9:14:00.64	-0.07

1088.

2024-07-24 time: 9:48:37.36 UTC ML= 0.9  
 lat: 47.857N lon: 16.027E h= 0.0 km  
 erh= 0.8km erz= 1.3km  
 nr= 7 gap=120 rms=0.85  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.7	303	Pg	9:48:40.81	0.82
			Sg	48:42.55	0.52
RONA	26.7	131	Pg	9:48:42.65	0.52
			Sg	48:46.30	0.45
ARSA	77.4	209	Sg	9:49:00.88	-1.09
KRUC	136.7	11	Pn	9:49:00.88	-0.56
			Sn	49:18.26	-1.96

1089.

2024-07-24 time: 9:55:39.70 UTC ML= 1.2  
 lat: 47.858N lon: 16.058E h= 0.0 km  
 erh= 2.0km erz= 4.7km  
 nr= 8 gap= 87 rms=0.60  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.6	298	Pg	9:55:42.88	0.21
			Sg	55:44.95	-0.04
RONA	25.1	134	Pg	9:55:44.77	0.59
			Sg	55:47.03	-0.64
ARSA	78.6	211	Pg	9:55:53.96	0.23
			Sg	56:03.23	-1.45
MODS	107.4	58	Pg	9:55:59.45	0.56
KRUC	136.2	11	Pn	9:56:02.95	-0.77

1090.

2024-07-25 time: 1:15:04.48 UTC ML= 1.1  
 lat: 47.666N lon: 20.327E h= 14.2 km  
 erh= 1.4km erz= 1.3km  
 nr= 9 gap=142 rms=0.31  
 Locality: Tenk  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	41.0	186	Pg	1:15:12.16	-0.06
			Sg	15:18.36	0.11
PSZ	42.9	311	Pg	1:15:12.70	0.16
			Sg	15:18.65	-0.18
PENC	79.6	280	Sg	1:15:29.93	-0.26
ABAH	97.7	44	P*	1:15:22.10	0.33
			S*	15:34.39	-0.86
PKS7	111.8	232	Sn	1:15:38.22	-0.36
LANS	176.9	339	Sn	1:15:53.60	0.55

1091.

2024-07-25 time: 7:38:48.42 UTC ML= 1.6  
 lat: 48.549N lon: 17.365E h= 0.0 km  
 erh= 1.1km erz= 2.6km  
 nr= 11 gap= 97 rms=0.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.1	130	PgU	7:38:49.37	-0.13
			Sg	38:50.09	-0.26
MODS	20.5	198	Pg	7:38:52.43	0.35
			Sg	38:55.31	0.37
JAVC	41.2	33	Pg	7:38:55.94	0.17
			Sg	39:01.75	0.24
ZST	43.8	206	Pg	7:38:56.21	-0.02
			Sg	39:02.43	0.10
KRUC	91.3	309	Sg	7:39:16.34	-1.09
RONA	123.5	220	Pg	7:39:10.58	0.11
CONA	131.3	238	Pn	7:39:11.21	-0.61

1092.

2024-07-25 time: 7:59:30.80 UTC ML= 1.9  
 lat: 48.424N lon: 17.185E h= 0.0 km  
 erh= 1.4km erz= 633km  
 nr= 16 gap= 80 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	8.9	130	PgU	7:59:32.10	-0.29
			Sg	59:33.09	-0.53
SMOL	20.6	61	Pg	7:59:34.08	-0.40
			Sg	59:37.32	-0.03
ZST	26.1	194	Pg	7:59:35.93	0.46
			Sg	59:39.26	0.16
JAVC	60.2	37	Pg	7:59:42.19	0.64
			Sg	59:50.29	0.36
KRUC	91.7	321	Pg	7:59:46.87	-0.30
			Sg	59:59.57	-0.37
RONA	104.3	219	Pg	7:59:49.75	0.32
			Sg	8:00:02.63	-1.33
VRAC	107.5	336	Pg	7:59:49.81	-0.18
			Sg	8:00:04.85	-0.11
CONA	112.8	241	Pg	7:59:52.27	1.32
			Sg	8:00:05.78	-0.89

1093.

2024-07-25 time: 8:03:55.65 UTC ML= 1.8  
 lat: 47.382N lon: 18.388E h= 0.0 km  
 erh= 2.4km erz= 2.4km  
 nr= 14 gap=109 rms=0.97  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	1.1	9	PgU	8:03:56.79	0.94
			Sg	03:56.97	0.97
CSKK	9.9	258	Pg	8:03:57.97	0.55
			Sg	03:58.95	0.16
PKST	30.1	243	Pg	8:04:01.40	0.38
			Sg	04:04.50	-0.70
MPLH	68.4	250	Pg	8:04:08.49	0.62
PSZ	127.9	62	Pg	8:04:18.61	0.12
			Sg	04:34.13	-2.18
PKSM	131.5	172	Sn	8:04:34.64	-2.72
MODS	138.1	323	Pn	8:04:20.04	0.14
			Sn	04:36.88	-1.94
KOVH	145.5	189	Sn	8:04:39.13	-1.33
JAVC	172.7	342	Sn	8:04:45.16	-1.35

## Földrengés paraméterek

## Hypocenter Parameters

1094.

2024-07-25 time: 9:05:11.47 UTC ML= 1.6  
 lat: 46.298N lon: 21.644E h= 10.0 km  
 erh= 3.5km erz= 4.9km  
 nr= 8 gap=141 rms=0.72  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	71.0	275	Sg	9:05:33.58	-0.67
SURR	71.0	148	Pg	9:05:24.87	0.60
			Sg	05:33.52	-0.74
BZS	75.8	182	Pg	9:05:25.60	0.48
			Sg	05:34.78	-0.98
DRGR	98.5	56	Pg	9:05:29.74	0.59
			Sg	05:41.44	-1.51
GZR	133.6	139	Sn	9:05:51.55	0.18

1095.

2024-07-25 time: 10:00:03.09 UTC ML= 1.5  
 lat: 48.116N lon: 16.924E h= 0.0 km  
 erh= 2.6km erz= 4.4km  
 nr= 13 gap=102 rms=0.94  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.0	56	Pg	10:00:06.44	0.49
			Sg	00:08.50	0.32
MODS	38.9	43	Pg	10:00:10.40	0.37
			Sg	00:14.81	-0.63
RONA	65.9	225	Pg	10:00:15.88	1.02
			Sg	00:24.18	0.14
CONA	81.9	255	Pg	10:00:18.86	1.14
			Sg	00:28.14	-0.99
EGYH	83.5	159	Sg	10:00:28.00	-1.64
KRUC	112.2	340	Pg	10:00:23.18	0.06
			Sg	00:37.41	-1.33
VRAC	134.8	350	Sn	10:00:43.27	-2.25
ARSA	142.6	228	Sn	10:00:45.93	-1.32

1096.

2024-07-25 time: 10:20:17.05 UTC ML= 1.6  
 lat: 46.141N lon: 21.675E h= 0.0 km  
 erh= 7.4km erz= \*\*\*km  
 nr= 6 gap=223 rms=0.68  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	55.4	141	Pg	10:20:27.60	0.66
			Sg	20:34.27	-0.38
BZS	58.4	184	Pg	10:20:27.57	0.08
			Sg	20:34.45	-1.18
DRGR	107.6	48	Pg	10:20:36.79	0.53
			Sg	20:50.03	-1.21

1097.

2024-07-25 time: 11:14:36.80 UTC ML= 1.4  
 lat: 47.861N lon: 20.150E h= 0.0 km  
 erh= 9.0km erz= 6.3km  
 nr= 6 gap=189 rms=1.22  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.2	289	PgU	11:14:40.99	0.59
			Sg	14:43.72	0.51
ABAH	94.5	59	Pg	11:14:55.07	1.40
			Sg	15:05.24	-1.60

PKSG 142.2 248 Sn 11:15:19.13 -1.74  
 LANS 152.0 341 Sn 11:15:21.74 -1.32

1098.

2024-07-26 time: 6:36:51.47 UTC ML= 1.5  
 lat: 48.294N lon: 21.549E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 7 gap=128 rms=0.86  
 Locality: Sárospatak  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	22.9	270	Pg	6:36:56.42	0.85
			Sg	36:58.71	-0.06
KOLS	88.9	37	Pg	6:37:08.09	0.74
			Sg	37:18.26	-1.47
LTVH	104.5	165	Sg	6:37:24.29	-0.40
STHS	126.8	350	Sg	6:37:31.76	-0.02
PSZ	130.1	251	Sg	6:37:31.36	-1.47

1099.

2024-07-26 time: 17:37:13.82 UTC ML= 1.4  
 lat: 47.824N lon: 17.220E h= 10.0 km  
 erh= 1.0km erz= 1.3km  
 nr= 21 gap= 79 rms=0.44  
 Locality: Újrónafő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	42.3	348	Pg	17:37:21.96	0.37
			Sg	37:27.70	0.06
EGYH	46.0	169	Sg	17:37:29.25	0.48
SOP	52.0	253	Pg	17:37:23.55	0.27
			Sg	37:30.71	0.05
MODS	61.3	4	Pg	17:37:24.83	-0.08
			Sg	37:32.37	-1.19
RONA	70.6	259	Pg	17:37:26.62	0.06
			Sg	37:36.00	-0.49
SMOL	78.3	11	Pg	17:37:28.00	0.09
SRO	81.9	91	Sg	17:37:39.94	-0.09
PKST	87.7	136	Sg	17:37:40.99	-0.90
WINA	91.3	290	Pg	17:37:30.81	0.59
			Sg	37:42.77	-0.24
PKSG	100.2	119	Sg	17:37:44.32	-1.52
CONA	102.3	277	Pg	17:37:32.43	0.26
			Sg	37:45.73	-0.76
ARSA	142.8	243	Sn	17:37:55.48	-0.27
KRUC	150.6	336	Sn	17:37:57.41	-0.08
ABNA	162.7	305	Sn	17:38:00.61	0.43
MORC	218.5	6	Sn	17:38:13.06	0.51

1100.

2024-07-26 time: 19:48:02.70 UTC ML= 1.0  
 lat: 45.587N lon: 17.433E h= 10.0 km  
 erh= 4.7km erz= 1.7km  
 nr= 8 gap=220 rms=0.38  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MOSL	53.0	273	Pg	19:48:12.17	-0.17
			Sg	48:19.49	-0.36
KOVH	76.1	43	Pg	19:48:16.77	0.36
			Sg	48:27.22	0.12
PKSM	116.7	53	Pn	19:48:23.55	0.54
			Sn	48:38.11	-0.74
MORH	117.1	53	Pn	19:48:23.06	-0.01
			Sn	48:38.38	-0.57

## Hypocenter Parameters

## Földrengés paraméterek

1101.

2024-07-26 time: 22:28:05.01 UTC ML= 0.2  
 lat: 47.430N lon: 18.382E h= 10.8 km  
 erh= 0.5km erz= 0.4km  
 nr= 7 gap=177 rms=0.04  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	4.3	171	Pg	22:28:07.13			0.05
			Sg	28:08.68			-0.02
CSKK	11.7	231	PgD	22:28:07.80			-0.06
			Sg	28:10.05			-0.03
PKST	32.4	234	Pg	22:28:11.11			0.01
			Sg	28:15.93			0.07
SRO	43.0	353	Sg	22:28:19.09			0.00

1102.

2024-07-27 time: 5:34:27.41 UTC ML= 0.7  
 lat: 47.918N lon: 16.418E h= 0.0 km  
 erh= 7.5km erz= \*\*\*km  
 nr= 5 gap=149 rms=0.80  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	25.9	201	PgU	5:34:32.70			0.67
			Sg	34:34.37			-1.27
CONA	41.6	272	Pg	5:34:35.49			0.66
			Sg	34:40.09			-0.53
MODS	81.6	52	Sg	5:34:52.38			-0.97

1103.

2024-07-27 time: 5:40:22.61 UTC ML= 0.0  
 lat: 47.820N lon: 16.288E h= 12.5 km  
 erh= 2.7km erz= 3.1km  
 nr= 10 gap=116 rms=0.67  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	13.4	177	PgD	5:40:25.99			0.11
			Sg	40:28.30			-0.13
SOP	25.3	127	Pg	5:40:28.65			1.00
			Sg	40:31.59			0.01
CONA	34.1	291	Sg	5:40:34.15			0.00
			Pg	5:40:29.52			0.16
WINA	35.7	333	Sg	40:34.52			-0.12
			Sg	5:40:48.78			-1.33
EGYH	90.4	120	Sg	5:40:49.95			-1.65
KRUC	138.3	3	Sn	5:41:03.19			0.21

1104.

2024-07-28 time: 13:51:48.52 UTC ML= 1.2  
 lat: 45.934N lon: 16.098E h= 0.5 km  
 erh= 2.2km erz=37.7km  
 nr= 7 gap=229 rms=0.20  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	11.5	251	Pg	13:51:50.52			-0.06
			Sg	51:51.74			-0.44
ZAG	14.2	214	Pg	13:51:51.29			0.23
			Sg	51:52.95			-0.09
CRES	51.2	256	Pg	13:51:57.90			0.24
			Sg	52:04.68			-0.11
MOSL	62.3	125	Pg	13:51:59.52			-0.13

1105.

2024-07-28 time: 22:21:26.41 UTC ML= 1.3  
 lat: 47.001N lon: 21.462E h= 10.0 km  
 erh= 6.3km erz= 5.9km  
 nr= 7 gap=123 rms=0.78  
 Locality: Komádi  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BORR	26.5	68	Pg	22:21:31.95			0.47
			Sg	21:36.67			1.24
DRGR	98.0	104	Pg	22:21:43.74			-0.27
			Sg	21:56.26			-1.47
TIM	141.8	188	Sn	22:22:08.30			0.18
ABAH	144.9	353	Sn	22:22:07.74			-1.08
PSZ	156.1	311	Sn	22:22:11.82			0.52

1106.

2024-07-28 time: 23:51:02.97 UTC ML= 1.4  
 lat: 47.044N lon: 21.515E h= 19.9 km  
 erh= 1.8km erz= 1.1km  
 nr= 11 gap= 90 rms=0.38  
 Locality: Magyarhomorog  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BORR	21.2	76	Pg	23:51:07.82			-0.34
			Sg	51:12.79			0.57
R1E1	28.9	84	Sg	23:51:14.53			0.39
LTVH	47.8	38	S*	23:51:18.94			-0.33
DRGR	95.3	107	Pn	23:51:19.70			0.35
			Sn	51:31.64			-0.48
AMBH	98.0	218	Sn	23:51:32.70			0.00
ABAH	140.7	352	Sn	23:51:42.44			0.25
SURR	150.9	162	Pn	23:51:25.79			-0.48
			Sn	51:44.92			0.47
PSZ	156.1	309	Sn	23:51:45.60			0.00

1107.

2024-07-29 time: 0:54:52.19 UTC ML= 1.2  
 lat: 47.059N lon: 21.507E h= 18.0 km  
 erh= 1.9km erz= 1.5km  
 nr= 11 gap= 69 rms=0.41  
 Locality: Magyarhomorog  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BORR	21.4	81	PgD	0:54:57.31			0.13
			Sg	55:01.60			0.52
LTVH	46.9	39	Sg	0:55:07.43			-0.72
DRGR	96.4	108	P*	0:55:08.80			-0.12
			S*	55:21.40			-0.57
BSZH	97.7	286	Sn	0:55:22.05			-0.26
AMBH	98.9	217	Sn	0:55:22.42			-0.16
PKSN	126.1	262	Sn	0:55:28.68			0.08
ABAH	139.0	352	Sn	0:55:32.27			0.81
PSZ	154.6	308	Sn	0:55:34.94			0.01
BZS	160.6	177	Sn	0:55:37.06			0.79

1108.

2024-07-29 time: 8:30:35.72 UTC ML= 1.5  
 lat: 48.360N lon: 17.390E h= 0.0 km  
 erh= 1.8km erz= 301km  
 nr= 6 gap=220 rms=0.18  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.5	280	Pg	8:30:37.24			0.00
			Sg	30:38.59			0.16

## Földrengés paraméterek

## Hypocenter Parameters

SMOL 17.3 9 Pg 8:30:38.72 -0.10  
 Sg 30:41.15 -0.08  
 ZST 28.1 230 Pg 8:30:40.97 0.23  
 Sg 30:44.24 -0.41

1109.

2024-07-29 time: 9:31:48.33 UTC ML= 1.7  
 lat: 48.576N lon: 20.806E h= 0.0 km  
 erh= 3.0km erz= 4.9km  
 nr= 15 gap= 89 rms=1.36  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	44.7	134	Pg	9:31:57.32	1.01
			Sg	32:03.26	0.72
STHS	98.8	19	Pg	9:32:06.50	0.53
			Sg	32:18.39	-1.35
PSZ	99.7	223	Pg	9:32:07.55	1.43
			Sg	32:19.83	-0.18
NIE	100.4	339	Pg	9:32:08.45	2.19
			Sg	32:20.55	0.31
KOLS	115.0	70	Pg	9:32:09.71	0.85
			Sg	32:23.40	-1.47
LANS	117.1	303	Pg	9:32:08.27	-0.97
			Sg	32:22.86	-2.70
TRPA	137.7	111	Pn	9:32:11.87	-0.66
			Sn	32:29.16	-2.25
PENC	143.1	232	Sn	9:32:30.24	-2.37

1110.

2024-07-29 time: 9:53:12.38 UTC ML= 1.5  
 lat: 47.732N lon: 19.062E h= 0.0 km  
 erh= 3.1km erz= 4.2km  
 nr= 12 gap=173 rms=0.92  
 Locality: Leányfalu  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.7	68	Pg	9:53:15.63	0.09
			Sg	53:19.33	1.32
BUD	27.7	186	Sg	9:53:21.22	0.02
PKSG	63.1	233	Pg	9:53:24.56	0.91
			Sg	53:32.51	0.08
PSZ	65.7	72	Pg	9:53:23.12	-0.99
			Sg	53:33.14	-0.13
PKS7	76.5	174	Sg	9:53:35.94	-0.75
PKST	93.6	236	Pg	9:53:30.16	1.07
			Sg	53:41.81	-0.32
MPLH	130.7	241	Sn	9:53:51.29	-2.62
EGYH	134.8	255	Sn	9:53:53.36	-1.45

1111.

2024-07-29 time: 10:57:16.42 UTC ML= 1.9  
 lat: 48.411N lon: 17.240E h= 0.0 km  
 erh= 2.7km erz= 854km  
 nr= 10 gap=116 rms=0.68  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.0	146	PgU	10:57:17.61	0.30
			Sg	57:18.51	0.51
SMOL	18.1	51	Pg	10:57:19.68	0.03
			Sg	57:22.54	0.37
ZST	25.9	203	Pg	10:57:21.32	0.27
			Sg	57:23.73	-0.93
JAVC	59.1	32	Pg	10:57:25.73	-1.25
			Sg	57:33.70	-1.52
KRUC	95.4	319	Pg	10:57:34.15	0.69
VRAC	110.5	335	Pg	10:57:36.54	0.38

1112.

2024-07-30 time: 9:05:33.44 UTC ML= 0.6  
 lat: 47.203N lon: 18.314E h= 0.0 km  
 erh= 2.4km erz= 5.5km  
 nr= 8 gap=111 rms=0.79  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.8	15	Pg	9:05:38.07	0.74
			Sg	05:39.95	-0.42
PKST	22.1	286	Pg	9:05:37.99	0.61
			Sg	05:40.11	-0.35
MPLH	58.8	266	Sg	9:05:50.93	-1.20
MORH	112.6	167	Sg	9:06:09.81	0.59
KOVH	125.0	188	Sg	9:06:12.85	-0.31
PSZ	143.1	56	Sn	9:06:15.91	-1.81

1113.

2024-07-30 time: 9:47:26.53 UTC ML= 0.9  
 lat: 47.525N lon: 18.497E h= 0.0 km  
 erh= 7.6km erz= 6.8km  
 nr= 6 gap=198 rms=0.63  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	16.9	209	Pg	9:47:29.93	0.39
			Sg	47:32.20	0.31
PKST	45.8	230	Pg	9:47:35.06	0.35
			Sg	47:40.11	-0.98
PSZ	113.6	67	Sg	9:48:02.57	-0.05
MORH	146.0	176	Sn	9:48:09.77	-1.68

1114.

2024-07-30 time: 10:00:05.20 UTC ML= 1.5  
 lat: 48.158N lon: 16.893E h= 0.0 km  
 erh= 1.9km erz= 4.9km  
 nr= 15 gap= 88 rms=0.67  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.1	75	Pg	10:00:08.16	0.08
			Sg	00:09.88	-0.45
MODS	37.3	50	Pg	10:00:11.21	-0.64
			Sg	00:16.48	-0.56
RONA	67.7	221	Pg	10:00:17.26	-0.03
			Sg	00:25.53	-1.19
CONA	81.0	252	Pg	10:00:20.55	0.88
			Sg	00:30.54	-0.41
KRUC	107.0	340	Pg	10:00:25.01	0.70
			Sg	00:39.49	0.28
MPLH	120.1	156	Pg	10:00:27.33	0.69
VRAC	129.8	350	Pg	10:00:28.45	0.07
			Sg	00:44.97	-1.49
ARSA	144.1	226	Pn	10:00:30.64	0.45
			Sn	00:47.63	-2.06

1115.

2024-07-31 time: 8:01:15.31 UTC ML= 1.8  
 lat: 46.845N lon: 17.241E h= 0.0 km  
 erh= 3.7km erz= 7.1km  
 nr= 13 gap= 98 rms=1.29  
 Locality: Rezi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	42.6	32	Pg	8:01:23.59	0.66
			Sg	01:29.53	0.66

## Hypocenter Parameters

TIH	50.1	83	Sg	8:01:30.63	-0.59
PKST	75.8	53	Pg	8:01:29.89	1.04
			Sg	01:38.39	-1.02
KOGS	87.8	240	Sg	8:01:43.77	0.56
KOVH	106.9	142	Pg	8:01:36.38	1.98
			Sg	01:49.07	-0.22
RONA	118.9	323	Sg	8:01:51.08	-2.02
MORH	128.4	123	Sg	8:01:53.63	-2.49
PKSM	128.4	123	Sg	8:01:54.09	-2.05
ARSA	138.1	289	Sn	8:01:57.20	-1.28
GROS	139.8	252	Sn	8:01:58.56	-0.31

1116.

2024-07-31 time: 8:03:11.59 UTC ML= 1.0  
 lat: 46.150N lon: 18.311E h= 0.0 km  
 erh= 1.7km erz=20.6km  
 nr= 10 gap=187 rms=0.30  
 Locality: Vasas  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.7	247	Pg	8:03:14.54	-0.21
			Sg	03:17.08	-0.13
S9BD	23.6	74	Pg	8:03:16.18	0.38
PKSM	26.4	75	Pg	8:03:16.34	0.04
			Sg	03:19.50	-0.48
MORH	26.7	74	Pg	8:03:16.46	0.10
			Sg	03:19.59	-0.50
PKSV	29.4	189	Pg	8:03:17.19	0.35
			Sg	03:20.77	-0.17
MOSL	134.8	244	Sn	8:03:50.34	-3.67*

1117.

2024-07-31 time: 9:07:55.37 UTC ML= 1.7  
 lat: 46.129N lon: 18.024E h= 0.0 km  
 erh= 1.7km erz= 585km  
 nr= 16 gap=102 rms=0.51  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	7.4	128	PgU	9:07:56.76	0.07
			Sg	07:57.70	-0.02
PKSV	32.0	147	Pg	9:08:01.24	0.15
			Sg	08:04.94	-0.61
PKSM	48.5	79	PgU	9:08:04.22	0.18
			Sg	08:10.14	-0.66
MORH	48.8	79	Pg	9:08:04.22	0.13
			Sg	08:10.00	-0.89
PKS9	54.6	21	Pg	9:08:05.80	0.69
			Sg	08:11.64	-1.07
PKB4	60.5	48	Pg	9:08:06.67	0.50
PKB1	93.7	39	Pg	9:08:12.33	0.22
PKB3	96.0	70	Pg	9:08:12.83	0.32
MOSL	114.0	240	Pg	9:08:15.61	-0.12
			Sg	08:28.79	-2.83*
MPLH	121.5	342	Sg	9:08:32.70	-1.30

1118.

2024-07-31 time: 10:43:07.29 UTC ML= 2.0  
 lat: 47.410N lon: 16.377E h= 0.0 km  
 erh= 3.3km erz= 5.0km  
 nr= 20 gap=114 rms=1.40  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	32.8	349	PgU	10:43:13.81	0.66
			Sg	43:16.29	-1.43
SOP	33.3	24	PgU	10:43:14.83	1.59
			Sg	43:17.22	-0.67
CONA	69.4	326	Pg	10:43:20.85	1.16

## Földrengés paraméterek

			Sg	43:27.42	-1.95
EGYH	72.1	89	Sg	10:43:30.03	-0.17
MPLH	91.9	107	Pg	10:43:25.47	1.77
			Sg	43:34.80	-1.70
KOGS	107.3	185	Pg	10:43:27.14	0.68
			Sg	43:40.34	-1.07
GROS	124.8	212	Sg	10:43:44.38	-2.58
PKST	126.4	98	Sg	10:43:45.84	-1.62
MODS	126.6	32	Pg	10:43:30.08	0.19
			Sg	43:44.74	-2.78
PKSG	152.0	91	Sn	10:43:52.86	-0.69
KRUC	183.7	0	Pn	10:43:38.38	1.15
			Sn	43:57.98	-2.60
JAVC	187.7	31	Sn	10:44:03.40	1.92
VRAC	211.7	4	Sn	10:44:06.20	-0.60

1119.

2024-07-31 time: 11:05:55.60 UTC ML= 1.5  
 lat: 45.707N lon: 21.817E h= 8.4 km  
 erh= 6.6km erz= 4.7km  
 nr= 7 gap=160 rms=0.50  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.5	237	Pg	11:05:59.50	0.26
			Sg	06:01.77	-0.30
SURR	24.5	78	Pg	11:06:00.36	0.13
			Sg	06:03.18	-0.66
TIM	46.5	274	Sg	11:06:10.33	-0.30
DRGR	138.9	30	Pn	11:06:19.61	0.73
			Sn	06:35.93	-1.11

1120.

2024-07-31 time: 11:23:04.59 UTC ML= 1.6  
 lat: 47.821N lon: 20.158E h= 0.0 km  
 erh= 6.4km erz= 667km  
 nr= 5 gap=210 rms=0.30  
 Locality: Vécs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	22.5	299	Pg	11:23:09.07	0.46
			Sg	23:11.58	-0.17
PENC	65.7	267	Sg	11:23:25.04	-0.44
ABAH	96.4	57	Pg	11:23:21.75	-0.06
			Sg	23:35.09	-0.15

1121.

2024-07-31 time: 13:19:39.48 UTC ML= 1.2  
 lat: 47.854N lon: 16.013E h= 0.0 km  
 erh= 1.1km erz= 1.9km  
 nr= 9 gap= 97 rms=0.84  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.0	306	Pg	13:19:42.73	0.75
			Sg	19:44.92	0.99
RONA	27.3	129	Pg	13:19:44.55	0.19
			Sg	19:48.20	0.04
ARSA	76.6	209	Sg	13:20:03.54	-0.27
MODS	110.5	58	Pg	13:19:59.84	0.63
			Sg	20:14.32	-0.28
KRUC	137.3	12	Pn	13:20:02.45	-1.18
			Sn	20:20.16	-2.30



## Földrengés paraméterek

## Hypocenter Parameters

1122.

2024-08-01 time: 7:22:10.98 UTC ML= 1.7  
 lat: 46.053N lon: 22.809E h= 0.0 km  
 erh= 2.8km erz= 5.4km  
 nr= 11 gap=117 rms=0.74  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.2	159	Pg	7:22:14.88	0.29
			Sg	22:17.81	0.40
SURR	62.7	238	Pg	7:22:23.10	0.93
			Sg	22:30.04	-0.86
GZR	73.4	182	Pg	7:22:24.01	-0.07
			Sg	22:33.69	-0.61
DRGR	82.5	355	Pg	7:22:26.39	0.68
			Sg	22:36.25	-0.94
BZS	104.6	242	Sg	7:22:42.28	-1.94
VOIR	187.3	111	Pn	7:22:41.45	0.08
			Sn	23:03.91	-1.17

1123.

2024-08-01 time: 7:22:50.13 UTC ML= 1.6  
 lat: 46.038N lon: 22.819E h= 0.0 km  
 erh= 3.2km erz= 5.4km  
 nr= 11 gap=117 rms=0.94  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.4	159	Pg	7:22:53.71	0.30
			Sg	22:55.81	-0.16
SURR	62.5	240	Pg	7:23:02.02	0.74
			Sg	23:09.42	-0.56
DRGR	84.2	354	Pg	7:23:05.68	0.51
			Sg	23:15.58	-1.32
BZS	104.5	243	Pg	7:23:09.65	0.86
			Sg	23:21.33	-2.02
DJES	157.8	188	Sn	7:23:35.30	-2.37
VOIR	186.0	111	Pn	7:23:20.88	0.52
			Sn	23:42.70	-1.23

1124.

2024-08-01 time: 8:22:14.18 UTC ML= 1.7  
 lat: 48.802N lon: 21.643E h= 0.0 km  
 erh= 3.2km erz= 5.5km  
 nr= 12 gap= 96 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	48.5	73	Pg	8:22:22.96	0.12
			Sg	22:29.90	0.31
STHS	74.3	337	Pg	8:22:27.89	0.44
			Sg	22:37.21	-0.59
KECS	92.4	247	Pg	8:22:31.55	0.87
			Sg	22:41.59	-1.95
TRPA	99.9	138	Pg	8:22:31.73	-0.28
			Sg	22:44.51	-1.41
NIE	118.9	305	Pg	8:22:35.75	0.34
			Sg	22:49.62	-2.35
PSZ	162.6	233	Pn	8:22:42.69	1.20
			Sn	23:02.22	-0.58

1125.

2024-08-01 time: 9:27:41.37 UTC ML= 1.5  
 lat: 48.610N lon: 20.646E h= 0.0 km  
 erh= 3.6km erz= 388km  
 nr= 6 gap=271 rms=0.23  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	18.4	220	Pg	9:27:44.77	0.12
			Sg	27:47.69	0.48
PSZ	95.0	216	Pg	9:27:58.19	-0.14
			Sg	28:11.25	-0.31
LANS	105.3	305	Pg	9:28:00.29	0.12
			Sg	28:14.53	-0.30

1126.

2024-08-01 time: 10:27:09.56 UTC ML= 1.8  
 lat: 47.358N lon: 18.413E h= 0.0 km  
 erh= 1.9km erz= 3.4km  
 nr= 22 gap= 77 rms=1.14  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.1	336	Pg	10:27:11.39	1.09
			Sg	27:11.89	1.01
CSKK	11.5	273	Pg	10:27:12.57	0.95
			Sg	27:13.94	0.71
PKST	30.7	249	Pg	10:27:15.91	0.87
			Sg	27:18.96	-0.35
PKS7	66.4	121	Sg	10:27:31.02	0.36
MPLH	69.3	252	Pg	10:27:21.98	0.04
			Sg	27:29.92	-1.68
PENC	81.2	54	Sg	10:27:34.76	-0.60
PKB5	88.3	164	Sg	10:27:38.23	0.60
PKB4	96.9	171	Sg	10:27:40.51	0.15
PKB3	119.7	150	Sg	10:27:46.45	-1.17
PSZ	127.6	61	Pg	10:27:32.66	0.31
			Sg	27:48.55	-1.57
PKSM	128.6	172	Pg	10:27:33.30	0.77
			Sg	27:48.46	-1.98
ZST	135.4	314	Sn	10:27:49.09	-3.05
MODS	141.3	323	Sn	10:27:51.10	-2.35
SOP	144.3	285	Sn	10:27:52.02	-2.09
JAVC	175.9	342	Sn	10:28:00.42	-0.69
ZBNS	198.2	5	Sn	10:28:09.27	3.20

1127.

2024-08-01 time: 17:17:26.11 UTC ML= 2.1  
 lat: 45.690N lon: 21.898E h= 0.0 km  
 erh= 5.1km erz= 7.9km  
 nr= 12 gap=125 rms=1.29  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	19.1	68	PgD	17:17:30.42	0.91
			Sg	17:33.39	1.23
BZS	23.4	250	Pg	17:17:33.19	2.91
			Sg	17:32.06	-1.47
TIM	53.0	276	Pg	17:17:35.69	0.13
			Sg	17:43.33	0.39
BANR	68.6	240	Pg	17:17:38.09	-0.27
			Sg	17:47.13	-0.79
GZR	76.2	116	Pg	17:17:39.20	-0.50
			Sg	17:49.46	-0.85
DRGR	137.6	27	Pn	17:17:49.49	-0.81
			Sn	18:05.73	-3.44

## Hypocenter Parameters

## Földrengés paraméterek

1128.

2024-08-02 time: 0:47:15.83 UTC ML= 1.2  
lat: 47.419N lon: 22.406E h= 10.0 km  
erh= 4.6km erz= 5.6km  
nr= 10 gap=154 rms=1.17  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
LTVH	38.3	264	PgD	0:47:23.92			1.02
			Sg	47:29.72			1.30
R1E1	54.7	225	Sg	0:47:31.47			-2.03
BORR	59.5	232	Sg	0:47:34.11			-0.89
DRGR	73.5	162	Pg	0:47:29.54			0.48
			Sg	47:38.46			-0.93
TRPA	79.8	7	Pg	0:47:30.17			-0.01
			Sg	47:40.25			-1.12
ABAH	130.9	318	Sn	0:47:53.66			-1.47
KOLS	168.7	357	Sn	0:48:05.94			2.43

1129.

2024-08-02 time: 6:45:02.32 UTC ML= 1.4  
lat: 47.184N lon: 18.320E h= 0.0 km  
erh= 2.4km erz= 5.3km  
nr= 13 gap=112 rms=0.73  
Locality: Székesfehérvár  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	20.4	347	Pg	6:45:05.94			-0.02
			Sg	45:07.29			-1.51
PKST	23.2	291	Pg	6:45:06.60			0.15
			Sg	45:09.33			-0.35
PKSG	23.7	13	Pg	6:45:06.96			0.41
			Sg	45:09.88			0.03
MPLH	59.2	268	Pg	6:45:13.52			0.64
			Sg	45:21.20			0.08
MORH	110.5	167	Sg	6:45:37.04			-0.39
PKSM	110.9	167	Sg	6:45:37.27			-0.29
KOVH	123.0	188	Sg	6:45:40.05			-1.36
PSZ	143.9	55	Pn	6:45:28.59			1.29
			Sn	45:45.02			-1.76

1130.

2024-08-02 time: 7:05:07.63 UTC ML= 1.5  
lat: 45.646N lon: 17.244E h= 0.0 km  
erh= 3.8km erz= 4.7km  
nr= 14 gap=194 rms=0.66  
Locality: Croatia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MOSL	38.4	265	Pg	7:05:14.56			0.08
			Sg	05:19.15			-0.67
KOVH	82.7	53	Pg	7:05:23.64			1.25
			Sg	05:34.63			0.72
PKSV	82.9	71	Pg	7:05:23.17			0.73
			Sg	05:32.75			-1.24
KOGS	117.8	319	Sg	7:05:44.86			-0.20
S9BD	122.6	59	Pg	7:05:29.56			0.03
			Sg	05:46.07			-0.54
PKSM	125.3	60	Pg	7:05:29.87			-0.14
			Sg	05:46.63			-0.83
MORH	125.7	60	Pg	7:05:30.02			-0.06
			Sg	05:46.45			-1.14
CRES	140.5	278	Sn	7:05:51.09			-0.25

1131.

2024-08-02 time: 7:41:26.88 UTC ML= 1.7  
lat: 48.541N lon: 17.456E h= 0.0 km  
erh= 3.4km erz= 2.3km  
nr= 15 gap=139 rms=0.82  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	3.6	214	PgU	7:41:28.08			0.55
			Sg	41:29.00			0.96
MODS	22.8	215	Pg	7:41:30.91			-0.05
			Sg	41:34.34			0.20
JAVC	38.8	24	Pg	7:41:34.61			0.81
			Sg	41:39.18			-0.02
ZST	46.4	214	Pg	7:41:36.07			0.89
			Sg	41:41.51			-0.13
VRAC	106.2	323	Pg	7:41:45.64			-0.21
SOP	116.5	215	Sg	7:42:02.00			-1.90
CONA	136.6	240	Pn	7:41:51.10			0.15
			Sn	42:08.45			-1.28
MORC	137.6	3	Sn	7:42:08.44			-1.50
PKST	149.0	163	Sn	7:42:10.27			-2.20
MPLH	152.5	178	Sn	7:42:13.37			0.11

1132.

2024-08-02 time: 10:08:28.31 UTC ML= 1.7  
lat: 48.422N lon: 19.115E h= 0.0 km  
erh= 1.9km erz= 3.4km  
nr= 21 gap= 48 rms=1.00  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	71.3	170	Pg	10:08:42.06			1.01
			Sg	08:49.73			-1.25
PSZ	80.7	134	Pg	10:08:43.46			0.75
			Sg	08:52.71			-1.23
LANS	85.1	18	Pg	10:08:44.07			0.57
			Sg	08:54.26			-1.08
ZBNS	86.4	336	Pg	10:08:45.35			1.61
			Sg	08:55.94			0.17
SRO	90.2	221	Sg	10:08:57.22			0.23
KECS	101.7	86	Pg	10:08:46.93			0.47
			Sg	08:59.14			-1.48
JAVC	117.0	295	Pg	10:08:49.82			0.62
			Sg	09:04.62			-0.87
SMOL	125.1	275	Sg	10:09:07.08			-0.99
PKSG	126.7	205	Pg	10:08:51.36			0.43
			Sg	09:06.79			-1.79
MODS	136.2	268	Pn	10:08:52.29			-0.03
			Sn	09:08.91			-2.14
NIE	141.4	38	Pn	10:08:53.26			0.28
			Sn	09:10.09			-2.13
MORC	189.4	323	Sn	10:09:21.60			-1.27

1133.

2024-08-02 time: 10:34:52.14 UTC ML= 2.0  
lat: 48.541N lon: 22.856E h= 0.0 km  
erh= 3.8km erz= 3.3km  
nr= 13 gap=188 rms=0.85  
Locality: Ukraine  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TRPA	51.3	207	Pg	10:35:01.89			0.58
			Sg	35:08.05			-0.41
KOLS	61.2	315	Pg	10:35:03.99			0.92
			Sg	35:11.30			-0.30
CEIR	98.7	196	Pg	10:35:09.34			-0.43
KWP	121.8	355	Pg	10:35:12.79			-1.10
ABAH	122.7	257	Pg	10:35:12.94			-1.12

**Földrengés paraméterek****Hypocenter Parameters**

Sg 35:30.41 -0.75  
STHS 153.1 310 Pn 10:35:18.97 0.71  
Sn 35:37.77 -0.86  
KECS 175.3 268 Pn 10:35:22.25 1.22  
Sn 35:44.42 0.85  
DRGR 194.8 183 Sn 10:35:49.43 1.54

1134.

---

2024-08-02 time: 11:29:42.45 UTC ML= 1.6  
lat: 47.889N lon: 20.159E h= 0.0 km  
erh= 5.1km erz= \*\*\*km  
nr= 6 gap=112 rms=0.80  
Locality: Tarnaszentmária  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.0	279	Pg	11:29:46.76	0.73
			Sg	29:48.41	-0.41
BSZH	66.0	173	Pg	11:29:53.82	-0.42
KECS	70.4	20	Sg	11:30:04.40	-0.44
ABAH	92.4	61	Pg	11:29:59.75	0.80
			Sg	30:09.88	-1.93

1135.

---

2024-08-03 time: 7:45:27.36 UTC ML= 0.9  
lat: 46.175N lon: 18.296E h= 0.0 km  
erh= 2.7km erz= 3.9km  
nr= 12 gap=121 rms=0.83  
Locality: Zobákpuszta  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.0	238	Pg	7:45:30.79	0.21
			Sg	45:33.16	0.08
S9BD	24.1	81	Pg	7:45:32.38	0.72
			Sg	45:34.86	-0.16
PKSM	26.9	81	Pg	7:45:32.80	0.63
			Sg	45:35.24	-0.68
MORH	27.2	80	Pg	7:45:32.80	0.58
			Sg	45:34.96	-1.06
PKSV	32.0	186	Pg	7:45:33.41	0.33
			Sg	45:37.06	-0.48
MOSL	135.0	242	Sn	7:46:06.60	-3.24
PKSG	135.5	3	Sn	7:46:07.73	-2.22

1136.

---

2024-08-03 time: 19:58:53.94 UTC ML= 1.0  
lat: 45.879N lon: 21.481E h= 10.0 km  
erh= 9.3km erz=11.4km  
nr= 5 gap=171 rms=0.93  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	25.7	232	Pg	19:58:59.30	0.45
BZS	31.0	160	Pg	19:59:00.77	1.01
			Sg	59:03.19	-1.11
BANR	61.4	206	Sg	19:59:12.19	-1.52
DRGR	138.8	43	Sn	19:59:34.56	-0.43

1137.

---

2024-08-04 time: 14:21:30.65 UTC ML= 1.6  
lat: 45.913N lon: 17.151E h= 19.3 km  
erh= 2.0km erz= 2.2km  
nr= 13 gap=131 rms=0.35  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
MOSL	45.4	223	Pg	14:21:39.64	0.19

			Sg	21:46.17	-0.15
BEHE	68.4	335	S*	14:21:53.00	0.37
KOVH	76.1	75	P*	14:21:44.67	0.50
			S*	21:54.93	0.22
PKSV	85.5	92	P*	14:21:45.29	-0.31
			S*	21:57.22	-0.05
KOGS	91.5	311	P*	14:21:46.77	0.25
			S*	21:58.32	-0.57
RCF6	103.2	297	Sn	14:22:01.17	-0.53
PKSM	120.0	74	Sn	14:22:05.43	0.00
MORH	120.4	74	Pn	14:21:49.74	-0.49
			Sn	22:05.75	0.25

1138.

---

2024-08-04 time: 15:48:34.06 UTC ML= 0.2  
lat: 45.633N lon: 21.877E h= 16.1 km  
erh= 7.1km erz= 2.4km  
nr= 6 gap=189 rms=0.34  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.4	265	Pg	15:48:39.15	0.45
			Sg	48:42.09	-0.23
SURR	23.5	55	Pg	15:48:38.88	-0.27
			Sg	48:43.51	0.40
BANR	64.3	244	Sg	15:48:54.81	-0.32
DRGR	143.9	27	Sn	15:49:14.65	-0.21

1139.

---

2024-08-04 time: 19:24:06.23 UTC ML= 0.9  
lat: 46.471N lon: 16.218E h= 14.6 km  
erh= 2.3km erz= 1.3km  
nr= 10 gap=122 rms=0.56  
Locality: Slovenia  
Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	3.5	135	Pg	19:24:08.58	-0.33
			Sg	24:10.45	-0.55
RCF6	25.1	232	Sg	19:24:16.10	0.66
BEHE	42.8	90	Sg	19:24:21.03	0.42
GROS	55.0	269	Sg	19:24:24.70	0.38
PERS	86.4	282	S*	19:24:32.90	-0.96
CRES	92.7	219	S*	19:24:36.22	0.65
SOKA	93.7	284	S*	19:24:35.28	-0.56
ARSA	101.6	329	S*	19:24:38.75	0.78
MOSL	104.0	156	Sn	19:24:38.29	-0.21

1140.

---

2024-08-04 time: 20:13:50.24 UTC ML= 0.5  
lat: 45.669N lon: 21.869E h= 10.0 km  
erh= 2.5km erz= 1.0km  
nr= 5 gap=189 rms=0.15  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.6	254	Pg	20:13:54.37	0.04
			Sg	13:57.29	-0.22
SURR	22.0	65	PgD	20:13:54.74	0.18
			Sg	13:57.73	-0.19
DRGR	140.7	27	Sn	20:14:31.65	-0.06

## Hypocenter Parameters

## Földrengés paraméterek

1141.  
 2024-08-04 time: 20:31:49.81 UTC ML= 1.6  
 lat: 48.266N lon: 22.806E h= 10.0 km  
 erh= 5.3km erz= 2.8km  
 nr= 11 gap=210 rms=0.83  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	24.9	233	Pg	20:31:54.83	0.22
			Sg	31:58.76	0.41
KOLS	83.9	332	Pg	20:32:04.97	0.06
			Sg	32:15.33	-1.35
ABAH	116.3	272	Pn	20:32:09.81	-0.26
			Sn	32:24.24	-1.63
LTVH	119.2	215	Sn	20:32:25.43	-1.08
DRGR	164.1	182	Pn	20:32:16.06	0.03
			Sn	32:36.79	0.31
KECS	173.6	278	Pn	20:32:18.25	1.04
			Sn	32:41.54	2.96

1142.  
 2024-08-04 time: 20:35:43.68 UTC ML= 1.6  
 lat: 48.277N lon: 22.826E h= 13.3 km  
 erh= 1.6km erz= 0.8km  
 nr= 12 gap=212 rms=0.25  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	26.8	233	Pg	20:35:48.98	-0.05
			Sg	35:53.49	0.29
KOLS	83.6	331	Pg	20:35:58.65	-0.14
			Sg	36:10.69	0.11
ABAH	117.7	271	Pn	20:36:03.43	-0.27
			Sn	36:19.33	0.02
LTVH	121.0	215	Pn	20:36:04.49	0.39
			Sn	36:19.65	-0.38
R1E1	151.1	208	Sn	20:36:26.63	-0.09
DRGR	165.4	183	Pn	20:36:09.91	0.28
			Sn	36:29.51	-0.37
KECS	174.9	278	Sn	20:36:33.44	1.45*

1143.  
 2024-08-05 time: 2:51:29.27 UTC ML= 0.2  
 lat: 45.621N lon: 21.860E h= 8.2 km  
 erh= 9.2km erz= 3.3km  
 nr= 5 gap=214 rms=0.23  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.0	269	Pg	2:51:32.86	-0.11
			Sg	51:36.06	0.21
SURR	25.3	54	Pg	2:51:34.23	0.20
			Sg	51:37.25	-0.49
DRGR	145.7	27	Sn	2:52:12.24	-0.02

1144.  
 2024-08-05 time: 6:52:45.18 UTC ML= 1.2  
 lat: 48.001N lon: 20.359E h= 0.0 km  
 erh= 9.1km erz= \*\*\*km  
 nr= 5 gap=192 rms=0.75  
 Locality: Szarvaskő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	35.9	255	Pg	6:52:51.18	-0.41
			Sg	52:56.50	-0.09
KECS	54.4	10	Sg	6:53:02.29	-0.18

ABAH 73.2 63 Pg 6:52:59.39 1.13  
 Sg 53:07.38 -1.08

1145.  
 2024-08-05 time: 6:54:10.15 UTC ML= 1.2  
 lat: 48.096N lon: 20.692E h= 0.0 km  
 erh= 4.4km erz= 928km  
 nr= 5 gap=190 rms=0.42  
 Locality: Pereces  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.7	340	Sg	6:54:24.76	0.10
ABAH	46.4	61	Pg	6:54:18.56	0.13
			Sg	54:24.40	-0.50
PSZ	62.7	252	Pg	6:54:21.75	0.41
			Sg	54:29.24	-0.83

1146.  
 2024-08-05 time: 7:00:47.11 UTC ML= 1.3  
 lat: 48.297N lon: 17.262E h= 10.0 km  
 erh= 4.5km erz= 1.8km  
 nr= 5 gap=199 rms=0.03  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	8.6	8	PgD	7:00:49.44	-0.02
			Sg	00:51.27	-0.03
ZST	16.3	227	Pg	7:00:50.52	-0.01
			Sg	00:53.25	0.05
SMOL	27.1	27	Sg	7:00:56.34	0.06

1147.  
 2024-08-05 time: 8:52:05.50 UTC ML= 1.4  
 lat: 48.617N lon: 20.822E h= 0.0 km  
 erh= 3.1km erz= 969km  
 nr= 8 gap=120 rms=0.70  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.9	239	Pg	8:52:10.81	0.15
			Sg	52:14.97	0.28
ABAH	47.2	139	Pg	8:52:14.82	0.90
			Sg	52:19.61	-0.89
STHS	94.1	19	Pg	8:52:22.36	0.05
NIE	96.6	337	Sg	8:52:35.33	-0.88
PSZ	103.8	222	Pg	8:52:24.14	0.11
			Sg	52:35.97	-2.52

1148.  
 2024-08-05 time: 10:00:18.69 UTC ML= 1.7  
 lat: 48.150N lon: 16.889E h= 0.0 km  
 erh= 3.7km erz= 7.4km  
 nr= 11 gap= 98 rms=1.08  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.7	72	Pg	10:00:22.85	1.18
			Sg	00:24.67	0.67
MODS	38.1	49	Pg	10:00:25.77	0.28
			Sg	00:30.24	-0.55
SMOL	56.9	45	Sg	10:00:36.49	-0.29
RONA	66.9	221	Pg	10:00:31.23	0.60
			Sg	00:39.27	-0.67
CONA	80.5	252	Pg	10:00:33.81	0.75
			Sg	00:43.28	-0.99
MPLH	119.4	156	Sg	10:00:54.18	-2.47

### Földrengés paraméterek

### Hypocenter Parameters

VRAC 130.6 350 Sn 10:00:57.35 -2.85  
1149.

CONA 110.1 241 Pg 7:57:08.56 0.74  
PKST 143.0 153 Sn 7:57:28.62 -3.79\*  
1152.

2024-08-05 time: 10:45:40.39 UTC ML= 1.3  
lat: 48.505N lon: 19.917E h= 0.0 km  
erh= 3.7km erz= \*\*\*km  
nr= 7 gap=154 rms=0.71  
Locality: Slovakia  
Comments: probably explosion

2024-08-06 time: 8:55:31.16 UTC ML= 0.9  
lat: 47.185N lon: 18.271E h= 0.0 km  
erh= 3.0km erz= 964km  
nr= 8 gap=144 rms=0.71  
Locality: Sárkeszi  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	42.1	93	Pg	10:45:48.41	0.50
			Sg	45:53.53	-0.24
PSZ	65.3	181	Pg	10:45:52.61	0.56
			Sg	46:00.15	-1.00
LANS	79.0	335	Pg	10:45:55.00	0.51
			Sg	46:04.03	-1.46
ABAH	100.6	103	Sg	10:46:11.61	-0.77

sta	dist	azm	phase	hr mn sec	res
PKST	19.7	295	Pg	8:55:35.25	0.57
			Sg	55:36.48	-0.95
CSKK	19.8	358	Pg	8:55:35.16	0.46
			Sg	55:36.94	-0.52
PKSG	24.7	21	Sg	8:55:38.67	-0.34
MPLH	55.5	268	Sg	8:55:49.40	0.60
MORH	111.5	165	Sg	8:56:04.74	-1.85
KOVH	122.6	186	Sg	8:56:10.40	0.26

1150.

2024-08-05 time: 23:59:30.70 UTC ML= 1.1  
lat: 47.822N lon: 16.280E h= 10.0 km  
erh= 1.8km erz= 1.7km  
nr= 21 gap= 60 rms=0.75  
Locality: Austria  
Comments:

1153.

2024-08-07 time: 3:04:25.76 UTC ML= 0.5  
lat: 45.902N lon: 21.701E h= 0.2 km  
erh= 5.4km erz= 783km  
nr= 5 gap=233 rms=0.40  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	13.7	175	Pg	23:59:34.09	0.37
			Sg	59:35.92	-0.16
SOP	25.9	126	PgU	23:59:36.48	0.81
			Sg	59:39.95	0.41
CONA	33.5	291	Pg	23:59:37.29	0.35
			Sg	59:41.67	-0.14
WINA	35.3	334	Pg	23:59:37.77	0.52
			Sg	59:42.24	-0.12
ZST	74.1	56	Sg	23:59:53.21	-1.27
ARSA	85.4	222	Pg	23:59:45.32	-0.73
			Sg	59:56.05	-1.97
MODS	96.3	50	Sg	23:60:00.11	-1.37
ABNA	113.4	326	Pn	23:59:50.15	-0.45
			Sn	24:00:03.18	-2.94
KRUC	138.1	4	Pn	23:59:54.05	0.37
			Sn	24:00:11.15	-0.45
PKST	146.1	115	Sn	23:60:13.53	0.15
MOA	150.8	271	Pn	23:59:56.45	1.19
			Sn	24:00:15.04	0.62
VRAC	166.9	8	Pn	23:59:57.92	0.65
			Sn	24:00:17.71	-0.28

sta	dist	azm	phase	hr mn sec	res
BZS	32.3	192	Pg	3:04:31.78	0.25
			Sg	04:36.04	0.00
SURR	36.8	116	Pg	3:04:32.66	0.34
			Sg	04:36.78	-0.66
TIM	41.6	244	Sg	3:04:38.37	-0.61

1151.

2024-08-06 time: 7:56:48.16 UTC ML= 1.9  
lat: 48.403N lon: 17.161E h= 0.0 km  
erh= 1.7km erz=42.0km  
nr= 15 gap= 81 rms=0.63  
Locality: Slovakia  
Comments: probably explosion

1154.

2024-08-07 time: 3:08:45.07 UTC ML= 1.0  
lat: 45.507N lon: 21.930E h= 10.0 km  
erh= 7.9km erz= 4.2km  
nr= 5 gap=267 rms=0.29  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	9.2	110	Pg	7:56:50.09	0.29
			Sg	56:51.36	0.28
SMOL	23.3	58	Pg	7:56:52.14	-0.19
			Sg	56:55.29	-0.29
ZST	23.4	191	Sg	7:56:54.15	-1.43
JAVC	63.2	36	Pg	7:56:59.86	0.42
			Sg	57:07.71	-0.53
SOP	91.7	209	Pg	7:57:04.26	-0.28
KRUC	92.5	322	Pg	7:57:05.26	0.59
			Sg	57:15.76	-1.79
RONA	101.3	220	Pg	7:57:06.36	0.11
VRAC	109.0	338	Pg	7:57:08.07	0.44
			Sg	57:22.13	-0.68

1155.

2024-08-07 time: 9:20:28.06 UTC ML= 1.4  
lat: 47.304N lon: 17.660E h= 0.0 km  
erh= 2.8km erz=11.1km  
nr= 9 gap=143 rms=0.71  
Locality: Bakonykoppány  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	17.4	211	Pg	9:20:31.61	0.44
			Sg	20:33.07	-0.53
EGYH	27.8	297	Pg	9:20:33.71	0.69
			Sg	20:35.49	-1.39
PKST	28.8	100	Pg	9:20:33.71	0.51
			Sg	20:36.63	-0.58
PKSG	56.1	80	Pg	9:20:38.19	0.11
			Sg	20:45.31	-0.58
KOVH	139.3	166	Sn	9:21:08.51	-2.98

## Hypocenter Parameters

## Földrengés paraméterek

1156.

2024-08-07 time: 11:05:33.41 UTC ML= 1.8  
 lat: 45.990N lon: 22.268E h= 0.0 km  
 erh= 5.5km erz= 958km  
 nr= 7 gap=182 rms=0.63  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	28.5	203	Pg	11:05:38.46	-0.04
			Sg	05:42.14	-0.32
BZS	65.4	231	Pg	11:05:45.47	0.37
			Sg	05:53.24	-0.97
TIM	86.0	251	Sg	11:06:00.95	0.19
DRGR	95.4	21	Pg	11:05:51.20	0.75
			Sg	06:02.37	-1.38

1157.

2024-08-07 time: 19:20:32.16 UTC ML= 1.6  
 lat: 47.870N lon: 16.201E h= 10.0 km  
 erh= 1.6km erz= 1.4km  
 nr= 31 gap= 55 rms=0.85  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.3	159	PgU	19:20:36.51	0.31
			Sg	20:39.51	0.16
CONA	26.2	284	Pg	19:20:37.36	0.20
			Sg	20:40.95	-0.11
WINA	28.0	340	Pg	19:20:38.29	0.82
			Sg	20:42.18	0.56
SOP	33.9	128	Pg	19:20:38.94	0.46
			Sg	20:43.56	0.16
ZST	76.4	62	Pg	19:20:46.13	0.21
ARSA	85.7	216	Pg	19:20:46.77	-0.80
			Sg	20:57.54	-2.05
MODS	97.8	55	Pg	19:20:49.19	-0.52
			Sg	21:02.06	-1.34
EGYH	98.8	121	Sg	19:21:02.66	-1.07
ABNA	105.7	327	P*	19:20:50.40	-0.64
			S*	21:03.26	-2.51
SMOL	116.0	52	Sn	19:21:07.18	-0.97
KRUC	133.3	6	Pn	19:20:54.90	0.37
			Sn	21:10.42	-1.56
MOA	144.8	269	Pn	19:20:56.41	0.44
			Sn	21:14.52	-0.02
PKST	153.8	116	Sn	19:21:17.01	0.46
JAVC	154.8	45	Pn	19:20:58.86	1.65
SOKA	159.3	214	Sn	19:21:19.64	1.87
PERS	159.9	211	Pn	19:20:57.59	-0.26
			Sn	21:19.19	1.29
VRAC	162.5	10	Pn	19:20:58.64	0.46
			Sn	21:17.88	-0.59
GROS	165.4	199	Sn	19:21:21.10	1.98
BIOA	193.1	264	Sn	19:21:24.76	-0.49
LESA	269.4	259	Sn	19:21:42.84	0.65

1158.

2024-08-07 time: 19:22:36.79 UTC ML= 0.8  
 lat: 47.862N lon: 16.184E h= 13.6 km  
 erh= 1.8km erz= 1.4km  
 nr= 17 gap= 71 rms=0.59  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	19.9	155	Pg	19:22:41.11	0.02
			Sg	22:44.28	-0.17
CONA	25.2	287	Pg	19:22:41.92	0.02
			Sg	22:46.10	0.21
WINA	28.5	343	Pg	19:22:42.60	0.17

Sg	22:46.77	-0.05			
SOP	34.4	125	Pg	19:22:43.55	0.16
			Sg	22:48.86	0.33
ARSA	84.3	216	Sg	19:23:02.47	-1.45
MODS	99.3	55	S*	19:23:06.96	-1.13
ABNA	105.8	328	Pn	19:22:54.90	-0.38
			Sn	23:07.36	-2.35
KRUC	134.3	7	Pn	19:22:59.57	0.73
			Sn	23:15.46	-0.58
PERS	158.5	211	Sn	19:23:22.58	1.17
VRAC	163.6	11	Pn	19:23:03.06	0.56
			Sn	23:22.73	0.18

1159.

2024-08-08 time: 4:17:04.84 UTC ML= 1.3  
 lat: 45.775N lon: 17.295E h= 14.0 km  
 erh= 1.6km erz= 1.2km  
 nr= 15 gap=104 rms=0.48  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MOSL	45.7	247	Pg	4:17:13.72	0.34
			Sg	17:19.37	-0.67
KOVH	71.5	61	Pg	4:17:18.23	0.37
			Sg	17:27.54	-0.47
PKSV	75.5	80	Pg	4:17:18.59	0.04
			Sg	17:28.69	-0.55
BEHE	87.1	333	S*	4:17:32.85	0.09
PTJ	104.8	278	Sn	4:17:36.51	-0.92
KOGS	110.1	313	Sn	4:17:38.18	-0.43
BLY	114.3	184	Pn	4:17:24.13	-0.21
			Sn	17:39.65	0.11
PKSM	115.1	65	Sn	4:17:39.59	-0.13
MORH	115.5	65	Pn	4:17:25.40	0.92
			Sn	17:39.73	-0.07
CRES	143.0	272	Sn	4:17:48.21	2.30*

1160.

2024-08-08 time: 8:11:32.53 UTC ML= 1.7  
 lat: 46.117N lon: 17.979E h= 0.0 km  
 erh= 1.0km erz= 288km  
 nr= 10 gap=144 rms=0.23  
 Locality: Dinnyeberki  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	9.8	109	PgU	8:11:34.26	-0.02
			Sg	11:35.64	-0.01
PKSV	33.0	140	Pg	8:11:38.42	0.00
			Sg	11:43.08	0.06
MORH	52.5	78	Pg	8:11:41.57	-0.34
			Sg	11:47.78	-1.44
PKS9	57.2	24	Sg	8:11:50.74	0.04
PKB4	64.0	49	Pg	8:11:44.36	0.40
MOSL	110.4	240	Sg	11:52.75	-0.12
			Pg	8:11:52.29	0.05

1161.

2024-08-08 time: 8:47:53.68 UTC ML= 2.0  
 lat: 48.555N lon: 20.364E h= 0.0 km  
 erh= 2.7km erz= 5.7km  
 nr= 13 gap= 92 rms=0.95  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	12.0	132	Pg	8:47:55.81	-0.02
			Sg	47:57.27	-0.24
PSZ	78.9	206	Pg	8:48:09.05	1.27
			Sg	48:17.74	-1.04
LANS	93.3	315	Pg	8:48:10.51	0.16

## Földrengés paraméterek

## Hypocenter Parameters

NIE 96.1 358 Sg 48:22.38 -0.96  
 Pg 8:48:11.33 0.48  
 Sg 48:22.93 -1.30  
 STHS 115.4 34 Pg 8:48:15.62 1.33  
 Sg 48:28.77 -1.60  
 PENC 117.1 223 Pg 8:48:14.80 0.21  
 KOLS 146.6 73 Sn 8:48:37.35 -1.38  
 PKSN 188.1 191 Sn 8:48:45.16 -2.79

1162.

2024-08-08 time: 10:24:24.39 UTC ML= 1.5  
 lat: 48.335N lon: 19.850E h= 0.0 km  
 erh= 3.9km erz= \*\*\*km  
 nr= 9 gap=128 rms=0.99  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	46.5	176	Pg	10:24:33.42			0.73
			Sg	24:37.98			-1.19
KECS	49.8	71	Pg	10:24:34.60			1.32
			Sg	24:40.63			0.41
PENC	74.0	215	Pg	10:24:37.89			0.30
			Sg	24:47.11			-0.78
LANS	94.9	343	Sg	10:24:54.23			-0.32
ABAH	103.1	92	Sg	10:24:55.79			-1.38
NIE	125.2	16	Sg	10:25:02.18			-1.99

1163.

2024-08-08 time: 21:48:58.15 UTC ML= 1.8  
 lat: 47.426N lon: 22.428E h= 8.1 km  
 erh= 2.3km erz= 2.1km  
 nr= 19 gap=122 rms=0.83  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CEIR	29.4	10	PgU	21:49:04.00			0.40
			Sg	49:08.35			0.50
LTVH	40.1	263	PgD	21:49:06.06			0.61
			Sg	49:11.30			0.15
R1E1	56.4	226	Pg	21:49:07.92			-0.41
DRGR	73.7	163	Pg	21:49:11.66			0.27
			Sg	49:20.36			-1.36
TRPA	78.8	6	Pg	21:49:12.12			-0.17
			Sg	49:21.80			-1.52
CJR	119.0	132	Pn	21:49:19.38			0.38
			Sn	49:34.22			-1.04
ABAH	131.4	317	Pn	21:49:19.79			-0.76
			Sn	49:35.97			-2.04
KOLS	168.0	356	Pn	21:49:26.36			1.25
			Sn	49:48.00			1.87
AMBH	176.5	227	Sn	21:49:49.81			1.80
KECS	186.8	309	Sn	21:49:50.67			0.38
PSZ	198.0	286	Pn	21:49:28.08			-0.77
BZS	210.5	197	Pn	21:49:30.88			0.47

1164.

2024-08-09 time: 1:07:06.76 UTC ML= 0.0  
 lat: 47.278N lon: 18.224E h= 10.0 km  
 erh= 3.6km erz= 2.7km  
 nr= 7 gap=212 rms=0.24  
 Locality: Kincsesbánya  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	9.8	16	Pg	1:07:09.24			-0.03
			Sg	07:10.93			-0.29
PKST	14.5	261	Pg	1:07:09.97			0.06
			Sg	07:12.67			0.30
PKSG	17.8	45	Pg	1:07:10.52			0.11
			Sg	07:13.31			0.05

MPLH 53.2 257 Sg 1:07:23.04 -0.94

1165.

2024-08-09 time: 2:09:00.17 UTC ML= 0.8  
 lat: 46.410N lon: 16.365E h= 15.3 km  
 erh= 1.6km erz= 1.0km  
 nr= 8 gap=131 rms=0.30  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	9.8	296	Pg	2:09:03.21			-0.20
			Sg	09:05.86			-0.09
BEHE	32.2	78	Pg	2:09:06.84			0.30
			Sg	09:11.43			-0.08
RCF6	32.4	255	Sg	2:09:12.33			0.79
PTJ	64.8	209	Sg	2:09:20.97			-0.37
CRES	95.6	227	S*	2:09:30.23			0.05
ARSA	113.4	325	Sn	2:09:34.14			-0.24

1166.

2024-08-09 time: 8:25:41.17 UTC ML= 1.7  
 lat: 48.528N lon: 17.553E h= 0.0 km  
 erh= 2.8km erz= 3.0km  
 nr= 13 gap=209 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	9.4	260	Pg	8:25:43.33			0.49
			Sg	25:45.53			1.39
MODS	26.7	230	Pg	8:25:46.15			0.22
			Sg	25:49.32			-0.33
JAVC	37.8	13	Pg	8:25:48.00			0.08
			Sg	25:52.93			-0.25
ZST	49.8	222	Pg	8:25:50.37			0.31
			Sg	25:56.05			-0.94
KRUC	103.8	305	Sg	8:26:13.18			-0.97
VRAC	111.7	321	Sg	8:26:14.41			-2.26
RONA	131.3	225	Pn	8:26:04.42			-0.16
CONA	142.3	242	Pn	8:26:06.27			0.33
			Sn	26:24.46			-0.81

1167.

2024-08-09 time: 22:37:15.43 UTC ML= 0.9  
 lat: 45.737N lon: 21.819E h= 10.0 km  
 erh= 7.1km erz= 5.2km  
 nr= 7 gap=144 rms=0.56  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	20.7	230	Pg	22:37:19.48			-0.05
			Sg	37:22.57			-0.16
SURR	23.9	86	Pg	22:37:20.27			0.21
			Sg	37:23.32			-0.35
TIM	46.5	270	Sg	22:37:29.67			-0.89
DRGR	135.9	30	Pn	22:37:39.08			0.94
			Sn	37:55.11			-0.74

1168.

2024-08-10 time: 6:46:46.28 UTC ML= 1.6  
 lat: 47.570N lon: 16.311E h= 0.0 km  
 erh= 1.9km erz= 2.4km  
 nr= 25 gap= 81 rms=1.06  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	14.5	356	PgU	6:46:49.89			1.02

Hypocenter Parameters

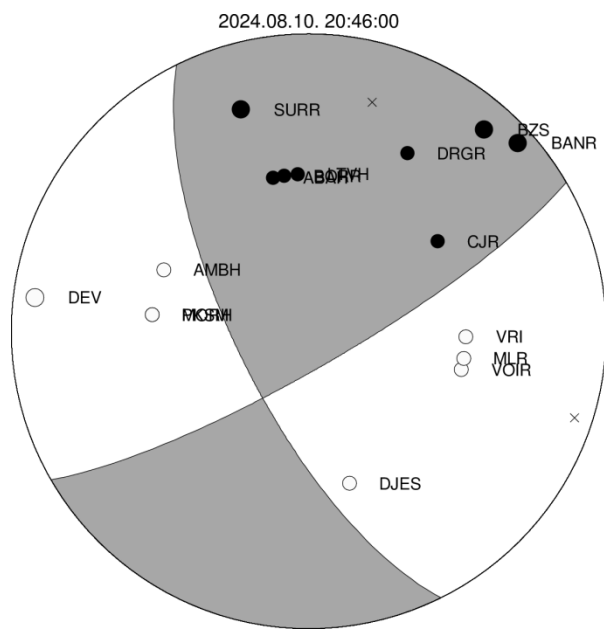
Földregés paraméterek

Hypocenter Parameters					Földregés paraméterek						
sta	dist	azm	phase	hr mn sec	res	sta	dist	azm	phase	hr mn sec	res
SOP	22.5	56	Sg	46:51.12	0.24	SURR	23.5	163	PgU	20:46:06.05	0.55
			PgU	6:46:50.80	0.50	BZS	50.0	221	PgU	20:46:10.02	-0.03
CONA	52.2	320	Sg	46:52.97	-0.46				Sg	46:16.34	-0.81
			Pg	6:46:56.69	1.09	DEV	67.6	97	PgD	20:46:12.42	-0.72
ARSA	69.2	239	Sg	47:02.36	-0.51	TIM	68.0	249	Pg	20:46:13.81	0.59
			Pg	6:47:00.08	1.43	BANR	95.0	228	PgU	20:46:17.99	0.00
MPLH	102.9	116	Sg	47:07.68	-0.61	DRGR	106.3	29	P*U	20:46:18.84	-1.08
			Pg	6:47:05.57	0.92				S*	46:30.73	-4.00*
MODS	114.9	39	Sg	47:17.93	-1.06	AMBH	110.4	293	PnD	20:46:20.32	-0.15
			Pg	6:47:07.04	0.24				Sn	46:33.45	-2.25
KOGS	124.8	182	Sg	47:19.73	-3.07	BORR	127.5	351	PnU	20:46:22.72	0.12
SMOL	134.0	38	Sg	47:25.10	-0.84	CJR	146.6	55	PnU	20:46:25.37	0.39
			Pn	6:47:09.43	-0.60	DJES	151.9	165	PnD	20:46:26.20	0.56
PKST	134.6	105	Sn	47:25.29	-3.26				Sn	46:44.10	-0.81
			Pn	6:47:10.49	0.39	LTVH	159.1	356	PnU	20:46:27.02	0.48
GROS	137.8	207	Sn	47:26.78	-1.89				Sn	46:45.60	-0.91
			Pn	6:47:10.73	0.24	CEIR	195.5	10	Pn	20:46:31.52	0.45
PERS	137.8	221	Sn	47:28.31	-1.07	PKSN	196.9	302	Pn	20:46:31.63	0.38
			Pn	6:47:11.10	0.60				Sn	46:54.86	-0.03
SOKA	138.7	224	Sn	47:27.13	-2.26	BSZH	201.7	318	Pn	20:46:32.59	0.74
			Pn	6:47:10.82	0.21	PKS6	203.6	291	Pn	20:46:32.21	0.12
KRUC	166.0	2	Sn	47:27.04	-2.54				Sn	46:56.45	0.07
			Pn	6:47:14.45	0.43	PKB3	225.6	283	Pn	20:46:34.75	-0.07
			Sn	47:34.26	-1.39				Sn	47:02.20	0.95
<hr/>						PKS2	226.0	285	Pn	20:46:35.24	0.37
1169.									Sn	47:02.43	1.10
2024-08-10 time: 15:26:08.86 UTC ML= 1.5						PKB2	229.7	290	Pn	20:46:35.63	0.29
lat: 47.585N lon: 22.099E h= 7.2 km						VOIR	241.5	104	PnD	20:46:38.38	1.57
erh= 3.1km erz= 3.8km						TRPA	244.7	9	Pn	20:46:36.77	-0.43
nr= 12 gap= 83 rms=0.85						PKS7	252.0	299	Pn	20:46:38.06	-0.06
Locality: Fülöp						MORH	264.1	276	PnD	20:46:39.11	-0.52
Comments:						PKB5	264.3	286	Pn	20:46:39.60	-0.05
sta	dist	azm	phase	hr mn sec	res	PKSM	264.3	276	PnD	20:46:39.09	-0.56
LTVH	26.9	214	Pg	15:26:14.33	0.50	PKB1	266.2	290	Pn	20:46:39.85	-0.04
			Sg	26:18.78	1.08	S9BD	267.0	276	Pn	20:46:39.47	-0.52
CEIR	31.9	69	Pg	15:26:15.49	0.80	ABAH	267.1	347	PnU	20:46:39.78	-0.22
TRPA	69.0	29	Pg	15:26:21.48	0.24	SF5A	267.6	311	Pn	20:46:40.26	0.20
			Sg	26:30.51	-0.39	PKB4	271.7	283	Pn	20:46:40.31	-0.26
DRGR	99.7	152	Pg	15:26:26.47	-0.24	PSZ	272.4	323	Pn	20:46:40.20	-0.47
			Sg	26:38.73	-1.90	PBUD	285.8	306	Pn	20:46:43.22	0.89
ABAH	101.8	321	Pg	15:26:26.55	-0.54	BUD	286.3	306	Pn	20:46:42.03	-0.36
			Sg	26:38.84	-2.47	PENC	292.8	314	Pn	20:46:43.03	-0.18
KOLS	150.4	5	Sn	15:26:54.33	1.19	PKSV	293.8	269	Pn	20:46:43.09	-0.24
KECS	156.4	310	Sn	15:26:53.80	-0.65	PKS9	298.2	284	Pn	20:46:43.77	-0.10
PSZ	169.4	283	Sn	15:26:57.72	0.37	KECS	304.5	337	Pn	20:46:45.46	0.79*
<hr/>						KOVH	305.3	273	Pn	20:46:44.13	-0.64*
1170.						MLR	308.5	100	PnD	20:46:47.20	2.04*
2024-08-10 time: 15:54:22.58 UTC ML= 0.4						PKSG	321.5	300	Pn	20:46:46.24	-0.54*
lat: 47.296N lon: 18.174E h= 8.1 km						CSKK	328.7	298	Pn	20:46:47.57	-0.12*
erh= 4.2km erz= 2.1km						KOLS	331.4	3	Pn	20:46:48.55	0.53*
nr= 6 gap=191 rms=0.08						PKST	339.2	295	Pn	20:46:48.96	-0.03*
Locality: Balinka						SRO	351.0	306	Pn	20:46:51.42	0.95*
Comments:						VRI	364.0	92	PnD	20:46:53.60	1.52*
sta	dist	azm	phase	hr mn sec	res	MPLH	370.4	291	Pn	20:46:52.96	0.08*
CSKK	9.9	41	PgD	15:54:24.77	-0.09	STHS	389.3	351	Pn	20:46:55.73	0.49*
			Sg	54:26.64	0.00	BLY	403.4	251	Pn	20:46:56.99	-0.01*
PKST	11.3	249	PgD	15:54:25.17	0.11	LANS	404.4	331	Pn	20:46:58.60	1.48*
			Sg	54:26.95	-0.05	NIE	406.2	341	Pn	20:46:59.35	2.01*
PKSG	19.5	57	Pg	15:54:26.32	-0.03	KWP	411.7	7	Pn	20:47:00.03	2.00*
			Sg	54:29.39	0.09	ZBNS	436.1	324	Pn	20:47:01.97	0.90*
<hr/>						ZST	450.0	304	Pn	20:47:03.60	0.79*
1171.						MODS	450.0	307	Pn	20:47:02.22	-0.59*
2024-08-10 time: 20:46:00.94 UTC ML= 4.5						KOGS	450.1	277	Pn	20:47:04.41	1.60*
lat: 45.957N lon: 22.038E h= 10.0 km						SMOL	450.2	309	Pn	20:47:03.29	0.46*
erh= 1.6km erz= 1.5km						SOP	460.2	295	Pn	20:47:04.98	0.91*
nr= 43 gap= 60 rms=0.63						JAVC	461.3	314	Pn	20:47:06.05	1.83*
Locality: Romania						RONA	479.1	294	Pn	20:47:06.76	0.33*
Comments: felt 4 IIS									Sn	47:57.00	-0.51*
						CRES	511.0	268	Pn	20:47:11.91	1.49*
						WINA	512.6	298	Pn	20:47:11.31	0.70*
									Sn	48:02.90	-2.06*
						CONA	518.9	295	Pn	20:47:11.69	0.30*
									Sn	48:06.02	-0.33*
						ARSA	519.5	286	Pn	20:47:12.75	1.28*



## Földrengés paraméterek

TIRR	527.8	108	Pn	20:47:13.31	0.81*
BOJS	530.7	265	iPn	20:47:12.69	-0.17*
			iSn	48:02.92	-6.04*
MORC	541.8	322	Pn	20:47:14.80	0.54*
SOKA	545.5	278	Pn	20:47:14.03	-0.69*
			Sn	48:10.09	-2.17*
KRUC	547.7	309	Pn	20:47:14.88	-0.10*
VRAC	553.5	312	Pn	20:47:15.79	0.08*
OBKA	581.0	276	Pn	20:47:19.76	0.62*
			Sn	48:20.92	0.78*
ABNA	583.5	301	Pn	20:47:19.15	-0.30*
			Sn	48:19.80	-0.89*
KRLC	603.0	319	Pn	20:47:23.05	1.17*
MOA	628.5	290	Pn	20:47:25.97	0.91*
MYKA	651.3	277	Pn	20:47:29.33	1.42*
			Sn	48:35.68	-0.07*
BIOA	669.4	287	Pn	20:47:31.15	0.99*
KBA	678.7	281	Pn	20:47:31.92	0.60*
			Sn	48:41.10	-0.72*
LESA	734.5	283	Pn	20:47:39.82	1.54*
ABTA	738.5	277	Pn	20:47:40.77	1.99*
KIEV	748.5	45	Pn	20:47:41.21	1.18*
WTTA	810.0	280	Pn	20:47:48.71	1.01*
WATA	815.5	281	Pn	20:47:50.28	1.90*
SQTA	841.8	280	Pn	20:47:53.19	1.53*
MOTA	851.2	280	Pn	20:47:53.22	0.39*
FETA	876.4	278	Pn	20:47:57.58	1.61*
RETA	878.7	281	Pn	20:47:56.44	0.18*
DAVA	942.9	279	Pn	20:48:04.89	0.62*



1172.

2024-08-10 time: 20:51:13.70 UTC ML= 1.6  
 lat: 45.979N lon: 22.042E h= 10.0 km  
 erh= 4.7km erz= 7.0km  
 nr= 12 gap=104 rms=0.76  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	25.8	166	PgU	20:51:19.32	0.68
			Sg	51:22.79	0.29
BZS	52.1	219	Pg	20:51:23.32	0.15
			Sg	51:30.19	-0.36
TIM	69.2	247	Sg	20:51:34.72	-1.20
GZR	86.7	139	Sg	20:51:40.62	-0.82

## Hypocenter Parameters

BANR	96.8	227	Pg	20:51:31.95	0.87
			Sg	51:44.10	-0.54
DRGR	104.0	30	P*	20:51:31.86	-0.47
			S*	51:45.03	-1.83
BORR	125.1	351	Sn	20:51:52.03	0.33
CJR	145.0	56	Sn	20:51:57.22	1.10

1173.

2024-08-10 time: 20:52:36.93 UTC ML= 2.3  
 lat: 45.984N lon: 22.083E h= 7.2 km  
 erh= 3.0km erz= 4.0km  
 nr= 16 gap= 85 rms=0.96  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	54.6	222	PgU	20:52:46.67	-0.10
			Sg	52:53.71	-0.73
TIM	72.4	248	Pg	20:52:51.10	1.18
			Sg	52:59.68	-0.37
GZR	85.1	141	Pg	20:52:52.45	0.28
			Sg	53:02.47	-1.59
BANR	99.6	228	Pg	20:52:55.10	0.34
			Sg	53:08.18	-0.50
DRGR	101.9	28	Pg	20:52:55.47	0.29
			Sg	53:07.73	-1.68
AMBH	112.4	291	Sg	20:53:11.23	-1.51
R1E1	121.8	353	Sn	20:53:13.39	-1.44
BORR	125.0	349	Pn	20:52:59.59	0.96
			Sn	53:14.15	-1.40
CJR	142.0	55	Pn	20:53:01.84	1.09
LTVH	156.3	355	Sn	20:53:23.99	1.49
PKSN	198.2	301	Sn	20:53:36.58	4.78*

1174.

2024-08-10 time: 20:56:54.95 UTC ML= 1.0  
 lat: 46.022N lon: 22.028E h= 10.0 km  
 erh= 2.9km erz=11.5km  
 nr= 6 gap=176 rms=0.49  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	30.7	166	PgU	20:57:01.06	0.35
			Sg	57:04.75	-0.46
BZS	55.2	215	Pg	20:57:05.17	0.20
			Sg	57:12.24	-0.54
DRGR	100.4	32	Pg	20:57:13.31	0.34
			Sg	57:25.75	-1.28

1175.

2024-08-10 time: 22:08:28.11 UTC ML= 1.2  
 lat: 46.030N lon: 22.032E h= 10.0 km  
 erh= 4.8km erz=25.2km  
 nr= 7 gap=177 rms=0.58  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	31.5	167	PgU	22:08:34.89	0.87
			Sg	08:38.26	-0.36
BZS	56.1	215	Pg	22:08:38.33	0.03
			Sg	08:45.55	-0.69
DEV	69.5	104	Sg	22:08:49.82	-0.61
DRGR	99.5	32	Pg	22:08:46.32	0.35
			Sg	08:59.08	-0.82

## Hypocenter Parameters

## Földrengés paraméterek

1176.  


---

 2024-08-10 time: 23:34:01.18 UTC ML= 1.0  
 lat: 46.020N lon: 22.031E h= 10.0 km  
 erh= 6.4km erz=24.7km  
 nr= 6 gap=176 rms=0.46  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	30.4	166	PgU	23:34:07.23			0.33
			Sg		34:10.86		-0.49
BZS	55.1	216	Pg	23:34:11.01			-0.18
			Sg		34:18.94		-0.05
DRGR	100.5	31	Pg	23:34:19.73			0.51
			Sg		34:32.26		-1.03

1177.  


---

 2024-08-11 time: 0:47:28.56 UTC ML= 1.1  
 lat: 46.004N lon: 22.032E h= 10.0 km  
 erh= 4.0km erz= 4.4km  
 nr= 7 gap=139 rms=0.49  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	28.7	165	PgU	0:47:34.44			0.45
			Sg		47:38.38		0.15
BZS	53.8	217	Pg	0:47:38.25			-0.09
			Sg		47:45.34		-0.62
DRGR	102.0	31	Pg	0:47:47.05			0.19
			Sg		47:59.18		-1.95
LTVH	153.8	356	Sn	0:48:13.01			0.06

1178.  


---

 2024-08-11 time: 2:41:38.52 UTC ML= 1.0  
 lat: 45.726N lon: 21.561E h= 10.0 km  
 erh= 4.4km erz= 4.4km  
 nr= 8 gap=112 rms=0.58  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	12.9	160	Pg	2:41:41.19			-0.24
			Sg		41:43.20		-0.51
TIM	26.5	273	Pg	2:41:43.83			0.26
SURR	44.0	86	Pg	2:41:47.23			0.66
			Sg		41:52.74		-0.12
AMBH	94.8	317	Sg	2:42:07.35			-1.47
DRGR	148.0	37	Pn	2:42:03.27			0.55
			Sn		42:20.81		-0.80

1179.  


---

 2024-08-11 time: 4:15:31.66 UTC ML= 1.8  
 lat: 45.524N lon: 16.042E h= 8.0 km  
 erh= 1.6km erz= 1.4km  
 nr= 33 gap=134 rms=0.70  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	34.1	354	Pg	4:15:38.17			0.26
			Sg		15:43.01		0.22
R971	34.9	356	Pg	4:15:38.49			0.43
			Sg		15:43.43		0.37
PTJ	42.3	351	Pg	4:15:39.29			-0.05
			Sg		15:44.85		-0.49
GCIS	50.0	320	iPg	4:15:41.03			0.34
			iSg		15:47.89		0.15
MOSL	56.5	80	Pg	4:15:41.47			-0.38
			Sg		15:48.54		-1.26

CRES	56.6	306	Pg	4:15:41.98			0.11
			Sg		15:49.18		-0.65
BOJS	61.8	268	iPgC	4:15:43.17			0.38
			iSg		15:50.62		-0.84
R93E	67.5	102	Pg	4:15:44.30			0.51
RCF6	90.2	356	Pg	4:15:48.46			0.64
			Sg		15:58.98		-1.45
KOGS	104.0	9	Pg	4:15:50.74			0.46
			Sg		16:03.61		-1.19
GROS	112.2	338	Pn	4:15:51.75			0.09
			Sn		16:05.02		-2.24
BEHE	119.5	28	Pn	4:15:53.17			0.60
			Sn		16:08.00		-0.88
BLY	124.5	134	Pn	4:15:52.72			-0.47
			Sn		16:08.83		-1.15
PERS	142.8	330	Sn	4:16:12.95			-1.09
SOKA	150.1	329	Sn	4:16:15.22			-0.45
OBKA	159.2	313	Pn	4:15:58.71			1.19
			Sn		16:18.01		0.32
KOVH	171.8	69	Sn	4:16:21.11			0.63
TRI	178.9	277	Sn	4:16:25.70			3.65*
ARSA	196.0	348	Sn	4:16:27.59			1.74
PKSM	215.8	69	Sn	4:16:33.22			2.97*
MORH	216.2	69	Sn	4:16:32.65			2.32

1180.  


---

 2024-08-11 time: 7:59:58.77 UTC ML= 1.2  
 lat: 46.007N lon: 22.049E h= 10.0 km  
 erh= 4.2km erz= 5.1km  
 nr= 7 gap=138 rms=0.41  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	28.8	168	Pg	8:00:04.35			0.14
			Sg		00:08.09		-0.36
BZS	54.9	218	Pg	8:00:08.71			-0.03
			Sg		00:16.19		-0.32
DRGR	101.0	30	Pg	8:00:17.42			0.53
			Sg		00:29.75		-1.27
AMBH	109.1	290	Sn	8:00:33.27			0.05

1181.  


---

 2024-08-11 time: 12:33:40.02 UTC ML= 1.0  
 lat: 45.997N lon: 22.050E h= 10.0 km  
 erh= 3.6km erz=12.2km  
 nr= 6 gap=171 rms=0.55  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	27.6	168	Pg	12:33:45.68			0.41
			Sg		33:49.05		-0.31
BZS	54.1	219	Pg	12:33:50.28			0.44
			Sg		33:56.21		-1.29
DRGR	101.9	30	Pg	12:33:58.45			0.14
			Sg		34:11.81		-0.76

1182.  


---

 2024-08-11 time: 15:29:25.48 UTC ML= 1.7  
 lat: 45.598N lon: 20.291E h= 7.9 km  
 erh= 2.9km erz= 3.2km  
 nr= 16 gap=172 rms=0.55  
 Locality: Serbia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BANR	70.2	110	Pg	15:29:37.85			-0.24
AMBH	90.1	22	Pg	15:29:42.22			0.59
			Sg		29:53.61		-0.62
BZS	103.4	89	Pg	15:29:44.15			0.15
			Sg		29:56.95		-1.49

## Földrengés paraméterek

## Hypocenter Parameters

PKB3 125.0 317 Sn 15:30:03.54 -0.41  
 PKSM 145.1 298 Pn 15:29:50.14 0.55  
 Sn 30:07.62 -0.78  
 MORH 145.1 298 Pn 15:29:49.66 0.07  
 Sn 30:08.10 -0.30  
 S9BD 147.3 297 Sn 15:30:08.66 -0.24  
 PKSN 148.1 347 Sn 15:30:09.03 -0.03  
 PKSV 161.9 282 Sn 15:30:12.13 -0.01  
 KOVH 178.8 288 Sn 15:30:16.13 0.26  
 DRGR 229.1 55 Pn 15:30:01.30 1.23  
 Sn 30:29.02 1.97

1183.

2024-08-12 time: 0:29:12.43 UTC ML= 1.5  
 lat: 46.859N lon: 21.286E h= 10.0 km  
 erh= 4.8km erz= 6.0km  
 nr= 6 gap=149 rms=1.01  
 Locality: Okány  
 Comments:

sta	dist	azm	phase	hr mn sec	res
LTVH	74.8	39	Sg	0:29:37.81	1.39
DRGR	109.0	94	Pn	0:29:31.49	-0.29
			Sn	29:45.02	-1.85
SURR	138.8	152	Sn	0:29:53.89	0.41
BZS	140.4	170	Sn	0:29:55.03	1.19
PSZ	157.8	318	Sn	0:29:57.01	-0.70

1184.

2024-08-12 time: 1:05:18.99 UTC ML= 2.0  
 lat: 46.842N lon: 21.314E h= 2.8 km  
 erh= 2.5km erz= 2.6km  
 nr= 34 gap= 49 rms=1.35  
 Locality: Sarkadkeresztúr  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BORR	45.2	52	PgD	1:05:26.94	-0.14
			Sg	05:34.58	1.19
AMBH	70.9	219	Pg	1:05:32.28	0.62
			Sg	05:41.90	0.36
LTVH	75.0	36	Pg	1:05:32.60	0.22
			Sg	05:43.02	0.19
BSZH	94.4	303	Sg	1:05:47.44	-1.57
DRGR	106.8	93	PgU	1:05:37.36	-0.70
			Sg	05:50.83	-2.10
PKSN	110.5	273	Pg	1:05:37.94	-0.78
			Sg	05:52.56	-1.56
SURR	136.1	153	Pn	1:05:42.48	-0.16
			Sn	05:59.29	-1.81
PKS6	136.5	259	Sn	1:05:59.04	-2.13
BZS	138.2	170	Pn	1:05:43.08	0.18
			Sn	06:00.45	-1.11
PSZ	160.6	318	Pn	1:05:46.82	1.12
			Sn	06:02.96	-3.58
ABAH	161.7	358	Pn	1:05:47.44	1.61
			Sn	06:04.36	-2.42
DEV	162.2	131	Pn	1:05:46.94	1.04
			Sn	06:04.15	-2.74
PKS7	165.5	278	Pn	1:05:48.25	1.94
PKB3	168.8	254	Sn	1:06:09.57	1.21
TRPA	170.4	33	Pn	1:05:46.33	-0.58
			Sn	06:07.02	-1.68
CJR	175.0	95	Sn	1:06:11.54	1.81
PENC	186.4	304	Sn	1:06:13.97	1.72
BUD	187.7	292	Sn	1:06:14.17	1.62
KECS	192.8	341	ePn	1:05:52.30	2.60
			eSn	06:13.50	-0.16
GZR	196.8	145	Sn	1:06:16.71	2.16
PKSM	216.7	251	Sn	1:06:23.21	4.22
KOLS	243.3	17	eSn	1:06:28.90	4.02

1185.

2024-08-12 time: 5:35:25.74 UTC ML= 1.6  
 lat: 45.951N lon: 22.059E h= 18.9 km  
 erh= 2.7km erz= 2.2km  
 nr= 8 gap=110 rms=0.37  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	22.5	167	PgU	5:35:31.19	0.20
			Sg	35:34.97	-0.11
BZS	50.6	223	Pg	5:35:35.10	-0.29
			Sg	35:42.52	-0.40
GZR	83.5	138	S*	5:35:51.91	0.06
DRGR	106.1	28	Pn	5:35:43.65	0.07
			Sn	35:56.72	-0.77
AMBH	112.2	293	Pn	5:35:44.96	0.62

1186.

2024-08-12 time: 6:50:37.64 UTC ML= 1.7  
 lat: 47.685N lon: 18.458E h= 0.0 km  
 erh= 2.2km erz= 4.3km  
 nr= 22 gap=114 rms=1.15  
 Locality: Tardosbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	17.9	323	Pg	6:50:41.96	1.13
			Sg	50:43.58	0.25
PKSG	33.0	189	Pg	6:50:43.93	0.40
			Sg	50:48.48	0.36
CSKK	38.7	203	Pg	6:50:44.88	0.33
			Sg	50:49.87	-0.08
BUD	48.1	118	Sg	6:50:51.68	-1.25
PKST	57.1	214	Pg	6:50:48.27	0.44
			Sg	50:55.38	-0.41
PENC	62.9	79	Pg	6:50:49.89	1.02
			Sg	50:57.00	-0.64
MPLH	89.9	230	Pg	6:50:55.08	1.40
			Sg	51:05.38	-0.82
PKB1	103.3	166	Pg	6:50:57.06	0.98
PSZ	110.7	76	Pg	6:50:59.05	1.64
			Sg	51:11.03	-1.80
ZST	116.1	299	Sg	6:51:12.51	-2.03
MODS	116.7	311	Pg	6:50:57.70	-0.77
			Sg	51:12.17	-2.55
PKB4	132.6	175	Sn	6:51:18.01	-1.58
PKSM	164.4	175	Pn	6:51:04.37	-0.80
			Sn	51:23.52	-3.12

1187.

2024-08-12 time: 8:34:48.63 UTC ML= 1.4  
 lat: 48.546N lon: 17.349E h= 0.0 km  
 erh= 0.9km erz= 294km  
 nr= 9 gap= 87 rms=0.22  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.9	122	Pg	8:34:49.91	0.05
			Sg	34:50.64	-0.18
MODS	19.9	195	Pg	8:34:52.11	-0.08
			Sg	34:54.80	-0.16
JAVC	42.1	34	Pg	8:34:56.46	0.32
			Sg	35:01.85	-0.15
ZST	43.0	205	Sg	8:35:02.78	0.48
KRUC	90.5	309	Sg	8:35:17.01	-0.40
CONA	130.1	238	Pg	8:35:11.81	-0.05

## Hypocenter Parameters

## Földrengés paraméterek

1188.  
 2024-08-12 time: 8:38:01.71 UTC ML= 0.9  
 lat: 47.978N lon: 16.074E h= 0.0 km  
 erh= 1.9km erz= 602km  
 nr= 7 gap=120 rms=0.39  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.8	251	Pg	8:38:04.87	0.17
			Sg	38:06.58	-0.46
RONA	35.1	152	Pg	8:38:07.95	-0.03
			Sg	38:12.75	-0.12
MODS	99.8	64	Sg	8:38:33.29	-0.13
KRUC	122.9	11	Pg	8:38:24.24	0.59
			Sg	38:39.75	-1.02

1189.  
 2024-08-12 time: 9:48:58.49 UTC ML= 1.2  
 lat: 46.111N lon: 18.079E h= 0.0 km  
 erh= 1.1km erz= 220km  
 nr= 11 gap=252 rms=0.18  
 Locality: Kővágóttós  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	3.0	148	Pg	9:48:58.80	-0.23
			Sg	48:59.61	0.16
PKSV	28.2	152	Pg	9:49:03.46	-0.06
			Sg	49:07.71	0.27
S9BD	42.0	75	Sg	9:49:11.81	-0.03
PKSM	44.9	76	Pg	9:49:06.39	-0.11
			Sg	49:12.70	-0.05
MORH	45.2	75	Pg	9:49:06.54	-0.02
			Sg	49:12.85	0.00
PKB4	58.9	43	Pg	9:49:08.94	-0.06
PKB5	73.8	43	Pg	9:49:12.11	0.44

1190.  
 2024-08-12 time: 11:01:09.41 UTC ML= 1.1  
 lat: 47.502N lon: 18.640E h= 0.0 km  
 erh= 2.8km erz= 2.9km  
 nr= 10 gap=205 rms=0.49  
 Locality: Bicske  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	22.4	237	Pg	11:01:13.92	0.50
			Sg	01:16.61	0.06
CSKK	32.5	242	Pg	11:01:15.41	0.19
			Sg	01:19.35	-0.40
PKST	53.1	239	Pg	11:01:18.83	-0.07
			Sg	01:25.31	-0.99
SF5A	56.6	87	Sg	11:01:27.25	-0.14
PKB1	80.6	172	Sg	11:01:35.81	0.79
MORH	142.9	180	Sn	11:01:52.39	-1.27
PKSM	143.4	180	Sn	11:01:53.76	0.01

1191.  
 2024-08-12 time: 14:50:24.98 UTC ML= 1.6  
 lat: 46.073N lon: 21.802E h= 10.0 km  
 erh= 4.8km erz= 9.2km  
 nr= 8 gap=171 rms=0.37  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	43.4	145	Pg	14:50:33.26	0.34
BZS	52.7	196	Pg	14:50:34.75	0.19
			Sg	50:42.23	0.20

TIM	58.6	230	Pg	14:50:35.35	-0.24
			Sg	50:43.99	0.12
BANR	92.6	214	Pg	14:50:41.02	-0.60
DRGR	106.1	41	P*	14:50:44.31	0.38
			S*	50:58.10	-0.62

1192.  
 2024-08-12 time: 15:10:17.77 UTC ML= 1.1  
 lat: 46.009N lon: 22.069E h= 10.0 km  
 erh= 3.8km erz=13.3km  
 nr= 6 gap=171 rms=0.50  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	28.6	171	PgU	15:10:23.60	0.41
			Sg	10:26.80	-0.61
BZS	56.0	219	Pg	15:10:28.05	0.12
			Sg	10:35.49	-0.37
DRGR	100.1	30	Pg	15:10:36.11	0.38
			Sg	10:48.57	-1.17

1193.  
 2024-08-12 time: 18:02:41.54 UTC ML= 1.8  
 lat: 46.002N lon: 22.097E h= 5.2 km  
 erh= 2.6km erz= 4.5km  
 nr= 10 gap=167 rms=0.62  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	27.7	176	PgU	18:02:47.31	0.74
			Sg	02:51.00	0.50
BZS	56.9	221	Pg	18:02:51.32	-0.42
			Sg	02:59.48	-0.21
DEV	63.9	102	Sg	18:03:01.39	-0.53
GZR	85.9	142	Pg	18:02:57.11	0.20
			Sg	03:07.72	-1.18
DRGR	99.6	28	Pg	18:02:59.88	0.52
			Sg	03:12.01	-1.25
CJR	140.0	56	Sn	18:03:24.25	0.31

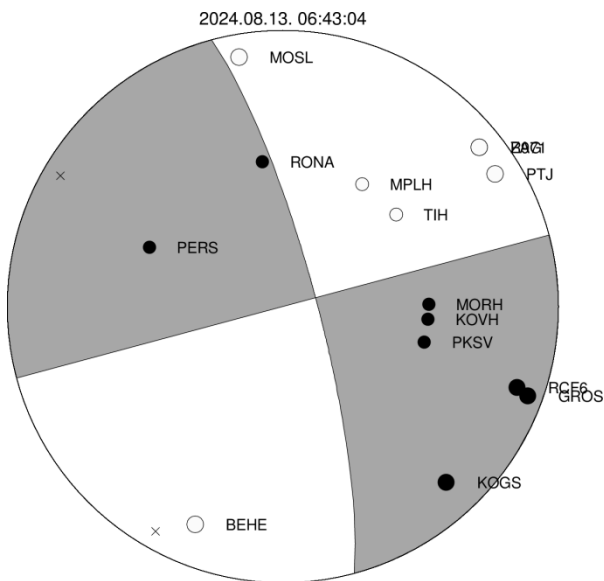
1194.  
 2024-08-12 time: 18:50:29.73 UTC ML= 1.8  
 lat: 45.674N lon: 16.484E h= 11.8 km  
 erh= 2.4km erz= 1.4km  
 nr= 18 gap=174 rms=0.58  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MOSL	22.1	108	Pg	18:50:34.07	-0.14
			Sg	50:37.69	-0.02
ZAG	41.8	294	Pg	18:50:38.35	0.86
			Sg	50:44.39	0.85
PTJ	48.0	302	Pg	18:50:38.64	0.08
			Sg	50:45.58	0.14
CRES	81.7	282	Pg	18:50:43.97	-0.50
			Sg	50:54.52	-1.44
RCF6	83.8	331	Sg	18:50:56.54	-0.09
KOGS	87.9	348	Sg	18:50:57.32	-0.61
			Pn	18:50:49.89	0.18
GROS	115.9	319	Sn	51:04.95	-0.34
			Pn	18:50:51.68	-0.25
KOVH	133.7	70	Sn	51:08.90	-0.34
			Pn	18:51:10.14	-0.41
PKSV	139.6	80	Sn	18:50:56.35	2.35
PERS	150.3	315	Pn	51:13.27	0.35
			Sn	18:51:18.65	0.27
S9BD	174.9	70	Sn	18:51:18.65	0.27



# Hypocenter Parameters

# Földrengés paraméterek



1200.

2024-08-13 time: 9:30:26.57 UTC ML= 1.4  
 lat: 48.346N lon: 19.856E h= 0.0 km  
 erh= 4.5km erz= \*\*\*km  
 nr= 9 gap=138 rms=1.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	47.6	177	Pg	9:30:35.71	0.63
			Sg	30:40.70	-1.01
KECS	49.0	72	Pg	9:30:36.20	0.87
			Sg	30:41.97	-0.19
LANS	93.9	342	Sg	9:30:55.79	-0.63
ABAH	102.7	93	Sg	9:30:57.33	-1.90
NIE	123.9	16	Pg	9:30:50.33	1.63
			Sg	31:05.40	-0.56
ZBNS	125.1	314	Sg	9:31:04.08	-2.25

1201.

2024-08-13 time: 9:37:41.33 UTC ML= 1.0  
 lat: 47.203N lon: 18.248E h= 0.0 km  
 erh= 1.7km erz= 620km  
 nr= 10 gap=137 rms=0.48  
 Locality: Csőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	17.3	291	Pg	9:37:45.01	0.58
			Sg	37:46.67	-0.17
CSKK	17.8	3	Pg	9:37:44.82	0.31
			Sg	37:46.23	-0.76
PKSG	23.6	27	Pg	9:37:45.74	0.20
			Sg	37:48.29	-0.54
MPLH	53.8	266	Pg	9:37:51.17	0.22
			Sg	37:57.19	-1.25
MORH	113.9	165	Sg	9:38:17.60	0.07
PKSM	114.3	165	Sg	9:38:17.15	-0.50

1202.

2024-08-13 time: 10:24:52.72 UTC ML= 1.3  
 lat: 46.012N lon: 22.080E h= 10.0 km  
 erh= 1.8km erz= 6.0km  
 nr= 6 gap=170 rms=0.60  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	28.9	173	PgU	10:24:58.74	0.57
			Sg	25:02.20	-0.23
BZS	56.8	219	Pg	10:25:03.19	0.18
			Sg	25:09.97	-1.07
DRGR	99.4	29	Pg	10:25:10.90	0.35
			Sg	25:23.28	-1.18

1203.

2024-08-13 time: 10:46:51.16 UTC ML= 2.6  
 lat: 45.991N lon: 22.072E h= 5.8 km  
 erh= 2.3km erz= 2.9km  
 nr= 20 gap= 64 rms=0.94  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	26.6	171	PgU	10:46:56.85	0.82
			Sg	47:00.44	0.61
BZS	54.6	220	Pg	10:47:00.89	-0.08
			Sg	47:08.23	-0.38
DEV	65.6	100	Pg	10:47:03.04	0.12
			Sg	47:11.28	-0.81

1198.

2024-08-13 time: 7:08:58.70 UTC ML= 1.7  
 lat: 46.180N lon: 16.657E h= 14.6 km  
 erh= 1.1km erz= 0.9km  
 nr= 10 gap=142 rms=0.26  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.5	16	Sg	7:09:10.39	0.06
KOGS	43.2	314	Pg	7:09:06.66	-0.19
			Sg	09:13.21	0.00
RCF6	56.4	288	Sg	7:09:17.37	0.15
MOSL	63.4	173	Sg	7:09:19.53	0.15
GROS	94.3	289	S*	7:09:28.70	0.23
CRES	100.9	247	P*	7:09:16.54	0.10
			S*	09:29.74	-0.53
MPLH	129.2	32	Sn	7:09:36.18	-0.39
ARSA	147.2	324	Sn	7:09:41.24	0.66

1199.

2024-08-13 time: 9:02:42.00 UTC ML= 2.0  
 lat: 48.662N lon: 22.348E h= 0.0 km  
 erh= 3.5km erz= 4.4km  
 nr= 11 gap=177 rms=0.78  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	30.7	350	Pg	9:02:48.45	0.97
			Sg	02:51.39	-0.36
TRPA	60.8	167	Pg	9:02:52.76	-0.09
			Sg	02:59.90	-1.42
ABAH	91.5	244	Pg	9:02:58.63	0.29
			Sg	03:11.29	0.21
STHS	116.5	316	Pg	9:03:02.44	-0.36
			Sg	03:18.68	-0.34
KECS	138.9	262	Pn	9:03:06.64	0.29
			Sn	03:23.77	-1.57
PSZ	200.0	246	Sn	9:03:43.43	4.53*
DRGR	209.7	173	Sn	9:03:43.92	2.86

## Földrengés paraméterek

## Hypocenter Parameters

GZR	86.2	140	Sg	10:47:17.18	-1.43
BANR	99.5	227	Pg	10:47:09.54	0.59
			Sg	47:22.15	-0.68
DRGR	101.7	29	Pg	10:47:09.32	-0.03
			Sg	47:21.32	-2.22
AMBH	111.3	291	Sg	10:47:25.07	-1.53
BORR	124.2	350	Pn	10:47:13.53	0.59
			Sn	47:28.79	-1.13
CJR	142.3	56	Pn	10:47:16.49	1.29
			Sn	47:33.54	-0.41
DJES	155.0	167	Sn	10:47:34.75	-2.02
LTVH	155.5	355	Sn	10:47:38.12	1.24
VOIR	239.9	105	Pn	10:47:28.91	1.54
			Sn	47:57.05	1.44

1204.

2024-08-13 time: 12:34:46.25 UTC ML= 1.4  
 lat: 47.606N lon: 16.354E h= 0.0 km  
 erh= 1.8km erz= 5.1km  
 nr= 10 gap=177 rms=0.42  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	11.3	338	PgU	12:34:48.61	0.34
			Sg	34:50.38	0.54
SOP	17.6	61	Pg	12:34:49.62	0.22
			Sg	34:51.62	-0.24
CONA	51.4	314	Pg	12:34:55.83	0.39
			Sg	35:01.82	-0.78
ARSA	74.1	238	Pg	12:34:59.13	-0.35
MODS	109.7	39	Pg	12:35:05.88	0.03
			Sg	35:20.60	-0.54
KRUC	161.9	1	Sn	12:35:33.36	-1.35

1205.

2024-08-13 time: 12:46:34.50 UTC ML= 1.8  
 lat: 48.619N lon: 21.341E h= 0.0 km  
 erh= 3.4km erz= 4.8km  
 nr= 17 gap= 68 rms=1.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.7	192	Pg	12:46:42.15	1.09
			Sg	46:46.98	0.81
KECS	64.9	257	Pg	12:46:46.65	0.55
			Sg	46:54.03	-1.11
KOLS	76.9	63	Pg	12:46:48.26	0.02
			Sg	46:59.41	0.46
STHS	89.0	355	Pg	12:46:52.17	1.78
			Sg	47:01.56	-1.23
TRPA	104.1	121	Pg	12:46:52.95	-0.15
			Sg	47:04.79	-2.81
NIE	116.4	320	Pg	12:46:54.91	-0.39
			Sg	47:10.03	-1.48
PSZ	132.7	234	Pn	12:46:58.14	0.06
			Sn	47:14.67	-1.80
LTVH	143.5	163	Sn	12:47:17.41	-1.46
LANS	149.5	293	Pn	12:47:02.54	2.36
			Sn	47:17.31	-2.90

1206.

2024-08-13 time: 13:51:07.93 UTC ML= 1.4  
 lat: 48.620N lon: 20.795E h= 0.0 km  
 erh= 3.6km erz= \*\*\*km  
 nr= 9 gap= 94 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.5	236	Pg	13:51:14.09	1.25

			Sg	51:16.28	-0.39
ABAH	48.8	138	Sg	13:51:23.48	0.04
NIE	95.5	338	Sg	13:51:38.29	0.00
PSZ	102.8	221	Pg	13:51:26.55	0.26
			Sg	51:38.69	-1.92
LANS	113.8	301	Pg	13:51:28.90	0.65
			Sg	51:42.50	-1.60
KOLS	114.0	72	Sg	13:51:43.24	-0.94

1207.

2024-08-13 time: 14:28:40.34 UTC ML= 1.8  
 lat: 46.185N lon: 16.640E h= 10.0 km  
 erh= 1.3km erz= 1.3km  
 nr= 20 gap= 77 rms=0.51  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.4	18	Pg	14:28:46.76	0.19
			Sg	28:51.57	0.14
KOGS	42.0	314	Pg	14:28:48.00	-0.04
			Sg	28:53.69	-0.36
RCF6	55.0	288	Sg	14:28:57.52	-0.59
PTJ	61.5	239	Sg	14:29:00.00	-0.16
ZAG	63.8	232	Sg	14:29:01.76	0.91
MOSL	64.1	172	Pg	14:28:52.02	0.10
			Sg	28:59.93	-1.02
GROS	92.9	289	Pg	14:28:56.97	-0.05
			Sg	29:08.89	-1.15
CRÉS	99.9	247	Pg	14:28:58.96	0.69
			Sg	29:12.06	-0.20
KOVH	113.3	95	Pn	14:29:00.12	-0.10
			Sn	29:13.77	-1.96
PERS	127.4	293	Pn	14:29:02.03	0.05
			Sn	29:18.25	-0.62
SOKA	135.2	294	Pn	14:29:03.83	0.88
			Sn	29:20.35	-0.24
ARSA	146.1	324	Sn	14:29:23.40	0.40

1208.

2024-08-13 time: 21:11:57.23 UTC ML= 0.0  
 lat: 47.403N lon: 18.362E h= 10.0 km  
 erh= 2.9km erz= 0.9km  
 nr= 6 gap=236 rms=0.56  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	2.5	119	Pg	21:11:59.15	0.08
			Sg	11:59.93	-0.57
CSKK	8.8	240	Sg	21:12:01.47	0.00
PKB2	105.0	140	S*	21:12:29.26	-1.41
PKB3	126.0	150	Pn	21:12:19.26	0.57
PKSN	127.3	116	Sn	21:12:35.96	0.24

1209.

2024-08-14 time: 0:38:38.57 UTC ML= 1.5  
 lat: 46.178N lon: 16.600E h= 11.2 km  
 erh= 1.6km erz= 1.6km  
 nr= 18 gap= 77 rms=0.60  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	35.2	23	Pg	0:38:44.72	-0.44
			Sg	38:50.79	0.49
KOGS	40.3	318	Pg	0:38:45.97	-0.08
			Sg	38:51.65	-0.23
RCF6	52.3	289	Pg	0:38:48.59	0.47
			Sg	38:55.95	0.38
MOSL	63.9	169	Pg	0:38:50.13	-0.02
			Sg	38:58.30	-0.89

## Hypocenter Parameters

R93E 89.7 166 Pg 0:38:55.40 0.69  
 GROS 90.2 290 Pg 0:38:55.13 0.32  
                   Sg 39:05.85 -1.62  
 CRES 96.8 246 Sg 0:39:09.10 -0.45  
 KOVH 116.3 95 Pn 0:38:59.00 0.32  
                   Sn 39:12.93 -1.43  
 PERS 124.9 294 Pn 0:38:59.86 0.12  
                   Sn 39:15.32 -0.93  
 SOKA 132.7 295 Sn 0:39:18.89 0.91  
 PKSM 157.6 89 Sn 0:39:24.05 0.53  
 BLY 165.3 164 Sn 0:39:28.63 3.41\*

1210.

2024-08-14 time: 4:16:50.90 UTC ML= 1.6  
 lat: 46.186N lon: 16.643E h= 14.3 km  
                   erh= 1.8km erz= 1.5km  
 nr= 14 gap= 78 rms=0.54  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.1	18	Sg	4:17:02.93	0.56
KOGS	42.0	314	Pg	4:16:58.39	-0.43
			Sg	17:05.13	0.13
RCF6	55.2	287	Sg	4:17:08.33	-0.69
MOSL	64.3	172	Pg	4:17:03.17	0.52
			Sg	17:11.31	-0.51
GROS	93.1	289	P*	4:17:08.33	0.87
			S*	17:18.59	-1.78
CRES	100.3	246	P*	4:17:08.80	0.25
			S*	17:22.19	-0.13
KOVH	113.1	96	Pn	4:17:09.74	-0.46
			Sn	17:24.93	-0.32
PERS	127.6	293	Sn	4:17:28.37	-0.10
SOKA	135.3	294	Sn	4:17:30.48	0.29

1211.

2024-08-14 time: 7:04:39.31 UTC ML= 1.4  
 lat: 48.492N lon: 17.527E h= 0.0 km  
                   erh= 3.3km erz= 3.8km  
 nr= 9 gap=220 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	7.7	288	PgU	7:04:40.76	0.08
			Sg	04:41.46	-0.29
MODS	22.7	235	Pg	7:04:43.53	0.16
			Sg	04:45.62	-0.91
JAVC	42.2	15	Pg	7:04:47.19	0.35
			Sg	04:51.44	-1.27
KRUC	104.6	307	Pg	7:04:58.40	0.41
CONA	138.8	243	Pn	7:05:03.92	0.27
MORC	142.9	0	Pn	7:05:03.75	-0.41

1212.

2024-08-14 time: 7:36:46.46 UTC ML= 1.6  
 lat: 46.848N lon: 17.272E h= 0.0 km  
                   erh= 4.1km erz= \*\*\*km  
 nr= 6 gap=149 rms=0.69  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.2	30	Pg	7:36:54.37	0.55
			Sg	37:00.10	0.54
PKST	73.8	52	Sg	7:37:09.61	-0.31
KOGS	89.9	240	Sg	7:37:15.00	-0.04
CSKK	94.4	53	Sg	7:37:14.69	-1.78
KOVH	105.7	143	Sg	7:37:19.97	-0.08

## Földrengés paraméterek

1213.

2024-08-14 time: 8:32:56.92 UTC ML= 1.3  
 lat: 47.888N lon: 16.486E h= 0.0 km  
                   erh= 3.5km erz= 5.4km  
 nr= 10 gap=167 rms=0.80  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	25.3	214	PgU	8:33:02.13	0.69
			Sg	33:05.97	1.01
CONA	46.9	275	Pg	8:33:05.62	0.33
			Sg	33:12.62	0.80
MODS	79.9	47	Pg	8:33:11.33	0.14
			Sg	33:22.64	0.31
ARSA	101.3	226	Pg	8:33:14.70	-0.32
			Sg	33:27.49	-1.65
KRUC	130.7	357	Pn	8:33:19.59	-0.66
			Sn	33:35.47	-2.98

1214.

2024-08-14 time: 14:14:57.96 UTC ML= 1.3  
 lat: 45.955N lon: 22.125E h= 17.9 km  
                   erh= 3.0km erz= 3.0km  
 nr= 7 gap=159 rms=0.51  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	22.3	180	PgU	14:15:03.77	0.70
			Sg	15:07.22	0.16
BZS	54.5	226	Pg	14:15:07.86	-0.35
			Sg	15:15.62	-0.59
DEV	60.9	97	S*	14:15:17.44	-0.70
DRGR	103.4	26	Pn	14:15:16.03	0.43
			Sn	15:28.95	-0.40

1215.

2024-08-14 time: 19:03:40.99 UTC ML= 1.0  
 lat: 46.009N lon: 21.955E h= 10.0 km  
                   erh= 4.5km erz= 8.8km  
 nr= 7 gap=121 rms=0.48  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	31.3	155	PgU	19:03:47.30	0.44
			Sg	03:50.66	-0.77
BZS	50.9	211	Pg	19:03:50.50	0.24
			Sg	03:57.54	0.04
AMBH	102.2	292	Sg	19:04:12.88	-0.75
DRGR	104.6	34	P*	19:04:00.06	0.34
			S*	04:13.61	-0.72

1216.

2024-08-14 time: 19:19:21.70 UTC ML= 2.0  
 lat: 45.997N lon: 22.074E h= 10.0 km  
                   erh= 3.1km erz= 3.6km  
 nr= 13 gap= 98 rms=0.80  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	27.3	172	PgU	19:19:27.41	0.52
			Sg	19:30.93	0.00
BZS	55.2	220	Pg	19:19:31.56	-0.16
			Sg	19:38.90	-0.64
DEV	65.5	101	Pg	19:19:33.70	0.16
GZR	86.5	141	Sg	19:19:47.48	-1.91
BANR	100.0	227	Pg	19:19:40.31	0.65



## Földrengés paraméterek

## Hypocenter Parameters

DRGR 101.0 29 Sg 19:53.16 -0.50  
 Pg 19:19:39.69 -0.14  
 Sg 19:51.73 -2.25  
 AMBH 111.3 291 Sn 19:19:55.98 -0.67  
 CJR 141.8 56 Pn 19:19:46.58 1.44  
 Sn 20:03.87 0.45

DRGR 99.4 30 Sg 55:55.51 -0.88  
 Pg 21:55:56.60 0.61  
 Sg 56:09.02 -0.89  
 RIE1 117.8 354 Sn 21:56:13.99 -0.55

1217.

2024-08-14 time: 19:29:34.28 UTC ML= 1.1  
 lat: 46.015N lon: 22.101E h= 10.0 km  
 erh= 2.4km erz= 7.8km  
 nr= 6 gap=168 rms=0.51  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	29.1	176	PgU	19:29:40.38	0.62
			Sg	29:43.96	-0.08
BZS	58.1	220	Pg	19:29:44.70	-0.11
			Sg	29:52.18	-0.84
DRGR	98.3	29	Pg	19:29:52.23	0.32
			Sg	30:04.83	-0.84

1218.

2024-08-14 time: 19:59:19.03 UTC ML= 1.6  
 lat: 46.000N lon: 22.082E h= 14.0 km  
 erh= 7.3km erz= 8.4km  
 nr= 8 gap=144 rms=0.66  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	27.6	173	PgU	19:59:25.04	0.49
			Sg	59:28.33	-0.53
BZS	55.9	220	Pg	19:59:29.36	0.04
			Sg	59:36.00	-1.35
TIM	73.0	246	Pg	19:59:32.49	0.19
DRGR	100.4	29	P*	19:59:37.51	0.78
			S*	59:49.20	-1.34
AMBH	111.7	290	Sn	19:59:52.91	-0.23

1219.

2024-08-14 time: 21:20:40.06 UTC ML= 1.3  
 lat: 46.001N lon: 22.056E h= 10.0 km  
 erh= 3.4km erz= 3.6km  
 nr= 7 gap=171 rms=0.49  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	27.9	169	PgU	21:20:46.01	0.65
			Sg	20:49.36	-0.13
BZS	54.6	219	Pg	21:20:49.77	-0.21
			Sg	20:57.13	-0.59
DRGR	101.4	30	Pg	21:20:58.46	0.21
			Sg	21:11.37	-1.07
CJR	142.7	56	Sn	21:21:22.33	0.35

1220.

2024-08-14 time: 21:55:38.15 UTC ML= 1.1  
 lat: 46.019N lon: 22.061E h= 10.0 km  
 erh= 5.5km erz= 5.9km  
 nr= 7 gap=140 rms=0.57  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	29.8	171	PgU	21:55:44.34	0.57
			Sg	55:47.81	-0.34
BZS	56.5	218	Pg	21:55:48.48	0.08

1221.

2024-08-15 time: 0:18:25.85 UTC ML= 1.6  
 lat: 45.771N lon: 17.300E h= 13.6 km  
 erh= 2.3km erz= 1.8km  
 nr= 26 gap=105 rms=0.86  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MOSL	46.0	248	PgD	0:18:34.02	-0.39
			Sg	18:40.13	-0.96
R93E	52.8	218	Pg	0:18:36.24	0.66
KOVH	71.3	60	Pg	0:18:38.86	0.04
			Sg	18:48.37	-0.56
PKSV	75.1	80	Pg	0:18:39.23	-0.25
			Sg	18:48.93	-1.18
BEHE	87.7	332	P*	0:18:43.72	2.06
			S*	18:54.01	0.02
PTJ	105.3	278	Sn	0:18:57.03	-1.61
KOGS	110.7	313	Pn	0:18:44.93	-0.02
			Sn	18:57.81	-2.04
S9BD	112.1	64	Sn	0:18:59.95	-0.21
BLY	114.0	185	Pn	0:18:46.31	0.96
			Sn	19:00.71	0.14
PKSM	114.9	65	Pn	0:18:45.57	0.10
			Sn	19:00.19	-0.58
MORH	115.3	65	Pn	0:18:45.49	-0.03
			Sn	19:00.16	-0.70
RCF6	121.1	301	Sn	0:19:00.07	-2.09
PKB4	129.0	51	Sn	0:19:05.04	1.13
CRES	143.5	272	Pn	0:18:49.51	0.48
			Sn	19:06.65	-0.46
GROS	158.8	299	Sn	0:19:10.91	0.39
PERS	194.0	300	Sn	0:19:20.30	1.96
ARSA	213.7	320	Pn	0:18:58.55	0.77

1222.

2024-08-15 time: 0:43:56.04 UTC ML= 1.0  
 lat: 47.677N lon: 16.028E h= 10.0 km  
 erh= 1.9km erz= 1.7km  
 nr= 12 gap=117 rms=0.51  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.3	83	Pg	0:44:00.32	0.23
			Sg	44:03.10	-0.14
CONA	30.6	336	Pg	0:44:01.90	0.10
			Sg	44:05.98	-0.30
SOP	39.8	89	Pg	0:44:03.69	0.31
			Sg	44:08.19	-0.91
ARSA	60.8	219	Pg	0:44:07.33	0.29
			Sg	44:14.33	-1.29
MODS	121.2	50	Pn	0:44:17.41	0.50
			Sn	44:31.43	-1.76
GROS	140.9	196	Pn	0:44:19.57	0.20
KRUC	156.4	10	Sn	0:44:40.70	-0.30

1223.

2024-08-15 time: 1:30:21.55 UTC ML= 1.6  
 lat: 45.504N lon: 16.341E h= 10.0 km  
 erh= 3.0km erz= 2.0km  
 nr= 22 gap=135 rms=0.88  
 Locality: Croatia  
 Comments:

## Hypocenter Parameters

sta	dist	azm	phase	hr	mn	sec	res
MOSL	34.5	69	PgD	1:30:28.13		0.17	
			Sg	30:33.22		0.27	
R93E	44.2	106	Pg	1:30:30.09		0.45	
ZAG	45.1	323	Pg	1:30:29.35		-0.45	
			Sg	30:36.57		0.34	
R971	45.2	325	Pg	1:30:30.11		0.30	
			Sg	30:36.47		0.22	
PTJ	53.2	326	Pg	1:30:31.17		-0.04	
			Sg	30:38.51		-0.23	
CRES	77.6	297	Pg	1:30:35.94		0.41	
			Sg	30:45.35		-1.08	
RCF6	96.8	342	Sg	1:30:50.73		-1.75	
KOGS	105.2	356	S*	1:30:53.08		-1.94	
BLY	107.0	142	P*	1:30:39.31		-1.32	
			S*	30:54.49		-1.02	
BEHE	112.5	17	Pn	1:30:41.52		0.19	
GROS	124.7	329	Pn	1:30:43.79		0.94	
			Sn	30:59.26		-0.20	
KOVH	151.4	65	Pn	1:30:46.03		-0.14	
PERS	157.5	323	Sn	1:31:08.54		1.80	
SOKA	165.1	322	Sn	1:31:10.85		2.41	
TRI	202.3	276	Sn	1:31:21.59		4.89*	

1224.

2024-08-15 time: 3:44:50.46 UTC ML= 2.7  
 lat: 46.194N lon: 16.614E h= 10.0 km  
 erh= 1.3km erz= 1.2km  
 nr= 85 gap= 60 rms=0.93  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	33.2	22	Pg	3:44:56.44		-0.21	
			Sg	45:01.61		0.14	
KOGS	39.8	315	Pg	3:44:58.01		0.22	
			Sg	45:03.83		0.32	
RCF6	52.8	287	Pg	3:45:00.08		0.02	
			Sg	45:07.43		-0.11	
PTJ	60.4	237	Pg	3:45:01.08		-0.31	
			Sg	45:09.54		-0.37	
R971	61.2	230	Pg	3:45:01.50		-0.04	
ZAG	62.8	230	Pg	3:45:02.26		0.44	
			Sg	45:11.03		0.34	
MOSL	65.4	170	Pg	3:45:02.38		0.10	
			Sg	45:12.10		0.61	
GOLS	79.2	255	ePg	3:45:04.62		-0.09	
			eSg	45:17.66		1.84	
GCIS	84.6	245	iPg	3:45:05.67		0.00	
			eSg	45:18.49		0.96	
DOBS	88.5	267	iPg	3:45:05.84		-0.54	
			eSg	45:19.11		0.32	
GROS	90.7	289	Pg	3:45:06.05		-0.70	
			Sg	45:18.00		-1.45	
R93E	91.1	167	Pg	3:45:06.28		-0.55	
CRES	98.5	245	Pg	3:45:08.20		0.06	
			Sg	45:21.66		-0.27	
KOVH	115.4	96	Pn	3:45:09.42		-1.19	
			Sn	45:24.20		-2.12	
PERS	125.2	293	Pn	3:45:11.38		-0.45	
			Sn	45:28.49		0.00	
ZAVS	125.3	282	iPn	3:45:11.56		-0.28	
			iSn	45:28.98		0.46	
TIH	125.7	51	Pn	3:45:11.19		-0.70	
			Sn	45:26.96		-1.64	
PKSV	125.8	263	iPn	3:45:11.99		0.09	
			eSn	45:27.96		-0.66	
MPLH	129.6	33	Pn	3:45:11.68		-0.70	
PKSV	131.3	105	Pn	3:45:11.61		-0.98	
			Sn	45:28.41		-1.43	
SOKA	132.9	294	Pn	3:45:12.53		-0.26	
			Sn	45:29.37		-0.84	
PKS9	135.3	71	Pn	3:45:11.84		-1.25	
			Sn	45:28.91		-1.83	

## Földrengés paraméterek

ARS	144.1	325	Pn	3:45:14.06	-0.12
			Sn	45:31.54	-1.15
VISS	144.2	252	iPn	3:45:14.30	0.11
			eSn	45:32.58	-0.12
EGYH	146.6	22	Pn	3:45:13.79	-0.71
			Sn	45:33.12	-0.14
S9BD	153.7	89	Sn	3:45:35.19	0.37
PKSM	156.5	89	Pn	3:45:14.21	-1.52
			Sn	45:36.34	0.90
MORH	156.7	89	Pn	3:45:14.06	-1.70
			Sn	45:36.46	0.97
PKB4	156.8	78	Pn	3:45:16.70	0.92
			Sn	45:36.11	0.59
PKST	160.7	43	Pn	3:45:17.35	1.10
			Sn	45:37.18	0.81
OBKA	162.8	282	Pn	3:45:16.66	0.14
			Sn	45:36.16	-0.68
SOP	165.7	359	Pn	3:45:18.30	1.42
			Sn	45:36.67	-0.81
BLY	166.6	164	Pn	3:45:19.11	2.11
			Sn	45:38.44	0.75
MOZS	167.8	274	ePn	3:45:18.82	1.68
RONA	169.2	352	Pn	3:45:19.03	1.72
			Sn	45:39.67	1.42
PKB5	169.2	75	Pn	3:45:19.11	1.80
			Sn	45:39.31	1.05
PKB1	179.7	69	Pn	3:45:20.45	1.83
			Sn	45:42.54	1.95
CSKK	180.9	44	Pn	3:45:21.07	2.30
			Sn	45:43.23	2.37
PKSG	190.1	46	Pn	3:45:22.26	2.33
PKB3	200.5	83	Sn	3:45:48.98	3.78*
CONA	201.1	343	Pn	3:45:21.64	0.34
WINA	216.7	349	Pn	3:45:23.39	0.15
TRI	227.4	256	Sn	3:45:52.73	1.54
MYKA	233.6	282	Pn	3:45:25.19	-0.16
MODS	247.5	12	Pn	3:45:25.99	-1.09
			Sn	45:54.55	-1.09
MOA	256.4	316	Pn	3:45:28.42	0.23
			Sn	45:57.85	0.23
SMOL	265.2	13	ePn	3:45:29.30	0.01
KBA	269.0	291	Pn	3:45:30.29	0.53
BIOA	281.2	306	Pn	3:45:31.51	0.23
			Sn	46:02.89	-0.22
ABTA	321.0	281	Pn	3:45:35.76	-0.48*
LESA	330.2	294	Pn	3:45:37.85	0.46*
			Sn	46:17.96	3.97*

1225.

2024-08-15 time: 3:56:48.39 UTC ML= 1.8  
 lat: 46.207N lon: 16.560E h= 12.8 km  
 erh= 1.3km erz= 1.1km  
 nr= 30 gap= 71 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	33.7	29	Pg	3:56:53.86		-0.96	
			Sg	57:00.20		0.36	
KOGS	35.9	318	Pg	3:56:55.46		0.26	
			Sg	57:00.57		0.06	
RCF6	48.4	287	Pg	3:56:57.43		0.10	
			Sg	57:04.70		0.40	
PTJ	57.7	234	Sg	3:57:07.04		-0.15	
ZAG	60.7	226	Pg	3:56:59.77		0.30	
			Sg	57:09.02		0.91	
MOSL	67.6	167	Pg	3:56:59.98		-0.70	
			Sg	57:10.55		0.29	
GOLS	75.6	253	iPg	3:57:02.56		0.49	
GCIS	81.5	242	iSg	3:57:15.20		0.60	
GROS	86.3	289	Pg	3:57:03.54		-0.42	
			Sg	57:14.80		-1.31	
CRES	95.4	244	P*	3:57:05.32		-0.12	
			S*	57:17.63		-1.11	

**Földrengés paraméterek**

**Hypocenter Parameters**

KOVH 119.7 96 Pn 3:57:08.31 -0.39  
 PERS 120.8 293 Pn 3:57:09.21 0.37  
 Sn 57:24.22 -0.58  
 SOKA 128.6 294 Sn 3:57:26.92 0.40  
 MPLH 130.7 35 Pn 3:57:10.74 0.66  
 Sn 57:26.77 -0.23  
 ARSA 140.5 326 Sn 3:57:27.67 -1.51  
 PKB4 160.6 78 Sn 3:57:33.52 -0.10  
 PKSM 160.6 90 Sn 3:57:33.71 0.08  
 MORH 160.8 90 Sn 3:57:34.20 0.52  
 PKST 162.4 44 Pn 3:57:14.16 0.13  
 RONA 167.2 353 Pn 3:57:16.71 2.08  
 Sn 57:37.50 2.40

1226.

2024-08-15 time: 5:05:10.68 UTC ML= 1.8  
 lat: 45.821N lon: 17.255E h= 10.0 km  
 erh= 3.6km erz= 2.3km  
 nr= 21 gap=155 rms=0.77  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
MOSL	45.3	239	PgD	5:05:19.18			0.22
			Sg	05:24.78			-0.64
KOVH	71.9	66	Pg	5:05:24.31			0.66
			Sg	05:33.31			-0.46
PKSV	77.8	84	Pg	5:05:24.80			0.11
			Sg	05:34.01			-1.61
PTJ	101.1	275	Sg	5:05:40.63			-2.34
KOGS	104.3	312	S*	5:05:42.93			-1.01
S9BD	113.0	68	Sn	5:05:44.97			-1.04
RCF6	115.2	300	Sn	5:05:45.49			-1.02
PKSM	115.8	68	Pn	5:05:31.08			0.20
			Sn	05:45.36			-1.28
MORH	116.2	68	Pn	5:05:31.19			0.26
			Sn	05:45.79			-0.93
PKB4	128.4	54	Pn	5:05:33.65			1.20
			Sn	05:49.85			0.42
TIH	129.6	22	Pn	5:05:33.26			0.66
			Sn	05:50.40			0.71
CRES	139.7	270	Pn	5:05:34.24			0.38
			Sn	05:52.59			0.65
GROS	153.0	298	Sn	5:05:55.09			0.21

1227.

2024-08-15 time: 5:49:52.37 UTC ML= 1.6  
 lat: 46.192N lon: 16.620E h= 11.4 km  
 erh= 1.6km erz= 1.5km  
 nr= 16 gap=149 rms=0.53  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	33.2	21	Pg	5:49:58.47			-0.16
			Sg	50:03.55			0.03
KOGS	40.3	315	Pg	5:49:59.47			-0.38
			Sg	50:05.85			0.17
RCF6	53.3	287	Sg	5:50:10.42			0.72
PTJ	60.7	238	Sg	5:50:11.54			-0.45
MOSL	65.1	171	Pg	5:50:05.04			0.87
			Sg	50:12.14			-1.24
GROS	91.2	289	Pg	5:50:08.93			0.15
			Sg	50:21.11			-0.47
CRES	98.9	246	P*	5:50:10.08			0.00
			S*	50:23.30			-0.60
PERS	125.7	293	Sn	5:50:30.75			0.57
SOKA	133.5	294	Sn	5:50:32.61			0.71
ARSA	144.5	325	Sn	5:50:34.18			-0.18
EGYH	146.7	22	Sn	5:50:31.42			-3.41*

1228.

2024-08-15 time: 6:54:11.52 UTC ML= 1.7  
 lat: 48.528N lon: 19.280E h= 0.0 km  
 erh= 2.1km erz= 3.1km  
 nr= 19 gap= 56 rms=0.84  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	70.6	11	Pg	6:54:24.39			0.26
			Sg	54:32.92			-1.05
PSZ	81.7	146	Pg	6:54:27.05			0.95
			Sg	54:36.44			-1.04
PENC	82.0	180	Pg	6:54:27.20			1.05
			Sg	54:36.52			-1.04
ZBNS	82.1	325	Pg	6:54:26.81			0.64
			Sg	54:36.75			-0.85
KECS	89.2	93	Pg	6:54:27.83			0.38
			Sg	54:39.10			-0.78
JAVC	124.1	287	Pg	6:54:33.93			0.26
NIE	124.7	37	Pg	6:54:33.78			0.00
			Sg	54:49.74			-1.41
PKSG	142.7	208	Pn	6:54:36.36			0.02
			Sn	54:53.58			-2.12
ABAH	147.3	100	Pn	6:54:38.24			1.32
			Sn	54:55.61			-1.13
MODS	149.1	263	Pn	6:54:36.99			-0.15
CSKK	150.2	210	Sn	6:54:55.93			-1.44

1229.

2024-08-15 time: 7:15:46.87 UTC ML= 1.8  
 lat: 47.813N lon: 19.958E h= 0.0 km  
 erh= 6.4km erz= 7.9km  
 nr= 9 gap=186 rms=1.26  
 Locality: Gyöngyössolymos  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	12.6	338	PgU	7:15:49.96			0.84
			Sg	15:51.37			0.49
PENC	50.7	267	Sg	7:16:03.11			0.11
KECS	84.2	28	Sg	7:16:11.25			-2.38
ABAH	109.6	61	PgU	7:16:08.12			1.69
			Sg	16:19.98			-1.72
PKSG	126.8	248	Sg	7:16:26.55			-0.64
CSKK	137.2	249	Sn	7:16:28.61			-1.22
PKST	157.4	247	Sn	7:16:34.01			-0.32

1230.

2024-08-15 time: 8:37:58.85 UTC ML= 0.8  
 lat: 47.186N lon: 18.312E h= 0.0 km  
 erh= 2.2km erz= 3.5km  
 nr= 7 gap=124 rms=0.38  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	20.1	349	Pg	8:38:02.76			0.33
			Sg	38:04.87			-0.35
PKST	22.5	291	Sg	8:38:05.73			-0.27
PKSG	23.6	15	Pg	8:38:03.54			0.47
			Sg	38:05.89			-0.47
PKSM	111.2	167	Sg	8:38:33.99			-0.20
PSZ	144.3	56	Sn	8:38:42.99			-0.41

## Hypocenter Parameters

## Földrengés paraméterek

1231.

2024-08-15 time: 9:08:40.72 UTC ML= 1.4  
 lat: 48.501N lon: 17.497E h= 0.0 km  
 erh= 2.5km erz= 3.9km  
 nr= 12 gap=207 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.2	285	PgU	9:08:41.53	-0.12
			Sg	08:42.25	-0.13
MODS	21.6	229	Pg	9:08:44.42	-0.15
			Sg	08:47.92	0.34
JAVC	41.8	18	Pg	9:08:48.10	-0.08
			Sg	08:53.46	-0.55
KRUC	102.2	308	Pg	9:08:59.31	0.35
VRAC	111.5	324	Pg	9:09:00.72	0.09
RONA	126.3	225	Pg	9:09:03.46	0.19
			Sg	09:18.41	-2.44
CONA	137.2	242	Pn	9:09:05.34	0.48
			Sn	09:21.15	-2.54

1232.

2024-08-15 time: 9:26:07.34 UTC ML= 1.6  
 lat: 48.740N lon: 20.756E h= 0.0 km  
 erh= 4.9km erz= \*\*\*km  
 nr= 7 gap=167 rms=0.82  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	34.8	215	Pg	9:26:14.05	0.49
			Sg	26:18.28	-0.13
ABAH	61.0	144	Pg	9:26:18.75	0.52
			Sg	26:26.03	-0.70
NIE	82.1	337	Sg	9:26:32.29	-1.15
PSZ	111.5	215	Pg	9:26:27.91	0.66
			Sg	26:40.74	-2.04

1233.

2024-08-16 time: 0:33:08.24 UTC ML= 1.9  
 lat: 46.216N lon: 16.611E h= 12.3 km  
 erh= 1.6km erz= 1.5km  
 nr= 14 gap= 74 rms=0.51  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	30.9	24	Pg	0:33:13.98	-0.20
			Sg	33:19.30	0.48
KOGS	37.9	313	Sg	0:33:20.86	-0.04
ZAG	64.3	228	Sg	0:33:29.26	0.20
MOSL	67.9	171	Pg	0:33:20.94	0.37
			Sg	33:30.57	0.38
GROS	89.6	288	Pg	0:33:24.70	0.30
			Sg	33:36.05	-0.94
CRES	99.4	244	P*	0:33:25.25	-0.70
			S*	33:39.49	-0.28
KOVH	115.9	97	Sn	0:33:42.37	-1.32
PERS	124.0	292	Pn	0:33:29.63	0.46
			Sn	33:45.26	-0.22
SOKA	131.7	293	Sn	0:33:47.96	0.76

1234.

2024-08-16 time: 1:37:11.03 UTC ML= 1.7  
 lat: 46.192N lon: 16.622E h= 10.0 km  
 erh= 1.6km erz= 1.4km  
 nr= 23 gap= 75 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.2	21	Pg	1:37:16.90	-0.32
			Sg	37:22.53	0.49
KOGS	40.4	315	Pg	1:37:19.07	0.60
			Sg	37:24.26	-0.01
MOSL	65.1	171	Pg	1:37:23.32	0.53
			Sg	37:31.61	-0.34
GROS	91.3	289	Pg	1:37:27.75	0.31
			Sg	37:38.86	-1.37
CRES	99.0	246	Pg	1:37:29.19	0.39
			Sg	37:41.50	-1.15
KOVH	114.8	96	Pn	1:37:30.52	-0.58
			Sn	37:45.54	-1.21
PERS	125.8	293	Pn	1:37:32.70	0.22
			Sn	37:48.87	-0.34
MPLH	129.5	33	Pn	1:37:32.98	0.05
			Sn	37:49.34	-0.68
PKSV	130.6	105	Sn	1:37:49.18	-1.09
SOKA	133.6	294	Sn	1:37:51.29	0.36
ARSA	144.6	324	Sn	1:37:53.13	-0.25
PKSM	155.9	89	Sn	1:37:57.54	1.67
MORH	156.1	89	Sn	1:37:57.46	1.54
OBKA	163.4	282	Sn	1:38:00.76	3.21*
BLY	166.2	165	Sn	1:37:58.64	0.47

1235.

2024-08-16 time: 2:13:07.04 UTC ML= 1.6  
 lat: 46.214N lon: 16.609E h= 12.6 km  
 erh= 1.8km erz= 1.7km  
 nr= 12 gap= 74 rms=0.53  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	31.3	24	PgU	2:13:13.01	-0.05
			Sg	13:17.40	-0.36
KOGS	38.0	313	Sg	2:13:19.84	0.08
MOSL	67.7	170	Pg	2:13:19.90	0.57
			Sg	13:28.43	-0.49
GROS	89.6	288	Pg	2:13:23.66	0.47
			Sg	13:35.16	-0.63
CRES	99.1	244	S*	2:13:37.69	-0.75
KOVH	116.0	97	Pn	2:13:27.49	0.56
			Sn	13:41.19	-1.25
PERS	123.9	292	Pn	2:13:27.57	-0.35
			Sn	13:44.86	0.66

1236.

2024-08-16 time: 5:06:42.46 UTC ML= 1.7  
 lat: 46.196N lon: 16.646E h= 10.0 km  
 erh= 1.6km erz= 1.6km  
 nr= 16 gap= 78 rms=0.54  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	32.0	18	Pg	5:06:48.41	-0.05
			Sg	06:53.58	0.45
KOGS	41.4	313	Pg	5:06:49.66	-0.41
			Sg	06:55.77	-0.23
PTJ	62.6	238	Pg	5:06:54.20	0.41
MOSL	65.3	173	Pg	5:06:54.99	0.73
			Sg	07:02.97	-0.49
GROS	92.9	288	Pg	5:06:59.25	0.10
			Sg	07:11.11	-1.06
CRES	100.9	246	Pg	5:07:00.62	0.05
			Sg	07:13.93	-0.76
KOVH	112.9	96	Sn	5:07:16.27	-1.51
PERS	127.4	293	Pn	5:07:04.33	0.23
			Sn	07:20.42	-0.55
SOKA	135.1	293	Sn	5:07:23.16	0.47
ARSA	145.3	324	Sn	5:07:26.06	1.11

## Földrengés paraméterek

## Hypocenter Parameters

1237.

2024-08-16 time: 6:41:41.62 UTC ML= 1.6  
 lat: 47.287N lon: 17.672E h= 0.0 km  
 erh= 2.6km erz= 3.1km  
 nr= 23 gap= 79 rms=1.06  
 Locality: Bakonykoppány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	16.4	218	Pg	6:41:44.16	-0.40
			Sg	41:47.45	0.60
PKST	27.6	96	Pg	6:41:46.51	-0.04
			Sg	41:51.05	0.66
EGYH	29.5	299	Pg	6:41:49.78	2.88
CSKK	45.3	79	Pg	6:41:51.13	1.42
			Sg	41:55.82	-0.19
PKSG	55.5	78	Pg	6:41:51.28	-0.26
			Sg	41:59.03	-0.24
SOP	94.8	298	Sg	6:42:10.99	-0.77
RONA	113.4	294	Pg	6:42:02.14	0.27
			Sg	42:15.37	-2.30
MODS	124.4	346	Pg	6:42:02.69	-1.15
PENC	133.5	65	Pn	6:42:05.27	-0.03
			Sn	42:22.18	-1.59
KOVH	137.2	166	Pn	6:42:06.13	0.36
S9BD	139.6	149	Pn	6:42:06.60	0.53
MORH	140.3	148	Pn	6:42:06.29	0.13
			Sn	42:21.71	-3.58
PKSM	140.6	148	Pn	6:42:06.53	0.34
			Sn	42:22.18	-3.17
CONA	153.7	298	Pn	6:42:08.09	0.27
			Sn	42:27.03	-1.23

1238.

2024-08-16 time: 7:40:21.39 UTC ML= 1.7  
 lat: 46.199N lon: 16.675E h= 8.5 km  
 erh= 1.7km erz= 1.8km  
 nr= 13 gap=160 rms=0.50  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	31.1	14	Pg	7:40:27.02	-0.13
			Sg	40:31.22	-0.42
KOGS	42.8	310	Pg	7:40:29.66	0.47
			Sg	40:35.00	-0.27
PTJ	64.7	239	Sg	7:40:41.39	-0.74
MOSL	65.4	175	Pg	7:40:34.04	0.87
			Sg	40:41.24	-1.12
ZAG	66.9	232	Sg	7:40:42.88	0.05
CRES	103.1	246	Pg	7:40:39.70	-0.16
			Sg	40:54.26	0.00
PERS	129.2	292	Sn	7:41:00.26	-0.40
SOKA	137.0	293	Sn	7:41:02.84	0.47
ARSA	146.3	323	Sn	7:41:04.72	0.28

1239.

2024-08-16 time: 8:30:51.48 UTC ML= 1.6  
 lat: 48.575N lon: 20.779E h= 0.0 km  
 erh= 1.2km erz= 143km  
 nr= 6 gap=248 rms=0.08  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.0	245	Pg	8:30:55.88	0.12
			Sg	30:59.04	-0.07
ABAH	46.1	132	Pg	8:30:59.66	-0.05
			Sg	31:06.19	0.06
PSZ	98.3	222	Pg	8:31:08.93	-0.10
			Sg	31:22.77	0.06

1240.

2024-08-16 time: 10:04:32.19 UTC ML= 1.7  
 lat: 46.005N lon: 22.060E h= 10.0 km  
 erh= 5.4km erz=19.0km  
 nr= 6 gap=171 rms=0.70  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	28.3	170	PgU	10:04:38.18	0.63
			Sg	04:41.58	-0.16
BZS	55.2	219	Pg	10:04:42.26	0.05
			Sg	04:49.16	-0.87
DRGR	100.8	30	Pg	10:04:50.72	0.44
			Sg	05:02.47	-1.92

1241.

2024-08-16 time: 18:54:57.87 UTC ML= 1.3  
 lat: 46.029N lon: 22.028E h= 6.3 km  
 erh= 2.9km erz=18.0km  
 nr= 6 gap=177 rms=0.35  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	31.5	166	PgU	18:55:04.11	0.51
			Sg	55:07.56	-0.51
BZS	55.9	215	Pg	18:55:07.94	0.03
			Sg	55:15.34	-0.40
DRGR	99.8	32	Pg	18:55:15.84	0.12
			Sg	55:29.24	-0.40

1242.

2024-08-17 time: 1:26:16.13 UTC ML= 1.0  
 lat: 46.023N lon: 22.029E h= 10.0 km  
 erh= 5.2km erz= 5.8km  
 nr= 7 gap=140 rms=0.54  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	30.8	166	Pg	1:26:22.29	0.38
			Sg	26:25.83	-0.59
BZS	55.4	215	Pg	1:26:26.33	0.15
			Sg	26:33.54	-0.48
DRGR	100.2	32	Pg	1:26:34.63	0.51
			Sg	26:46.70	-1.45
RIE1	117.1	355	Sn	1:26:52.26	-0.09

1243.

2024-08-17 time: 2:59:13.47 UTC ML= 2.0  
 lat: 46.205N lon: 16.635E h= 10.0 km  
 erh= 1.4km erz= 1.3km  
 nr= 50 gap= 59 rms=0.78  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	31.4	20	PgD	2:59:19.54	0.18
			Sg	59:25.09	1.13
KOGS	40.1	312	Pg	2:59:21.02	0.17
			Sg	59:26.80	0.19
RCF6	54.0	285	Pg	2:59:23.11	-0.16
PTJ	62.4	237	Pg	2:59:24.69	-0.06
			Sg	59:33.02	-0.52
ZAG	64.8	230	Sg	2:59:34.86	0.54
MOSL	66.4	172	Pg	2:59:25.55	0.10
			Sg	59:35.40	0.60
GOLS	81.0	255	iPg	2:59:28.28	0.23

## Hypocenter Parameters

		eSg	59:39.06	-0.35
GCIS	86.5 244	iPg	2:59:28.86	-0.16
DOBS	90.2 266	iPg	2:59:29.22	-0.46
GROS	91.8 288	Pg	2:59:29.36	-0.59
		Sg	59:41.79	-1.02
CESS	94.2 254	ePg	2:59:30.87	0.49
		eSg	59:43.09	-0.48
CRES	100.4 245	Pg	2:59:31.38	-0.12
		Sg	59:45.09	-0.47
KOVH	113.9 97	Pn	2:59:32.58	-0.85
		Sn	59:46.69	-2.31
PERS	126.2 292	Pn	2:59:34.69	-0.27
		Sn	59:51.60	-0.11
ZAVS	126.6 282	iPn	2:59:35.25	0.24
PKS	127.5 263	iPn	2:59:35.44	0.32
		eSn	59:52.06	0.05
MPLH	127.7 33	Pn	2:59:34.75	-0.40
PKSV	130.0 106	Sn	2:59:51.67	-0.91
SOKA	133.9 293	Pn	2:59:35.91	-0.01
		Sn	59:53.50	0.07
ARSA	144.0 324	Pn	2:59:37.91	0.73
		Sn	59:54.18	-1.49
PKSM	154.9 90	Pn	2:59:37.35	-1.19
		Sn	59:58.41	0.32
PKB4	155.0 78	Sn	2:59:59.20	1.08
MORH	155.1 90	Pn	2:59:37.22	-1.34
		Sn	59:56.35	-1.79
PKST	158.7 42	Pn	2:59:39.92	0.91
OBKA	164.1 282	Pn	2:59:40.12	0.44
		Sn	3:00:00.39	0.26
BLY	167.4 165	Pn	2:59:41.54	1.44
		Sn	3:00:03.39	2.52
RONA	168.2 351	Pn	2:59:41.63	1.43
		Sn	3:00:02.32	1.28
PKB1	177.7 69	Pn	2:59:43.92	2.53
		Sn	3:00:05.29	2.13
PKSG	188.1 45	Pn	2:59:41.71	-0.97
CONA	200.4 343	Sn	2:60:11.98	3.78*
MOA	256.6 315	Pn	2:59:50.91	-0.31
		Sn	3:00:20.16	-0.51

1244.

2024-08-17 time: 13:31:26.23 UTC ML= 1.5  
 lat: 45.815N lon: 20.778E h= 2.3 km  
 erh= 4.6km erz= 3.0km  
 nr= 7 gap=248 rms=0.82  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	59.7	356	Pg	13:31:36.86	-0.03
			Sg	31:44.71	-0.50
BZS	68.9	109	Pg	13:31:39.10	0.55
			Sg	31:47.84	-0.31
SURR	105.0	94	Sg	13:31:57.60	-2.00
DRGR	184.3	54	Pn	13:31:57.25	1.30
			Sn	32:18.66	-0.48

1245.

2024-08-17 time: 17:05:07.93 UTC ML= 2.5  
 lat: 45.805N lon: 20.700E h= 10.0 km  
 erh= 4.0km erz= 3.6km  
 nr= 38 gap=129 rms=1.38  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	41.2	101	Pg	17:05:15.50	0.00
			Sg	05:21.80	0.40
BANR	57.9	144	Pg	17:05:18.40	-0.03
			Sg	05:27.62	1.01
AMBH	60.7	2	PgU	17:05:18.77	-0.14
			Sg	05:27.62	0.15

## Földrengés paraméterek

BZS	74.4 106	Pg	17:05:20.56	-0.77
		Sg	05:30.96	-0.82
SURR	110.9 93	Pn	17:05:26.05	-1.47
		Sn	05:40.12	-2.67
PKS6	124.5 315	Pn	17:05:28.89	-0.32
		Sn	05:44.09	-1.71
PKB3	135.2 301	Pn	17:05:29.49	-1.05
		Sn	05:46.32	-1.86
PKSN	137.3 332	Pn	17:05:30.20	-0.61
		Sn	05:49.05	0.40
PKS2	138.0 304	Sn	17:05:49.48	0.68
PKB2	148.3 311	Sn	17:05:51.88	0.79
MORH	165.7 286	Pn	17:05:33.75	-0.59
		Sn	05:56.54	1.59
PKSM	165.8 286	Pn	17:05:33.79	-0.57
		Sn	05:56.44	1.47
S9BD	168.4 285	Sn	17:05:57.53	1.99
PKB5	175.3 300	Pn	17:05:35.11	-0.43
		Sn	05:55.00	-2.07
PKB4	179.3 295	Pn	17:05:38.02	1.98
		Sn	05:56.52	-1.45
PKS7	181.9 319	Pn	17:05:36.17	-0.20
PKB1	183.0 307	Pn	17:05:36.18	-0.32
		Sn	06:01.48	2.70
DRGR	189.8 55	Pn	17:05:40.22	2.86
		Sn	05:59.50	-0.81
PKSV	190.4 273	Sn	17:06:04.26	3.83
LTVH	198.3 28	Pn	17:05:41.85	3.44
KOVH	204.1 279	Sn	17:06:07.80	4.33
PENC	245.9 334	Pn	17:05:43.35	-1.00
PKSG	249.9 315	Pn	17:05:44.10	-0.75
PKST	260.7 308	Pn	17:05:45.84	-0.35

1246.

2024-08-17 time: 17:07:37.24 UTC ML= 1.4  
 lat: 45.860N lon: 20.830E h= 15.8 km  
 erh= 3.1km erz= 1.0km  
 nr= 6 gap=237 rms=0.13  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	33.3	114	Sg	17:07:48.67	-0.29
AMBH	55.1	352	Pg	17:07:47.37	-0.10
			Sg	07:55.59	0.13
BZS	66.9	114	Pg	17:07:49.65	0.13
			Sg	07:59.14	0.05
SURR	101.3	97	Sn	17:08:08.64	-0.01

1247.

2024-08-18 time: 3:16:22.28 UTC ML= 1.8  
 lat: 45.840N lon: 20.780E h= 10.0 km  
 erh= 4.6km erz= 4.0km  
 nr= 24 gap=120 rms=1.40  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	36.2	108	Pg	3:16:29.40	0.42
			Sg	16:35.26	1.05
AMBH	56.9	356	PgU	3:16:32.86	0.26
			Sg	16:40.70	0.05
BANR	57.9	151	Sg	3:16:42.05	1.10
BZS	69.7	111	Pg	3:16:34.46	-0.40
			Sg	16:44.32	-0.35
SURR	105.0	95	S*	3:16:53.19	-2.53
PKS6	126.2	312	Pn	3:16:42.73	-1.05
			Sn	16:58.92	-1.62
PKB3	138.6	298	Pn	3:16:44.49	-0.84
			Sn	17:01.82	-1.48
PKS2	141.1	301	Sn	3:17:04.15	0.31
PKB2	150.6	308	Sn	3:17:07.13	1.18
MORH	170.6	284	Pn	3:16:48.13	-1.18

## Földrengés paraméterek

PKSM 170.7 284 Pn 3:16:47.97 -1.35  
 Sn 17:12.37 1.96  
 S9BD 173.3 284 Sn 3:17:12.97 1.98  
 PKB5 178.7 298 Sn 3:17:15.35 3.16  
 DRGR 182.6 55 Pn 3:16:53.41 2.61  
 Sn 17:11.33 -1.72  
 PKB4 183.2 293 Sn 3:17:16.50 3.31  
 PKSV 196.4 272 Sn 3:17:15.90 -0.21  
 PKSG 251.5 313 Pn 3:16:58.89 -0.51

1248.

2024-08-18 time: 5:48:53.38 UTC ML= 1.0  
 lat: 45.769N lon: 21.621E h= 16.6 km  
 erh= 2.7km erz= 0.8km  
 nr= 5 gap=187 rms=0.07  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	16.9	181	PgU	5:48:57.59			-0.02
			Sg	49:00.86			-0.05
DRGR	141.4	36	Pn	5:49:16.04			0.12
			Sn	49:33.41			-0.09
R1E1	146.4	8	Sn	5:49:34.57			-0.04

1249.

2024-08-18 time: 15:57:00.61 UTC ML= 1.9  
 lat: 46.183N lon: 16.629E h= 10.0 km  
 erh= 1.1km erz= 1.0km  
 nr= 21 gap= 76 rms=0.42  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	33.8	19	PgD	15:57:06.89			-0.02
			Sg	57:11.50			-0.32
KOGS	41.5	315	Pg	15:57:08.22			-0.01
			Sg	57:14.04			-0.14
RCF6	54.3	288	Sg	15:57:17.79			-0.37
PTJ	60.8	239	Sg	15:57:19.65			-0.54
ZAG	63.0	231	Sg	15:57:21.59			0.69
MOSL	64.1	171	Pg	15:57:12.41			0.22
			Sg	57:20.81			-0.42
GROS	92.2	290	Pg	15:57:17.34			0.17
			Sg	57:29.14			-0.95
CRES	99.1	246	Pg	15:57:18.64			0.23
			Sg	57:32.03			-0.26
KOVH	114.1	95	Pn	15:57:20.27			-0.33
			Sn	57:33.97			-2.21*
PERS	126.7	293	Pn	15:57:22.39			0.22
			Sn	57:38.95			-0.04
SOKA	134.5	294	Pn	15:57:23.52			0.38
			Sn	57:40.35			-0.36
ARSA	145.7	325	Pn	15:57:25.74			1.20
			Sn	57:42.84			-0.36

1250.

2024-08-19 time: 2:24:58.55 UTC ML= 1.7  
 lat: 46.202N lon: 16.667E h= 10.0 km  
 erh= 2.5km erz= 2.7km  
 nr= 11 gap= 81 rms=0.73  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	30.9	16	Pg	2:25:04.39			0.04
			Sg	25:09.23			0.36
KOGS	42.2	310	Sg	2:25:11.93			-0.39
MOSL	65.8	174	Pg	2:25:11.30			0.86
			Sg	25:18.30			-1.41
GROS	94.2	288	Pg	2:25:15.45			-0.02
			Sg	25:27.84			-0.83

## Hypocenter Parameters

CRES 102.7 246 Sg 2:25:30.75 -0.59  
 KOVH 111.4 97 Sn 2:25:32.37 -1.15  
 PERS 128.6 292 Pn 2:25:21.45 1.11  
 Sn 25:37.48 0.15

1251.

2024-08-19 time: 5:09:56.58 UTC ML= 2.2  
 lat: 46.099N lon: 18.438E h= 8.4 km  
 erh= 1.6km erz= 1.2km  
 nr= 39 gap= 77 rms=0.74  
 Locality: Erzsébet  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
S9BD	17.6	47	PgD	5:10:00.54			0.47
			Sg	10:03.52			0.72
PKSM	20.1	51	Pg	5:10:00.68			0.20
			Sg	10:03.70			0.19
MORH	20.6	51	PgD	5:10:00.77			0.22
			Sg	10:03.82			0.18
KOVH	26.2	267	PgD	5:10:01.66			0.17
			Sg	10:05.14			-0.18
PKSV	27.5	212	PgD	5:10:01.09			-0.62
			Sg	10:04.24			-1.48
PKB4	46.0	16	PgD	5:10:05.63			0.70
			Sg	10:10.61			-0.83
PKS9	55.6	347	Pg	5:10:06.92			0.30
PKB5	59.7	23	Pg	5:10:07.87			0.52
			Sg	10:16.03			0.28
PKB3	68.6	58	Pg	5:10:08.99			0.06
			Sg	10:18.56			0.00
PKS2	74.0	54	Pg	5:10:09.90			0.02
			Sg	10:19.85			-0.41
PKB1	80.9	20	Pg	5:10:11.12			0.01
			Sg	10:21.82			-0.61
PKB2	89.0	44	Sg	5:10:24.04			-0.95
TIH	98.4	335	Sg	5:10:26.17			-1.79
PKS6	103.1	57	Pg	5:10:14.68			-0.37
			Sg	10:28.05			-1.40
PKS7	119.1	28	Pn	5:10:18.16			0.77
			Sn	10:32.86			-0.75
PKST	132.6	347	Sn	5:10:35.72			-0.89
MPLH	137.5	330	Sn	5:10:36.52			-1.18
PKSN	141.1	51	Sn	5:10:39.23			0.73
MOSL	141.5	248	Pn	5:10:20.59			0.42
			Sn	10:36.98			-1.60
PKSG	143.8	359	Pn	5:10:20.17			-0.29
			Sn	10:40.07			0.98
FRGS	151.4	135	Sn	5:10:39.27			-1.52
KOGS	173.0	283	Sn	5:10:47.95			2.37
BLY	179.3	213	Pn	5:10:26.20			1.31
			Sn	10:49.00			2.02
RCF6	193.0	278	Sn	5:10:54.18			4.17*
PTJ	193.4	263	Sn	5:10:52.70			2.60

1252.

2024-08-19 time: 8:46:27.57 UTC ML= 1.6  
 lat: 47.926N lon: 21.253E h= 10.0 km  
 erh= 3.6km erz= 4.3km  
 nr= 9 gap=105 rms=0.58  
 Locality: Józsefháza  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ABAH	41.2	359	Pg	8:46:35.15			0.02
			Sg	46:40.26			-0.77
KECS	84.2	317	Pg	8:46:43.37			0.66
			Sg	46:54.03			-0.50
PSZ	101.6	270	Pg	8:46:46.45			0.66
			Sg	46:59.85			-0.15
BSZH	101.7	227	Pg	8:46:44.97			-0.85
KOLS	135.1	34	Sn	8:47:07.68			-0.11
DRGR	167.4	139	Sn	8:47:15.65			0.68

## Hypocenter Parameters

## Földrengés paraméterek

1253.

2024-08-19 time: 12:07:20.75 UTC ML= 1.4  
 lat: 48.951N lon: 20.847E h= 0.0 km  
 erh= 2.4km erz= 5.9km  
 nr= 10 gap=112 rms=0.65  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	58.5	207	Pg	12:07:31.12	-0.07
			Sg	07:38.26	-1.07
STHS	59.3	29	Sg	12:07:38.45	-1.14
NIE	64.9	323	Pg	12:07:33.05	0.71
			Sg	07:40.92	-0.46
ABAH	78.4	158	Pg	12:07:35.06	0.31
			Sg	07:45.86	0.18
KOLS	104.5	91	Sg	12:07:53.83	-0.14
PSZ	134.8	212	Pn	12:07:45.19	0.60
			Sn	07:59.50	-3.68

1254.

2024-08-19 time: 12:23:29.69 UTC ML= 1.3  
 lat: 46.598N lon: 22.257E h= 0.0 km  
 erh= 7.2km erz= 5.0km  
 nr= 7 gap=214 rms=0.49  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	40.8	58	Pg	12:23:36.92	-0.06
			Sg	23:42.59	-0.08
SURR	94.4	186	Pg	12:23:47.54	0.99
			Sg	23:59.61	-0.09
BZS	119.8	204	Pg	12:23:50.78	-0.31
			Sg	24:07.40	-0.38
GZR	139.8	163	Sn	12:24:12.71	-0.54

1255.

2024-08-19 time: 12:25:37.03 UTC ML= 1.2  
 lat: 45.981N lon: 22.385E h= 0.0 km  
 erh= 3.6km erz= 918km  
 nr= 7 gap=140 rms=0.61  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	32.4	219	Pg	12:25:43.26	0.45
			Sg	25:47.78	0.46
DEV	41.6	105	Sg	12:25:49.82	-0.44
BZS	72.2	236	Pg	12:25:50.02	0.10
			Sg	25:58.71	-1.27
DRGR	93.5	16	Pg	12:25:54.17	0.45
			Sg	26:05.64	-1.11

1256.

2024-08-19 time: 15:01:15.94 UTC ML= 2.5  
 lat: 45.986N lon: 22.097E h= 6.4 km  
 erh= 1.8km erz= 2.0km  
 nr= 15 gap= 74 rms=0.55  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	25.8	175	PgU	15:01:21.38	0.68
			Sg	01:24.93	0.53
BZS	55.5	222	PgU	15:01:25.38	-0.54
			Sg	01:33.10	-0.60
DEV	63.5	100	Sg	15:01:36.26	0.02
TIM	73.5	248	Pg	15:01:29.81	0.69

BANR	100.6	228	Pg	15:01:33.95	0.01
			Sg	01:47.21	-0.76
DRGR	101.3	28	Pg	15:01:33.91	-0.15
			Sg	01:46.56	-1.64
CJR	141.0	55	Sn	15:01:58.67	0.36
DJES	154.0	167	Sn	15:02:00.66	-0.53
LTVH	156.3	354	Sn	15:02:01.90	0.21
ABAH	265.0	346	Pn	15:01:55.37	0.17
PSZ	272.6	322	Pn	15:01:56.47	0.32

1257.

2024-08-19 time: 21:51:56.87 UTC ML= 1.6  
 lat: 45.813N lon: 20.777E h= 10.0 km  
 erh= 4.4km erz= 3.4km  
 nr= 14 gap=176 rms=0.92  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	35.5	104	Sg	21:52:09.21	0.61
AMBH	59.8	356	PgU	21:52:07.74	0.04
			Sg	52:15.96	-0.18
BZS	68.9	109	Pg	21:52:09.66	0.35
			Sg	52:19.07	0.06
SURR	105.0	94	P*	21:52:15.38	-0.27
			S*	52:28.53	-1.77
PKS6	128.1	313	Pn	21:52:17.99	-0.61
PKB3	139.9	299	Pn	21:52:19.64	-0.43
			Sn	52:36.59	-1.57
MORH	171.2	285	Sn	21:52:46.87	1.77
PKSM	171.3	285	Sn	21:52:46.84	1.71
DRGR	184.4	54	Pn	21:52:28.28	2.66
			Sn	52:48.08	0.03

1258.

2024-08-20 time: 5:23:54.06 UTC ML= 1.4  
 lat: 46.178N lon: 16.632E h= 14.8 km  
 erh= 1.7km erz= 1.5km  
 nr= 15 gap= 76 rms=0.57  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	34.3	19	Sg	5:24:05.86	-0.09
KOGS	42.1	316	Pg	5:24:02.07	0.05
			Sg	24:08.85	0.61
RCF6	54.7	288	Pg	5:24:04.04	-0.14
			Sg	24:11.49	-0.58
MOSL	63.4	171	Pg	5:24:05.33	-0.37
			Sg	24:15.10	0.33
GROS	92.6	290	P*	5:24:11.17	0.67
			S*	24:23.26	-0.07
CRES	99.1	247	S*	5:24:24.89	-0.20
KOVH	113.9	95	Pn	5:24:13.78	0.38
			Sn	24:27.66	-0.81
MPLH	130.3	32	Sn	5:24:30.89	-1.24
PKSM	155.1	89	Sn	5:24:39.34	1.70
MORH	155.4	88	Sn	5:24:35.06	-2.63

1259.

2024-08-20 time: 5:26:59.66 UTC ML= 2.1  
 lat: 46.190N lon: 16.635E h= 10.0 km  
 erh= 1.7km erz= 1.6km  
 nr= 33 gap= 67 rms=0.82  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.0	19	Pg	5:27:05.88	0.06
			Sg	27:10.86	0.24
KOGS	41.3	314	Pg	5:27:07.66	0.42
			Sg	27:12.91	-0.25



**Földrengés paraméterek**

**Hypocenter Parameters**

PTJ	61.5	238	Pg	5:27:10.95	0.16
			Sg	27:19.49	0.02
ZAG	63.8	231	Sg	5:27:20.78	0.59
MOSL	64.7	172	Pg	5:27:11.83	0.48
			Sg	27:22.17	1.70
GROS	92.3	289	Pg	5:27:15.83	-0.42
			Sg	27:27.59	-1.59
CRES	99.8	246	Pg	5:27:17.85	0.28
			Sg	27:30.82	-0.72
KOVH	113.8	96	Pn	5:27:18.86	-0.74
			Sn	27:32.49	-2.66
PERS	126.8	293	Pn	5:27:21.04	-0.19
			Sn	27:36.79	-1.27
MPLH	129.1	32	Pn	5:27:21.38	-0.14
PKSV	129.6	105	Pn	5:27:20.99	-0.59
			Sn	27:38.10	-0.57
SOKA	134.6	294	Pn	5:27:22.30	0.10
			Sn	27:39.43	-0.35
ARSA	145.4	324	Sn	5:27:41.36	-0.81
S9BD	152.1	89	Sn	5:27:43.95	0.29
PKSM	154.9	89	Pn	5:27:23.67	-1.06
MORH	155.1	89	Pn	5:27:23.70	-1.06
PKB4	155.4	77	Sn	5:27:45.36	0.97
PKST	159.9	42	Pn	5:27:26.55	1.19
OBKA	164.5	282	Pn	5:27:26.80	0.88
			Sn	27:47.66	1.25
RONA	169.8	351	Sn	5:27:49.45	1.85
PKB1	178.3	68	Sn	5:27:51.54	2.05
PKSG	189.3	45	Pn	5:27:31.76	2.74

1260.

2024-08-20 time: 6:37:23.74 UTC ML= 1.5  
 lat: 46.034N lon: 22.795E h= 0.0 km  
 erh= 4.0km erz= 9.5km  
 nr= 9 gap=115 rms=0.98  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.7	153	Pg	6:37:27.51	0.43
			Sg	37:29.50	-0.18
SURR	60.6	239	Pg	6:37:35.67	1.11
			Sg	37:43.08	0.08
DRGR	84.5	356	Pg	6:37:39.82	0.99
			Sg	37:49.05	-1.56
BZS	102.6	243	Pg	6:37:41.47	-0.60
			Sg	37:54.32	-2.04
VOIR	187.6	111	Sn	6:38:16.64	-1.25

1261.

2024-08-20 time: 7:53:12.52 UTC ML= 1.5  
 lat: 48.680N lon: 20.803E h= 0.0 km  
 erh= 4.9km erz= 537km  
 nr= 6 gap=276 rms=0.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	32.0	227	Pg	7:53:18.41	0.17
			Sg	53:22.91	0.20
ABAH	53.5	143	Pg	7:53:22.01	-0.07
			Sg	53:29.84	0.30
PSZ	108.2	219	Pg	7:53:31.74	-0.11
			Sg	53:45.60	-1.33

1262.

2024-08-20 time: 8:14:39.13 UTC ML= 1.9  
 lat: 45.879N lon: 22.951E h= 0.0 km  
 erh= 7.0km erz=13.4km  
 nr= 10 gap=117 rms=1.38  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	3.7	277	Pg	8:14:40.48	0.69
			Sg	14:41.94	1.64
GZR	55.7	194	Sg	8:14:53.88	-2.95
SURR	65.7	258	Pg	8:14:51.40	0.54
			Sg	14:59.94	-0.07
DRGR	103.1	350	Pg	8:14:56.69	-0.85
			Sg	15:09.45	-2.45
BZS	107.8	254	Sg	8:15:11.93	-1.47
VOIR	170.8	107	Pn	8:15:09.23	1.77
			Sn	15:29.76	0.20

1263.

2024-08-20 time: 9:35:44.37 UTC ML= 2.1  
 lat: 48.429N lon: 17.247E h= 0.0 km  
 erh= 2.0km erz= 2.7km  
 nr= 27 gap= 77 rms=1.04  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.5	160	Pg	9:35:46.33	0.79
			Sg	35:46.99	0.54
SMOL	16.4	55	Pg	9:35:48.56	1.25
JAVC	57.2	33	Pg	9:35:55.53	0.95
			Sg	36:01.37	-1.17
KRUC	94.2	318	Pg	9:36:01.29	0.09
			Sg	36:13.50	-0.83
SOP	97.5	212	Pg	9:36:02.85	1.07
			Sg	36:13.80	-1.56
RONA	107.7	221	Pg	9:36:04.53	0.93
			Sg	36:17.65	-0.94
VRAC	108.9	334	Pg	9:36:04.69	0.86
			Sg	36:17.15	-1.85
EGYH	112.6	177	Pg	9:36:05.12	0.63
			Sg	36:17.94	-2.24
CONA	117.1	242	Pg	9:36:05.61	0.33
			Sg	36:20.11	-1.48
CSKK	140.6	147	Pn	9:36:08.96	0.02
			Sn	36:25.45	-2.66
MPLH	141.6	171	Pn	9:36:09.20	0.13
			Sn	36:25.93	-2.40
PKST	142.8	156	Pn	9:36:09.24	0.03
PKSG	143.5	143	Pn	9:36:09.43	0.13
			Sn	36:26.72	-2.03
MORC	151.5	8	Pn	9:36:10.57	0.28
			Sn	36:28.99	-1.52
PENC	167.3	115	Sn	9:36:32.54	-1.49

1264.

2024-08-20 time: 12:45:51.15 UTC ML= 1.6  
 lat: 48.522N lon: 17.642E h= 0.0 km  
 erh= 2.3km erz= 1.9km  
 nr= 14 gap=224 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	15.8	267	PgU	12:45:54.18	0.21
			Sg	45:56.87	0.71
MODS	31.6	238	Pg	12:45:56.69	-0.11
			Sg	46:01.01	-0.19
JAVC	37.5	3	Pg	12:45:58.22	0.37
			Sg	46:03.18	0.11
KRUC	109.5	303	Pg	12:46:11.11	0.41
			Sg	46:24.24	-1.71
VRAC	116.4	319	Pg	12:46:12.00	0.07
			Sg	46:26.75	-1.39
RONA	135.7	228	Pn	12:46:14.88	-0.22
MORC	139.7	357	Sn	12:46:33.87	-0.81
CONA	147.8	243	Pn	12:46:16.86	0.24
			Sn	46:35.86	-0.62

## Hypocenter Parameters

## Földrengés paraméterek

1265.

2024-08-20 time: 15:52:06.00 UTC ML= 1.4  
 lat: 45.917N lon: 21.710E h= 10.0 km  
 erh= 7.9km erz=10.2km  
 nr= 6 gap=156 rms=0.57  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	34.2	192	Pg	15:52:12.32			-0.04
			Sg	52:17.08			-0.25
SURR	37.0	119	Sg	15:52:17.64			-0.53
TIM	43.0	242	Pg	15:52:14.07			0.18
DRGR	124.0	38	Pn	15:52:27.99			0.77
			Sn	52:42.45			-1.32

1266.

2024-08-20 time: 16:55:54.04 UTC ML= 0.2  
 lat: 45.686N lon: 21.843E h= 10.0 km  
 erh= 2.4km erz= 1.1km  
 nr= 5 gap=175 rms=0.21  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	19.2	246	Pg	16:55:58.02			0.10
			Sg	56:00.60			-0.34
SURR	23.2	71	Pg	16:55:58.78			0.23
			Sg	56:01.81			-0.26
DRGR	139.9	29	Sn	16:56:35.24			-0.11

1267.

2024-08-21 time: 0:19:04.52 UTC ML= 1.2  
 lat: 45.992N lon: 22.052E h= 10.0 km  
 erh= 4.9km erz=17.0km  
 nr= 6 gap=171 rms=0.63  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	27.1	168	PgU	0:19:10.35			0.68
			Sg	19:13.75			0.06
BZS	53.7	219	Pg	0:19:14.23			-0.04
			Sg	19:21.25			-0.63
DRGR	102.4	30	Pg	0:19:23.08			0.19
			Sg	19:35.34			-1.87

1268.

2024-08-21 time: 6:11:05.08 UTC ML= 1.8  
 lat: 46.845N lon: 22.511E h= 0.0 km  
 erh= 0.3km erz= 0.3km  
 nr= 6 gap=265 rms=0.17  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	16.4	111	Pg	6:11:07.99			-0.02
			Sg	11:10.37			0.08
DEV	111.1	164	Sg	6:11:40.38			-0.02
SURR	124.9	194	Pg	6:11:27.22			-0.17
			Sg	11:44.73			-0.06
BZS	153.0	207	Sn	6:11:52.04			0.48
VOIR	251.0	129	Sn	6:12:11.33			-1.97*

1269.

2024-08-21 time: 7:28:25.88 UTC ML= 1.0  
 lat: 47.890N lon: 16.093E h= 0.0 km  
 erh= 2.8km erz= 4.8km  
 nr= 7 gap=134 rms=1.24  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	17.8	284	Pg	7:28:30.11			1.05
			Sg	28:31.75			0.21
RONA	26.1	144	Pg	7:28:31.57			1.03
			Sg	28:34.08			-0.09
ARSA	83.0	211	Sg	7:28:50.24			-2.02
KRUC	132.3	10	Pn	7:28:49.23			-0.18
			Sn	29:04.53			-3.23

1270.

2024-08-21 time: 8:04:57.54 UTC ML= 1.3  
 lat: 48.857N lon: 21.042E h= 0.0 km  
 erh= 3.7km erz= 5.4km  
 nr= 14 gap= 82 rms=1.27  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	58.4	225	Pg	8:05:09.31			1.34
			Sg	05:16.09			-0.02
STHS	63.9	13	Pg	8:05:09.50			0.54
			Sg	05:17.18			-0.68
ABAH	64.1	167	Pg	8:05:08.21			-0.78
			Sg	05:16.63			-1.29
NIE	82.0	320	Pg	8:05:12.52			0.33
			Sg	05:22.31			-1.30
KOLS	90.7	85	Sg	8:05:25.61			-0.75
LANS	119.7	286	Pg	8:05:20.03			1.11
			Sg	05:32.66			-2.93
PSZ	134.6	219	Sn	8:05:37.60			-2.35
OJC	176.2	329	Pn	8:05:28.63			2.08
			Sn	05:48.50			-0.67

1271.

2024-08-21 time: 8:49:23.33 UTC ML= 1.5  
 lat: 47.550N lon: 16.361E h= 0.0 km  
 erh= 2.4km erz= 3.3km  
 nr= 17 gap= 88 rms=0.90  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	17.3	344	PgU	8:49:26.67			0.25
			Sg	49:28.59			-0.24
SOP	21.0	45	Pg	8:49:27.77			0.69
			Sg	49:30.19			0.19
CONA	56.3	318	Pg	8:49:34.00			0.62
			Sg	49:39.86			-1.36
ARSA	71.5	242	Pg	8:49:37.57			1.48
			Sg	49:45.62			-0.43
MODS	114.3	37	Pg	8:49:43.83			0.08
PKST	130.4	104	Pg	8:49:46.03			-0.59
			Sg	50:02.69			-2.10
GROS	137.6	208	Sn	8:50:05.07			-1.32
RCF6	138.7	193	Sn	8:50:05.89			-0.74
SOKA	139.9	226	Pn	8:49:48.68			0.87
			Sn	50:05.62			-1.27
KRUC	168.1	1	Pn	8:49:51.48			0.15
			Sn	50:10.65			-2.51

## Földrengés paraméterek

## Hypocenter Parameters

1272.

2024-08-21 time: 19:51:15.16 UTC ML= 1.0  
 lat: 46.481N lon: 16.430E h= 13.6 km  
 erh= 3.2km erz= 1.2km  
 nr= 6 gap=173 rms=0.30  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	14.3	255	Pg	19:51:18.98	0.29
			Sg	51:21.19	-0.25
BEHE	26.5	93	Sg	19:51:24.65	0.01
RCF6	39.7	246	Sg	19:51:27.86	-0.66
PERS	102.2	280	S*	19:51:47.24	0.01
CRES	104.7	226	Sn	19:51:48.00	0.18

1273.

2024-08-22 time: 6:50:56.35 UTC ML= 1.7  
 lat: 47.875N lon: 19.400E h= 0.0 km  
 erh= 2.9km erz= 3.5km  
 nr= 10 gap=141 rms=0.39  
 Locality: Bercel  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.0	223	Pg	6:50:59.26	0.60
			Sg	51:00.95	0.48
PSZ	37.2	83	Pg	6:51:03.03	0.03
			Sg	51:07.97	-0.22
PKSG	93.0	235	Pg	6:51:12.73	-0.23
			Sg	51:25.37	-0.54
KECS	105.3	50	Pg	6:51:15.01	-0.14
PKST	123.6	236	Pg	6:51:17.77	-0.64
ABAH	144.8	71	Pn	6:51:21.69	0.26
			Sn	51:37.39	-3.61*
ZBNS	150.7	338	Pn	6:51:22.51	0.33

1274.

2024-08-22 time: 8:32:11.06 UTC ML= 1.5  
 lat: 48.619N lon: 20.708E h= 0.0 km  
 erh= 2.9km erz= \*\*\*km  
 nr= 13 gap= 85 rms=1.01  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.3	227	Pg	8:32:14.65	-0.39
			Sg	32:17.76	-0.39
ABAH	53.3	132	Pg	8:32:20.60	0.03
			Sg	32:26.55	-1.45
NIE	93.5	342	Sg	8:32:41.36	0.59
STHS	97.0	24	Pg	8:32:28.84	0.47
			Sg	32:40.01	-1.87
PSZ	98.6	218	Pg	8:32:30.58	1.92
			Sg	32:41.56	-0.84
LANS	108.4	303	Pg	8:32:30.40	-0.02
			Sg	32:43.94	-1.59
KOLS	120.2	73	Pg	8:32:33.78	1.25
			Sg	32:48.61	-0.67

1275.

2024-08-22 time: 8:37:52.16 UTC ML= 1.4  
 lat: 48.512N lon: 17.486E h= 0.0 km  
 erh= 1.1km erz= 1.6km  
 nr= 10 gap=206 rms=0.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.3	272	PgU	8:37:52.91	-0.01

sta	dist	azm	phase	hr mn sec	res
MODS	21.8	225	Sg	37:53.50	-0.02
			Pg	8:37:56.29	0.23
			Sg	37:58.86	-0.24
JAVC	40.9	19	Pg	8:37:59.59	0.13
			Sg	38:05.13	-0.03
KRUC	100.8	307	Pg	8:38:10.62	0.45
			Sg	38:23.99	-0.22
CONA	137.1	242	Sn	8:38:33.87	-1.23
MORC	140.7	2	Sn	8:38:34.19	-1.72

1276.

2024-08-22 time: 8:41:59.92 UTC ML= 0.7  
 lat: 47.197N lon: 18.274E h= 0.0 km  
 erh= 2.5km erz= 603km  
 nr= 7 gap=143 rms=0.41  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.5	357	Pg	8:42:03.41	0.19
			Sg	42:05.28	-0.51
PKST	19.4	291	Pg	8:42:03.68	0.31
			Sg	42:05.74	-0.33
PKSG	23.4	22	Pg	8:42:04.41	0.32
			Sg	42:07.12	-0.23
PKSM	113.1	166	Sg	8:42:34.63	-1.23

1277.

2024-08-22 time: 11:09:26.03 UTC ML= 2.1  
 lat: 47.316N lon: 18.459E h= 0.0 km  
 erh= 2.8km erz= 921km  
 nr= 11 gap=115 rms=0.74  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.9	328	Pg	11:09:28.23	0.43
			Sg	09:28.46	-0.71
CSKK	15.9	289	Pg	11:09:29.56	0.69
			Sg	09:30.61	-0.48
PKST	32.8	259	Pg	11:09:32.31	0.43
			Sg	09:35.46	-0.99
MPLH	71.5	257	Pg	11:09:39.45	0.65
			Sg	09:47.55	-1.21
PKSM	123.6	174	Pg	11:09:48.53	0.44
			Sg	10:04.23	-1.07
PSZ	127.0	58	Sg	11:10:05.01	-1.38

1278.

2024-08-22 time: 12:30:09.56 UTC ML= 1.4  
 lat: 45.511N lon: 17.798E h= 0.0 km  
 erh= 6.7km erz= 857km  
 nr= 9 gap=238 rms=0.64  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	54.9	40	Sg	12:30:26.92	-0.11
KOVH	68.4	20	Sg	12:30:32.20	0.90
MOSL	82.3	278	Pg	12:30:25.02	0.77
			Sg	30:34.40	-1.31
S9BD	99.6	39	Sg	12:30:41.82	0.59
PKSM	101.8	40	Pg	12:30:27.83	0.08
			Sg	30:41.14	-0.79
MORH	102.3	40	Pg	12:30:27.54	-0.29
			Sg	30:41.46	-0.62

Hypocenter Parameters

Földrendés paraméterek

1279.

2024-08-22 time: 14:00:39.79 UTC ML= 3.4
lat: 45.808N lon: 20.759E h= 12.1 km
erh= 3.1km erz= 2.6km
nr= 50 gap=124 rms=1.41
Locality: Croatia
Comments:

Table with columns: sta, dist, azm, phase, hr mn sec, res. Contains seismic station data for stations like TIM, BANR, AMBH, BZS, SURR, PKS6, PKB3, PKSN, PKS2, PKB2, BORR, DEV, MORH, PKSM, BSZH, S9BD, PKB5, PKB4, PKS7, DRGR, PKB1, DJES, KOKSV, KOVH, PKS9, BUD, PENC, TIH, CSKK, PKST, ABAH, MPLH, TRPA, KECS, BLY, VOIR, PTJ, SOP, ZST, MODS, SMOL, RONA, ZBNS, CRES, ARSA, WINA, CONA.

Table with columns: station name, dist, azm, phase, hr mn sec, res. Contains seismic station data for stations like SOKA, OBKA, MORC, ABNA, MOA, TREC, BIOA, KBA, PRU.

1280.

2024-08-22 time: 14:35:24.20 UTC ML= 1.6
lat: 45.806N lon: 20.785E h= 0.3 km
erh= 7.2km erz= 510km
nr= 5 gap=248 rms=0.56
Locality: Romania
Comments:

Table with columns: sta, dist, azm, phase, hr mn sec, res. Contains seismic station data for stations like TIM, AMBH, BZS.

1281.

2024-08-22 time: 15:58:48.79 UTC ML= 2.3
lat: 45.810N lon: 20.747E h= 10.0 km
erh= 4.3km erz= 4.0km
nr= 21 gap=131 rms=1.15
Locality: Romania
Comments:

Table with columns: sta, dist, azm, phase, hr mn sec, res. Contains seismic station data for stations like TIM, BANR, AMBH, BZS, SURR, PKS6, PKB3, PKSN, PKB2, MORH, PKSM, PKB1, DRGR, KOVH, PSZ.

1282.

2024-08-22 time: 18:33:02.30 UTC ML= 1.8
lat: 46.884N lon: 16.157E h= 4.1 km
erh= 1.9km erz= 3.0km
nr= 25 gap= 55 rms=0.93
Locality: Felsőszölnök
Comments:

Table with columns: sta, dist, azm, phase, hr mn sec, res. Contains seismic station data for stations like KOGS, RCF6.

**Földrengés paraméterek**

**Hypocenter Parameters**

ARSA	63.1	310	Pg	18:33:14.70	1.11
			Sg	33:22.30	-0.10
BEHE	66.0	134	Pg	18:33:14.83	0.72
			Sg	33:22.90	-0.41
GROS	68.7	227	Pg	18:33:15.02	0.42
			Sg	33:23.48	-0.71
PERS	84.1	251	Pg	18:33:17.35	0.01
			Sg	33:27.82	-1.26
SOKA	88.9	255	Pg	18:33:18.49	0.30
			Sg	33:29.58	-1.00
RONA	91.3	7	Pg	18:33:19.04	0.42
			Sg	33:30.02	-1.33
SOP	93.9	19	Sg	18:33:30.72	-1.46
MPLH	109.8	73	Sg	18:33:35.20	-2.03
PTJ	110.4	188	Pg	18:33:22.70	0.67
			Sg	33:35.38	-2.05
CONA	118.2	349	Pg	18:33:24.07	0.64
			Sg	33:38.53	-1.38
CRES	129.4	205	Pn	18:33:26.45	1.50
			Sn	33:40.64	-1.97
OBKA	129.9	251	Pn	18:33:25.66	0.65
MOSL	148.5	162	Sn	18:33:47.49	0.63
KOVH	173.4	121	Sn	18:33:52.27	-0.12

1283.

2024-08-22 time: 19:48:03.56 UTC ML= 1.5  
 lat: 45.822N lon: 20.896E h= 10.0 km  
 erh= 5.0km erz= 3.3km  
 nr= 5 gap=198 rms=0.47  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	27.0	111	Pg	19:48:09.28	0.58
			Sg	48:12.34	-0.37
AMBH	60.1	347	Sg	19:48:23.05	0.12
BZS	60.6	112	Sg	19:48:22.45	-0.63
PKS6	134.3	310	Sn	19:48:43.29	-0.31

1284.

2024-08-23 time: 1:40:48.49 UTC ML= 2.3  
 lat: 45.821N lon: 20.747E h= 6.8 km  
 erh= 3.5km erz= 3.5km  
 nr= 35 gap=124 rms=1.39  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	38.0	104	Pg	1:40:56.14	0.75
			Sg	41:02.38	1.60
BANR	57.4	148	Pg	1:40:59.52	0.70
			Sg	41:08.00	1.13
AMBH	58.8	358	PgU	1:40:59.48	0.41
			Sg	41:07.62	0.30
BZS	71.4	109	Pg	1:41:01.29	-0.02
			Sg	41:10.45	-0.85
SURR	107.4	94	Pg	1:41:06.66	-1.05
			Sg	41:20.17	-2.53
PKS6	125.8	313	Pn	1:41:09.55	-0.79
			Sn	41:25.02	-2.36
PKB3	137.4	299	Pn	1:41:10.49	-1.30
			Sn	41:29.75	-0.21
PKSN	137.4	330	Pn	1:41:11.14	-0.65
			Sn	41:29.84	-0.13
PKB2	149.9	309	Sn	1:41:33.27	0.54
BORR	162.1	29	Sn	1:41:36.37	0.94
DEV	167.6	88	Sn	1:41:34.36	-2.31
MORH	168.7	285	Pn	1:41:14.46	-1.23
			Sn	41:38.34	1.44
PKSM	168.8	285	Pn	1:41:14.40	-1.30
			Sn	41:38.22	1.30
S9BD	171.3	285	Sn	1:41:38.96	1.47
PKB4	181.8	294	Pn	1:41:15.29	-2.03

			Sn	41:42.36	2.55
PKS7	182.9	318	Sn	1:41:42.80	2.75
DRGR	185.8	55	Pn	1:41:20.11	2.28
			Sn	41:43.10	2.39
PKSV	193.9	272	Sn	1:41:45.92	3.42
KOVH	207.4	278	Sn	1:41:48.76	3.27
PKS9	208.7	294	Sn	1:41:50.61	4.84
PENC	245.8	333	Pn	1:41:23.77	-1.54
PKST	262.4	308	Pn	1:41:27.00	-0.37
MPLH	288.3	301	Pn	1:41:30.20	-0.41

1285.

2024-08-23 time: 3:22:14.01 UTC ML= 2.4  
 lat: 45.960N lon: 22.107E h= 10.0 km  
 erh= 3.5km erz= 3.8km  
 nr= 22 gap= 70 rms=1.07  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	22.9	177	PgU	3:22:19.11	0.64
			Sg	22:22.56	0.61
BZS	53.9	225	PgU	3:22:23.11	-0.69
			Sg	22:29.90	-1.54
DEV	62.4	98	Pg	3:22:25.31	0.02
			Sg	22:33.60	-0.49
TIM	73.1	250	Sg	3:22:37.53	0.05
BANR	99.2	230	Pg	3:22:32.22	0.40
			Sg	22:45.77	0.06
DRGR	103.5	27	P*	3:22:31.81	-0.76
			S*	22:43.71	-3.33
AMBH	115.2	292	Pn	3:22:33.59	-0.54
			Sn	22:47.24	-2.58
BORR	128.1	349	Pn	3:22:36.30	0.57
			Sn	22:51.54	-1.14
CJR	142.1	54	Pn	3:22:38.31	0.82
			Sn	22:56.21	0.40
DJES	151.0	167	Sn	3:22:58.18	0.40
LTVH	159.2	354	Pn	3:22:41.47	1.85
			Sn	23:01.13	1.54
CEIR	194.3	9	Sn	3:23:10.68	3.31
PKSN	201.2	301	Sn	3:23:13.33	4.41*

1286.

2024-08-23 time: 5:06:01.55 UTC ML= 1.4  
 lat: 47.868N lon: 16.055E h= 0.0 km  
 erh= 2.6km erz= 3.8km  
 nr= 11 gap= 85 rms=0.87  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.9	295	Pg	5:06:05.17	0.77
			Sg	06:07.27	0.65
RONA	26.0	136	PgU	5:06:06.86	0.66
			Sg	06:10.34	0.52
ARSA	79.5	210	Pg	5:06:16.24	0.50
			Sg	06:25.21	-1.60
MODS	107.0	58	Pg	5:06:20.73	0.08
			Sg	06:33.82	-1.73
KRUC	135.1	11	Pn	5:06:25.17	-0.26
			Sn	06:41.64	-2.42
PERS	154.3	207	Sn	5:06:48.01	-0.31

1287.

2024-08-23 time: 7:08:23.51 UTC ML= 1.7  
 lat: 48.295N lon: 21.516E h= 0.0 km  
 erh= 3.5km erz= 7.2km  
 nr= 13 gap=147 rms=0.98  
 Locality: Bodrogolaszi  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
ABAH	20.5	270	Pg	7:08:27.53	0.36
			Sg	08:30.34	0.31
TRPA	78.2	104	Pg	7:08:38.97	1.49
			Sg	08:46.66	-1.71
KECS	79.1	285	Pg	7:08:38.47	0.83
			Sg	08:47.76	-0.90
KOLS	90.3	38	Pg	7:08:40.04	0.40
			Sg	08:51.76	-0.46
STHS	126.4	351	Pg	7:08:46.57	0.50
			Sg	09:01.83	-1.84
PSZ	127.8	251	Pg	7:08:45.84	-0.49
			Sg	09:01.85	-2.29
NIE	153.0	325	Sn	7:09:09.18	-0.82

1288.

2024-08-23 time: 8:14:57.90 UTC ML= 1.2  
 lat: 46.165N lon: 18.301E h= 0.0 km  
 erh= 1.8km erz= 332km  
 nr= 10 gap=197 rms=0.28  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.7	241	Pg	8:15:00.99	-0.08
			Sg	15:02.74	-0.79
S9BD	24.0	79	Pg	8:15:02.24	0.06
			Sg	15:05.20	-0.31
PKSM	26.8	79	Pg	8:15:02.82	0.13
			Sg	15:05.84	-0.58
MORH	27.1	78	Pg	8:15:02.91	0.17
			Sg	15:06.66	0.14
PKSV	31.0	187	Pg	8:15:03.46	0.02
			Sg	15:08.31	0.56

1289.

2024-08-23 time: 8:38:25.46 UTC ML= 2.3  
 lat: 45.831N lon: 20.810E h= 11.6 km  
 erh= 1.3km erz= 1.2km  
 nr= 22 gap=119 rms=0.40  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	33.6	108	Pg	8:38:32.51	0.70
			Sg	38:36.53	-0.24
BANR	55.9	153	Pg	8:38:35.29	-0.38
			Sg	38:43.13	-0.50
AMBH	58.1	354	Pg	8:38:35.85	-0.19
			Sg	38:44.28	0.00
BZS	67.1	111	Pg	8:38:38.05	0.42
			Sg	38:47.21	0.09
SURR	102.6	95	P*	8:38:43.56	-0.16
			S*	38:56.36	-1.61
PKS6	128.6	312	Pn	8:38:46.65	-0.40
			Sn	39:03.32	-0.57
PKB3	141.2	298	Sn	8:39:06.66	-0.01
			Pn	8:38:51.74	-0.28
MORH	173.1	284	Pn	8:38:53.03	0.43
			Sn	39:14.26	0.50
PKSM	173.2	284	Pn	8:38:52.89	0.28
			Sn	39:14.07	0.29
S9BD	175.8	284	Sn	8:39:14.88	0.52
			Pn	8:38:53.63	0.02
DRGR	181.2	54	Sn	39:15.68	0.12
			Sn	8:39:21.45	1.99*

1290.

2024-08-23 time: 8:38:54.39 UTC ML= 1.8  
 lat: 45.812N lon: 20.764E h= 5.3 km  
 erh= 3.9km erz= 3.2km  
 nr= 7 gap=177 rms=0.44  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	59.9	357	Pg	8:39:05.14	0.01
			Sg	39:13.47	-0.04
BZS	69.8	108	Sg	8:39:16.40	-0.24
PKS6	127.5	313	Sn	8:39:33.24	-0.74
PKB3	139.1	299	Sn	8:39:36.58	0.02
PKSM	170.3	285	Sn	8:39:44.18	0.68
DRGR	185.4	54	Sn	8:39:48.07	1.24

1291.

2024-08-23 time: 9:10:44.65 UTC ML= 2.0  
 lat: 48.338N lon: 19.914E h= 0.0 km  
 erh= 3.4km erz= 4.7km  
 nr= 18 gap= 89 rms=1.39  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.3	69	Pg	9:10:53.17	0.43
			Sg	10:59.03	-0.01
PSZ	46.7	182	Pg	9:10:52.80	-0.18
			Sg	10:59.39	-0.09
PENC	77.0	218	Sg	9:11:08.73	-0.39
			Pg	9:11:02.64	0.81
LANS	96.2	340	Sg	11:13.63	-1.59
			Pg	9:11:02.55	0.33
ABAH	98.4	93	Sg	11:14.27	-1.66
			Pg	9:11:06.76	0.01
NIE	123.7	14	Sg	11:21.50	-2.48
			Pg	9:11:07.86	0.20
ZBNS	128.8	313	Sg	11:22.51	-3.09
			Pn	9:11:13.17	2.21
STHS	154.6	39	Sn	11:30.20	-1.29
			Sn	9:11:29.92	-1.68
PKSG	155.1	227	Sn	9:11:29.92	-1.68
			Pn	9:11:16.56	3.01
JAVC	175.4	289	Pn	9:11:16.56	3.01
			Sn	11:35.14	-0.96

1292.

2024-08-23 time: 13:23:08.79 UTC ML= 1.3  
 lat: 47.416N lon: 16.288E h= 0.0 km  
 erh= 2.3km erz= 446km  
 nr= 8 gap=218 rms=0.32  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	31.6	1	PgU	13:23:14.60	0.17
			Sg	23:18.77	-0.06
SOP	36.1	34	Pg	13:23:15.38	0.15
			Sg	23:19.64	-0.61
ARSA	60.7	252	Pg	13:23:19.77	0.14
			Sg	23:25.77	-2.30
CONA	65.4	331	Pg	13:23:20.46	-0.01
			Sg	23:29.61	0.03

1293.

2024-08-24 time: 0:18:55.46 UTC ML= 1.4  
 lat: 45.814N lon: 20.761E h= 6.2 km  
 erh= 4.0km erz= 3.5km  
 nr= 10 gap=177 rms=0.69  
 Locality: Romania  
 Comments:

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
TIM	36.8	103	Sg	0:19:07.81	0.50
AMBH	59.7	357	PgD	0:19:06.20	0.03
			Sg	19:14.31	-0.22
BZS	70.1	108	Pg	0:19:08.42	0.39
			Sg	19:17.24	-0.59
SURR	106.2	94	Sg	0:19:27.58	-1.70
MORH	169.9	285	Sn	0:19:43.78	-0.49
PKSM	170.0	285	Sn	0:19:44.10	-0.20
DRGR	185.4	54	Pn	0:19:26.21	1.39
			Sn	19:47.26	-0.46

1294.

2024-08-24 time: 14:39:21.67 UTC ML= 1.7  
 lat: 47.763N lon: 18.033E h= 11.2 km  
 erh= 1.4km erz= 1.4km  
 nr= 14 gap= 95 rms=0.36  
 Locality: Komárom  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	47.6	159	Pg	14:39:30.29	-0.11
			Sg	39:37.01	-0.20
PKSG	49.2	147	Pg	14:39:30.67	-0.02
			Sg	39:37.61	-0.11
PKST	56.0	180	Pg	14:39:32.01	0.14
			Sg	39:39.78	-0.04
MPLH	75.6	209	Sg	14:39:45.91	-0.07
ZST	84.6	305	Pg	14:39:37.45	0.55
			Sg	39:47.86	-0.92
MODS	88.3	320	Pg	14:39:37.93	0.37
			Sg	39:48.82	-1.13
JAVC	124.9	348	Sn	14:39:59.01	-0.35
RONA	130.4	267	Sn	14:40:00.66	0.06
PSZ	140.4	83	Sn	14:40:02.90	0.08

1295.

2024-08-24 time: 14:55:07.83 UTC ML= 1.0  
 lat: 46.008N lon: 22.093E h= 10.0 km  
 erh= 0.5km erz= 1.3km  
 nr= 5 gap=168 rms=0.43  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	28.3	175	Pg	14:55:13.60	0.40
			Sg	55:16.78	-0.60
BZS	57.1	220	Pg	14:55:18.15	-0.03
DRGR	99.2	29	Pg	14:55:25.93	0.29
			Sg	55:38.66	-0.88

1296.

2024-08-24 time: 20:57:49.69 UTC ML= 1.6  
 lat: 45.806N lon: 20.741E h= 11.9 km  
 erh= 3.6km erz= 2.4km  
 nr= 16 gap=178 rms=0.80  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	38.1	102	Pg	20:57:57.27	0.46
			Sg	58:03.04	0.67
AMBH	60.5	359	PgU	20:58:00.56	-0.13
			Sg	58:08.89	-0.39
BZS	71.3	107	Pg	20:58:02.37	-0.23
			Sg	58:11.80	-0.87
SURR	107.7	93	Pn	20:58:08.39	-0.25
			Sn	58:21.82	-1.60
PKS6	126.6	314	Sn	20:58:26.81	-0.80
PKB3	137.9	300	Pn	20:58:13.77	1.38
			Sn	58:29.47	-0.63

PKS2	140.5	303	Sn	20:58:30.06	-0.63
MORH	168.7	286	Sn	20:58:37.30	0.36
PKSM	168.8	285	Sn	20:58:37.30	0.34
DRGR	187.2	54	Pn	20:58:21.96	3.42
			Sn	58:42.01	0.96

1297.

2024-08-25 time: 20:05:36.71 UTC ML= 1.1  
 lat: 46.006N lon: 22.069E h= 10.0 km  
 erh= 0.7km erz= 2.5km  
 nr= 6 gap=170 rms=0.55  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	28.3	171	PgU	20:05:42.69	0.61
			Sg	05:46.03	-0.24
BZS	55.8	219	Pg	20:05:46.94	0.11
			Sg	05:53.72	-1.00
DRGR	100.3	29	Pg	20:05:55.00	0.28
			Sg	06:07.82	-0.94

1298.

2024-08-25 time: 20:27:51.15 UTC ML= 0.9  
 lat: 46.017N lon: 22.037E h= 6.6 km  
 erh= 4.4km erz=24.9km  
 nr= 6 gap=175 rms=0.41  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	30.0	167	Pg	20:27:57.20	0.56
			Sg	28:00.36	-0.56
BZS	55.2	216	Pg	20:28:01.00	-0.08
			Sg	28:08.60	-0.22
DRGR	100.5	31	Pg	20:28:09.37	0.23
			Sg	28:22.51	-0.66

1299.

2024-08-26 time: 8:32:24.84 UTC ML= 1.6  
 lat: 46.068N lon: 22.778E h= 0.0 km  
 erh= 2.7km erz= 773km  
 nr= 8 gap=158 rms=0.55  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	22.7	155	PgU	8:32:28.61	-0.29
			Sg	32:31.89	-0.18
SURR	61.5	235	Pg	8:32:36.32	0.49
			Sg	32:44.08	-0.33
DRGR	80.6	356	Pg	8:32:39.82	0.59
			Sg	32:49.20	-1.26
BZS	103.2	241	Pg	8:32:43.62	0.34
			Sg	32:56.82	-0.83

1300.

2024-08-26 time: 8:41:54.21 UTC ML= 1.6  
 lat: 48.782N lon: 21.677E h= 0.0 km  
 erh= 3.9km erz= 5.0km  
 nr= 12 gap=165 rms=0.97  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	46.9	69	Pg	8:42:03.21	0.63
			Sg	42:06.71	-2.40
STHS	77.4	336	Pg	8:42:08.72	0.70
			Sg	42:17.23	-1.57
KECS	93.9	249	Pg	8:42:11.50	0.53

## Hypocenter Parameters

## Földrengés paraméterek

Sg 42:23.40 -0.65  
 KWP 120.7 38 Pg 8:42:16.04 0.28  
 NIE 122.2 305 Pg 8:42:16.86 0.83  
 Sg 42:31.33 -1.72  
 PSZ 163.3 234 Sn 8:42:41.58 -1.40  
 LANS 166.9 284 Pn 8:42:22.63 0.58  
 Sn 42:42.96 -0.80

1301.

2024-08-26 time: 10:00:49.39 UTC ML= 1.7  
 lat: 48.133N lon: 16.846E h= 0.0 km  
 erh= 3.8km erz= 5.6km  
 nr= 15 gap=151 rms=1.15  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	20.3	70	Pg	10:00:52.60			-0.42
			Sg	00:54.83			-1.02
MODS	41.7	50	Pg	10:00:56.66			-0.18
			Sg	01:00.46			-2.19
RONA	63.3	220	Pg	10:01:01.31			0.61
			Sg	01:08.12			-1.40
CONA	76.9	253	Pg	10:01:04.12			1.00
			Sg	01:12.63			-1.19
JAVC	101.2	37	Pg	10:01:09.73			2.27
			Sg	01:22.50			0.95
KRUC	108.5	342	Pg	10:01:09.92			1.15
			Sg	01:23.14			-0.74
VRAC	132.0	352	Pn	10:01:12.40			-0.48
			Sn	01:28.79			-2.42
ARSA	139.6	225	Pn	10:01:13.63			-0.20

1302.

2024-08-26 time: 14:10:54.04 UTC ML= 1.1  
 lat: 46.038N lon: 22.212E h= 10.0 km  
 erh= 5.8km erz= 4.9km  
 nr= 6 gap=167 rms=0.52  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	32.3	192	Pg	14:11:00.74			0.66
			Sg	11:04.62			-0.17
BZS	65.8	225	Pg	14:11:05.95			0.02
			Sg	11:14.01			-1.20
DRGR	92.1	25	Sg	14:11:23.12			-0.38
BORR	121.4	344	Sn	14:11:31.36			0.13

1303.

2024-08-27 time: 5:24:41.16 UTC ML= 1.4  
 lat: 46.189N lon: 16.176E h= 4.0 km  
 erh= 1.4km erz= 8.5km  
 nr= 6 gap=196 rms=0.44  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	29.3	11	Pg	5:24:46.64			0.19
			Sg	24:49.66			-0.91
PTJ	36.3	208	Pg	5:24:47.77			0.09
			Sg	24:51.72			-1.05
GROS	60.0	300	Pg	5:24:52.20			0.29
CRES	68.8	234	Pg	5:24:53.66			0.20

1304.

2024-08-27 time: 6:11:52.42 UTC ML= 1.9  
 lat: 48.346N lon: 17.356E h= 0.0 km  
 erh= 4.4km erz= \*\*\*km  
 nr= 12 gap=206 rms=0.98  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	6.6	298	PgU	6:11:54.50			0.91
			Sg	11:55.64			1.13
SMOL	19.4	16	Pg	6:11:56.05			0.16
			Sg	11:58.43			-0.16
ZST	25.1	228	Pg	6:11:57.93			1.03
			Sg	12:00.35			-0.05
JAVC	61.6	22	Pg	6:12:03.51			0.09
			Sg	12:10.70			-1.30
KRUC	106.5	318	Sg	6:12:23.88			-2.38
RONA	106.8	228	Pg	6:12:11.72			0.23
			Sg	12:24.89			-1.48
CONA	120.5	247	Sg	6:12:28.72			-2.01

1305.

2024-08-27 time: 8:47:42.89 UTC ML= 1.8  
 lat: 48.415N lon: 17.236E h= 0.0 km  
 erh= 2.2km erz= 803km  
 nr= 13 gap= 94 rms=0.68  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	5.5	146	PgU	8:47:44.34			0.46
			Sg	47:44.83			0.18
SMOL	18.0	52	Pg	8:47:45.99			-0.12
			Sg	47:48.78			0.15
ZST	26.2	202	Pg	8:47:47.82			0.24
			Sg	47:49.65			-1.58
JAVC	58.9	33	Pg	8:47:53.22			-0.19
			Sg	47:59.63			-1.99
KRUC	94.9	319	Pg	8:48:00.55			0.72
			Sg	48:10.53			-2.51
RONA	105.9	221	Pg	8:48:02.33			0.52
VRAC	110.0	335	Pg	8:48:02.65			0.12
CONA	115.6	242	Pg	8:48:03.39			-0.15

1306.

2024-08-27 time: 9:30:17.58 UTC ML= 1.2  
 lat: 47.989N lon: 16.088E h= 0.0 km  
 erh= 2.4km erz= 4.3km  
 nr= 9 gap=140 rms=0.54  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	18.2	248	Pg	9:30:21.17			0.34
			Sg	30:23.51			0.15
RONA	35.8	154	Pg	9:30:24.15			0.18
			Sg	30:28.73			-0.22
ARSA	92.4	207	Sg	9:30:46.14			-0.83
KRUC	121.4	11	Pg	9:30:39.64			0.38
			Sg	30:55.02			-1.16
VRAC	151.4	14	Pn	9:30:43.94			0.45
			Sn	31:02.43			-1.26



## Földrengés paraméterek

## Hypocenter Parameters

1307.

2024-08-27 time: 10:08:06.84 UTC ML= 1.5  
 lat: 48.593N lon: 20.787E h= 0.0 km  
 erh= 2.5km erz= 777km  
 nr= 8 gap=139 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.4	241	Pg	10:08:11.35	-0.02
			Sg	08:14.65	-0.25
ABAH	47.0	135	Pg	10:08:15.16	-0.07
			Sg	08:21.52	-0.26
STHS	97.5	20	Sg	10:08:37.81	-0.03
			Pg	10:08:25.69	0.98
PSZ	100.1	221	Sg	08:37.21	-1.44
			Pg	10:08:43.44	-0.16

1308.

2024-08-27 time: 10:20:16.93 UTC ML= 1.6  
 lat: 48.624N lon: 20.748E h= 0.0 km  
 erh= 3.6km erz= 400km  
 nr= 6 gap=264 rms=0.26  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.9	231	Pg	10:20:21.16	-0.23
			Sg	20:25.14	0.28
ABAH	51.5	135	Pg	10:20:26.41	0.28
			Sg	20:33.20	-0.10
PSZ	100.9	219	Pg	10:20:35.02	0.07
			Sg	20:48.48	-0.52

1309.

2024-08-27 time: 10:28:41.28 UTC ML= 2.4  
 lat: 45.999N lon: 22.016E h= 10.0 km  
 erh= 2.8km erz= 2.8km  
 nr= 13 gap=127 rms=0.61  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	28.5	163	PgU	10:28:46.68	0.01
			Sg	28:50.14	-0.74
BZS	52.6	216	PgU	10:28:50.61	-0.23
			Sg	28:57.40	-0.90
DEV	70.0	101	Pg	10:28:54.06	0.15
			Pg	10:28:59.32	0.64
BANR	96.9	225	Sg	29:12.48	0.23
			P*	10:28:59.41	-0.37
DRGR	103.1	31	S*	29:12.04	-2.17
			Sn	10:29:18.26	-0.48
BORR	122.6	352	Sn	10:29:18.26	-0.48
			Pn	10:29:06.39	1.22
CJR	145.4	57	Sn	29:24.14	0.34
			Sn	10:29:26.60	0.24

1310.

2024-08-27 time: 12:31:32.17 UTC ML= 0.9  
 lat: 47.876N lon: 16.061E h= 0.0 km  
 erh= 1.6km erz= 2.9km  
 nr= 9 gap=109 rms=0.64  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.0	291	Pg	12:31:35.27	0.24
			Sg	31:37.94	0.68
RONA	26.3	138	Pg	12:31:37.19	0.31
			Sg	31:40.69	0.15

SOP	43.0	120	Pg	12:31:40.37	0.53
			Sg	31:45.72	-0.11
ARSA	80.4	210	Sg	12:31:56.51	-1.23
			Pn	12:31:55.50	-0.44
KRUC	134.2	11	Sn	32:12.16	-2.32

1311.

2024-08-27 time: 12:43:02.98 UTC ML= 1.2  
 lat: 47.885N lon: 16.060E h= 0.0 km  
 erh= 2.1km erz= 4.0km  
 nr= 9 gap= 83 rms=0.62  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.6	288	Pg	12:43:06.15	0.40
			Sg	43:08.72	0.80
RONA	27.2	139	Pg	12:43:07.89	0.06
			Sg	43:12.01	0.39
SOP	43.6	121	Sg	12:43:17.41	0.58
			Sg	12:43:27.57	-1.24
ARSA	81.3	210	Sg	12:43:27.57	-1.24
			Sg	12:43:36.27	-0.30
MODS	105.7	59	Sg	12:43:36.27	-0.30
			Pn	12:43:26.38	-0.24
KRUC	133.2	11	Pn	12:43:26.38	-0.24
			Sn	43:43.50	-1.56

1312.

2024-08-27 time: 13:16:38.21 UTC ML= 2.1  
 lat: 48.280N lon: 21.286E h= 0.0 km  
 erh= 4.3km erz= 4.7km  
 nr= 14 gap=102 rms=1.07  
 Locality: Sima  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	3.9	298	PgU	13:16:39.45	0.55
			Sg	16:40.16	0.71
KECS	63.5	291	Pg	13:16:50.01	0.47
			Sg	16:57.66	-0.72
UZH	84.1	62	Sg	13:17:02.88	-2.06
			Pg	13:16:54.02	0.49
HOLU	85.8	71	Pg	13:16:54.02	0.49
			Sg	13:17:07.22	-1.06
TRPA	94.6	100	Sg	13:17:07.22	-1.06
			Pg	13:16:57.39	0.82
KOLS	102.9	45	Pg	13:16:57.39	0.82
			Sg	17:09.20	-1.70
MUKU	105.6	79	Pg	13:16:57.45	0.39
			Sg	13:17:10.75	-2.80
PSZ	111.2	249	Sg	13:17:10.75	-2.80
			Sn	13:17:21.65	-1.35
NIE	145.4	331	Sn	13:17:21.65	-1.35
			Sn	13:17:28.42	1.03
LANS	165.2	306	Sn	13:17:28.42	1.03
			Sn	13:17:36.40	1.91
DRGR	197.2	147	Sn	13:17:36.40	1.91

1313.

2024-08-27 time: 15:25:54.27 UTC ML= 2.4  
 lat: 45.985N lon: 22.067E h= 6.8 km  
 erh= 2.2km erz= 2.7km  
 nr= 15 gap= 70 rms=0.72  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	26.1	170	PgU	15:25:59.98	0.90
			Sg	26:03.26	0.43
BZS	53.9	221	Pg	15:26:03.67	-0.30
			Sg	26:10.81	-0.72
DEV	65.8	100	Sg	15:26:13.83	-1.47
			Pg	15:26:07.54	0.48
TIM	71.3	247	Pg	15:26:07.54	0.48
			Sg	15:26:25.26	-0.48
BANR	98.8	227	Sg	15:26:25.26	-0.48
			Pg	15:26:12.67	0.07
DRGR	102.4	29	Pg	15:26:12.67	0.07
			Sg	26:25.09	-1.81
AMBH	111.3	291	Sg	15:26:29.53	-0.17
			Sn	15:26:32.10	-0.11
RIE1	121.6	354	Sn	15:26:32.10	-0.11
			Sn	15:26:33.02	0.11
BORR	124.7	350	Sn	15:26:33.02	0.11
			Pn	15:26:19.39	1.14
CJR	143.0	56	Pn	15:26:19.39	1.14
			Sn	26:36.83	-0.13

## Hypocenter Parameters

LTVH 156.1 355 Sn 15:26:39.41 -0.47  
 VOIR 240.1 105 Sn 15:27:02.11 3.59\*

1314.

2024-08-27 time: 18:13:00.77 UTC ML= 1.2  
 lat: 46.010N lon: 22.009E h= 10.0 km  
 erh= 4.5km erz=17.8km  
 nr= 6 gap=177 rms=0.51  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	29.8	163	PgU	18:13:06.82	0.43
			Sg	13:10.23	-0.54
BZS	53.3	215	Pg	18:13:10.51	0.06
			Sg	13:17.65	-0.36
DRGR	102.3	32	PgU	18:13:19.51	0.39
			Sg	13:32.07	-1.36

1315.

2024-08-28 time: 6:24:30.22 UTC ML= 1.9  
 lat: 48.255N lon: 21.544E h= 0.0 km  
 erh= 6.2km erz= 8.8km  
 nr= 11 gap=168 rms=1.26  
 Locality: Sárzsadány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	23.1	281	Pg	6:24:36.01	1.67
			Sg	24:38.58	1.03
KECS	82.4	288	Sg	6:24:55.03	-1.39
			Pg	6:24:46.16	0.30
MUKU	87.5	75	Pg	6:24:48.04	1.28
			Sg	24:58.49	-1.17
BRIU	109.9	85	Sg	6:25:04.05	-1.11
			Pg	6:24:51.32	0.36
STZU	116.1	43	Sg	25:06.44	-0.69
			Pg	6:25:09.12	-1.94
PSZ	128.5	253	Sg	6:25:09.12	-1.94
STHS	131.0	350	Sn	6:25:09.40	-2.42

1316.

2024-08-28 time: 7:53:00.60 UTC ML= 1.7  
 lat: 46.824N lon: 17.323E h= 0.0 km  
 erh= 5.5km erz=12.9km  
 nr= 12 gap=129 rms=0.98  
 Locality: Lesencefalu  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.8	23	Pg	7:53:07.85	-0.22
			Sg	53:12.80	-1.10
TIH	44.2	79	Sg	7:53:15.80	1.13
			Pg	7:53:14.43	0.88
PKST	72.5	48	Pg	7:53:14.43	0.88
			Sg	53:22.78	-0.87
KOVH	101.2	144	Sg	7:53:32.39	-0.39
			Pg	7:53:19.28	0.34
PKSG	102.7	52	Sg	53:32.10	-1.15
			Sg	7:53:38.98	-0.35
MORH	121.8	124	Sg	7:53:38.61	-0.74
PKSM	121.9	124	Pn	7:53:27.43	1.69
			Sn	53:42.44	-2.91

1317.

2024-08-28 time: 8:02:26.76 UTC ML= 1.0  
 lat: 46.147N lon: 18.329E h= 0.0 km  
 erh= 1.4km erz= 301km  
 nr= 10 gap=183 rms=0.23  
 Locality: Vasas  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KOVH	18.9	250	Pg	8:02:30.09	-0.04
			Sg	02:32.38	-0.37
S9BD	22.3	73	Pg	8:02:30.91	0.16
			Sg	02:33.85	-0.01
PKSM	25.2	73	Pg	8:02:31.47	0.22
			Sg	02:34.16	-0.60
MORH	25.5	73	Pg	8:02:31.32	0.01
			Sg	02:34.57	-0.30
PKSV	29.3	192	Pg	8:02:32.28	0.28
			Sg	02:35.86	-0.22

1318.

2024-08-28 time: 10:12:58.87 UTC ML= 0.7  
 lat: 47.243N lon: 18.265E h= 0.0 km  
 erh= 2.5km erz= 459km  
 nr= 8 gap=136 rms=0.34  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.3	359	Pg	10:13:01.36	0.10
			Sg	13:02.91	-0.21
PKST	17.5	276	Pg	10:13:01.95	-0.05
			Sg	13:04.24	-0.20
PKSG	19.1	30	Pg	10:13:02.18	-0.10
			Sg	13:04.88	-0.06
MPLH	55.5	262	Pg	10:13:09.23	0.44
PKSM	118.2	166	Sg	10:13:33.90	-2.55

1319.

2024-08-28 time: 14:43:37.36 UTC ML= 0.7  
 lat: 47.843N lon: 16.289E h= 10.0 km  
 erh= 2.2km erz= 2.2km  
 nr= 12 gap=108 rms=0.47  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.0	178	PgD	14:43:40.80	0.07
			Sg	43:43.33	-0.03
SOP	26.9	131	Pg	14:43:42.56	0.07
			Sg	43:46.33	-0.17
CONA	33.3	286	Pg	14:43:43.36	-0.21
			Sg	43:48.75	0.33
WINA	33.5	331	Pg	14:43:44.00	0.40
			Sg	43:48.56	0.10
MODS	94.3	51	Sg	14:44:05.74	-1.77
KRUC	135.7	3	Pn	14:44:00.06	0.02
			Sn	44:16.58	-1.15
JAVC	152.5	42	Sn	14:44:22.80	1.35

1320.

2024-08-29 time: 5:57:30.47 UTC ML= 0.4  
 lat: 47.123N lon: 18.067E h= 0.0 km  
 erh= 1.7km erz= 3.6km  
 nr= 8 gap=143 rms=0.53  
 Locality: Vilonya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	15.3	351	Pg	5:57:33.14	-0.07
			Sg	57:34.85	-0.49
TIH	28.1	208	Sg	5:57:39.91	0.50
CSKK	30.4	29	Sg	5:57:40.37	0.22
PKSG	38.6	39	Sg	5:57:43.07	0.32
MORH	110.1	156	Sg	5:58:05.08	-0.39
PKSM	110.4	157	Sg	5:58:06.28	0.71
PKSV	138.0	174	Sn	5:58:11.95	-1.67

## Földrengés paraméterek

## Hypocenter Parameters

1321.

2024-08-29 time: 6:21:10.44 UTC ML= 1.4  
 lat: 47.488N lon: 18.675E h= 0.0 km  
 erh= 1.9km erz= 1.9km  
 nr= 19 gap= 85 rms=1.12  
 Locality: Bicske  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	24.0	244	Sg	6:21:18.26	0.20
PBUD	25.5	96	Sg	6:21:18.88	0.31
BUD	26.3	91	Sg	6:21:19.59	0.79
CSKK	34.2	246	Pg	6:21:18.16	1.61
			Sg	21:21.53	0.21
PKST	54.7	242	Pg	6:21:21.31	1.10
			Sg	21:28.30	0.48
PENC	56.7	54	Sg	6:21:27.97	-0.49
MPLH	92.8	248	Pg	6:21:27.66	0.64
			Sg	21:39.23	-0.72
PSZ	103.3	62	Pg	6:21:29.52	0.63
			Sg	21:42.83	-0.45
MORH	141.4	181	Sn	6:21:52.26	-2.09
ZST	141.6	304	Sn	6:21:53.45	-0.95
PKSM	141.9	181	Sn	6:21:52.15	-2.30
S9BD	142.5	182	Sn	6:21:53.26	-1.32
MODS	143.6	313	Sn	6:21:52.80	-2.03
JAVC	169.8	334	Sn	6:22:01.60	0.95
ZBNS	183.0	359	Sn	6:22:02.14	-1.45

1322.

2024-08-29 time: 6:53:33.49 UTC ML= 1.5  
 lat: 47.866N lon: 19.125E h= 0.0 km  
 erh= 4.3km erz= 907km  
 nr= 7 gap=185 rms=0.60  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.4	125	Pg	6:53:36.10	0.04
			Sg	53:37.84	-0.23
PSZ	57.8	84	Pg	6:53:44.43	0.61
			Sg	53:51.39	-0.49
PKST	106.2	231	Sg	6:54:06.68	-0.58
KECS	122.3	56	Pg	6:53:55.78	0.45
			Sg	54:10.34	-2.03

1323.

2024-08-29 time: 7:50:29.81 UTC ML= 1.6  
 lat: 47.925N lon: 20.111E h= 0.0 km  
 erh= 3.6km erz= 3.1km  
 nr= 11 gap=181 rms=0.61  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	16.2	268	Pg	7:50:33.26	0.56
			Sg	50:34.90	-0.05
PENC	63.8	256	Pg	7:50:41.93	0.72
			Sg	50:48.81	-1.28
KECS	68.1	24	Pg	7:50:42.30	0.33
			Sg	50:51.33	-0.12
ABAH	93.7	64	Pg	7:50:45.98	-0.56
			Sg	50:59.43	-0.16
PKSG	142.1	245	Sn	7:51:11.42	-2.46
NIE	166.8	5	Sn	7:51:19.11	-0.25
PKST	172.8	245	Sn	7:51:20.67	-0.02

1324.

2024-08-29 time: 8:43:31.54 UTC ML= 1.5  
 lat: 46.158N lon: 18.011E h= 0.0 km  
 erh= 2.8km erz= 627km  
 nr= 13 gap=253 rms=0.53  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	10.3	138	PgU	8:43:33.41	0.03
			Sg	43:34.83	0.01
PKSV	35.3	148	Pg	8:43:37.49	-0.34
			Sg	43:41.84	-0.91
S9BD	46.2	83	Sg	8:43:46.55	0.34
PKSM	49.0	83	Pg	8:43:40.65	0.36
			Sg	43:47.15	0.03
MORH	49.3	82	Pg	8:43:40.92	0.58
			Sg	43:46.87	-0.34
PKB4	59.2	50	Pg	8:43:42.94	0.84
			Sg	43:50.44	0.10
PKB1	91.9	41	Pg	8:43:47.33	-0.62
			Sg	43:59.64	-1.11

1325.

2024-08-29 time: 9:23:20.21 UTC ML= 1.3  
 lat: 47.991N lon: 16.066E h= 0.0 km  
 erh= 2.2km erz= 3.9km  
 nr= 10 gap=126 rms=0.56  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.7	246	Pg	9:23:23.19	0.00
			Sg	23:25.12	-0.40
RONA	36.7	152	Pg	9:23:27.09	0.34
			Sg	23:30.97	-0.89
MODS	99.7	65	Pg	9:23:38.57	0.56
			Sg	23:50.89	-1.00
KRUC	121.6	12	Pg	9:23:42.50	0.58
			Sg	23:58.25	-0.60
VRAC	151.6	15	Pn	9:23:46.45	0.31
			Sn	24:05.50	-0.88

1326.

2024-08-29 time: 9:59:57.27 UTC ML= 1.7  
 lat: 48.118N lon: 16.926E h= 0.0 km  
 erh= 2.7km erz= 691km  
 nr= 9 gap=169 rms=0.52  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.8	56	Pg	10:00:00.35	0.26
			Sg	00:02.55	0.27
MODS	38.6	43	Pg	10:00:04.28	0.12
			Sg	00:08.68	-0.86
SMOL	57.7	40	Sg	10:00:15.16	-0.45
RONA	66.2	225	Sg	10:00:18.00	-0.31
CONA	82.1	255	Sg	10:00:23.23	-0.15
KRUC	112.0	340	Pg	10:00:18.09	0.81
			Sg	00:31.92	-0.96

1327.

2024-08-29 time: 12:07:29.59 UTC ML= 1.4  
 lat: 47.856N lon: 19.187E h= 0.0 km  
 erh= 5.1km erz= 858km  
 nr= 6 gap=218 rms=0.51  
 Locality: Ósagárd  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PENC	10.2	136	Pg	12:07:31.62	0.22
			Sg	07:32.90	0.08
BUD	43.2	196	Sg	12:07:42.54	-0.78
PSZ	53.4	83	Pg	12:07:39.67	0.56
			Sg	07:45.40	-1.15
KECS	119.1	54	Pg	12:07:50.84	-0.02

1328.

2024-08-30 time: 3:51:05.28 UTC ML= 1.8  
 lat: 47.334N lon: 16.395E h= 10.0 km  
 erh= 1.9km erz= 1.9km  
 nr= 38 gap= 61 rms=1.15  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	40.7	18	Pg	3:51:12.32	-0.45
			Sg	51:17.03	-1.59
RONA	41.3	350	Pg	3:51:12.72	-0.15
			Sg	51:17.43	-1.36
ARSA	66.6	262	Pg	3:51:16.64	-0.66
			Sg	51:24.09	-2.59
EGYH	71.4	83	Pg	3:51:18.86	0.71
			Sg	51:28.02	-0.17
CONA	77.3	329	Pg	3:51:19.78	0.59
			Sg	51:28.48	-1.57
MPLH	88.6	102	Pg	3:51:21.74	0.55
			Sg	51:32.79	-0.82
WINA	89.3	344	Pg	3:51:20.64	-0.69
			Sg	51:32.67	-1.17
KOGS	99.1	186	Pg	3:51:22.72	-0.35
			Sg	51:34.69	-2.25
BEHE	100.3	163	Pg	3:51:23.70	0.42
ZST	109.6	29	Pn	3:51:24.49	-0.21
			Sn	51:38.09	-1.75
GROS	118.5	215	Pn	3:51:25.01	-0.80
			Sn	51:39.33	-2.50
PKST	124.3	94	Pn	3:51:26.97	0.44
PERS	124.4	231	Pn	3:51:27.04	0.49
SOKA	126.7	235	Pn	3:51:27.36	0.53
			Sn	51:42.27	-1.37
MODS	133.1	30	Pn	3:51:28.54	0.90
			Sn	51:44.23	-0.85
PKSG	150.9	88	Sn	3:51:48.94	-0.08
ABNA	165.0	334	Pn	3:51:33.44	1.83
			Sn	51:54.49	2.34
OBKA	167.9	237	Pn	3:51:33.28	1.31
			Sn	51:54.10	1.32
MOA	170.1	290	Pn	3:51:34.49	2.25
			Sn	51:55.92	2.65
CRES	182.4	203	Pn	3:51:36.78	3.00
			Sn	51:56.79	0.78
KRUC	192.1	0	Pn	3:51:36.58	1.59
			Sn	51:59.54	1.37

1329.

2024-08-30 time: 7:52:00.28 UTC ML= 1.4  
 lat: 46.008N lon: 22.268E h= 7.4 km  
 erh= 0.5km erz= 0.6km  
 nr= 6 gap=152 rms=0.04  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	30.3	202	Pg	7:52:05.82	-0.03
			Sg	52:10.23	0.03
BZS	66.7	229	Sg	7:52:21.62	0.00
DRGR	93.6	21	Pg	7:52:17.09	0.05
			Sg	52:30.06	-0.06
VOIR	225.6	106	Sn	7:53:01.19	0.00

1330.

2024-08-30 time: 13:47:33.35 UTC ML= 1.8  
 lat: 47.551N lon: 16.352E h= 6.4 km  
 erh= 1.8km erz= 1.7km  
 nr= 33 gap= 77 rms=0.87  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.0	346	Pg	13:47:36.75	0.16
			Sg	47:38.97	-0.14
SOP	21.4	47	Pg	13:47:37.51	0.18
			Sg	47:39.64	-0.79
CONA	55.7	319	Pg	13:47:43.55	0.19
			Sg	47:50.49	-0.69
WINA	65.2	341	Pg	13:47:45.26	0.21
			Sg	47:53.22	-0.96
ARSA	70.9	242	Pg	13:47:46.68	0.62
			Sg	47:53.01	-2.97
ZST	91.1	38	Sg	13:48:01.32	-1.04
MPLH	99.3	115	Sg	13:48:03.94	-1.02
MODS	114.6	37	Pg	13:47:54.27	0.42
			Sg	48:08.39	-1.44
PKST	131.1	104	Pn	13:47:56.55	0.64
			Sn	48:12.96	-0.56
SMOL	133.8	37	Pn	13:47:57.32	1.07
			Sn	48:13.47	-0.64
GROS	137.4	208	Pn	13:47:57.19	0.50
			Sn	48:13.60	-1.31
PERS	138.4	223	Sn	13:48:13.15	-1.98
RCF6	138.7	192	Sn	13:48:14.78	-0.41
SOKA	139.5	226	Pn	13:47:57.52	0.57
			Sn	48:14.19	-1.18
ABNA	142.0	331	Pn	13:47:57.26	-0.01
			Sn	48:15.52	-0.41
CSKK	145.5	98	Sn	13:48:16.95	0.25
PKSG	154.7	97	Sn	13:48:18.71	-0.05
MOA	160.0	282	Pn	13:48:02.06	2.54
			Sn	48:21.79	1.86
KRUC	168.0	1	Pn	13:48:01.19	0.68
			Sn	48:21.00	-0.70
JAVC	175.4	34	Sn	13:48:26.43	3.09

1331.

2024-08-30 time: 19:53:37.13 UTC ML= 1.5  
 lat: 47.676N lon: 16.002E h= 10.0 km  
 erh= 1.8km erz= 1.5km  
 nr= 29 gap= 90 rms=0.86  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	22.3	83	PgU	19:53:41.99	0.50
			Sg	53:44.84	-0.05
CONA	29.9	339	Pg	19:53:43.01	0.24
			Sg	53:46.12	-1.04
SOP	41.8	89	Pg	19:53:45.12	0.32
			Sg	53:50.18	-0.61
WINA	48.2	6	Pg	19:53:46.42	0.49
			Sg	53:52.18	-0.61
ARSA	59.5	217	PgD	19:53:47.82	-0.09
			Sg	53:54.88	-1.43
ZST	100.5	55	Sg	19:54:07.16	-2.08
EGYH	104.2	106	S*	19:54:08.90	-1.44
ABNA	118.4	339	Pn	19:53:57.18	-0.47
			Sn	54:10.92	-2.73
MODS	122.8	51	Pn	19:53:58.90	0.71
			Sn	54:14.10	-0.52
MOA	131.6	278	Pn	19:54:00.08	0.79
			Sn	54:16.25	-0.32
SOKA	133.1	214	Sn	19:54:15.56	-1.35
PERS	133.7	210	Pn	19:54:00.87	1.31
			Sn	54:15.84	-1.21

## Földrengés paraméterek

GROS 140.3 196 Pn 19:54:01.50 1.12  
 Sn 54:18.03 -0.49  
 KRUC 156.8 11 Pn 19:54:03.05 0.61  
 Sn 54:21.80 -0.38  
 TREC 184.0 348 ePn 19:54:07.40 1.57  
 eSn 54:28.50 0.29  
 VRAC 186.7 14 Pn 19:54:06.50 0.34  
 Sn 54:28.88 0.07

1332.

2024-08-31 time: 1:06:56.45 UTC ML= 1.7  
 lat: 45.560N lon: 21.886E h= 15.2 km  
 erh= 5.1km erz= 3.7km  
 nr= 9 gap=133 rms=0.82  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	22.0	287	Pg	1:07:02.02			0.79
			Sg		07:04.83		-0.12
SURR	28.5	41	Pg	1:07:02.78			0.56
			Sg		07:05.49		-1.22
TIM	55.5	291	Pg	1:07:05.67			-1.06
DJES	114.6	154	Pn	1:07:15.99			0.16
			Sn		07:30.18		-0.76
DRGR	151.0	25	Pn	1:07:21.56			1.20
			Sn		07:38.09		-0.93

1333.

2024-08-31 time: 19:18:01.53 UTC ML= 3.1  
 lat: 45.830N lon: 20.751E h= 10.0 km  
 erh= 2.5km erz= 2.6km  
 nr= 62 gap= 98 rms=1.11  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	38.0	106	Pg	19:18:09.24			0.69
			Sg		18:15.20		1.18
AMBH	57.9	358	PgU	19:18:12.48			0.46
			Sg		18:20.69		0.49
BANR	58.1	149	Pg	19:18:12.67			0.61
			Sg		18:20.78		0.52
BZS	71.4	109	Pg	19:18:14.39			-0.02
			Sg		18:23.97		-0.49
SURR	107.1	95	P*	19:18:19.60			-1.04
			S*		18:33.04		-2.51
PKS6	125.3	313	PnU	19:18:22.64			-0.28
			Sn		18:38.07		-1.52
PKSN	136.7	330	Pn	19:18:25.19			0.85
			Sn		18:42.52		0.39
PKB3	137.2	299	PnU	19:18:23.84			-0.56
			Sn		18:39.86		-2.37
PKS2	139.7	302	Sn	19:18:43.41			0.62
PKB2	149.5	309	Pn	19:18:27.40			1.47
			Sn		18:46.36		1.40
BORR	161.1	30	Pn	19:18:27.29			-0.08
			Sn		18:46.16		-1.36
BSZH	167.5	347	Sn	19:18:52.44			3.48
MORH	168.7	285	PnU	19:18:27.37			-0.95
			Sn		18:50.88		1.66
PKSM	168.8	285	PnU	19:18:27.50			-0.84
			Sn		18:51.07		1.83
S9BD	171.4	284	Pn	19:18:27.84			-0.82
			Sn		18:51.32		1.50
PKB5	177.3	299	Pn	19:18:28.81			-0.58
			Sn		18:54.26		3.14
PKB4	181.6	294	Pn	19:18:29.21			-0.73
			Sn		18:54.82		2.73
PKS7	182.3	318	Pn	19:18:32.96			2.94
PKB1	184.5	305	Pn	19:18:33.40			3.11
DRGR	185.0	55	Pn	19:18:33.09			2.73
			Sn		18:51.69		-1.15

268

## Hypocenter Parameters

DJES 192.6 134 Sn 19:18:57.13 2.60  
 LTVH 194.0 27 Sn 19:18:53.94 -0.89  
 PKSV 194.2 272 Pn 19:18:30.82 -0.68  
 Sn 18:58.88 4.00  
 KOVH 207.5 278 Pn 19:18:32.15 -1.02  
 PKS9 208.5 294 Pn 19:18:32.35 -0.94  
 SF5A 215.9 331 Pn 19:18:34.15 -0.06  
 BUD 226.4 324 Pn 19:18:34.83 -0.69  
 PSZ 241.2 344 Pn 19:18:36.36 -1.00  
 PENC 245.1 333 Pn 19:18:37.30 -0.55  
 TIH 250.0 298 Pn 19:18:38.08 -0.39  
 CSKK 255.9 312 Pn 19:18:38.79 -0.40  
 Sn 19:08.06 -0.51  
 PKST 262.0 307 Pn 19:18:39.68 -0.28  
 MPLH 288.1 301 Pn 19:18:43.07 -0.14  
 TRPA 289.7 28 Pn 19:18:42.27 -1.14  
 KECS 295.7 356 Pn 19:18:44.27 0.12  
 BLY 304.6 247 Pn 19:18:45.70 0.44  
 EGYH 315.8 304 Pn 19:18:46.39 -0.27  
 KOLS 363.7 18 Pn 19:18:52.51 -0.12  
 PTJ 372.3 271 Pn 19:18:53.13 -0.58  
 SOP 380.9 303 Pn 19:18:54.75 -0.03  
 MODS 386.7 317 Pn 19:18:55.25 -0.25  
 ZBNS 400.2 337 Pn 19:18:57.88 0.69  
 ARSA 431.0 291 Pn 19:19:00.50 -0.53  
 MORC 500.4 331 Pn 19:19:09.24 -0.44

1334.

2024-08-31 time: 19:39:38.71 UTC ML= 2.2  
 lat: 45.827N lon: 20.770E h= 6.6 km  
 erh= 2.1km erz= 2.1km  
 nr= 30 gap=122 rms=0.72  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	36.5	106	Pg	19:39:45.69			0.37
			Sg		39:51.37		0.89
BANR	57.0	150	Pg	19:39:49.38			0.42
			Sg		39:57.33		0.37
AMBH	58.3	357	Pg	19:39:49.10			-0.08
			Sg		39:57.60		0.25
BZS	69.9	110	Pg	19:39:50.87			-0.38
			Sg		40:00.61		-0.42
SURR	105.6	94	Pg	19:39:57.10			-0.51
			Sg		40:10.04		-2.31
PKS6	126.6	313	Pn	19:40:00.55			-0.13
			Sn		40:17.08		-0.75
PKSN	137.8	330	Pn	19:40:02.32			0.25
			Sn		40:19.68		-0.62
PKB3	138.7	299	Sn	19:40:19.57			-0.93
PKS2	141.2	302	Pn	19:40:03.09			0.59
			Sn		40:20.74		-0.31
PKB2	150.9	309	Sn	19:40:22.97			-0.24
BORR	160.6	29	Sn	19:40:25.48			0.11
BSZH	168.2	347	Sn	19:40:29.51			2.46
MORH	170.2	285	Pn	19:40:05.39			-0.73
			Sn		40:26.75		-0.75
PKSM	170.3	285	Pn	19:40:05.71			-0.42
			Sn		40:27.28		-0.24
PKB5	178.7	299	Sn	19:40:30.55			1.16
PKB4	183.1	294	Sn	19:40:33.85			3.49*
DRGR	184.0	54	Pn	19:40:10.85			3.01
			Sn		40:31.34		0.78
PKB1	185.9	305	Sn	19:40:31.28			0.31
PKSV	195.7	272	Sn	19:40:33.85			0.70

1335.

2024-08-31 time: 19:40:05.00 UTC ML= 1.6  
 lat: 45.803N lon: 20.700E h= 10.0 km  
 erh= 9.5km erz=29.4km  
 nr= 5 gap=256 rms=0.32  
 Locality: Romania

## Hypocenter Parameters

## Földrengés paraméterek

Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	41.2	100	Pg	19:40:12.55			-0.02
			Sg	40:18.92			0.45
AMBH	60.8	2	Pg	19:40:16.24			0.23
			Sg	40:24.09			-0.51
BZS	74.3	106	Sg	19:40:28.44			-0.40

1336.

2024-09-02 time: 1:38:16.71 UTC ML= 1.7  
 lat: 46.240N lon: 19.124E h= 7.5 km  
 erh= 1.5km erz= 1.4km  
 nr= 34 gap=156 rms=0.55  
 Locality: Rém  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKB3	21.1	15	PgD	1:38:21.00			0.28
			Sg	38:24.17			0.33
PKS2	28.8	14	PgD	1:38:22.45			0.42
			Sg	38:26.69			0.51
MORH	37.1	266	Pg	1:38:23.82			0.35
			Sg	38:28.86			0.12
PKSM	37.3	265	Pg	1:38:23.86			0.35
			Sg	38:28.82			0.00
S9BD	40.2	265	Sg	1:38:29.14			-0.57
PKB4	49.1	305	PgU	1:38:26.00			0.42
			Sg	38:32.48			-0.02
PKB2	49.1	11	Sg	1:38:32.20			-0.30
PKB5	49.4	323	PgU	1:38:25.97			0.33
			Sg	38:32.55			-0.06
PKS6	52.4	40	Pg	1:38:26.21			0.04
			Sg	38:33.53			-0.01
PKB1	65.6	337	PgU	1:38:28.51			0.01
			Sg	38:36.69			-1.01
PKS9	75.5	301	Pg	1:38:30.52			0.25
PKSV	77.9	240	Pg	1:38:30.90			0.20
			Sg	38:40.71			-0.89
KOVH	80.9	258	Pg	1:38:31.15			-0.06
PKS7	89.8	2	Sg	38:40.94			-1.58
			Pg	1:38:32.13			-0.67
PKSN	92.6	38	Sg	38:44.52			-0.82
			Pg	1:38:33.14			-0.17
TIH	119.5	308	Sg	38:44.64			-1.62
			Pn	1:38:38.22			0.54
AMBH	124.1	84	Sn	1:38:54.30			-0.75
BUD	138.4	357	Pn	1:38:39.90			-0.14
PKSG	139.7	336	Pn	1:38:40.70			0.50
			Sn	38:57.22			-1.30
PKST	140.5	324	Pn	1:38:41.59			1.28
CSKK	141.1	332	Pn	1:38:40.19			-0.19
PSZ	195.5	17	Sn	1:39:14.34			3.43*
BZS	205.4	110	Sn	1:39:18.12			5.01*

1337.

2024-09-02 time: 6:56:08.69 UTC ML= 1.4  
 lat: 48.122N lon: 21.357E h= 0.0 km  
 erh= 4.9km erz= 7.3km  
 nr= 9 gap=169 rms=1.34  
 Locality: Tarcál  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	21.2	336	Pg	6:56:14.31			1.83
			Sg	56:16.28			0.85
KECS	76.1	302	Pg	6:56:23.02			0.74
			Sg	56:31.82			-1.06
TRPA	88.0	89	Sg	6:56:36.46			-0.21
PSZ	111.4	258	Pg	6:56:29.12			0.53
			Sg	56:42.04			-2.07
STZU	136.4	43	Pn	6:56:31.95			-0.78
			Sn	56:48.10			-3.39

1338.

2024-09-02 time: 7:06:28.88 UTC ML= 1.5  
 lat: 45.684N lon: 22.881E h= 10.0 km  
 erh= 3.4km erz= 1.5km  
 nr= 8 gap=261 rms=0.30  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DEV	22.3	4	Pg	7:06:33.39			0.15
			Sg	06:36.15			-0.49
SURR	59.4	278	Pg	7:06:39.96			0.32
			Sg	06:48.16			0.13
BZS	98.8	266	Pg	7:06:46.64			0.02
			Sg	06:59.49			-0.97
DRGR	123.9	354	Pn	7:06:49.92			-0.16
			Sn	07:06.73			0.11

1339.

2024-09-02 time: 7:31:20.79 UTC ML= 1.1  
 lat: 48.572N lon: 20.783E h= 0.0 km  
 erh= 7.1km erz= \*\*\*km  
 nr= 7 gap=184 rms=0.92  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.1	246	Pg	7:31:25.49			0.40
			Sg	31:27.67			-0.77
ABAH	45.6	132	Pg	7:31:29.32			0.39
			Sg	31:35.32			0.04
PSZ	98.2	222	Pg	7:31:39.31			0.99
			Sg	31:49.99			-2.00
KOLS	116.7	70	Sg	7:31:56.41			-1.48

1340.

2024-09-02 time: 9:26:35.31 UTC ML= 1.8  
 lat: 48.981N lon: 21.346E h= 0.0 km  
 erh= 5.5km erz= 3.9km  
 nr= 11 gap=231 rms=0.89  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	49.0	351	Pg	9:26:43.61			-0.45
			Sg	26:50.13			-0.75
KECS	84.1	229	Pg	9:26:50.13			-0.20
			Sg	27:01.32			-0.72
NIE	89.6	303	Pg	9:26:52.86			1.55
			Sg	27:04.75			0.96
LANS	138.5	278	Pn	9:26:59.12			-0.50
			Sn	27:16.86			-1.71
PSZ	159.7	222	Pn	9:27:03.30			1.04
			Sn	27:23.39			0.12
OJC	177.4	321	Sn	9:27:26.43			-0.78

1341.

2024-09-02 time: 11:29:45.84 UTC ML= 1.4  
 lat: 47.883N lon: 20.175E h= 0.0 km  
 erh= 2.6km erz= 729km  
 nr= 6 gap=139 rms=0.42  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	21.3	281	Pg	11:29:49.78			0.14
			Sg	29:52.76			0.15
BSZH	65.2	174	Sg	11:30:06.57			0.01
PENC	67.6	261	Sg	11:30:06.73			-0.60

## Földrengés paraméterek

## Hypocenter Parameters

ABAH 91.7 60 Pg 11:30:02.64 0.43  
Sg 30:14.12 -0.86

1342.

2024-09-02 time: 18:16:50.75 UTC ML= 1.1  
lat: 45.937N lon: 16.021E h= 10.0 km  
erh= 2.7km erz= 2.2km  
nr= 9 gap=228 rms=0.26  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.4	230	Pg	18:16:52.98	0.11
			Sg	16:53.77	-0.75
R971	11.0	184	Pg	18:16:53.56	0.15
			Sg	16:55.31	-0.17
ZAG	12.1	190	Pg	18:16:53.88	0.32
			Sg	16:55.69	-0.06
CRES	45.5	254	Pg	18:16:59.09	0.02
			Sg	17:05.41	-0.15
MOSL	67.4	122	Sg	18:17:11.93	-0.47

1343.

2024-09-02 time: 22:14:58.11 UTC ML= 0.3  
lat: 45.642N lon: 21.517E h= 13.6 km  
erh= 8.0km erz= 5.5km  
nr= 5 gap=184 rms=0.21  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	8.3	110	Pg	22:15:00.78	-0.18
			Sg	15:03.47	0.29
TIM	25.4	294	Pg	22:15:03.31	0.06
SURR	48.9	75	Pg	22:15:07.34	0.16
			Sg	15:13.85	-0.41

1344.

2024-09-03 time: 6:29:43.03 UTC ML= 0.9  
lat: 47.970N lon: 16.096E h= 0.0 km  
erh= 2.2km erz= 4.3km  
nr= 7 gap=140 rms=0.46  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.1	255	Pg	6:29:46.34	0.07
			Sg	29:48.58	-0.21
RONA	33.6	154	Pg	6:29:48.95	-0.09
			Sg	29:53.73	0.01
KRUC	123.4	10	Pg	6:30:05.92	0.86
			Sg	30:21.48	-0.77
VRAC	153.2	14	Sn	6:30:28.95	-0.61

1345.

2024-09-03 time: 8:00:58.43 UTC ML= 1.9  
lat: 48.407N lon: 17.232E h= 0.0 km  
erh= 2.3km erz= 2.6km  
nr= 29 gap= 77 rms=1.12  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.0	137	PgU	8:01:00.16	0.84
			Sg	01:01.86	1.85
ZST	25.3	202	Pg	8:01:03.67	0.73
			Sg	01:06.65	0.18
JAVC	59.8	33	Pg	8:01:10.06	0.95
			Sg	01:16.87	-0.57
SOP	94.8	212	Pg	8:01:16.55	1.19

KRUC	95.4	320	Sg	01:27.30	-1.27
			Pg	8:01:16.12	0.66
RONA	105.1	222	Sg	01:27.51	-1.23
			Pg	8:01:17.21	0.02
VRAC	110.7	335	Sg	01:30.86	-0.97
			Pg	8:01:18.37	0.18
CONA	115.0	242	Sg	01:32.52	-1.09
			Pg	8:01:18.84	-0.12
ZBNS	131.5	52	Sg	01:33.44	-1.53
			Sn	8:01:38.23	-1.90
CSKK	139.2	146	Sn	8:01:39.09	-2.76
			Sn	8:01:39.34	-2.55
MPLH	139.4	170	Sn	8:01:39.34	-2.55
			Pn	8:01:22.74	-0.31
PKST	141.0	155	Pn	8:01:22.74	-0.31
			Sn	01:40.20	-2.05
PKSG	142.3	142	Pn	8:01:23.60	0.40
			Sn	01:40.57	-1.95
MORC	154.1	8	Pn	8:01:24.86	0.19
PENC	167.4	114	Sn	01:44.01	-1.13
			Sn	8:01:48.42	0.33
ARSA	181.4	225	Pn	8:01:28.77	0.70
			Sn	01:53.11	1.91
KRLC	188.5	350	Sn	8:01:55.11	2.34

1346.

2024-09-03 time: 8:28:39.17 UTC ML= 1.6  
lat: 48.573N lon: 17.521E h= 0.0 km  
erh= 2.4km erz= 2.2km  
nr= 15 gap=198 rms=0.76  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	28.6	219	Pg	8:28:44.75	0.49
			Sg	28:49.36	1.12
JAVC	33.7	19	PgU	8:28:45.36	0.18
			Sg	28:49.72	-0.16
ZST	52.1	217	Sg	8:28:55.58	-0.15
KRUC	99.0	303	Pg	8:28:56.94	0.10
			Sg	29:10.56	-0.07
VRAC	106.4	320	Pg	8:28:58.86	0.70
			Sg	29:10.76	-2.22
RONA	133.2	223	Pn	8:29:03.41	0.60
			Sn	29:19.98	-1.26
MORC	133.9	1	Pn	8:29:02.91	0.01
			Sn	29:19.38	-2.03
CONA	142.6	240	Pn	8:29:03.84	-0.14
			Sn	29:21.58	-1.75

1347.

2024-09-03 time: 8:36:18.89 UTC ML= 1.3  
lat: 48.564N lon: 20.796E h= 0.0 km  
erh= 2.7km erz= 8.8km  
nr= 9 gap=126 rms=0.64  
Locality: Tornanádaska  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	249	Pg	8:36:23.36	0.07
			Sg	36:26.81	0.09
ABAH	44.3	132	Pg	8:36:27.28	0.47
			Sg	36:32.21	-0.77
PSZ	98.2	223	Pg	8:36:36.93	0.51
			Sg	36:49.23	-0.87
KOLS	116.1	69	Pg	8:36:40.32	0.69
LANS	117.3	304	Pg	8:36:39.11	-0.72
MUKU	140.3	95	Sn	8:37:00.07	-2.47





## Földrengés paraméterek

AMBH 120.2 297 Sg 8:16:38.39 -0.57  
 CJR 149.2 50 Pn 8:16:26.89 0.62

1354.

2024-09-04 time: 8:31:38.39 UTC ML= 1.3  
 lat: 47.087N lon: 18.055E h= 0.0 km  
 erh= 2.1km erz= 3.6km  
 nr= 19 gap=105 rms=0.94  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.2	355	Pg	8:31:41.16	-0.65
			Sg	31:44.56	0.07
CSKK	34.4	27	Sg	8:31:49.42	0.08
MPLH	40.2	283	Pg	8:31:46.18	0.62
			Sg	31:50.56	-0.59
PKSG	42.4	37	Pg	8:31:46.99	1.03
			Sg	31:51.37	-0.49
PKS9	58.2	163	Pg	8:31:50.94	2.17
PKB4	77.9	147	Sg	8:32:02.88	-0.28
PKB2	101.5	117	Sg	8:32:10.23	-0.41
S9BD	106.5	157	Pg	8:31:57.78	0.37
			Sg	32:11.67	-0.57
PKSM	107.2	155	Pg	8:31:57.58	0.06
			Sg	32:11.09	-1.36
KOVH	111.1	178	Pg	8:31:58.83	0.61
			Sg	32:12.34	-1.35
PKSV	134.1	173	Sn	8:32:18.82	-1.85
MODS	154.5	338	Sn	8:32:22.86	-2.33
PSZ	166.6	56	Sn	8:32:27.74	-0.15

1355.

2024-09-04 time: 8:54:03.70 UTC ML= 1.7  
 lat: 48.549N lon: 17.546E h= 0.0 km  
 erh= 2.8km erz= 2.5km  
 nr= 12 gap=205 rms=0.49  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	27.8	226	Pg	8:54:09.12	0.45
			Sg	54:13.42	0.87
JAVC	35.7	15	Pg	8:54:09.88	-0.19
			Sg	54:15.48	0.44
ZST	51.2	220	Pg	8:54:12.42	-0.42
			Sg	54:19.28	-0.69
VRAC	109.5	320	Pg	8:54:23.82	0.56
			Sg	54:37.74	-0.78
RONA	132.6	225	Pn	8:54:27.37	0.11
MORC	136.5	360	Pn	8:54:27.58	-0.18
			Sn	54:43.49	-3.03*
CONA	142.9	241	Sn	8:54:47.50	-0.44

1356.

2024-09-04 time: 9:05:46.80 UTC ML= 0.9  
 lat: 47.229N lon: 18.259E h= 0.0 km  
 erh= 4.0km erz= 422km  
 nr= 5 gap=253 rms=0.21  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.0	0	Pg	9:05:49.21	-0.27
			Sg	05:51.40	-0.16
PKST	17.3	281	Pg	9:05:50.07	0.17
			Sg	05:52.40	0.09
PKSG	20.7	29	Sg	9:05:53.64	0.25

## Hypocenter Parameters

1357.

2024-09-04 time: 9:35:41.27 UTC ML= 1.3  
 lat: 47.626N lon: 18.368E h= 0.0 km  
 erh= 5.9km erz= 582km  
 nr= 6 gap=240 rms=0.36  
 Locality: Baj  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	26.1	176	Pg	9:35:45.99	0.06
			Sg	35:48.90	-0.67
CSKK	30.4	195	Pg	9:35:47.11	0.42
			Sg	35:50.67	-0.25
BUD	51.9	108	Pg	9:35:50.85	0.32
PENC	71.0	75	Pg	9:35:53.56	-0.38

1358.

2024-09-04 time: 9:50:04.51 UTC ML= 0.7  
 lat: 47.863N lon: 16.047E h= 0.0 km  
 erh= 1.3km erz= 2.0km  
 nr= 6 gap=120 rms=0.95  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.6	298	Pg	9:50:07.84	0.54
			Sg	50:10.21	0.74
RONA	26.1	134	Pg	9:50:09.52	0.35
			Sg	50:13.34	0.53
ARSA	78.7	210	Sg	9:50:27.72	-1.82
VRAC	165.7	14	Sn	9:50:52.10	-1.70

1359.

2024-09-04 time: 14:03:01.95 UTC ML= 1.3  
 lat: 45.678N lon: 21.449E h= 12.1 km  
 erh= 1.0km erz= 0.9km  
 nr= 9 gap=108 rms=0.18  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	14.7	118	Pg	14:03:05.21	-0.15
			Sg	03:08.24	0.23
TIM	18.9	290	Sg	14:03:09.17	0.07
BANR	41.0	217	Pg	14:03:09.52	-0.07
			Sg	03:15.65	0.11
SURR	53.3	81	Pg	14:03:11.80	0.10
			Sg	03:18.95	-0.36
DRGR	157.4	38	Pn	14:03:27.26	0.19
			Sn	03:45.85	-0.81

1360.

2024-09-04 time: 16:33:24.59 UTC ML= 3.1  
 lat: 45.988N lon: 22.085E h= 5.7 km  
 erh= 1.9km erz= 2.2km  
 nr= 31 gap= 62 rms=0.90  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	26.2	173	PgU	16:33:29.90	0.52
			Sg	33:33.51	0.39
BZS	55.1	221	PgU	16:33:33.93	-0.54
			Sg	33:41.42	-0.77
DEV	64.5	100	Pg	16:33:36.26	0.11
			Sg	33:44.58	-0.59
TIM	72.7	247	Pg	16:33:38.33	0.72
			Sg	33:48.00	0.23
BANR	100.0	228	Pg	16:33:41.95	-0.53
			Sg	33:56.51	0.07

## Hypocenter Parameters

## Földrengés paraméterek

DRGR	101.4	28	Pg	16:33:42.52	-0.21
			Sg	33:54.82	-2.06
AMBH	112.4	291	Pg	16:33:44.25	-0.44
			Sg	33:58.17	-2.20
BORR	124.6	349	Pn	16:33:46.95	0.52
			Sn	34:01.96	-1.51
CJR	141.6	55	Pn	16:33:49.22	0.67
			Sn	34:05.85	-1.39
DJES	154.5	167	Sn	16:34:09.07	-1.04
LTVH	155.9	355	Pn	16:33:52.21	1.88
			Sn	34:10.02	-0.39
CEIR	191.4	9	Pn	16:33:57.63	2.88
			Sn	34:18.60	0.31
PKSN	198.1	301	Pn	16:33:55.81	0.21
			Sn	34:20.40	0.61
PKS6	205.8	289	Pn	16:33:57.15	0.60
			Sn	34:26.20	4.71*
VOIR	238.8	105	Pn	16:34:01.88	1.21
TRPA	240.6	8	Pn	16:34:01.02	0.12
S9BD	270.2	275	Pn	16:34:04.51	-0.08
PSZ	271.8	322	Pn	16:34:04.40	-0.38
PENC	292.9	313	Pn	16:34:07.62	0.20
KECS	302.7	336	Pn	16:34:09.66	1.03*
PKSG	322.8	299	Pn	16:34:11.27	0.12*
PKST	340.9	294	Pn	16:34:13.53	0.13*
VRI	360.4	92	Pn	16:34:16.75	0.93*
MPLH	372.4	291	Pn	16:34:18.68	1.35*
LANS	403.0	331	ePn	16:34:22.70	1.56*
NIE	403.9	341	Sn	16:35:06.35	0.88*
ZBNS	435.2	323	Pn	16:34:25.98	0.82*
MODS	450.7	306	Pn	16:34:27.27	0.18*
ZST	451.0	303	eSn	16:35:12.60	-3.31*
MORC	541.2	321	Pn	16:34:38.97	0.59*
			Sn	35:36.09	0.16*

1361.

2024-09-04 time: 16:36:19.44 UTC ML= 1.4  
 lat: 45.916N lon: 22.075E h= 18.1 km  
 erh= 6.2km erz= 4.1km  
 nr= 7 gap=141 rms=0.34  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	18.5	168	PgU	16:36:24.05	-0.01
			Sg	36:27.98	0.32
BZS	48.8	227	Pg	16:36:28.51	-0.23
			Sg	36:35.80	-0.19
TIM	69.3	253	P*	16:36:32.37	0.33
			S*	36:41.99	0.13
DRGR	108.9	27	Sn	16:36:50.69	-1.32

1362.

2024-09-04 time: 16:45:43.87 UTC ML= 0.8  
 lat: 46.019N lon: 22.109E h= 10.0 km  
 erh= 0.3km erz= 1.1km  
 nr= 5 gap=168 rms=0.45  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	29.4	178	PgU	16:45:49.94	0.52
			Sg	45:53.61	-0.14
BZS	58.8	221	Pg	16:45:54.61	0.09
			Sg	46:01.85	-0.98
DRGR	97.6	28	Sg	16:46:14.80	-0.27

1363.

2024-09-04 time: 19:55:54.75 UTC ML= 0.4  
 lat: 46.287N lon: 18.361E h= 10.0 km  
 erh= 1.6km erz= 4.4km  
 nr= 8 gap=200 rms=0.22  
 Locality: Vékény  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	23.2	111	Pg	19:55:59.45	0.18
			Sg	56:02.45	-0.34
MORH	23.3	110	Pg	19:55:59.63	0.36
			Sg	56:02.71	-0.09
PKB4	29.8	39	Sg	19:56:04.64	-0.11
PKSV	45.1	191	Sg	19:56:09.37	-0.07
PKB1	64.4	31	Pg	19:56:06.19	-0.20
PKB3	66.0	77	Sg	19:56:15.93	-0.03

1364.

2024-09-04 time: 19:57:12.16 UTC ML=-0.1  
 lat: 46.293N lon: 18.408E h= 0.3 km  
 erh= 0.3km erz=30.4km  
 nr= 7 gap=168 rms=0.05  
 Locality: Györe  
 Comments:

sta	dist	azm	phase	hr mn sec	res
S9BD	18.0	122	Sg	19:57:17.89	0.02
PKSM	20.2	117	Pg	19:57:15.75	-0.01
			Sg	57:18.62	0.05
MORH	20.2	115	Pg	19:57:15.80	0.04
			Sg	57:18.46	-0.11
PKB4	27.2	34	Sg	19:57:20.80	0.01
KOVH	32.9	226	Sg	19:57:22.59	-0.03

1365.

2024-09-04 time: 19:59:35.15 UTC ML= 0.4  
 lat: 46.293N lon: 18.419E h= 10.0 km  
 erh= 0.6km erz= 2.1km  
 nr= 11 gap=165 rms=0.12  
 Locality: Györe  
 Comments:

sta	dist	azm	phase	hr mn sec	res
S9BD	17.2	123	Sg	19:59:41.28	-0.20
MORH	19.4	116	Pg	19:59:39.20	0.16
			Sg	59:42.10	0.02
PKSM	19.4	118	Pg	19:59:39.04	0.00
			Sg	59:42.18	0.10
PKB4	26.7	32	Pg	19:59:40.14	-0.11
			Sg	59:44.40	0.18
KOVH	33.5	227	Pg	19:59:41.41	0.02
			Sg	59:46.20	-0.06
PKB5	41.5	36	Sg	19:59:48.62	-0.10
PKB3	61.5	76	Sg	19:59:54.16	-0.79

1366.

2024-09-04 time: 20:02:20.21 UTC ML= 0.6  
 lat: 46.292N lon: 18.403E h= 5.3 km  
 erh= 0.3km erz= 1.7km  
 nr= 13 gap=118 rms=0.09  
 Locality: Györe  
 Comments:

sta	dist	azm	phase	hr mn sec	res
S9BD	18.2	121	Sg	20:02:26.09	-0.13
PKSM	20.4	116	Pg	20:02:23.96	-0.01
			Sg	02:27.01	0.11
MORH	20.4	114	Pg	20:02:24.02	0.05
			Sg	02:26.84	-0.07

## Földrengés paraméterek

## Hypocenter Parameters

PKB4	27.5	34	Pg	20:02:25.24	0.03
			Sg	02:29.31	0.20
KOVH	32.6	226	Pg	20:02:26.09	-0.01
			Sg	02:30.70	0.00
PKS9	34.2	344	Sg	20:02:31.16	-0.05
PKB5	42.3	37	Sg	20:02:33.54	-0.22
PKS2	66.1	70	Pg	20:02:32.08	0.02
			Sg	02:40.52	-0.78*

1367.

2024-09-04 time: 21:27:41.57 UTC ML= 0.1  
 lat: 45.766N lon: 21.800E h= 14.2 km  
 erh= 7.0km erz= 1.8km  
 nr= 6 gap=211 rms=0.45  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.9	221	Pg	21:27:46.17	-0.06
			Sg	27:49.79	-0.07
SURR	25.3	93	Pg	21:27:47.40	0.66
			Sg	27:50.84	0.06
BANR	67.1	231	Sg	21:28:02.99	-0.39
DEV	86.7	81	S*	21:28:08.51	-0.84

1368.

2024-09-05 time: 6:49:18.88 UTC ML= 0.5  
 lat: 47.361N lon: 18.299E h= 0.0 km  
 erh= 2.7km erz= 363km  
 nr= 6 gap=177 rms=0.21  
 Locality: Csákberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	2.9	276	PgU	6:49:19.36	-0.04
			Sg	49:19.69	-0.11
PKSG	7.8	63	Pg	6:49:20.33	0.07
			Sg	49:21.23	-0.12
PKST	23.0	241	Pg	6:49:23.25	0.27
			Sg	49:25.56	-0.62

1369.

2024-09-05 time: 7:11:06.00 UTC ML= 1.7  
 lat: 48.510N lon: 17.528E h= 0.0 km  
 erh= 2.6km erz= 2.8km  
 nr= 11 gap=207 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	24.0	231	Pg	7:11:10.41	0.13
			Sg	11:14.24	0.63
JAVC	40.2	15	Pg	7:11:13.67	0.50
			Sg	11:18.43	-0.34
ZST	47.0	222	Pg	7:11:14.58	0.18
			Sg	11:19.87	-1.08
KRUC	103.4	306	Sg	7:11:39.14	0.28
RONA	128.6	225	Pg	7:11:29.40	0.44
			Sg	11:46.36	-0.51
CONA	139.7	242	Sn	7:11:48.34	-1.18
MORC	140.8	0	Sn	7:11:47.97	-1.81

1370.

2024-09-05 time: 7:36:57.81 UTC ML= 1.6  
 lat: 48.403N lon: 17.323E h= 0.0 km  
 erh= 3.0km erz= 5.7km  
 nr= 13 gap=189 rms=0.87  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	4.7	226	PgU	7:36:59.68	1.03
			Sg	37:00.75	1.44
ZST	28.2	215	Pg	7:37:03.14	0.29
			Sg	37:06.49	-0.30
JAVC	56.8	27	Pg	7:37:08.51	0.55
			Sg	37:15.61	-0.26
KRUC	100.1	317	Pg	7:37:15.81	0.12
			Sg	37:28.79	-0.84
RONA	109.4	224	Pg	7:37:17.54	0.19
			Sg	37:30.52	-2.08
VRAC	114.0	332	Sg	7:37:33.57	-0.48
CONA	120.8	244	Sg	7:37:34.53	-1.69
MORC	153.6	6	Sn	7:37:42.66	-1.76

1371.

2024-09-05 time: 8:02:34.68 UTC ML= 1.1  
 lat: 47.866N lon: 16.068E h= 0.0 km  
 erh= 2.8km erz= 4.4km  
 nr= 9 gap= 83 rms=0.90  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.9	294	Pg	8:02:38.25	0.55
			Sg	02:41.97	1.91
RONA	25.2	137	Pg	8:02:39.53	0.35
			Sg	02:43.03	0.34
ARSA	79.8	211	Sg	8:02:58.83	-1.21
MODS	106.3	58	Sg	8:03:08.27	-0.19
KRUC	135.2	10	Pn	8:02:58.09	-0.48
			Sn	03:14.89	-2.31
VRAC	165.0	14	Sn	8:03:23.40	-0.42

1372.

2024-09-05 time: 8:18:19.20 UTC ML= 1.5  
 lat: 47.823N lon: 19.132E h= 0.0 km  
 erh= 5.1km erz= 553km  
 nr= 5 gap=207 rms=0.25  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	11.8	108	Pg	8:18:21.47	0.17
			Sg	18:22.91	-0.03
PSZ	58.0	79	Pg	8:18:29.71	0.15
			Sg	18:36.82	-0.82
PKST	103.7	233	Pg	8:18:37.62	-0.10

1373.

2024-09-05 time: 11:53:32.05 UTC ML= 0.9  
 lat: 47.854N lon: 16.054E h= 0.0 km  
 erh= 1.0km erz= 1.6km  
 nr= 8 gap=106 rms=0.80  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.6	300	Pg	11:53:35.71	0.70
			Sg	53:37.43	0.10
RONA	25.0	133	Pg	11:53:37.01	0.50
			Sg	53:40.16	0.17
SOP	42.3	117	Pg	11:53:40.24	0.63
ARSA	78.1	211	Sg	11:53:55.65	-1.23
KRUC	136.7	11	Pn	11:53:55.41	-0.72
			Sn	54:12.83	-2.07

## Hypocenter Parameters

1374.

2024-09-06 time: 6:14:02.89 UTC ML= 1.8  
 lat: 47.647N lon: 16.242E h= 0.0 km  
 erh= 5.8km erz= 8.2km  
 nr= 9 gap=187 rms=1.18  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	7.1	35	PgU	6:14:05.05			0.89
			Sg	14:05.59			0.44
CONA	42.3	318	Pg	6:14:11.21			0.77
			Sg	14:15.43			-0.90
ARSA	69.9	231	Pg	6:14:16.28			0.91
			Sg	14:23.34			-1.77
MODS	111.8	44	Pg	6:14:23.18			0.33
			Sg	14:35.40			-3.02
KRUC	157.7	4	Sn	6:14:48.55			-1.86

1375.

2024-09-06 time: 7:48:42.13 UTC ML= 1.4  
 lat: 48.627N lon: 20.767E h= 0.0 km  
 erh= 4.1km erz= 694km  
 nr= 6 gap=200 rms=0.40  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.2	232	Pg	7:48:46.64			-0.17
			Sg	48:49.90			-0.55
ABAH	50.8	136	Pg	7:48:51.50			0.30
			Sg	48:57.74			-0.53
PSZ	102.0	219	Pg	7:49:00.88			0.54
KOLS	115.9	73	Sg	7:49:18.67			-0.29

1376.

2024-09-06 time: 11:52:46.16 UTC ML= 2.0  
 lat: 45.569N lon: 17.771E h= 0.0 km  
 erh= 2.9km erz= 3.2km  
 nr= 16 gap=224 rms=0.53  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	51.6	47	Pg	11:52:56.34			0.97
			Sg	53:02.21			-0.35
KOVH	63.1	24	Pg	11:52:58.05			0.62
			Sg	53:06.93			0.71
MOSL	79.5	274	Pg	11:53:00.74			0.39
			Sg	53:10.93			-0.49
S9BD	96.0	42	Sg	11:53:16.65			-0.03
PKSM	98.3	43	Pg	11:53:02.87			-0.84
			Sg	53:17.24			-0.17
MORH	98.8	43	Pg	11:53:03.71			-0.09
			Sg	53:17.19			-0.37
PKS9	119.8	19	Pg	11:53:07.75			0.21
BEHE	126.4	322	Pg	11:53:08.65			-0.07
			Sg	53:25.30			-1.03
PKB3	145.6	49	Pn	11:53:11.14			-0.20
CRES	182.5	279	Sn	11:53:38.51			-0.67

1377.

2024-09-06 time: 16:09:29.23 UTC ML= 2.3  
 lat: 47.340N lon: 18.152E h= 7.1 km  
 erh= 1.0km erz= 1.0km  
 nr= 38 gap= 71 rms=0.55  
 Locality: Nagyveleg  
 Comments: felt 3 IIS

## Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
CSKK	8.6	73	PgD	16:09:31.10			-0.13
			Sg	09:33.48			0.70
PKST	12.6	225	PgD	16:09:31.36			-0.46
			Sg	09:33.24			-0.60
PKSG	19.0	72	PgD	16:09:32.61			-0.24
			Sg	09:36.01			0.34
MPLH	50.0	248	Pg	16:09:38.30			0.04
			Sg	09:45.91			0.61
TIH	52.7	202	Pg	16:09:38.83			0.10
EGYH	62.5	278	Sg	16:09:48.21			-1.02
BUD	67.7	76	Sg	16:09:50.01			-0.87
PKS7	83.1	113	Sg	16:09:55.26			-0.49
PKS9	84.3	173	Pg	16:09:45.28			0.95
			Sg	09:55.63			-0.48
PKB5	94.0	152	Pg	16:09:46.82			0.75
			Sg	09:58.57			-0.63
PENC	98.7	59	Pg	16:09:46.61			-0.30
PKB4	99.9	160	Pg	16:09:47.52			0.40
			Sg	10:00.55			-0.52
PKB2	111.1	132	Sg	16:10:03.49			-1.14
ZST	123.5	320	Pn	16:09:50.76			0.00
			Sn	10:05.62			-1.93
MORH	130.5	163	Pn	16:09:51.05			-0.58
PKSM	130.9	163	Pn	16:09:51.07			-0.61
MODS	132.3	330	Pn	16:09:51.80			-0.05
KOVH	139.2	182	Pn	16:09:53.10			0.38
RONA	145.3	286	Pn	16:09:53.52			0.03
PSZ	145.9	64	Pn	16:09:54.29			0.73
PKSV	161.5	177	Pn	16:09:56.63			1.13
JAVC	172.7	348	Pn	16:09:57.11			0.22
WINA	177.8	299	Pn	16:09:57.50			-0.03
			Sn	10:19.25			-0.34
CONA	184.1	291	Pn	16:09:58.54			0.22
ARSA	199.1	267	Pn	16:10:00.73			0.55
SOKA	248.3	253	Pn	16:10:06.41			0.08
			Sn	10:33.93			-1.33
ABNA	251.1	306	Pn	16:10:07.62			0.95
			Sn	10:36.36			0.49

1378.

2024-09-06 time: 16:54:13.59 UTC ML= 1.8  
 lat: 45.834N lon: 17.719E h= 8.2 km  
 erh= 3.7km erz= 2.6km  
 nr= 16 gap=170 rms=0.56  
 Locality: Felsőszentmárton  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOVH	40.9	46	PgD	16:54:21.45			0.40
			Sg	54:27.37			0.50
PKSV	41.9	82	Pg	16:54:21.56			0.34
			Sg	54:27.29			0.13
MOSL	79.0	252	Pg	16:54:27.29			-0.48
			Sg	54:35.35			-3.48*
S9BD	80.2	59	Pg	16:54:28.40			0.40
PKSM	82.9	60	Pg	16:54:28.14			-0.33
			Sg	54:38.82			-1.26
MORH	83.3	59	Pg	16:54:28.48			-0.07
			Sg	54:39.06			-1.15
PKB4	100.5	43	Pg	16:54:32.03			0.43
			Sg	54:45.27			-0.38
PKB5	115.4	43	Sn	16:54:49.64			-0.21
TIH	119.3	6	Pn	16:54:35.31			0.86
			Sn	54:50.06			-0.65

1379.

2024-09-07 time: 1:36:24.53 UTC ML= 0.4  
 lat: 47.334N lon: 18.136E h= 8.6 km  
 erh= 1.1km erz= 0.5km  
 nr= 7 gap=208 rms=0.05  
 Locality: Bakonycsérnye  
 Comments:

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
CSKK	9.9	71	Pg	1:36:26.96	0.08
			Sg	36:28.70	-0.01
PKST	11.4	223	PgD	1:36:27.09	0.01
			Sg	36:29.03	-0.04
PKSG	20.3	72	Pg	1:36:28.39	-0.07
			Sg	36:31.52	-0.01
PKSM	130.6	163	Sn	1:37:04.09	0.03

1380.

2024-09-07 time: 2:43:31.19 UTC ML= 1.2  
 lat: 47.308N lon: 18.160E h= 7.0 km  
 erh= 1.5km erz= 1.2km  
 nr= 16 gap=124 rms=0.47  
 Locality: Balinka  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	9.7	51	Pg	2:43:33.24	-0.09
			Sg	43:35.03	0.03
PKST	11.0	240	Pg	2:43:33.51	-0.02
			Sg	43:35.36	0.02
PKSG	19.7	62	Pg	2:43:34.71	-0.22
			Sg	43:37.94	0.10
MPLH	49.5	252	Pg	2:43:40.39	0.27
PKB1	75.5	141	Sg	2:43:55.14	-0.15
PKB5	90.6	151	Sg	2:43:59.86	-0.22
PKB4	96.4	159	Sg	2:44:01.04	-0.87
MORH	127.0	163	Pn	2:43:53.80	0.64
			Sn	44:09.55	-0.75
PKSM	127.3	163	Pn	2:43:54.13	0.92
			Sn	44:09.84	-0.54
KOVH	135.7	182	Sn	2:44:12.66	0.42
RONA	147.0	287	Sn	2:44:13.62	-1.13

1381.

2024-09-07 time: 9:34:34.86 UTC ML= 2.3  
 lat: 45.770N lon: 16.006E h= 10.0 km  
 erh= 2.8km erz= 1.4km  
 nr= 22 gap=172 rms=0.74  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	6.6	352	PgD	9:34:36.96	-0.05
			Sg	34:38.24	-0.44
R971	7.6	3	PgD	9:34:37.02	-0.08
			Sg	34:39.08	0.23
GCIS	31.3	290	iPg	9:34:41.34	0.61
			iSg	34:45.39	0.08
GOLS	39.9	312	ePg	9:34:42.60	0.39
CRÉS	43.1	278	Pg	9:34:41.09	-1.68
DOBS	59.2	315	iPg	9:34:45.83	0.24
MOSL	60.9	107	Pg	9:34:46.09	0.21
			Sg	34:53.45	-1.02
KOGS	77.8	14	Pg	9:34:49.58	0.72
GROS	86.1	333	Pg	9:34:50.43	0.08
			Sg	35:00.40	-2.03
BEHE	98.0	37	Sg	9:35:05.58	-0.60
PERS	118.2	325	Pn	9:34:55.41	0.05
			Sn	35:10.05	-1.30
SOKA	125.8	323	Pn	9:34:56.68	0.37
			Sn	35:11.80	-1.23
OBKA	139.4	306	Pn	9:34:59.67	1.67
			Sn	35:17.06	1.02
ARSA	168.7	347	Sn	9:35:23.28	0.73

1382.

2024-09-07 time: 9:39:11.21 UTC ML= 1.7  
 lat: 45.807N lon: 16.026E h= 12.1 km  
 erh= 2.9km erz= 1.5km  
 nr= 11 gap=162 rms=0.48  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	3.5	314	Pg	9:39:13.47	0.01
			Sg	39:14.64	-0.58
R971	3.6	340	Pg	9:39:13.49	0.02
CRÉS	44.3	273	Pg	9:39:19.57	0.16
			Sg	39:25.51	-0.30
MOSL	60.7	111	Pg	9:39:22.61	0.35
			Sg	39:30.29	-0.58
GROS	83.2	331	Pg	9:39:27.12	0.90
			Sg	39:36.77	-1.16
PERS	115.8	323	Sn	9:39:46.63	-0.04
SOKA	123.4	322	Sn	9:39:47.96	-0.41

1383.

2024-09-07 time: 9:59:11.95 UTC ML= 1.0  
 lat: 47.374N lon: 18.301E h= 8.5 km  
 erh= 2.3km erz= 0.9km  
 nr= 10 gap=174 rms=0.26  
 Locality: Csókakó  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.3	249	Pg	9:59:13.51	-0.07
			Sg	59:14.18	-0.67
PKSG	7.0	73	PgD	9:59:14.15	0.23
			Sg	59:15.40	-0.06
PKST	23.9	238	Pg	9:59:16.59	0.11
			Sg	59:19.77	-0.24
PKS6	129.0	132	Sn	9:59:50.88	-0.28
PKSM	131.7	169	Pn	9:59:34.79	0.47
			Sn	59:51.76	-0.01
PSZ	134.2	63	Pn	9:59:34.45	-0.17

1384.

2024-09-08 time: 20:23:57.30 UTC ML=-0.2  
 lat: 47.390N lon: 18.292E h= 4.5 km  
 erh= 2.5km erz= 0.9km  
 nr= 5 gap=216 rms=0.04  
 Locality: Csókakó  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.8	218	Pg	20:23:58.30	-0.06
			Sg	23:59.22	0.04
PKSG	7.5	89	Pg	20:23:58.89	0.03
			Sg	24:00.05	-0.02
PKST	24.3	233	Sg	20:24:05.19	0.02

1385.

2024-09-08 time: 21:56:00.12 UTC ML=-0.1  
 lat: 47.384N lon: 18.281E h= 5.6 km  
 erh= 0.6km erz= 0.1km  
 nr= 5 gap=211 rms=0.01  
 Locality: Csókakó  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.8	213	Pg	21:56:01.24	0.00
			Sg	56:02.09	-0.01
PKSG	8.4	84	Pg	21:56:01.91	-0.01
			Sg	56:03.33	0.02
PKST	23.2	233	Sg	21:56:07.72	0.00

## Hypocenter Parameters

## Földrengés paraméterek

1386.

2024-09-08 time: 21:59:07.34 UTC ML= 0.0  
 lat: 47.423N lon: 18.257E h= 0.5 km  
 erh= 2.9km erz=30.7km  
 nr= 5 gap=246 rms=0.05  
 Locality: Pusztavám  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	6.6	178	Pg	21:59:08.55			0.02
			Sg	59:09.39			-0.07
PKSG	10.7	109	Pg	21:59:09.21			-0.04
			Sg	59:10.80			0.06
PKST	24.8	223	Sg	21:59:15.28			0.06

1387.

2024-09-09 time: 0:03:58.07 UTC ML=-0.1  
 lat: 47.316N lon: 18.228E h= 14.4 km  
 erh= 3.3km erz= 1.9km  
 nr= 7 gap=139 rms=0.15  
 Locality: Bodajk  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	5.8	25	Pg	0:04:00.68			-0.16
			Sg	04:02.92			-0.08
PKSG	14.9	56	Pg	0:04:01.76			-0.01
			Sg	04:04.96			0.30
PKST	15.9	247	Pg	0:04:01.87			-0.03
			Sg	04:05.23			0.34
PKSM	126.7	166	Sn	0:04:35.40			-0.05

1388.

2024-09-09 time: 2:47:24.32 UTC ML= 1.1  
 lat: 46.035N lon: 21.995E h= 0.4 km  
 erh= 3.1km erz= 454km  
 nr= 7 gap=152 rms=0.47  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	32.8	162	PgU	2:47:30.33			0.15
			Sg	47:33.72			-1.03
BZS	55.0	212	Pg	2:47:34.25			0.11
			Sg	47:41.31			-0.50
TIM	68.6	241	Sg	2:47:46.71			0.57
DRGR	100.5	33	Pg	2:47:42.69			0.42
			Sg	47:55.65			-0.63

1389.

2024-09-09 time: 8:28:54.48 UTC ML= 1.3  
 lat: 48.500N lon: 20.778E h= 0.0 km  
 erh= 2.6km erz= 905km  
 nr= 9 gap=102 rms=0.71  
 Locality: Tornaszentandrás  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	21.7	265	Pg	8:28:59.22			0.86
			Sg	29:01.11			-0.27
ABAH	41.0	124	Pg	8:29:02.20			0.40
			Sg	29:07.32			-0.18
PSZ	92.2	225	Pg	8:29:10.76			-0.18
			Sg	29:23.51			-0.26
NIE	107.8	342	Pg	8:29:14.21			0.49
			Sg	29:27.36			-1.37
KOLS	120.1	66	Sg	8:29:30.81			-1.85

1390.

2024-09-09 time: 8:37:17.25 UTC ML= 0.9  
 lat: 46.181N lon: 18.291E h= 0.0 km  
 erh= 2.8km erz= 683km  
 nr= 11 gap=159 rms=0.55  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	18.0	235	PgU	8:37:20.49			0.03
			Sg	37:22.83			-0.14
S9BD	24.4	83	Pg	8:37:22.40			0.79
			Sg	37:24.25			-0.77
PKSM	27.3	83	Pg	8:37:22.68			0.56
			Sg	37:24.99			-0.93
MORH	27.6	82	Pg	8:37:22.50			0.33
			Sg	37:25.49			-0.52
PKSV	32.6	185	Pg	8:37:23.23			0.15
			Sg	37:27.04			-0.59
PKB4	42.5	35	Sg	8:37:29.88			-0.89

1391.

2024-09-09 time: 9:49:22.19 UTC ML= 1.4  
 lat: 45.966N lon: 22.666E h= 0.0 km  
 erh= 5.7km erz= \*\*\*km  
 nr= 9 gap=124 rms=1.43  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	20.6	116	Pg	9:49:25.68			-0.19
			Sg	49:28.63			-0.12
SURR	48.2	241	Pg	9:49:31.92			1.13
			Sg	49:37.14			-0.36
BZS	90.3	245	Pg	9:49:39.01			0.69
			Sg	49:49.16			-1.74
DRGR	91.8	2	Pg	9:49:40.29			1.69
			Sg	49:49.14			-2.25
TIM	115.1	257	Sg	9:49:54.90			-3.87

1392.

2024-09-10 time: 5:51:29.45 UTC ML= 1.3  
 lat: 47.972N lon: 16.077E h= 0.0 km  
 erh= 1.2km erz= 387km  
 nr= 9 gap=118 rms=0.29  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.8	253	Pg	5:51:32.66			0.20
			Sg	51:34.63			-0.17
RONA	34.4	152	Pg	5:51:35.77			0.17
			Sg	51:40.03			-0.37
ARSA	90.4	207	Pg	5:51:45.80			0.21
			Sg	51:57.65			-0.54
MODS	99.8	63	Sg	5:52:01.27			0.11
KRUC	123.4	11	Pg	5:51:51.52			0.03
			Sg	52:07.45			-1.23

1393.

2024-09-10 time: 6:01:50.51 UTC ML= 1.6  
 lat: 47.893N lon: 20.097E h= 0.0 km  
 erh= 6.1km erz= 6.4km  
 nr= 8 gap=183 rms=0.92  
 Locality: Kiszána  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	15.4	281	Pg	6:01:53.92			0.66
			Sg	01:55.93			0.52

## Földrengés paraméterek

## Hypocenter Parameters

PENC 62.1 259 Sg 6:02:09.11 -1.14  
 KECS 71.7 24 Sg 6:02:12.04 -1.27  
 ABAH 96.2 62 Pg 6:02:08.89 1.20  
 Sg 02:19.95 -1.14  
 LANS 147.3 342 Sn 6:02:35.66 -0.08  
 PKST 170.4 246 Pn 6:02:18.27 -0.53

1394.

2024-09-10 time: 7:10:43.10 UTC ML= 2.2  
 lat: 47.320N lon: 18.461E h= 0.0 km  
 erh= 5.0km erz= 5.7km  
 nr= 10 gap=200 rms=0.85  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	9.6	326	PgU	7:10:45.58			0.76
			Sg	10:45.90			-0.26
CSKK	15.9	288	Pg	7:10:46.84			0.90
			Sg	10:48.19			0.03
PKST	33.0	258	Sg	7:10:52.13			-1.46
PENC	81.0	50	Sg	7:11:07.83			-1.00
PSZ	126.7	58	Pg	7:11:06.18			0.46
			Sg	11:22.48			-0.88
MODS	146.9	323	Pn	7:11:08.65			0.20
			Sn	11:26.05			-2.18

1395.

2024-09-10 time: 8:31:18.51 UTC ML= 1.5  
 lat: 48.658N lon: 20.753E h= 0.0 km  
 erh= 3.0km erz= 800km  
 nr= 8 gap=135 rms=0.57  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	27.7	225	Pg	8:31:23.83			0.37
			Sg	31:27.31			0.00
ABAH	54.0	138	Pg	8:31:28.80			0.65
			Sg	31:35.33			-0.33
PSZ	104.0	218	Pg	8:31:36.92			-0.17
			Sg	31:50.10			-1.48
LANS	109.0	300	Pg	8:31:38.20			0.23
KOLS	115.8	75	Sg	8:31:54.22			-1.09

1396.

2024-09-10 time: 11:01:40.44 UTC ML= 1.7  
 lat: 48.129N lon: 16.871E h= 0.0 km  
 erh= 3.2km erz= 5.0km  
 nr= 12 gap=156 rms=0.87  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	18.8	66	Pg	11:01:43.73			-0.06
			Sg	01:45.52			-0.88
MODS	40.6	48	Pg	11:01:47.76			0.07
			Sg	01:51.56			-1.79
RONA	64.2	222	Pg	11:01:51.30			-0.60
			Sg	02:00.53			-0.32
CONA	78.5	254	Sg	11:02:06.26			0.86
JAVC	100.4	36	Pg	11:02:00.13			1.76
KRUC	109.5	341	Pg	11:02:00.81			0.81
			Sg	02:15.00			-0.26
VRAC	132.8	351	Pn	11:02:03.92			-0.10
			Sn	02:21.04			-1.38

1397.

2024-09-10 time: 11:54:08.74 UTC ML= 1.8  
 lat: 48.265N lon: 19.820E h= 0.0 km  
 erh= 3.2km erz= 6.1km  
 nr= 14 gap=101 rms=1.10  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	39.0	172	PgU	11:54:16.76			1.05
			Sg	54:21.00			-0.14
KECS	55.0	64	Pg	11:54:19.25			0.69
			Sg	54:25.74			-0.47
PENC	66.3	217	Pg	11:54:20.23			-0.36
			Sg	54:28.70			-1.13
LANS	101.8	345	Pg	11:54:27.99			1.07
			Sg	54:39.98			-1.11
ABAH	105.4	88	Pg	11:54:27.24			-0.33
			Sg	54:41.00			-1.26
ZBNS	129.7	318	Sg	11:54:47.83			-2.15
NIE	133.3	16	Pn	11:54:34.07			1.67
			Sn	54:48.12			-2.72
OJC	217.3	360	Sn	11:55:10.10			0.60

1398.

2024-09-10 time: 12:39:19.68 UTC ML= 1.1  
 lat: 48.579N lon: 20.828E h= 0.0 km  
 erh= 6.7km erz= \*\*\*km  
 nr= 6 gap=183 rms=0.84  
 Locality: Hidvégdő  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	27.5	247	Pg	12:39:25.20			0.62
			Sg	39:28.59			0.18
ABAH	43.8	136	Pg	12:39:28.22			0.72
			Sg	39:33.26			-0.34
PSZ	101.0	223	Sg	12:39:50.56			-1.24
KOLS	113.3	70	Sg	12:39:54.13			-1.56

1399.

2024-09-10 time: 13:36:29.37 UTC ML= 1.7  
 lat: 47.119N lon: 19.370E h= 0.0 km  
 erh= 7.0km erz= 745km  
 nr= 6 gap=206 rms=0.47  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	17.8	243	Pg	13:36:32.77			0.23
			Sg	36:34.58			-0.43
PKB1	57.6	230	Pg	13:36:39.76			0.11
PSZ	97.3	24	Pg	13:36:47.04			0.30
			Sg	36:57.78			-2.51
PKST	102.4	279	Pg	13:36:47.53			-0.13

1400.

2024-09-11 time: 6:53:46.69 UTC ML= 1.6  
 lat: 48.051N lon: 20.690E h= 0.0 km  
 erh= 3.0km erz= 663km  
 nr= 7 gap=198 rms=0.45  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	49.1	56	Pg	6:53:55.64			0.18
			Sg	54:01.82			-0.48
KECS	50.4	342	Pg	6:53:55.77			0.08
			Sg	54:02.34			-0.36
PSZ	61.2	256	Pg	6:53:58.14			0.52

## Hypocenter Parameters

## Földrengés paraméterek

PENC 109.2 255 Sg 54:06.07 -0.08  
 Sg 6:54:19.90 -1.50

1401.

2024-09-11 time: 7:09:19.81 UTC ML= 2.2  
 lat: 46.827N lon: 17.268E h= 0.0 km  
 erh= 4.7km erz=10.0km  
 nr= 15 gap=100 rms=1.62  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	43.4	28	Pg	7:09:29.54	1.98
			Sg	09:34.47	0.86
EGYH	65.8	4	Pg	7:09:31.83	0.27
			Sg	09:39.74	-0.99
PKST	75.5	50	Sg	7:09:43.26	-0.55
KOGS	88.6	242	Sg	7:09:46.73	-1.23
CSKK	96.1	52	Pg	7:09:38.48	1.51
			Sg	09:49.14	-1.21
KOVH	104.0	142	Pg	7:09:39.37	0.99
PKSG	105.9	54	Sg	7:09:50.62	-2.84
PKB4	108.6	110	Sg	7:09:52.35	-1.99
SOP	109.4	331	Sg	7:09:53.37	-1.20
MORH	125.5	123	Sg	7:09:57.60	-2.11
ARSA	140.7	290	Sn	7:10:00.65	-2.92
GROS	141.2	253	Pn	7:09:46.50	2.05

1402.

2024-09-11 time: 8:14:06.58 UTC ML= 1.1  
 lat: 46.153N lon: 18.305E h= 0.0 km  
 erh= 0.5km erz= 110km  
 nr= 8 gap=190 rms=0.09  
 Locality: Vasas  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.4	245	Pg	8:14:09.61	-0.08
			Sg	14:11.96	-0.15
PKSM	26.8	76	PgU	8:14:11.33	-0.03
			Sg	14:15.05	-0.04
MORH	27.1	75	PgU	8:14:11.56	0.14
			Sg	14:15.09	-0.10
PKSV	29.7	188	Pg	8:14:11.96	0.07
			Sg	14:16.11	0.08

1403.

2024-09-11 time: 9:09:36.34 UTC ML= 1.7  
 lat: 46.138N lon: 21.490E h= 10.0 km  
 erh= 7.1km erz= 8.9km  
 nr= 10 gap=130 rms=0.86  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	58.7	170	PgD	9:09:48.25	1.27
			Sg	09:55.61	0.33
SURR	65.1	131	Pg	9:09:48.09	-0.01
			Sg	09:56.74	-0.53
BANR	88.4	198	Sg	9:10:03.21	-1.39
DRGR	118.7	52	Pn	9:09:57.41	0.52
			Sn	10:11.27	-1.65
CJR	174.2	68	Pn	9:10:02.97	-0.84
			Sn	10:25.92	0.67
PSZ	232.2	328	Sn	9:10:38.58	0.47

1404.

2024-09-11 time: 9:35:47.24 UTC ML= 1.5  
 lat: 47.982N lon: 16.096E h= 0.0 km  
 erh= 1.7km erz= 2.9km  
 nr= 8 gap=140 rms=0.35  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.5	251	Pg	9:35:50.44	-0.10
			Sg	35:53.18	0.06
RONA	34.8	154	Pg	9:35:53.10	-0.35
			Sg	35:58.66	0.37
KRUC	122.1	10	Pg	9:36:09.45	0.40
			Sg	36:25.53	-0.53
VRAC	152.0	14	Pn	9:36:13.61	0.38
			Sn	36:33.03	-0.47

1405.

2024-09-11 time: 9:44:47.66 UTC ML= 1.2  
 lat: 47.659N lon: 18.393E h= 0.0 km  
 erh= 2.7km erz= 4.5km  
 nr= 12 gap=122 rms=0.97  
 Locality: Agostyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	29.8	180	Pg	9:44:53.68	0.71
			Sg	44:56.70	-0.41
CSKK	34.4	197	Pg	9:44:55.01	1.21
			Sg	44:57.75	-0.84
BUD	51.3	112	Sg	9:45:03.98	0.00
PKST	52.1	211	Pg	9:44:58.01	1.05
			Sg	45:03.39	-0.82
PENC	68.3	78	Sg	9:45:09.39	0.04
MODS	115.0	314	Sg	9:45:23.68	-0.54
PSZ	116.1	76	Sg	9:45:23.13	-1.44
MORH	161.6	173	Sn	9:45:34.49	-1.56
PKSM	162.0	173	Sn	9:45:34.33	-1.81

1406.

2024-09-11 time: 10:02:49.04 UTC ML= 1.7  
 lat: 47.305N lon: 17.646E h= 0.0 km  
 erh= 3.1km erz= 3.3km  
 nr= 17 gap= 66 rms=1.34  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	17.0	208	Pg	10:02:53.36	1.28
			Sg	02:55.40	0.95
EGYH	26.8	298	Sg	10:02:56.18	-1.39
PKST	29.8	100	Pg	10:02:55.95	1.59
PKSG	57.1	80	Pg	10:03:00.02	0.79
			Sg	03:06.29	-0.89
PKB1	104.6	124	Sg	10:03:20.19	-2.09
RONA	110.8	293	Pg	10:03:09.85	1.03
			Sg	03:22.46	-1.79
PENC	134.4	66	Pn	10:03:14.12	1.28
KOVH	139.6	166	Sn	10:03:31.08	-1.47
MORH	143.1	148	Sn	10:03:31.86	-1.46
PKSM	143.3	148	Sn	10:03:31.55	-1.82
CONA	151.0	297	Sn	10:03:34.29	-0.79
ARSA	160.8	268	Sn	10:03:35.62	-1.62
JAVC	172.8	1	Sn	10:03:39.85	-0.07
PSZ	182.3	68	Sn	10:03:40.28	-1.74



## Földrengés paraméterek

## Hypocenter Parameters

1407.

2024-09-11 time: 10:47:44.97 UTC ML= 0.5  
 lat: 47.262N lon: 18.242E h= 0.0 km  
 erh= 2.5km erz= 332km  
 nr= 6 gap=231 rms=0.21  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.3	7	Pg	10:47:47.25	0.26
			Sg	47:48.75	0.18
PKST	15.7	269	Pg	10:47:47.70	-0.08
			Sg	47:49.77	-0.20
PKSG	18.3	38	Pg	10:47:48.25	0.01
			Sg	47:50.32	-0.47

1408.

2024-09-11 time: 10:48:27.68 UTC ML= 0.8  
 lat: 47.198N lon: 18.308E h= 0.0 km  
 erh= 1.9km erz= 3.5km  
 nr= 8 gap=111 rms=0.38  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.7	349	Sg	10:48:33.41	-0.22
PKST	21.8	288	Pg	10:48:31.52	-0.06
			Sg	48:34.03	-0.59
PKSG	22.5	16	Pg	10:48:31.99	0.30
			Sg	48:34.73	-0.09
MPLH	58.3	267	Pg	10:48:38.69	0.59
MORH	112.2	167	Sg	10:49:02.83	-0.50
PSZ	143.8	56	Sn	10:49:11.76	-0.35

1409.

2024-09-11 time: 14:40:25.70 UTC ML= 2.0  
 lat: 48.601N lon: 22.240E h= 10.0 km  
 erh= 2.2km erz= 1.9km  
 nr= 18 gap=140 rms=0.76  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	37.0	4	Pg	14:40:31.69	-0.86
			Sg	40:38.59	0.70
TRPA	56.8	157	Pg	14:40:36.29	0.28
			Sg	40:44.05	0.00
ABAH	81.4	245	Pg	14:40:40.88	0.53
			Sg	40:50.96	-0.82
KWP	119.6	17	Pn	14:40:46.59	0.22
			Sn	41:01.44	-1.04
KECS	130.2	264	Pn	14:40:47.99	0.30
			Sn	41:03.60	-1.25
LTVH	137.6	191	Sn	14:41:05.74	-0.74
NIE	167.8	303	Pn	14:40:54.42	2.04
			Sn	41:14.53	1.35
PSZ	190.0	246	Pn	14:40:54.85	-0.30
			Sn	41:17.46	-0.65
DRGR	204.3	170	Pn	14:40:57.43	0.50
			Sn	41:20.95	-0.33
OJC	252.6	315	Sn	14:41:30.76	-1.25

1410.

2024-09-11 time: 14:52:40.70 UTC ML= 1.7  
 lat: 47.637N lon: 16.313E h= 0.0 km  
 erh= 3.6km erz= 5.0km  
 nr= 13 gap=115 rms=1.10  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	7.0	350	PgU	14:52:42.87	0.91
			Sg	52:43.51	0.57
CONA	46.8	314	Pg	14:52:49.02	-0.04
			Sg	52:54.43	-1.15
ARSA	73.5	234	Pg	14:52:53.85	0.02
			Sg	53:02.97	-1.10
EGYH	80.5	108	Sg	14:53:05.08	-1.21
MODS	109.0	41	Pg	14:53:01.41	1.25
			Sg	53:12.21	-3.13
SOKA	144.3	222	Pn	14:53:06.88	1.16
			Sn	53:24.20	-1.04
KRUC	158.5	2	Pn	14:53:07.99	0.49
			Sn	53:26.08	-2.32

1411.

2024-09-11 time: 15:17:28.07 UTC ML= 1.5  
 lat: 47.085N lon: 19.368E h= 0.0 km  
 erh= 7.2km erz= \*\*\*km  
 nr= 8 gap=187 rms=1.00  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.3	255	Pg	15:17:32.00	1.02
			Sg	17:33.37	0.12
PSZ	100.7	23	Pg	15:17:46.27	0.21
			Sg	17:58.61	-1.48
MORH	111.4	210	Pg	15:17:48.36	0.39
			Sg	18:01.68	-1.81
PKSM	111.9	210	Pg	15:17:48.73	0.67
			Sg	18:01.59	-2.06

1412.

2024-09-12 time: 7:51:05.03 UTC ML= 1.4  
 lat: 48.705N lon: 19.983E h= 0.0 km  
 erh= 3.5km erz= 853km  
 nr= 7 gap=193 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	44.5	124	Pg	7:51:13.75	0.78
			Sg	51:18.87	-0.30
NIE	83.0	17	Pg	7:51:20.06	0.21
			Sg	51:30.66	-0.75
PSZ	87.7	184	Pg	7:51:20.90	0.21
			Sg	51:31.87	-1.03
ABAH	103.4	116	Sg	7:51:37.44	-0.44

1413.

2024-09-13 time: 4:30:11.12 UTC ML= 1.5  
 lat: 45.796N lon: 20.469E h= 25.8 km  
 erh= 4.1km erz= 3.3km  
 nr= 9 gap=185 rms=0.42  
 Locality: Serbia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	58.8	96	Sg	4:30:30.60	0.05
BZS	91.5	103	PnD	4:30:26.33	-0.18
			Sn	30:38.16	-0.34
SURR	128.8	92	Pn	4:30:31.74	0.58
			Sn	30:47.03	0.25
MORH	148.9	288	Sn	4:30:52.08	0.85
PKSM	149.0	288	Pn	4:30:33.14	-0.53
			Sn	30:50.85	-0.40
BORR	175.8	35	Sn	4:30:57.24	0.03

## Hypocenter Parameters

## Földrengés paraméterek

1414.  


---

 2024-09-13 time: 9:30:50.96 UTC ML= 1.4  
 lat: 45.637N lon: 17.281E h= 0.0 km  
 erh= 4.9km erz= 958km  
 nr= 10 gap=197 rms=0.77  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MOSL	41.1	266	Pg	9:30:58.43	0.12
			Sg	31:03.38	-0.66
PKSV	80.6	70	Pg	9:31:05.99	0.64
			Sg	31:17.62	1.05
KOVH	81.0	52	Sg	9:31:17.80	1.09
KOGS	120.4	319	Sg	9:31:28.89	-0.34
PKSM	123.4	59	Pg	9:31:12.91	-0.08
			Sg	31:28.38	-1.80
MORH	123.8	59	Pg	9:31:13.00	-0.07
			Sg	31:28.65	-1.66

1415.

2024-09-13 time: 9:55:08.55 UTC ML= 2.2  
 lat: 48.847N lon: 21.601E h= 0.0 km  
 erh= 3.0km erz= 4.6km  
 nr= 12 gap=135 rms=0.87  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	50.2	79	Pg	9:55:18.33	0.82
			Sg	55:23.35	-1.16
ABAH	66.8	204	Sg	9:55:29.54	-0.23
KECS	91.6	244	Pg	9:55:25.81	0.91
			Sg	55:36.91	-0.74
TRPA	105.6	139	Pg	9:55:27.25	-0.15
			Sg	55:41.08	-1.03
NIE	113.5	304	Pg	9:55:29.52	0.70
			Sg	55:43.17	-1.46
LANS	159.7	282	Sn	9:55:54.45	-2.06
PSZ	163.2	231	Pn	9:55:36.62	0.69
			Sn	55:57.18	-0.11

1416.

2024-09-13 time: 18:45:40.99 UTC ML= 2.0  
 lat: 46.164N lon: 16.658E h= 10.0 km  
 erh= 1.6km erz= 1.5km  
 nr= 34 gap= 69 rms=0.76  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	35.2	15	PgD	18:45:47.68	0.16
			Sg	45:52.07	-0.55
KOGS	44.5	315	Pg	18:45:49.13	-0.01
			Sg	45:54.96	-0.54
PTJ	61.6	242	Pg	18:45:52.36	0.22
			Sg	46:00.32	-0.52
MOSL	61.6	173	Pg	18:45:52.57	0.43
			Sg	46:00.69	-0.15
ZAG	63.5	234	Sg	18:46:01.78	0.36
GOLS	81.7	258	ePg	18:45:55.82	0.13
DOBS	91.9	269	iPg	18:45:56.92	-0.57
			eSg	46:10.29	-0.07
GROS	95.0	290	Pg	18:45:57.21	-0.83
			Sg	46:08.70	-2.65
CRES	100.4	248	Pg	18:45:59.76	0.76
			Sg	46:12.32	-0.73
LEGS	106.5	257	eP*	18:46:00.47	0.48
			eS*	46:13.73	-1.09
KOVH	111.8	94	Pn	18:46:00.33	-0.35
			Sn	46:14.45	-1.59
PKSV	127.2	104	Sn	18:46:18.25	-1.21

PERS	129.6	294	Pn	18:46:02.80	-0.11
			Sn	46:19.39	-0.61
SOKA	137.4	295	Pn	18:46:03.91	0.03
			Sn	46:21.05	-0.68
ARSA	148.7	324	Pn	18:46:06.83	1.54
			Sn	46:23.78	-0.46
PKSM	153.2	88	Pn	18:46:06.03	0.18
			Sn	46:24.53	-0.71
PKB4	154.3	76	Sn	18:46:26.76	1.28
PKST	160.9	41	Pn	18:46:08.38	1.57
OBKA	166.9	283	Pn	18:46:09.47	1.92
			Sn	46:30.23	1.96
RONA	172.9	351	Sn	18:46:29.27	-0.34

1417.

2024-09-13 time: 22:19:36.20 UTC ML= 0.9  
 lat: 45.801N lon: 17.657E h= 10.0 km  
 erh= 9.2km erz=28.9km  
 nr= 8 gap=175 rms=0.87  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	46.9	47	PgD	22:19:45.57	0.81
			Sg	19:51.32	-0.13
PKSV	47.2	78	Pg	22:19:45.65	0.83
			Sg	19:51.23	-0.32
MOSL	73.3	254	Sg	22:19:58.76	-0.96
PKSM	88.9	59	Pg	22:19:52.59	0.42
			Sg	20:03.24	-1.39
MORH	89.3	59	Sg	22:20:03.13	-1.63

1418.

2024-09-14 time: 17:06:18.84 UTC ML= 0.9  
 lat: 48.271N lon: 22.240E h= 13.5 km  
 erh= 7.2km erz= 2.5km  
 nr= 7 gap=205 rms=0.47  
 Locality: Újkenéz  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	27.2	125	Pg	17:06:24.08	-0.18
			Sg	06:28.97	0.49
ABAH	74.3	272	Pg	17:06:32.27	-0.06
			Sg	06:42.73	-0.12
KECS	132.1	280	Sn	17:06:57.97	0.37
DRGR	168.2	168	Sn	17:07:05.02	-0.60
PSZ	179.1	257	Sn	17:07:13.12	5.09*

1419.

2024-09-14 time: 17:11:20.08 UTC ML= 1.7  
 lat: 48.196N lon: 22.220E h= 0.7 km  
 erh= 2.0km erz= 2.5km  
 nr= 6 gap=188 rms=0.41  
 Locality: Lövöpetri  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	24.9	107	Sg	17:11:27.72	-0.26
ABAH	73.6	279	Pg	17:11:33.09	-0.14
			Sg	11:43.69	0.20
LTVH	93.3	195	Sg	17:11:49.56	-0.17
DRGR	160.4	167	Sn	17:12:08.27	0.23
PSZ	176.1	260	Sn	17:12:13.75	2.25

## Földrengés paraméterek

## Hypocenter Parameters

1420.

2024-09-14 time: 17:48:13.05 UTC ML= 1.7  
 lat: 48.255N lon: 22.251E h= 17.9 km  
 erh= 2.4km erz= 2.1km  
 nr= 9 gap=122 rms=0.43  
 Locality: Újkenéz  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	25.5	123	Pg	17:48:18.85	0.23
			Sg	48:22.38	-0.57
ABAH	75.3	274	P*	17:48:26.51	-0.06
			S*	48:36.76	-0.35
KOLS	75.5	1	P*	17:48:27.14	0.54
			S*	48:36.69	-0.48
KECS	133.3	281	Sn	17:48:51.36	0.29
BORR	134.1	195	Sn	17:48:50.50	-0.75
DRGR	166.3	168	Sn	17:48:58.92	0.52
PSZ	179.5	258	Sn	17:49:05.97	4.63*

1421.

2024-09-15 time: 4:30:39.23 UTC ML= 1.3  
 lat: 46.013N lon: 21.987E h= 10.0 km  
 erh= 6.1km erz=25.1km  
 nr= 6 gap=180 rms=0.56  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	30.7	160	PgU	4:30:45.40	0.40
			Sg	30:49.68	0.18
BZS	52.7	213	Pg	4:30:48.77	-0.03
			Sg	30:55.68	-0.58
DRGR	102.9	33	Pg	4:30:57.96	0.27
			Sg	31:10.06	-2.03

1422.

2024-09-15 time: 14:45:37.47 UTC ML= 0.6  
 lat: 48.599N lon: 20.896E h= 0.0 km  
 erh= 8.8km erz= \*\*\*km  
 nr= 5 gap=183 rms=0.80  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	32.9	247	Pg	14:45:43.89	0.54
			Sg	45:46.83	-1.11
ABAH	42.3	143	Pg	14:45:45.82	0.80
			Sg	45:49.93	-0.98
KOLS	107.9	70	Sg	14:46:11.08	-0.68

1423.

2024-09-15 time: 23:21:25.43 UTC ML= 1.4  
 lat: 47.856N lon: 18.490E h= 10.0 km  
 erh= 2.1km erz= 1.5km  
 nr= 17 gap=196 rms=0.57  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	14.1	250	Pg	23:21:28.58	0.07
			Sg	21:30.58	-0.34
PKSG	52.2	188	Pg	23:21:35.49	0.58
			Sg	21:42.20	-0.11
CSKK	57.5	198	Sg	23:21:43.70	-0.27
BUD	57.6	136	Sg	23:21:43.47	-0.55
PENC	59.7	97	Pg	23:21:36.72	0.48
			Sg	21:44.23	-0.44
PKST	74.7	207	Pg	23:21:39.16	0.27
			Sg	21:48.60	-0.80

MPLH	104.6	223	S*	23:21:58.06	-0.70
PSZ	105.2	86	P*	23:21:43.66	-0.59
			S*	21:56.65	-2.28
PKB1	121.3	169	Pn	23:21:47.32	1.01
			Sn	22:02.49	-0.11
MORH	182.7	176	Sn	23:22:15.92	-0.31
PKSM	183.2	176	Sn	23:22:17.19	0.87

1424.

2024-09-16 time: 7:13:21.79 UTC ML= 1.6  
 lat: 48.424N lon: 17.213E h= 0.0 km  
 erh= 3.1km erz= 713km  
 nr= 6 gap=180 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.3	140	PgU	7:13:22.79	-0.31
			Sg	13:24.20	0.07
JAVC	59.0	35	Pg	7:13:31.89	-0.44
			Sg	13:41.12	0.58
KRUC	93.0	320	Pg	7:13:38.99	0.59
			Sg	13:51.09	-0.27

1425.

2024-09-16 time: 10:52:41.61 UTC ML= 1.7  
 lat: 46.104N lon: 21.582E h= 10.0 km  
 erh= 3.3km erz= 3.9km  
 nr= 12 gap= 84 rms=0.78  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	54.3	177	PgU	10:52:51.99	0.53
			Sg	52:59.09	-0.06
SURR	57.3	133	Sg	10:53:00.49	0.38
AMBH	71.5	292	Pg	10:52:54.89	0.39
			Sg	53:03.56	-1.00
BANR	87.4	203	Sg	10:53:08.21	-1.38
BORR	110.7	8	Sn	10:53:15.02	-1.40
DRGR	115.6	49	Pn	10:53:02.26	0.48
			Sn	53:16.74	-0.77
PKS2	187.6	283	Sn	10:53:33.78	0.30
PKSM	227.5	273	Pn	10:53:17.64	1.91
PSZ	239.0	328	Pn	10:53:17.14	-0.03

1426.

2024-09-16 time: 21:56:25.71 UTC ML= 1.3  
 lat: 45.884N lon: 16.034E h= 12.6 km  
 erh= 1.2km erz= 1.3km  
 nr= 16 gap=103 rms=0.38  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	5.5	200	PgD	21:56:28.14	-0.03
			Sg	56:30.35	0.26
PTJ	6.2	287	Pg	21:56:27.96	-0.26
			Sg	56:29.60	-0.58
ZAG	6.9	207	Pg	21:56:28.53	0.25
			Sg	56:30.71	0.43
CRES	45.3	262	Pg	21:56:34.31	0.20
			Sg	56:40.99	0.33
RCF6	50.3	353	Pg	21:56:35.63	0.66
			Sg	56:41.88	-0.30
MOSL	63.6	118	Pg	21:56:37.22	-0.08
			Sg	56:45.71	-0.62
KOGS	64.9	15	Pg	21:56:37.37	-0.15
			Sg	56:46.98	0.26
GROS	76.2	327	Sg	21:56:49.72	-0.53
PERS	109.5	320	Sn	21:56:58.51	-1.15

## Hypocenter Parameters

## Földrengés paraméterek

1427.  


---

 2024-09-17 time: 0:27:19.03 UTC ML= 0.7  
 lat: 46.010N lon: 22.063E h= 10.0 km  
 erh= 3.8km erz=17.4km  
 nr= 6 gap=145 rms=0.46  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	28.8	170	PgU	0:27:24.99	0.51
			Sg	27:28.49	-0.25
BZS	55.8	218	Pg	0:27:29.45	0.30
			Sg	27:36.26	-0.79
TIM	72.1	245	Sg	0:27:42.10	-0.06
DRGR	100.2	30	Sg	0:27:50.43	-0.60

1428.  


---

 2024-09-17 time: 7:33:36.88 UTC ML= 1.3  
 lat: 47.338N lon: 18.380E h= 0.0 km  
 erh= 2.2km erz= 725km  
 nr= 10 gap=163 rms=0.57  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.1	7	PgU	7:33:37.88	-0.08
			Sg	33:38.47	-0.34
CSKK	9.5	287	PgU	7:33:39.04	0.47
			Sg	33:40.38	0.49
PKST	27.6	252	Pg	7:33:41.89	0.09
			Sg	33:45.35	-0.30
MPLH	66.3	254	Sg	7:33:56.36	-1.59
MORH	126.3	171	Pg	7:33:59.67	0.24
			Sg	34:15.02	-2.01
PKSM	126.7	171	Pg	7:33:59.85	0.35

1429.  


---

 2024-09-17 time: 8:02:49.94 UTC ML= 0.9  
 lat: 48.010N lon: 16.128E h= 0.0 km  
 erh= 4.1km erz= 462km  
 nr= 5 gap=253 rms=0.21  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	21.8	245	Pg	8:02:54.00	0.16
			Sg	02:56.46	-0.42
RONA	36.7	160	Pg	8:02:56.68	0.17
			Sg	03:01.70	0.08
SOP	48.6	138	Pg	8:02:58.42	-0.20

1430.  


---

 2024-09-17 time: 9:26:28.06 UTC ML= 1.9  
 lat: 48.831N lon: 21.578E h= 0.0 km  
 erh= 1.9km erz= 2.5km  
 nr= 14 gap=132 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	52.3	77	Pg	9:26:38.09	0.69
			Sg	26:44.36	-0.31
ABAH	64.5	203	Pg	9:26:40.10	0.52
			Sg	26:47.46	-1.11
KECS	89.3	244	Pg	9:26:44.65	0.65
			Sg	26:56.23	-0.21
TRPA	105.5	138	Pg	9:26:46.55	-0.35
			Sg	27:01.32	-0.27
NIE	113.1	305	Pg	9:26:48.66	0.40
			Sg	27:03.43	-0.58

LANS 158.5 283 Sn 9:27:13.82 -1.93  
 PSZ 160.8 231 Pn 9:26:55.23 0.09  
 Sn 27:15.00 -1.27  
 LTVH 162.6 171 Sn 9:27:17.10 0.43

1431.  


---

 2024-09-17 time: 10:03:17.60 UTC ML= 0.6  
 lat: 47.869N lon: 16.078E h= 0.0 km  
 erh= 1.1km erz= 2.1km  
 nr= 6 gap=129 rms=0.64  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.5	292	Pg	10:03:21.20	0.48
			Sg	03:23.12	-0.04
RONA	24.9	139	Pg	10:03:22.39	0.34
			Sg	03:25.59	0.06
ARSA	80.4	211	Sg	10:03:42.59	-0.58
KRUC	134.7	10	Sn	10:03:58.12	-1.90

1432.  


---

 2024-09-17 time: 13:45:34.98 UTC ML= 0.7  
 lat: 47.903N lon: 16.083E h= 0.0 km  
 erh= 2.5km erz= 3.8km  
 nr= 7 gap=131 rms=1.03  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.8	280	Pg	13:45:38.72	0.74
			Sg	45:41.37	1.04
RONA	27.7	145	Pg	13:45:40.45	0.53
			Sg	45:43.83	0.05
ARSA	83.9	210	Sg	13:45:59.73	-1.93
KRUC	130.9	10	Sn	13:46:14.72	-1.83
VRAC	160.7	14	Sn	13:46:22.31	-0.86

1433.  


---

 2024-09-17 time: 15:42:22.85 UTC ML= 1.2  
 lat: 45.833N lon: 18.215E h= 16.9 km  
 erh= 2.2km erz= 0.9km  
 nr= 13 gap=196 rms=0.33  
 Locality: Ipacsfa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	6.8	25	PgD	15:42:25.88	-0.22
			Sg	42:28.30	-0.33
KOVH	29.8	342	PgD	15:42:29.04	0.08
			Sg	42:33.45	-0.27
PKSM	53.5	38	Pg	15:42:33.14	0.27
			Sg	42:40.99	0.31
MORH	54.0	38	Pg	15:42:33.35	0.40
			Sg	42:40.49	-0.34
PKB3	100.2	49	Pn	15:42:40.23	0.00
			Sn	42:53.11	-0.67
R93E	114.6	245	Pn	15:42:42.42	0.40
MOSL	116.3	258	Pn	15:42:42.06	-0.18
			Sn	42:56.13	-1.23

1434.  


---

 2024-09-18 time: 1:35:16.48 UTC ML= 1.0  
 lat: 45.878N lon: 22.212E h= 28.0 km  
 erh= 2.0km erz= 1.2km  
 nr= 8 gap=143 rms=0.27  
 Locality: Romania  
 Comments:

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
SURR	15.3	206	PgU	1:35:22.47	0.53
			Sg	35:25.92	-0.28
BZS	54.6	238	Pg	1:35:26.58	-0.28
			Sg	35:34.77	-0.19
GZR	69.6	141	Sn	1:35:38.60	-0.03
BANR	100.4	237	Sn	1:35:45.69	0.22
DRGR	108.6	21	Pn	1:35:33.76	-0.04
			Sn	35:47.29	-0.02

1435.

2024-09-18 time: 6:26:03.93 UTC ML= 1.8  
 lat: 47.825N lon: 19.094E h= 0.0 km  
 erh= 6.7km erz= \*\*\*km  
 nr= 8 gap=209 rms=0.85  
 Locality: Verőce  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.5	105	Pg	6:26:06.82	0.29
			Sg	26:08.56	0.01
PSZ	60.8	80	Pg	6:26:14.59	-0.19
			Sg	26:21.99	-1.25
CSKK	81.0	231	Pg	6:26:19.61	1.21
			Sg	26:28.11	-1.58
PKB1	117.9	191	Pg	6:26:25.55	0.57
			Sg	26:40.27	-1.14

1436.

2024-09-18 time: 7:34:59.90 UTC ML= 2.1  
 lat: 46.843N lon: 17.302E h= 0.0 km  
 erh= 2.0km erz= 851km  
 nr= 20 gap=121 rms=0.76  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	40.6	26	Pg	7:35:07.59	0.44
			Sg	35:12.41	-0.40
TIH	45.5	82	Pg	7:35:09.14	1.12
EGYH	63.9	2	Pg	7:35:11.79	0.48
			Sg	35:19.19	-1.02
PKST	72.3	50	Pg	7:35:12.70	-0.12
			Sg	35:22.39	-0.50
PKS9	79.9	111	Sg	7:35:25.41	0.12
KOGS	91.7	241	Pg	7:35:16.54	0.26
			Sg	35:27.51	-1.54
CSKK	92.9	51	Pg	7:35:17.00	0.51
			Sg	35:28.42	-1.02
PKSG	102.7	54	Pg	7:35:19.01	0.77
			Sg	35:31.07	-1.47
KOVH	103.8	144	Pg	7:35:18.92	0.48
			Sg	35:32.72	-0.18
MORH	124.3	124	Pg	7:35:21.84	-0.25
			Sg	35:36.74	-2.67
PKSM	124.4	124	Pg	7:35:22.21	0.10
			Sg	35:37.38	-2.05

1437.

2024-09-18 time: 8:21:32.97 UTC ML= 1.6  
 lat: 46.039N lon: 22.799E h= 0.0 km  
 erh= 3.6km erz= \*\*\*km  
 nr= 8 gap=160 rms=0.75  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.1	155	Pg	8:21:36.24	-0.15
			Sg	21:38.68	-0.38
SURR	61.2	239	Pg	8:21:45.03	1.13
			Sg	21:51.77	-0.65
DRGR	83.9	355	Pg	8:21:48.36	0.40

sta	dist	azm	phase	hr mn sec	res
BZS	103.2	243	Pg	8:21:51.74	0.34
			Sg	22:04.63	-1.14

1438.

2024-09-18 time: 8:25:16.38 UTC ML= 1.0  
 lat: 47.977N lon: 16.073E h= 0.0 km  
 erh= 3.0km erz= 883km  
 nr= 7 gap=140 rms=0.59  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.7	251	Pg	8:25:19.78	0.42
			Sg	25:22.07	0.39
RONA	35.1	152	Pg	8:25:23.00	0.36
			Sg	25:27.34	-0.19
ARSA	90.7	207	Sg	8:25:44.00	-1.22
KRUC	123.0	11	Pg	8:25:38.43	0.09
			Sg	25:54.14	-1.33

1439.

2024-09-18 time: 9:33:38.07 UTC ML= 1.7  
 lat: 46.809N lon: 17.314E h= 0.0 km  
 erh= 2.3km erz= 820km  
 nr= 8 gap=139 rms=0.58  
 Locality: Lesencefalu  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	43.7	23	Pg	9:33:46.50	0.62
			Sg	33:52.16	0.20
PKST	74.2	48	Sg	9:34:01.21	-0.45
KOGS	90.8	244	Sg	9:34:06.33	-0.59
CSKK	94.7	49	Sg	9:34:07.70	-0.48
KOVH	100.3	143	Sg	9:34:10.99	1.04
PKB5	111.3	102	Sg	9:34:12.93	-0.52
MORH	121.5	123	Sg	9:34:16.31	-0.39

1440.

2024-09-18 time: 9:38:27.40 UTC ML= 1.7  
 lat: 48.720N lon: 20.721E h= 0.0 km  
 erh= 5.1km erz= \*\*\*km  
 nr= 9 gap=125 rms=1.21  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	31.5	213	Pg	9:38:33.98	0.96
			Sg	38:37.77	0.37
ABAH	60.7	141	Pg	9:38:38.48	0.24
			Sg	38:44.47	-2.23
NIE	83.3	339	Sg	9:38:51.74	-2.13
PSZ	108.1	215	Pg	9:38:47.60	0.90
			Sg	38:59.96	-1.80
KOLS	116.4	78	Pg	9:38:49.22	1.03
			Sg	39:03.25	-1.16

1441.

2024-09-18 time: 9:59:53.44 UTC ML= 1.7  
 lat: 48.125N lon: 16.914E h= 0.0 km  
 erh= 3.6km erz= 4.8km  
 nr= 12 gap=180 rms=0.74  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	38.7	44	Pg	9:59:59.83	-0.52
			Sg	10:00:04.58	-1.15
RONA	66.0	224	Pg	9:60:05.36	0.13

## Hypocenter Parameters

## Földrengés paraméterek

Sg 60:13.35 -1.08  
 CONA 81.4 254 Pg 9:60:08.73 0.75  
 Sg 60:18.88 -0.45  
 JAVC 99.0 34 Pg 9:60:12.41 1.29  
 Sg 60:24.57 -0.34  
 KRUC 111.0 340 Pg 9:60:13.76 0.50  
 Sg 60:27.68 -1.05  
 ARSA 142.6 227 Pn 9:60:18.51 0.25  
 Sn 60:36.97 -0.65

1442.

2024-09-18 time: 10:02:00.40 UTC ML= 0.9  
 lat: 47.194N lon: 18.252E h= 0.0 km  
 erh= 1.9km erz= 660km  
 nr= 9 gap=139 rms=0.50  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	18.0	294	Pg	10:02:04.39			0.78
			Sg	02:06.07			-0.05
CSKK	18.8	2	Pg	10:02:04.07			0.31
			Sg	02:06.08			-0.31
PKSG	24.4	25	Pg	10:02:04.85			0.10
			Sg	02:07.47			-0.68
MPLH	54.1	267	Sg	10:02:16.54			-1.04
MORH	112.8	165	Sg	10:02:36.10			-0.14
PKSM	113.1	165	Sg	10:02:36.05			-0.31

1443.

2024-09-18 time: 11:45:20.60 UTC ML= 1.5  
 lat: 47.843N lon: 19.091E h= 0.0 km  
 erh= 4.7km erz= 816km  
 nr= 6 gap=185 rms=0.48  
 Locality: Szendehegy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	15.4	112	Pg	11:45:23.71			0.36
			Sg	45:25.34			-0.15
PSZ	60.6	82	Pg	11:45:31.93			0.50
			Sg	45:38.89			-0.99
PKST	102.7	231	Sg	11:45:52.59			-0.66
KECS	125.8	56	Pg	11:45:43.00			-0.06

1444.

2024-09-19 time: 1:16:39.10 UTC ML= 0.8  
 lat: 46.458N lon: 16.907E h= 11.7 km  
 erh= 3.6km erz= 2.3km  
 nr= 11 gap=113 rms=0.93  
 Locality: Sormás  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	10.2	277	Pg	1:16:42.03			0.15
			Sg	16:44.99			0.95
KOGS	50.4	269	Sg	1:16:56.28			0.72
RCF6	74.2	259	Sg	1:17:02.15			-0.82
MPLH	92.7	31	Sg	1:17:08.18			-0.62
MOSL	94.7	187	Sg	1:17:08.14			-1.28
GROS	107.9	270	Sn	1:17:11.05			-1.86
CRES	132.3	238	Sn	1:17:20.18			1.87
PKSM	136.4	102	Pn	1:17:02.31			0.67
			Sn	17:18.81			-0.41
PERS	138.7	278	Sn	1:17:19.88			0.14

1445.

2024-09-19 time: 7:29:53.70 UTC ML= 1.3  
 lat: 48.548N lon: 17.441E h= 0.0 km  
 erh= 1.9km erz= 463km  
 nr= 9 gap=167 rms=0.38  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	3.9	193	PgU	7:29:53.99			-0.41
			Sg	29:54.54			-0.41
MODS	22.9	212	Pg	7:29:57.92			0.14
			Sg	30:00.93			-0.04
JAVC	38.5	26	Pg	7:30:00.70			0.13
			Sg	30:05.73			-0.20
KRUC	95.7	307	Sg	7:30:24.33			0.21
RONA	127.1	222	Pg	7:30:16.96			0.56
			Sg	30:31.57			-2.54

1446.

2024-09-19 time: 7:45:53.94 UTC ML= 1.8  
 lat: 48.438N lon: 17.229E h= 0.0 km  
 erh= 2.1km erz= 2.9km  
 nr= 29 gap= 78 rms=1.18  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.0	154	PgU	7:45:55.88			0.51
			Sg	45:57.25			0.77
SMOL	17.0	60	Pg	7:45:57.66			0.69
			Sg	46:00.72			1.39
JAVC	57.0	35	Pg	7:46:04.84			0.72
			Sg	46:09.25			-2.81
KRUC	92.6	319	Pg	7:46:10.63			0.15
			Sg	46:22.16			-1.21
SOP	97.7	211	Sg	7:46:25.76			0.76
VRAC	107.4	334	Pg	7:46:13.78			0.66
			Sg	46:28.19			0.10
RONA	107.6	220	Pg	7:46:13.90			0.74
			Sg	46:27.13			-1.01
EGYH	113.8	176	Sg	7:46:29.23			-0.88
CONA	116.5	241	Pg	7:46:14.60			-0.13
			Sg	46:29.40			-1.55
ZBNS	129.5	53	Pg	7:46:17.98			0.92
			Sg	46:33.30			-1.79
CSKK	142.2	147	Sn	7:46:35.19			-2.84
MPLH	142.9	171	Pn	7:46:18.78			-0.01
			Sn	46:35.82			-2.35
PKST	144.3	155	Pn	7:46:18.88			-0.08
			Sn	46:36.18			-2.30
PKSG	145.2	143	Pn	7:46:20.48			1.41
			Sn	46:36.63			-2.04
MORC	150.6	9	Pn	7:46:20.01			0.26
			Sn	46:38.35			-1.54
PENC	168.9	115	Pn	7:46:24.39			2.35
			Sn	46:41.96			-1.99

1447.

2024-09-19 time: 8:04:14.18 UTC ML= 1.0  
 lat: 47.249N lon: 18.222E h= 0.0 km  
 erh= 7.0km erz= 891km  
 nr= 7 gap=222 rms=0.59  
 Locality: Bakonykúti  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	13.0	13	Pg	8:04:16.79			0.28
			Sg	04:18.50			0.17
PKST	14.3	275	Pg	8:04:17.33			0.60
			Sg	04:18.87			0.15
PKSG	20.4	39	Pg	8:04:17.78			-0.04

## Földrengés paraméterek

## Hypocenter Parameters

MPLH 52.5 260 Sg 04:19.56 -1.10  
 Sg 8:04:29.49 -1.37

1448.

2024-09-19 time: 8:23:08.43 UTC ML= 1.5  
 lat: 47.236N lon: 18.242E h= 0.0 km  
 erh= 2.9km erz= 7.7km  
 nr= 12 gap=106 rms=0.91  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.2	6	PgU	8:23:11.70	0.74
			Sg	23:13.05	0.11
PKST	15.9	279	PgU	8:23:10.94	-0.34
			Sg	23:13.14	-0.36
PKSG	20.6	33	Pg	8:23:12.56	0.45
			Sg	23:15.08	0.09
MPLH	53.7	262	Pg	8:23:18.37	0.34
			Sg	23:24.99	-0.52
PKS9	72.2	178	Pg	8:23:23.23	1.90
PKSM	117.9	165	Pg	8:23:28.54	-0.94
			Sg	23:43.18	-2.72
PSZ	145.6	59	Pn	8:23:32.73	-0.89

1449.

2024-09-19 time: 8:54:33.65 UTC ML= 1.8  
 lat: 48.334N lon: 19.870E h= 0.0 km  
 erh= 1.8km erz= 661km  
 nr= 12 gap=108 rms=0.54  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	46.2	178	Pg	8:54:42.41	0.51
			Sg	54:47.53	-0.81
KECS	48.5	70	Pg	8:54:42.30	0.00
			Sg	54:48.97	-0.09
PENC	74.7	216	Pg	8:54:47.09	0.11
			Sg	54:57.07	-0.31
LANS	95.5	342	Pg	8:54:51.36	0.65
			Sg	55:03.34	-0.67
NIE	125.0	15	Pg	8:54:56.23	0.27
			Sg	55:12.02	-1.35
ZBNS	126.8	315	Pg	8:54:56.53	0.24
			Sg	55:12.56	-1.39

1450.

2024-09-19 time: 11:15:36.10 UTC ML= 0.7  
 lat: 47.854N lon: 16.031E h= 0.0 km  
 erh= 0.5km erz= 102km  
 nr= 5 gap=188 rms=0.05  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.2	303	Pg	11:15:38.79	-0.02
			Sg	15:40.93	0.01
RONA	26.2	131	Pg	11:15:40.84	0.06
			Sg	15:44.35	-0.08
ARSA	77.2	210	Sg	11:16:00.65	0.01

1451.

2024-09-19 time: 11:26:06.77 UTC ML= 0.8  
 lat: 47.890N lon: 16.077E h= 0.0 km  
 erh= 4.1km erz= 7.2km  
 nr= 7 gap=112 rms=1.10  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.6	285	Pg	11:26:10.60	0.86
			Sg	26:12.16	0.10
RONA	26.8	142	Pg	11:26:12.61	1.06
			Sg	26:15.12	-0.17
SOP	42.8	123	Sg	11:26:19.78	-0.58
ARSA	82.4	210	Sg	11:26:31.70	-1.27
KRUC	132.4	10	Sn	11:26:46.08	-2.59

1452.

2024-09-20 time: 4:33:13.08 UTC ML= 1.3  
 lat: 45.729N lon: 20.770E h= 15.7 km  
 erh= 2.5km erz= 1.8km  
 nr= 6 gap=159 rms=0.19  
 Locality: Serbia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	47.9	143	Pg	4:33:21.95	-0.14
			Sg	33:29.21	0.10
BZS	67.1	101	Pg	4:33:25.69	0.29
			Sg	33:34.70	-0.30
SURR	105.5	88	Sn	4:33:45.51	0.07
PKB3	144.3	302	Pn	4:33:36.00	-0.10

1453.

2024-09-20 time: 6:54:41.87 UTC ML= 1.8  
 lat: 48.788N lon: 18.238E h= 0.0 km  
 erh= 6.3km erz= 4.9km  
 nr= 11 gap=192 rms=1.25  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
JAVC	42.4	281	Pg	6:54:50.19	0.74
			Sg	54:55.26	-0.10
ZBNS	48.5	38	Sg	6:54:56.46	-0.82
MODS	84.6	237	Pg	6:54:58.10	1.13
			Sg	55:07.65	-1.10
MORC	121.1	335	Pg	6:55:04.77	1.28
			Sg	55:17.68	-2.67
VRAC	133.4	296	Pn	6:55:05.62	0.08
			Sn	55:21.30	-2.70
KRLC	177.9	324	Sn	6:55:34.93	1.05
RONA	188.3	230	Sn	6:55:34.93	-1.25

1454.

2024-09-20 time: 8:41:46.07 UTC ML= 1.8  
 lat: 47.623N lon: 18.495E h= 0.0 km  
 erh= 2.3km erz= 2.8km  
 nr= 26 gap= 97 rms=1.33  
 Locality: Tarján  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	25.2	327	Pg	8:41:51.53	0.96
			Sg	41:54.20	0.12
PKSG	26.9	197	Pg	8:41:52.28	1.41
			Sg	41:54.30	-0.32
CSKK	33.9	211	Pg	8:41:53.36	1.24
			Sg	41:56.31	-0.53
BUD	42.7	111	Sg	8:41:59.72	0.07
PKST	53.3	221	Pg	8:41:57.37	1.77
			Sg	42:02.39	-0.64
PENC	61.9	72	Pg	8:41:57.95	0.82
			Sg	42:04.61	-1.14
PKS7	81.4	142	Sg	8:42:11.19	-0.76
MPLH	88.0	235	Pg	8:42:03.82	2.03
EGYH	90.6	255	Pg	8:42:04.09	1.84
			Sg	42:13.91	-0.95
PKB1	95.9	166	Sg	8:42:15.31	-1.25
MODS	123.4	313	Pg	8:42:06.87	-1.24

## Hypocenter Parameters

## Földrengés paraméterek

		Sg	42:21.20	-4.10	
JAVC	150.5	336	Sn	8:42:31.48	-0.51
MORH	156.8	176	Pn	8:42:12.74	0.07
		Sn	42:31.11	-2.30	
PKSM	157.3	176	Pn	8:42:12.47	-0.25
		Sn	42:31.56	-1.94	
S9BD	157.6	177	Pn	8:42:12.19	-0.57
		Sn	42:31.18	-2.40	
RONA	165.4	273	Sn	8:42:32.99	-2.31

1455.

2024-09-20 time: 11:01:31.06 UTC ML= 1.2  
 lat: 47.487N lon: 18.684E h= 0.0 km  
 erh= 6.9km erz= 9.2km  
 nr= 9 gap=199 rms=1.05  
 Locality: Herceghalom  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	24.5	244	Pg	11:01:36.79	1.35
			Sg	01:38.56	-0.28
CSKK	34.7	247	Pg	11:01:37.92	0.65
			Sg	01:41.62	-0.49
SRO	45.7	323	Sg	11:01:44.18	-1.43
PKST	55.2	243	Pg	11:01:41.48	0.56
			Sg	01:47.69	-0.91
PKB3	124.4	162	Sg	11:02:07.91	-2.70
PKSM	141.8	181	Sn	11:02:14.47	-0.58

1456.

2024-09-20 time: 21:50:10.99 UTC ML= 0.3  
 lat: 47.331N lon: 18.215E h= 2.3 km  
 erh= 5.1km erz= 5.2km  
 nr= 5 gap=177 rms=0.21  
 Locality: Bodajk  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	5.0	44	PgD	21:50:12.26	0.28
			Sg	50:12.59	-0.16
PKSG	14.9	63	Pg	21:50:13.74	0.05
			Sg	50:15.59	-0.21
PKST	15.8	240	Sg	21:50:15.79	-0.28

1457.

2024-09-21 time: 23:58:47.34 UTC ML= 1.6  
 lat: 48.681N lon: 22.246E h= 10.0 km  
 erh= 3.2km erz= 3.8km  
 nr= 8 gap=156 rms=0.61  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	28.1	4	Pg	23:58:52.30	-0.36
			Sg	58:56.84	0.03
TRPA	65.0	161	Pg	23:58:58.93	-0.16
			Sg	59:09.16	0.91
ABAH	85.9	240	Pg	23:59:03.32	0.54
			Sg	59:14.07	-0.75
KECS	131.8	260	Sn	23:59:27.48	0.65
LTVH	146.5	190	Sn	23:59:28.31	-1.78

1458.

2024-09-22 time: 5:16:35.12 UTC ML= 0.3  
 lat: 47.369N lon: 18.659E h= 14.5 km  
 erh= 1.3km erz= 1.2km  
 nr= 12 gap=126 rms=0.41  
 Locality: Vâl  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	20.4	277	Pg	5:16:39.89	0.30
			Sg	16:43.47	0.39
CSKK	30.1	269	Sg	5:16:45.92	0.18
PKST	48.8	255	Sg	5:16:51.33	0.04
SRO	55.8	332	Sg	5:16:52.66	-0.79
PKB1	65.8	171	Sg	5:16:56.34	-0.19
PENC	66.3	45	Sg	5:16:56.66	-0.02
PKB5	86.2	176	S*	5:17:02.30	-0.42
MPLH	87.5	255	S*	5:17:02.23	-0.84
PKB4	97.1	182	S*	5:17:06.22	0.56
MORH	128.2	180	Sn	5:17:13.07	0.29
PKSM	128.7	181	Sn	5:17:12.89	0.01

1459.

2024-09-23 time: 7:36:32.36 UTC ML= 0.9  
 lat: 46.138N lon: 18.070E h= 0.0 km  
 erh= 1.9km erz= 265km  
 nr= 9 gap=282 rms=0.21  
 Locality: Abaliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.0	157	Pg	7:36:33.46	0.03
			Sg	36:34.52	0.25
PKSV	31.1	153	Pg	7:36:37.75	-0.17
			Sg	36:41.94	-0.31
S9BD	42.0	79	Pg	7:36:39.82	-0.05
PKSM	44.9	79	Pg	7:36:40.41	0.03
			Sg	36:46.50	-0.13
MORH	45.2	79	Pg	7:36:40.88	0.45
			Sg	36:46.50	-0.22

1460.

2024-09-23 time: 8:43:10.29 UTC ML= 1.4  
 lat: 46.186N lon: 18.278E h= 0.0 km  
 erh= 0.6km erz= 108km  
 nr= 10 gap=212 rms=0.09  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.6	232	Pg	8:43:13.45	0.03
			Sg	43:15.99	0.12
S9BD	25.3	85	Pg	8:43:14.93	0.12
			Sg	43:18.47	0.13
PKSM	28.2	84	Pg	8:43:15.34	0.02
			Sg	43:19.10	-0.14
MORH	28.4	83	Pg	8:43:15.25	-0.11
			Sg	43:19.27	-0.05
PKSV	33.1	184	Pg	8:43:16.16	-0.05
			Sg	43:20.75	-0.07

1461.

2024-09-23 time: 8:49:32.49 UTC ML= 1.6  
 lat: 48.632N lon: 21.399E h= 0.0 km  
 erh= 2.0km erz= 3.4km  
 nr= 12 gap=105 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	39.2	197	Pg	8:49:39.61	0.12
			Sg	49:45.26	0.31
KECS	69.4	256	Pg	8:49:45.04	0.16
			Sg	49:53.86	-0.69
KOLS	72.4	63	Pg	8:49:45.72	0.30
			Sg	49:54.59	-0.92
TRPA	101.3	123	Pg	8:49:51.41	0.84
			Sg	50:03.28	-1.39
NIE	118.1	318	Pg	8:49:53.74	0.16
PSZ	137.0	235	Pn	8:49:56.42	-0.18



## Földrengés paraméterek

## Hypocenter Parameters

LTVH 143.7 165 Sn 50:12.42 -3.00\*  
 Sn 8:50:16.84 -0.06

1462.

2024-09-23 time: 11:10:57.52 UTC ML= 1.9  
 lat: 48.634N lon: 19.093E h= 0.0 km  
 erh= 2.4km erz= 3.7km  
 nr= 21 gap= 60 rms=1.15  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	63.6	26	Pg	11:11:09.01	0.13
			Sg	11:16.43	-1.32
ZBNS	64.6	329	Pg	11:11:09.86	0.80
			Sg	11:16.96	-1.11
PENC	94.9	172	Sg	11:11:27.88	0.20
PSZ	99.4	143	Pg	11:11:16.64	1.37
			Sg	11:28.51	-0.60
KECS	104.1	99	Pg	11:11:16.64	0.52
			Sg	11:28.72	-1.91
JAVC	107.6	283	Pg	11:11:18.34	1.61
			Sg	11:30.01	-1.71
SMOL	123.6	264	Sg	11:11:35.09	-1.71
NIE	124.8	46	Pg	11:11:19.50	-0.30
			Sg	11:35.82	-1.36
BUD	128.1	182	Sg	11:11:36.36	-1.87
PKSG	147.8	201	Pn	11:11:23.74	0.76
			Sn	11:41.98	-0.86
CSKK	154.4	204	Sn	11:11:43.04	-1.27
ABAH	163.1	103	Pn	11:11:26.39	1.50
			Sn	11:45.79	-0.46
OJC	183.6	16	Sn	11:11:52.37	1.59

1463.

2024-09-23 time: 21:54:07.02 UTC ML=-0.3  
 lat: 47.384N lon: 18.428E h= 4.2 km  
 erh= 3.4km erz= 1.6km  
 nr= 5 gap=319 rms=0.09  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	2.9	286	PgD	21:54:07.93	0.00
			Sg	54:08.60	-0.05
CSKK	12.9	259	Pg	21:54:09.44	0.00
			Sg	54:11.57	0.25
PKST	32.9	245	Sg	21:54:17.45	-0.10

1464.

2024-09-24 time: 1:19:23.29 UTC ML= 0.9  
 lat: 45.538N lon: 21.186E h= 15.6 km  
 erh= 2.7km erz= 1.3km  
 nr= 5 gap=207 rms=0.06  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	17.7	193	PgU	1:19:27.50	-0.01
			Sg	19:30.74	-0.06
BZS	34.7	75	PgD	1:19:30.18	0.09
			Sg	19:35.32	-0.07
DRGR	182.5	40	Sn	1:20:12.70	-0.07

1465.

2024-09-24 time: 6:53:31.24 UTC ML= 1.7  
 lat: 46.070N lon: 22.816E h= 0.0 km  
 erh= 3.7km erz= 901km  
 nr= 6 gap=168 rms=0.54  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	21.9	162	PgU	6:53:35.45	0.31
			Sg	53:37.50	-0.68
DRGR	80.6	354	Pg	6:53:45.65	0.02
			Sg	53:55.92	-0.94
BZS	105.9	242	Pg	6:53:50.85	0.70
			Sg	54:04.43	-0.47

1466.

2024-09-24 time: 8:12:29.79 UTC ML= 0.5  
 lat: 47.906N lon: 16.026E h= 4.9 km  
 erh= 2.4km erz= 2.7km  
 nr= 8 gap=117 rms=0.51  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CONA	12.6	281	Pg	8:12:31.95	-0.25
			Sg	12:34.64	0.56
WINA	22.7	9	Pg	8:12:33.49	-0.44
			Sg	12:37.79	0.63
RONA	30.6	139	Pg	8:12:34.75	-0.58
			Sg	12:40.22	0.58
MPLH	140.3	126	Sn	8:13:12.36	0.04
SOKA	155.9	209	Sn	8:13:16.65	0.87

1467.

2024-09-24 time: 9:46:20.97 UTC ML= 0.9  
 lat: 47.891N lon: 16.077E h= 0.0 km  
 erh= 1.3km erz= 2.2km  
 nr= 7 gap=142 rms=0.40  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.6	284	Pg	9:46:24.01	0.07
			Sg	46:26.15	-0.10
RONA	26.9	142	Pg	9:46:25.88	0.11
			Sg	46:29.09	-0.43
SMOL	122.0	55	Pg	9:46:43.34	0.57
KRUC	132.3	10	Pn	9:46:44.27	-0.23
			Sn	47:01.20	-1.66

1468.

2024-09-24 time: 10:34:58.26 UTC ML= 1.9  
 lat: 47.325N lon: 18.434E h= 0.0 km  
 erh= 1.8km erz= 740km  
 nr= 10 gap= 87 rms=0.59  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.2	336	PgU	10:34:59.82	0.11
			Sg	35:00.34	-0.51
CSKK	13.8	288	PgU	10:35:01.08	0.36
			Sg	35:02.23	-0.42
PKST	31.1	256	Sg	10:35:07.82	-0.33
BUD	47.9	68	Sg	10:35:14.34	0.86
PKB1	65.9	156	Sg	10:35:20.25	1.03
MORH	124.3	173	Sg	10:35:37.44	-0.33
PKSM	124.7	173	Sg	10:35:37.56	-0.34
PSZ	128.1	59	Sg	10:35:37.45	-1.52

## Hypocenter Parameters

## Földrengés paraméterek

1469.

2024-09-24 time: 10:37:27.01 UTC ML= 1.3  
 lat: 45.925N lon: 16.058E h= 10.0 km  
 erh= 4.8km erz= 4.1km  
 nr= 6 gap=226 rms=0.34  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	8.2	250	Pg	10:37:29.51			0.19
			Sg	37:30.60			-0.53
ZAG	11.8	205	Pg	10:37:30.05			0.28
			Sg	37:32.17			0.24
CRES	48.0	257	Sg	10:37:42.42			-0.16
MOSL	64.3	123	Sg	10:37:47.10			-0.60

1470.

2024-09-24 time: 10:49:21.91 UTC ML= 1.2  
 lat: 47.601N lon: 18.420E h= 0.0 km  
 erh= 3.8km erz= 3.4km  
 nr= 11 gap=198 rms=0.63  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	23.4	185	Pg	10:49:26.67			0.58
			Sg	49:29.91			0.57
CSKK	29.1	204	Pg	10:49:27.40			0.30
			Sg	49:31.00			-0.15
PKST	47.9	217	Pg	10:49:30.64			0.17
			Sg	49:36.65			-0.49
MPLH	82.0	234	Pg	10:49:37.01			0.46
			Sg	49:46.42			-1.54
PSZ	116.0	72	Sg	10:49:57.50			-1.29
MORH	154.9	174	Sn	10:50:08.05			-0.77
PKSM	155.3	174	Sn	10:50:08.37			-0.54

1471.

2024-09-24 time: 23:27:55.75 UTC ML= 0.5  
 lat: 47.354N lon: 18.464E h= 2.2 km  
 erh= 0.7km erz= 2.8km  
 nr= 6 gap=175 rms=0.18  
 Locality: Csákvár  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.0	308	Pg	23:27:57.11			0.06
			Sg	27:57.62			-0.45
CSKK	15.4	274	Pg	23:27:58.70			0.17
			Sg	28:00.51			-0.18
PKST	34.1	252	Sg	23:28:06.63			0.01
PKS7	62.8	123	Sg	23:28:15.76			0.03

1472.

2024-09-25 time: 1:32:00.58 UTC ML= 0.7  
 lat: 45.741N lon: 21.816E h= 10.0 km  
 erh= 1.2km erz= 1.0km  
 nr= 7 gap=142 rms=0.26  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	20.7	228	Pg	1:32:04.68			-0.02
			Sg	32:07.84			-0.06
SURR	24.1	86	Pg	1:32:05.31			0.06
			Sg	32:08.76			-0.12
TIM	46.3	269	Sg	1:32:14.98			-0.66
BANR	66.4	233	Sg	1:32:22.45			0.54
DRGR	135.7	31	Sn	1:32:41.06			0.11

1473.

2024-09-25 time: 8:42:27.54 UTC ML= 1.7  
 lat: 48.549N lon: 20.728E h= 0.0 km  
 erh= 6.3km erz= \*\*\*km  
 nr= 8 gap=152 rms=1.24  
 Locality: Bódvaszilás  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	19.3	248	Pg	8:42:30.52			-0.47
			Sg	42:34.09			0.40
PSZ	93.6	221	Pg	8:42:45.38			1.13
			Sg	42:56.36			-0.92
NIE	101.3	343	Pg	8:42:47.36			1.72
			Sg	42:58.92			-0.84
LANS	114.1	306	Sg	8:43:00.44			-3.37
KOLS	121.4	69	Pg	8:42:48.58			-0.65

1474.

2024-09-25 time: 8:44:31.89 UTC ML= 2.0  
 lat: 48.876N lon: 20.494E h= 0.0 km  
 erh= 3.8km erz= 4.6km  
 nr= 10 gap=100 rms=1.10  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	43.7	181	Pg	8:44:40.11			0.41
			Sg	44:46.18			0.39
NIE	61.8	348	Pg	8:44:44.92			1.99
			Sg	44:51.19			-0.34
LANS	81.1	292	Pg	8:44:46.38			0.01
			Sg	44:56.84			-0.82
PSZ	115.4	203	Pg	8:44:52.86			0.36
			Sg	45:07.29			-1.29
KOLS	130.6	87	Sn	8:45:10.91			-2.48
PENC	150.5	217	Sn	8:45:16.55			-1.27

1475.

2024-09-25 time: 8:54:31.37 UTC ML= 1.5  
 lat: 46.043N lon: 22.805E h= 0.0 km  
 erh= 2.9km erz= 836km  
 nr= 8 gap=162 rms=0.60  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	19.3	157	Pg	8:54:34.99			0.18
			Sg	54:36.92			-0.58
SURR	61.8	239	Pg	8:54:43.52			1.12
			Sg	54:50.82			-0.19
DRGR	83.6	355	Pg	8:54:46.49			0.20
			Sg	54:56.73			-1.20
BZS	103.8	243	Pg	8:54:49.67			-0.23
			Sg	55:03.89			-0.46

1476.

2024-09-25 time: 11:37:51.23 UTC ML= 1.2  
 lat: 47.769N lon: 16.241E h= 13.9 km  
 erh= 1.5km erz= 1.0km  
 nr= 18 gap=103 rms=0.53  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	8.7	152	PgD	11:37:54.36			0.21
			Sg	37:56.05			-0.38
SOP	25.6	112	Pg	11:37:56.69			0.26
			Sg	37:59.81			-0.67

## Földrengés paraméterek

## Hypocenter Parameters

CONA 33.5 302 Pg 11:37:58.22 0.51  
 Sg 38:02.72 -0.04  
 WINA 39.7 342 Pg 11:37:59.13 0.39  
 Sg 38:04.47 -0.13  
 ARSA 79.0 223 Pg 11:38:05.64 0.08  
 Sg 38:15.29 -1.44  
 EGYH 90.8 115 S\* 11:38:19.37 -0.82  
 ABNA 116.9 329 Pn 11:38:11.19 0.12  
 Sn 38:24.36 -2.19  
 MPLH 118.3 124 Sn 11:38:27.70 0.83  
 KRUC 144.3 5 Pn 11:38:14.53 0.05  
 Sn 38:31.83 -0.79  
 PERS 152.1 214 Sn 11:38:35.03 0.68  
 VRAC 173.2 9 Sn 11:38:38.91 -0.13

1477.

2024-09-25 time: 11:40:03.33 UTC ML= 0.4  
 lat: 47.797N lon: 16.284E h= 7.5 km  
 erh= 3.1km erz= 5.9km  
 nr= 5 gap=187 rms=0.12  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	10.9	175	PgD	11:40:05.69	0.01
			Sg	40:07.54	0.02
SOP	24.1	122	Sg	11:40:11.31	-0.05
CONA	34.8	295	Pg	11:40:09.79	0.11
			Sg	40:14.31	-0.33

1478.

2024-09-25 time: 12:27:55.27 UTC ML= 1.3  
 lat: 45.729N lon: 21.827E h= 10.0 km  
 erh= 6.4km erz= 4.8km  
 nr= 8 gap=150 rms=0.63  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.6	233	Pg	12:27:59.04	-0.32
			Sg	28:02.07	-0.49
SURR	23.3	83	Pg	12:28:00.03	0.23
			Sg	28:02.70	-0.64
TIM	47.2	271	Sg	12:28:10.75	0.14
BANR	66.3	235	Sg	12:28:16.84	0.24
DRGR	136.4	30	Pn	12:28:19.26	1.23
			Sn	28:34.68	-1.10

1479.

2024-09-26 time: 7:02:55.37 UTC ML= 1.6  
 lat: 46.750N lon: 22.851E h= 0.0 km  
 erh= 3.9km erz= 2.5km  
 nr= 6 gap=274 rms=0.26  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	11.6	293	Pg	7:02:57.23	-0.22
			Sg	02:59.22	0.16
SURR	124.1	207	Pg	7:03:17.51	-0.03
			Sg	03:34.73	-0.10
BZS	158.0	217	Pn	7:03:22.63	0.52
			Sn	03:42.67	-0.29

1480.

2024-09-26 time: 8:06:59.23 UTC ML= 1.5  
 lat: 48.495N lon: 20.710E h= 0.0 km  
 erh= 3.9km erz= 609km  
 nr= 6 gap=214 rms=0.35  
 Locality: Bódvarákó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	16.7	265	Pg	8:07:01.99	-0.21
			Sg	07:04.86	0.34
ABAH	45.0	120	Pg	8:07:07.74	0.47
			Sg	07:13.12	-0.42
PSZ	88.3	223	Pg	8:07:14.65	-0.34
			Sg	07:27.55	0.26

1481.

2024-09-26 time: 12:21:07.60 UTC ML= 1.3  
 lat: 47.561N lon: 16.336E h= 0.0 km  
 erh= 2.1km erz= 4.6km  
 nr= 10 gap=190 rms=0.52  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	15.7	349	PgU	12:21:10.38	-0.02
			Sg	21:12.41	-0.17
SOP	21.5	51	Pg	12:21:11.47	0.03
			Sg	21:14.50	0.06
CONA	54.1	319	Pg	12:21:18.06	0.79
			Sg	21:24.64	-0.17
ARSA	70.4	241	Pg	12:21:20.57	0.39
			Sg	21:28.88	-1.11
KRUC	166.9	1	Pn	12:21:34.78	-0.67
			Sn	21:54.33	-2.84*

1482.

2024-09-26 time: 12:36:56.75 UTC ML= 1.6  
 lat: 46.306N lon: 22.976E h= 0.0 km  
 erh= 9.7km erz= \*\*\*km  
 nr= 7 gap=207 rms=0.97  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	47.3	187	Sg	12:37:10.13	-1.67
DRGR	57.7	339	PgU	12:37:07.22	0.17
			Sg	37:14.40	-0.68
SURR	90.1	227	Pg	12:37:14.48	1.64
			Sg	37:24.98	-0.40
BZS	130.3	234	Pg	12:37:20.04	0.02
			Sg	37:37.21	-0.96

1483.

2024-09-27 time: 8:39:04.06 UTC ML= 1.9  
 lat: 48.659N lon: 18.720E h= 0.0 km  
 erh= 4.4km erz= 3.6km  
 nr= 13 gap=197 rms=0.81  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZBNS	53.1	354	Pg	8:39:12.91	-0.63
			Sg	39:19.39	-1.55
LANS	77.4	45	Pg	8:39:18.37	0.48
			Sg	39:28.59	-0.09
PENC	105.2	157	Pg	8:39:23.07	0.22
			Sg	39:36.64	-0.86
PSZ	119.9	133	Pg	8:39:26.24	0.77
			Sg	39:41.40	-0.78

## Hypocenter Parameters

KECS 131.8 99 Pn 8:39:27.76 0.23  
 Sn 39:43.91 -1.92  
 NIE 143.9 54 Pn 8:39:30.42 1.38  
 Sn 39:48.26 -0.27  
 OJC 190.4 24 Sn 8:39:59.55 0.71

1484.

2024-09-27 time: 10:33:32.20 UTC ML= 1.9  
 lat: 45.697N lon: 16.736E h= 0.0 km  
 erh= 3.0km erz= \*\*\*km  
 nr= 12 gap=107 rms=1.07  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MOSL	9.4	172	PgU	10:33:34.11			0.22
			Sg	33:35.08			-0.12
PTJ	64.6	290	Sg	10:33:53.12			0.39
BEHE	85.9	2	Sg	10:34:00.30			0.79
KOGS	91.5	336	Pg	10:33:50.11			1.57
			Sg	34:01.39			0.10
RCF6	92.8	320	Sg	10:34:01.21			-0.49
CRÉS	100.6	278	Sg	10:34:03.09			-1.08
KOVH	114.4	68	Sg	10:34:06.70			-1.86
PKSV	119.7	80	Pg	10:33:54.26			0.68
			Sg	34:08.92			-1.34
GROS	127.8	312	Sg	10:34:10.11			-2.70

1485.

2024-09-27 time: 16:45:40.98 UTC ML= 0.9  
 lat: 45.845N lon: 21.578E h= 10.0 km  
 erh= 2.8km erz= 3.9km  
 nr= 6 gap= 89 rms=0.31  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	25.5	173	Pg	16:45:45.93			0.06
			Sg	45:49.10			-0.59
TIM	30.2	247	Sg	16:45:51.53			0.43
SURR	43.7	103	Pg	16:45:49.23			0.25
AMBH	86.6	310	Sg	16:46:08.34			-0.35
DRGR	136.8	40	Sn	16:46:21.36			-0.22

1486.

2024-09-27 time: 20:12:47.29 UTC ML= 1.0  
 lat: 45.810N lon: 21.626E h= 15.4 km  
 erh= ---km erz= ---km  
 nr= 4 gap=145 rms=0.07  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	21.5	182	Pg	20:12:52.09			0.07
			Sg	12:55.58			-0.12
TIM	32.6	255	Pg	20:12:53.73			0.00
DRGR	137.4	37	Sn	20:13:26.78			-0.04

1487.

2024-09-28 time: 2:07:17.37 UTC ML= 1.5  
 lat: 47.667N lon: 20.302E h= 14.6 km  
 erh= 1.2km erz= 1.1km  
 nr= 13 gap=139 rms=0.35  
 Locality: Erdőtelek  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	40.9	184	Pg	2:07:25.29			0.17
			Sg	07:31.31			0.14
PSZ	41.4	313	Pg	2:07:25.09			-0.12

## Földrengés paraméterek

Sg 07:31.31 -0.01  
 PENC 77.7 280 Sg 2:07:42.14 -0.37  
 PKSN 91.7 201 S\* 2:07:45.27 -1.16  
 KECS 91.8 9 P\* 2:07:34.08 0.36  
 S\* 07:46.00 -0.47  
 ABAH 99.0 45 P\* 2:07:34.88 0.07  
 S\* 07:48.08 -0.34  
 PKS7 110.3 231 Pn 2:07:36.56 0.26  
 Sn 07:50.60 -0.46  
 PKSG 147.1 258 Sn 2:08:00.19 0.96

1488.

2024-09-28 time: 5:17:56.90 UTC ML= 1.0  
 lat: 47.750N lon: 16.219E h= 13.2 km  
 erh= 1.9km erz= 1.4km  
 nr= 15 gap= 97 rms=0.54  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	8.1	134	PgU	5:17:59.87			0.20
			Sg	18:01.40			-0.43
SOP	26.6	106	Pg	5:18:02.49			0.29
			Sg	18:06.04			-0.29
CONA	33.2	307	Pg	5:18:03.84			0.55
			Sg	18:08.07			-0.20
WINA	41.1	345	Pg	5:18:05.13			0.51
			Sg	18:10.17			-0.46
ARSA	76.4	223	Pg	5:18:10.42			-0.33
			Sg	18:19.72			-1.82
ABNA	117.8	330	Pn	5:18:17.62			0.68
			Sn	18:30.95			-1.62
KRUC	146.4	5	Pn	5:18:20.73			0.22
			Sn	18:38.55			-0.37
VRAC	175.4	9	Sn	5:18:45.13			-0.23

1489.

2024-09-30 time: 3:06:12.43 UTC ML= 0.5  
 lat: 45.684N lon: 21.849E h= 10.0 km  
 erh= 2.1km erz= 1.3km  
 nr= 6 gap=178 rms=0.13  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	19.6	248	Pg	3:06:16.38			0.02
			Sg	06:19.16			-0.26
SURR	22.8	70	Pg	3:06:16.96			0.09
			Sg	06:20.17			-0.17
TIM	49.3	277	Sg	3:06:28.58			0.17
DRGR	139.9	28	Sn	3:06:53.74			0.01

1490.

2024-09-30 time: 8:06:37.34 UTC ML= 1.6  
 lat: 46.022N lon: 22.813E h= 10.0 km  
 erh= 3.1km erz= 4.1km  
 nr= 9 gap=118 rms=0.58  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DEV	17.0	156	Pg	8:06:40.79			-0.07
			Sg	06:43.26			-0.34
SURR	61.2	241	Pg	8:06:49.59			1.17
			Sg	06:56.62			-0.44
DRGR	85.9	355	Pg	8:06:52.65			-0.13
			Sg	07:04.23			-0.59
CJR	97.7	38	Sg	8:07:08.96			0.40
BZS	103.4	244	P*	8:06:56.05			0.17
			S*	07:09.24			-1.09

## Földrengés paraméterek

## Hypocenter Parameters

1491.

2024-09-30 time: 8:40:22.46 UTC ML= 0.9  
lat: 46.141N lon: 17.980E h= 10.0 km  
erh= 5.2km erz= 4.3km  
nr= 11 gap=202 rms=0.64  
Locality: Hetvehely  
Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	10.9	122	Pg	8:40:24.99	-0.11
			Sg	40:26.30	-0.86
PKSV	35.1	143	Pg	8:40:29.62	0.65
			Sg	40:33.40	-0.64
S9BD	48.8	81	Pg	8:40:32.09	0.74
			Sg	40:37.73	-0.56
PKSM	51.7	81	Pg	8:40:32.17	0.32
			Sg	40:38.54	-0.64
MORH	51.9	81	Pg	8:40:32.55	0.65
			Sg	40:38.42	-0.85
MOSL	111.8	238	Sn	8:40:56.44	-1.07

1492.

2024-09-30 time: 10:33:43.70 UTC ML= 1.8  
lat: 47.092N lon: 19.375E h= 0.0 km  
erh= 6.1km erz= 910km  
nr= 6 gap=187 rms=0.53  
Locality: Tatárszentgyörgy  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.1	253	Pg	10:33:47.29	0.54
			Sg	33:48.64	-0.48
PENC	77.9	355	Pg	10:33:57.76	0.15
PSZ	99.8	23	PgU	10:34:01.65	0.13
			Sg	34:13.09	-2.33
PKSM	112.9	210	Pg	10:34:03.63	-0.23

1493.

2024-09-30 time: 10:38:24.60 UTC ML= 2.2  
lat: 46.326N lon: 21.831E h= 4.3 km  
erh= 2.4km erz= 3.5km  
nr= 13 gap= 88 rms=0.69  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	67.5	160	PgU	10:38:37.20	0.52
			Sg	38:45.47	-0.64
BZS	80.6	192	PgU	10:38:39.26	0.25
			Sg	38:48.62	-1.64
BORR	85.0	358	Pg	10:38:40.36	0.56
DRGR	85.0	53	Pg	10:38:40.07	0.27
			Sg	38:50.06	-1.60
AMBH	85.2	272	Pg	10:38:40.00	0.17
			Sg	38:50.54	-1.16
LTVH	117.8	3	Pg	10:38:45.70	0.05
CJR	142.3	72	Pn	10:38:49.62	0.80
			Sn	39:07.66	-0.05
CEIR	159.5	18	Sn	10:39:10.42	-1.11

1494.

2024-09-30 time: 11:17:01.15 UTC ML= 1.5  
lat: 45.706N lon: 17.273E h= 0.0 km  
erh= 6.1km erz= 874km  
nr= 14 gap=181 rms=0.74  
Locality: Croatia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MOSL	41.7	256	Pg	11:17:08.61	0.02

			Sg	17:13.92	-0.48
KOVH	77.0	56	Pg	11:17:17.28	2.38
			Sg	17:26.52	0.90
PKSV	78.8	75	Pg	11:17:15.17	-0.05
			Sg	17:25.89	-0.31
PTJ	104.5	282	Pg	11:17:19.65	-0.15
			Sg	17:34.24	-0.12
S9BD	117.4	62	Pg	11:17:22.58	0.47
			Sg	17:37.56	-0.89
PKSM	120.1	62	Pg	11:17:22.96	0.37
			Sg	17:38.47	-0.85
MORH	120.5	62	Pg	11:17:22.04	-0.62
			Sg	17:38.43	-1.02

1495.

2024-09-30 time: 12:00:25.72 UTC ML= 0.6  
lat: 47.603N lon: 16.331E h= 0.0 km  
erh= 6.2km erz= 664km  
nr= 5 gap=253 rms=0.31  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	11.0	346	PgU	12:00:27.91	0.22
			Sg	00:29.69	0.46
SOP	19.3	62	Pg	12:00:29.15	-0.01
			Sg	00:31.46	-0.39
CONA	50.4	316	Sg	12:00:41.26	-0.50

1496.

2024-09-30 time: 12:22:36.91 UTC ML= 2.3  
lat: 48.157N lon: 21.282E h= 0.0 km  
erh= 6.4km erz= \*\*\*km  
nr= 7 gap=111 rms=1.40  
Locality: Mezőzombor  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	15.7	349	PgU	12:22:41.59	1.87
			Sg	22:42.32	0.41
KECS	69.3	302	Sg	12:22:58.07	-0.85
LTVH	97.6	152	Sg	12:23:06.68	-1.26
PSZ	106.8	256	Pg	12:22:56.80	0.82
			Sg	23:09.15	-1.71
KOLS	113.2	40	Sg	12:23:10.85	-2.02

1497.

2024-09-30 time: 13:24:41.94 UTC ML= 0.8  
lat: 47.569N lon: 16.322E h= 10.0 km  
erh= 4.2km erz= 4.0km  
nr= 8 gap=185 rms=0.69  
Locality: Austria  
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.7	352	PgU	13:24:45.44	0.33
			Sg	24:47.61	0.02
SOP	21.9	54	Pg	13:24:46.48	0.25
			Sg	24:48.64	-0.94
CONA	52.8	319	Pg	13:24:52.55	1.01
			Sg	24:58.14	-0.89
ARSA	69.9	240	Sg	13:25:03.34	-1.05
KRUC	166.1	2	Sn	13:25:28.55	-0.51

## Hypocenter Parameters

## Földrengés paraméterek

1498.

2024-10-01 time: 9:45:11.48 UTC ML= 1.8  
 lat: 47.793N lon: 19.141E h= 0.0 km  
 erh= 4.5km erz= 798km  
 nr= 6 gap=202 rms=0.46  
 Locality: Vác  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	10.5	92	Pg	9:45:13.82	0.46
			Sg	45:15.02	0.19
PSZ	58.1	76	Pg	9:45:21.93	0.08
			Sg	45:28.56	-1.38
CSKK	81.7	234	Sg	9:45:37.22	-0.23
PKS7	82.9	179	Sg	9:45:37.62	-0.22

1499.

2024-10-02 time: 6:44:44.65 UTC ML= 1.0  
 lat: 46.141N lon: 18.073E h= 0.0 km  
 erh= 2.7km erz= 367km  
 nr= 7 gap=279 rms=0.27  
 Locality: Abaliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.2	160	Pg	6:44:45.76	0.01
			Sg	44:46.95	0.34
PKSV	31.3	154	Sg	6:44:53.79	-0.80
S9BD	41.8	80	Sg	6:44:57.86	-0.06
PKSM	44.6	80	Pg	6:44:52.83	0.21
			Sg	44:58.59	-0.24
MORH	44.9	79	Sg	6:44:58.91	-0.01

1500.

2024-10-02 time: 9:14:58.35 UTC ML= 1.9  
 lat: 46.835N lon: 17.284E h= 0.0 km  
 erh= 2.4km erz= 4.4km  
 nr= 25 gap= 74 rms=1.11  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	42.0	28	Pg	9:15:05.55	-0.30
			Sg	15:10.21	-1.48
BEHE	56.2	224	Pg	9:15:09.59	1.20
EGYH	64.8	3	Pg	9:15:10.91	0.99
PKST	74.0	50	Pg	9:15:11.99	0.44
			Sg	15:21.30	-0.55
KOGS	90.1	241	Sg	9:15:25.86	-1.13
CSKK	94.5	52	Sg	9:15:27.23	-1.17
KOVH	104.0	143	Pg	9:15:18.02	1.09
			Sg	15:30.97	-0.44
PKSG	104.3	54	Pg	9:15:17.97	0.99
			Sg	15:30.33	-1.18
PKB1	115.2	93	Pg	9:15:19.91	0.98
S9BD	123.1	125	Pg	9:15:20.93	0.60
			Sg	15:36.46	-1.01
MORH	125.0	123	Pg	9:15:21.39	0.71
			Sg	15:36.28	-1.81
PKSM	125.1	124	Pg	9:15:20.85	0.16
			Sg	15:36.09	-2.02
PKSV	128.9	145	Sg	9:15:36.64	-2.70
ARSA	141.6	289	Sn	9:15:39.29	-3.00
MOSL	141.8	197	Pn	9:15:23.86	0.79
			Sn	15:40.29	-2.06
GROS	142.7	253	Pn	9:15:23.77	0.60
			Sn	15:40.84	-1.69

1501.

2024-10-02 time: 10:27:07.74 UTC ML= 1.7  
 lat: 46.128N lon: 21.702E h= 0.0 km  
 erh= 7.2km erz= \*\*\*km  
 nr= 6 gap=220 rms=0.67  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	52.9	142	Pg	10:27:18.01	0.81
			Sg	27:24.13	-0.44
BZS	57.2	187	Pg	10:27:18.01	0.05
			Sg	27:24.86	-1.06
DRGR	107.0	46	Pg	10:27:27.23	0.37
			Sg	27:40.65	-1.12

1502.

2024-10-03 time: 6:13:07.15 UTC ML= 1.8  
 lat: 48.190N lon: 21.278E h= 0.0 km  
 erh= 3.5km erz= \*\*\*km  
 nr= 10 gap=123 rms=0.98  
 Locality: Mád  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	12.1	346	Pg	6:13:09.70	0.39
			Sg	13:11.22	0.22
KECS	67.2	299	Sg	6:13:27.11	-1.39
TRPA	94.1	94	Pg	6:13:24.69	0.75
			Sg	13:36.17	-0.87
PSZ	107.5	254	Pg	6:13:27.04	0.70
			Sg	13:40.35	-0.96
KOLS	110.6	42	Pg	6:13:27.80	0.91
			Sg	13:39.46	-2.83
BSZH	124.7	217	Sg	6:13:45.51	-1.28

1503.

2024-10-03 time: 9:29:09.52 UTC ML= 1.5  
 lat: 47.314N lon: 18.461E h= 0.0 km  
 erh= 4.3km erz= 945km  
 nr= 8 gap=205 rms=0.67  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.1	328	PgU	9:29:11.55	0.23
			Sg	29:11.89	-0.84
CSKK	16.1	290	PgU	9:29:12.76	0.37
			Sg	29:13.83	-0.81
PKST	32.9	259	Pg	9:29:16.45	1.06
			Sg	29:19.19	-0.78
MORH	122.9	173	Sg	9:29:48.34	-0.26
PKSM	123.4	174	Sg	9:29:48.07	-0.66

1504.

2024-10-03 time: 9:29:31.15 UTC ML= 1.4  
 lat: 47.323N lon: 18.440E h= 0.0 km  
 erh= 2.5km erz= 591km  
 nr= 8 gap=199 rms=0.43  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.5	334	Pg	9:29:32.82	0.14
			Sg	29:33.14	-0.73
CSKK	14.3	288	PgU	9:29:34.10	0.39
			Sg	29:35.26	-0.44
PKST	31.5	257	Pg	9:29:37.20	0.42
			Sg	29:40.54	-0.63
MORH	124.0	173	Sg	9:30:10.14	-0.44

## Földrengés paraméterek

## Hypocenter Parameters

PKSM 124.4 173 Sg 9:30:10.87 0.16

1505.

2024-10-03 time: 12:01:32.53 UTC ML= 2.0  
 lat: 48.812N lon: 21.577E h= 0.0 km  
 erh= 3.8km erz= 4.0km  
 nr= 15 gap=115 rms=1.09  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	52.8	75	Pg	12:01:41.83	-0.14
			Sg	01:47.86	-1.47
ABAH	62.5	203	Pg	12:01:43.71	0.01
			Sg	01:52.06	-0.35
KECS	88.3	246	Pg	12:01:48.83	0.53
			Sg	01:59.41	-1.19
TRPA	104.0	137	Pg	12:01:52.52	1.42
			Sg	02:04.39	-1.19
LANS	158.9	284	Sn	12:02:18.36	-1.96
PSZ	159.4	231	Pn	12:02:00.10	0.66
			Sn	02:18.40	-2.03
LTVH	160.5	171	Sn	12:02:21.92	1.25
OJC	202.7	321	Sn	12:02:32.17	2.13
PENC	204.7	236	Sn	12:02:31.00	0.52
DRGR	240.2	159	Pn	12:02:14.75	5.24

1506.

2024-10-03 time: 22:30:58.19 UTC ML= 0.3  
 lat: 45.749N lon: 21.815E h= 9.1 km  
 erh= 2.7km erz= 2.6km  
 nr= 6 gap=138 rms=0.14  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.3	226	Pg	22:31:02.23	-0.10
			Sg	31:05.65	0.09
SURR	24.1	89	Pg	22:31:02.95	0.15
			Sg	31:06.14	-0.25
AMBH	107.5	308	S*	22:31:32.39	-0.08
DRGR	134.9	31	Sn	22:31:38.73	0.14

1507.

2024-10-04 time: 8:20:29.18 UTC ML= 1.0  
 lat: 46.227N lon: 18.272E h= 0.0 km  
 erh= 2.9km erz= 643km  
 nr= 10 gap=180 rms=0.50  
 Locality: Kisbattyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	20.4	221	Pg	8:20:32.95	0.13
			Sg	20:35.48	-0.19
S9BD	25.8	95	Pg	8:20:34.21	0.43
			Sg	20:37.19	-0.18
PKSM	28.5	93	Pg	8:20:34.75	0.48
			Sg	20:37.82	-0.42
MORH	28.7	93	Pg	8:20:34.66	0.35
			Sg	20:37.91	-0.40
PKSV	37.7	182	Sg	8:20:39.71	-1.45
PKB4	39.3	40	Sg	8:20:40.74	-0.93

1508.

2024-10-04 time: 8:31:02.30 UTC ML= 1.5  
 lat: 48.310N lon: 19.089E h= 10.0 km  
 erh= 2.0km erz= 2.2km  
 nr= 15 gap= 66 rms=0.64  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	59.5	166	Sg	8:31:20.53	-0.96
PSZ	74.1	126	Pg	8:31:16.66	1.01
			Sg	31:25.42	-0.65
ZBNS	97.3	340	Pg	8:31:20.08	0.31
			Sg	31:32.82	-0.57
LANS	97.5	17	Sg	8:31:32.98	-0.48
KECS	105.2	79	P*	8:31:21.45	0.34
			S*	31:34.78	-1.00
PKSG	114.7	207	Pn	8:31:22.69	0.33
			Sn	31:37.05	-0.95
JAVC	121.2	300	Sn	8:31:39.18	-0.26
CSKK	122.2	211	Sn	8:31:39.35	-0.32
SMOL	125.0	280	Sn	8:31:40.07	-0.22
PKST	141.1	214	Pn	8:31:26.61	0.96
			Sn	31:43.63	-0.23

1509.

2024-10-04 time: 8:44:25.51 UTC ML= 1.6  
 lat: 48.423N lon: 19.533E h= 0.0 km  
 erh= 2.3km erz= 3.8km  
 nr= 14 gap= 69 rms=0.80  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	62.2	154	Pg	8:44:37.09	0.47
			Sg	44:45.39	0.10
KECS	70.8	85	Sg	8:44:47.28	-0.74
PENC	72.8	195	Sg	8:44:48.17	-0.47
LANS	81.0	357	Pg	8:44:40.34	0.36
			Sg	44:50.52	-0.75
ZBNS	102.6	320	Pg	8:44:44.39	0.56
			Sg	44:57.17	-0.95
NIE	124.6	27	Pg	8:44:49.17	1.40
			Sg	45:03.57	-1.56
ABAH	127.3	96	Sg	8:45:05.28	-0.69
JAVC	145.5	289	Sn	8:45:09.42	-0.91
PKST	171.3	221	Sn	8:45:16.99	0.95
MORC	209.3	316	Sn	8:45:23.65	-0.83

1510.

2024-10-05 time: 20:58:21.40 UTC ML= 0.2  
 lat: 45.922N lon: 18.001E h= 11.9 km  
 erh= 1.8km erz= 3.2km  
 nr= 6 gap=282 rms=0.17  
 Locality: Gilvánfa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	19.8	101	Pg	20:58:25.34	-0.18
			Sg	58:28.96	0.22
KOVH	20.0	22	Pg	20:58:25.73	0.17
			Sg	58:28.61	-0.20
PKSM	59.1	57	Sg	20:58:40.49	-0.07
MORH	59.5	57	Sg	20:58:40.77	0.08

1511.

2024-10-06 time: 1:10:13.92 UTC ML= 1.6  
 lat: 46.147N lon: 16.478E h= 10.0 km  
 erh= 1.7km erz= 1.5km  
 nr= 28 gap=133 rms=0.65  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	37.7	332	Pg	1:10:20.50	-0.40
			Sg	10:25.76	-0.58
BEHE	42.6	33	PgD	1:10:22.18	0.45
			Sg	10:28.22	0.40
RCF6	45.0	297	Pg	1:10:21.85	-0.31

## Hypocenter Parameters

## Földrengés paraméterek

ID	Lat	Lon	Depth	Phase	Time	Res
PTJ	48.8	236		Sg	10:28.08	-0.50
				Pg	1:10:22.63	-0.18
				Sg	10:29.86	0.11
R971	50.0	226		Sg	1:10:30.46	0.34
ZAG	51.6	227		Sg	1:10:30.84	0.22
GOLS	67.7	257		iSg	1:10:35.93	0.24
GCIS	72.9	245		iPg	1:10:27.13	0.07
				iSg	10:36.94	-0.36
GROS	82.9	295		Sg	1:10:39.92	-0.54
CRES	86.8	246		Pg	1:10:29.76	0.23
				Sg	10:41.02	-0.68
LEGS	92.5	256		iPg	1:10:31.09	0.55
				iSg	10:43.16	-0.33
PKKS	114.9	265		iPn	1:10:35.81	1.81
ZAVS	116.4	286		iPn	1:10:34.62	0.42
				eSn	10:48.16	-1.85
PERS	117.9	297		iPn	1:10:34.80	0.41
KOVH	125.5	93		Pn	1:10:34.54	-0.79
				Sn	10:49.83	-2.20
SOKA	125.8	298		Sn	1:10:51.31	-0.78
ARSA	142.7	329		Sn	1:10:54.96	-0.88
PKSM	167.2	88		Pn	1:10:42.95	2.42
RONA	173.1	355		Pn	1:10:41.52	0.26

1512.

2024-10-07 time: 7:16:37.08 UTC ML= 2.1  
 lat: 46.043N lon: 22.817E h= 0.0 km  
 erh= 2.3km erz= 4.5km  
 nr= 11 gap=111 rms=0.60  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.0	159	PgU	7:16:40.72	0.25
			Sg	16:42.42	-0.69
SURR	62.6	239	Pg	7:16:49.13	0.86
			Sg	16:57.11	0.12
DRGR	83.6	354	Pg	7:16:52.19	0.17
			Sg	17:02.41	-1.25
BZS	104.7	243	Pg	7:16:55.90	0.13
			Sg	17:09.72	-0.63
VOIR	186.3	111	Pn	7:17:06.93	-0.42
			Sn	17:30.10	-0.86
RAKU	244.3	25	Sn	7:17:48.20	4.36*
MLR	250.9	104	Pn	7:17:16.34	0.94

1513.

2024-10-07 time: 7:29:23.27 UTC ML= 1.0  
 lat: 46.131N lon: 18.069E h= 0.0 km  
 erh= 1.0km erz= 179km  
 nr= 9 gap=252 rms=0.14  
 Locality: Abaliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.3	153	Pg	7:29:24.25	0.03
			Sg	29:25.51	0.54
PKSV	30.5	152	Pg	7:29:28.58	-0.14
			Sg	29:32.85	-0.11
S9BD	42.3	78	Sg	7:29:36.83	0.12
PKSM	45.1	79	Pg	7:29:31.28	-0.05
			Sg	29:37.45	-0.16
MORH	45.4	78	Sg	7:29:37.69	-0.02
PKB4	57.9	45	Pg	7:29:33.77	0.16

1514.

2024-10-07 time: 7:53:09.73 UTC ML= 1.7  
 lat: 48.663N lon: 21.478E h= 0.0 km  
 erh= 3.3km erz= 4.3km  
 nr= 12 gap=168 rms=0.85  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	44.4	203	Pg	7:53:18.21	0.55
			Sg	53:23.79	-0.06
KOLS	65.7	63	Pg	7:53:22.27	0.80
			Sg	53:28.96	-1.67
HOLU	68.5	103	Sg	7:53:31.48	-0.04
KECS	75.9	255	Pg	7:53:23.56	0.28
			Sg	53:32.44	-1.41
STZU	92.8	65	Sg	7:53:38.93	-0.30
TRPA	98.4	127	Sg	7:53:40.40	-0.62
PSZ	143.7	235	Pn	7:53:35.68	0.99
			Sn	53:51.75	-2.40
MEZ	151.2	96	Sn	7:53:55.80	0.00

1515.

2024-10-07 time: 11:04:46.91 UTC ML= 1.5  
 lat: 48.556N lon: 20.779E h= 0.0 km  
 erh= 3.4km erz= 8.2km  
 nr= 10 gap= 93 rms=1.05  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.1	250	Pg	11:04:51.05	0.00
			Sg	04:54.11	-0.16
ABAH	44.7	130	Pg	11:04:55.33	0.44
			Sg	05:00.82	-0.29
PSZ	96.7	223	Pg	11:05:04.96	0.78
			Sg	05:16.08	-1.56
NIE	101.9	340	Pg	11:05:06.80	1.70
			Sg	05:18.24	-1.05
LANS	116.8	304	Sg	11:05:22.59	-1.44
STZU	144.8	69	Sn	11:05:29.59	-1.99

1516.

2024-10-07 time: 11:30:51.87 UTC ML= 1.5  
 lat: 48.644N lon: 20.854E h= 0.0 km  
 erh= 3.7km erz= 7.6km  
 nr= 9 gap= 99 rms=0.98  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	32.5	237	Pg	11:30:57.71	0.03
			Sg	31:01.40	-0.80
ABAH	48.0	144	Pg	11:31:01.58	1.13
			Sg	31:07.17	0.03
NIE	94.9	335	Pg	11:31:09.62	0.81
PSZ	107.6	221	Pg	11:31:11.56	0.48
			Sg	31:24.08	-1.99
KOLS	109.2	73	Sg	11:31:25.25	-1.32
TRPA	137.3	115	Sn	11:31:33.10	-1.76

1517.

2024-10-07 time: 12:53:13.71 UTC ML= 1.6  
 lat: 45.825N lon: 17.184E h= 0.0 km  
 erh= 8.2km erz= 7.8km  
 nr= 12 gap=185 rms=0.80  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	76.8	68	Pg	12:53:28.83	1.41
			Sg	53:39.01	0.89
PKSV	83.2	85	Pg	12:53:28.79	0.22
			Sg	53:38.79	-1.38
S9BD	118.0	69	Pg	12:53:34.88	0.11
			Sg	53:50.19	-1.01
PKSM	120.8	69	Pg	12:53:35.59	0.32
			Sg	53:51.31	-0.78
MORH	121.1	69	Pg	12:53:35.23	-0.11



### Földrengés paraméterek

### Hypocenter Parameters

CRESE 134.2 270 Sg 53:51.16 -1.05  
 Pn 12:53:37.69 0.21  
 Sn 53:54.55 -1.47

1518.

2024-10-08 time: 8:26:02.02 UTC ML= 1.3  
 lat: 47.176N lon: 18.219E h= 0.0 km  
 erh= 1.5km erz= 2.6km  
 nr= 13 gap=106 rms=0.56  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	16.7	303	PgU	8:26:05.39	0.38
			Sg	26:07.32	-0.02
CSKK	21.1	9	Pg	8:26:06.10	0.32
			Sg	26:08.22	-0.49
PKSG	27.3	28	Pg	8:26:07.14	0.24
			Sg	26:10.30	-0.40
MPLH	51.5	269	Sg	8:26:18.49	0.11
MORH	111.6	163	Sg	8:26:36.46	-1.03
PKSM	112.0	163	Pg	8:26:23.08	1.07
			Sg	26:37.00	-0.61
KOVH	121.2	184	Sg	8:26:39.92	-0.64
PSZ	150.8	57	Sn	8:26:47.26	-0.74
RONA	156.3	292	Sn	8:26:48.75	-0.47

1519.

2024-10-08 time: 8:53:12.54 UTC ML= 1.1  
 lat: 48.040N lon: 16.110E h= 0.0 km  
 erh= 6.7km erz=11.9km  
 nr= 7 gap=146 rms=1.17  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	22.3	236	Pg	8:53:17.74	1.23
			Sg	53:19.42	-0.20
RONA	40.3	160	Pg	8:53:20.67	0.94
			Sg	53:24.33	-1.02
ARSA	98.2	207	Sg	8:53:41.97	-1.78
KRUC	115.6	11	Sg	8:53:47.42	-1.86
VRAC	145.5	14	Sn	8:53:57.57	0.22

1520.

2024-10-08 time: 10:12:09.29 UTC ML= 1.7  
 lat: 48.671N lon: 19.051E h= 0.0 km  
 erh= 3.5km erz= 6.3km  
 nr= 15 gap= 63 rms=1.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZBNS	59.5	330	Pg	10:12:21.76	1.84
			Sg	12:28.24	0.03
LANS	61.5	30	Pg	10:12:21.43	1.17
			Sg	12:29.32	0.49
PENC	99.4	170	Pg	10:12:28.45	1.41
			Sg	12:40.67	-0.21
JAVC	103.6	282	Sg	10:12:41.21	-1.01
PSZ	104.5	143	Pg	10:12:29.89	1.94
			Sg	12:40.34	-2.17
KECS	107.9	101	Sg	10:12:42.50	-1.10
SMOL	120.9	262	Sg	10:12:45.74	-1.98
NIE	124.2	48	Pg	10:12:30.04	-1.43
			Sg	12:47.18	-1.60
PKSG	150.5	199	Sn	10:12:53.84	-1.37
MORC	164.9	318	Sn	10:12:57.45	-0.96

1521.

2024-10-08 time: 11:39:00.40 UTC ML= 1.4  
 lat: 47.527N lon: 18.449E h= 0.0 km  
 erh= 1.1km erz= 1.3km  
 nr= 6 gap=308 rms=0.13  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	15.7	196	Pg	11:39:03.13	-0.07
			Sg	39:05.34	-0.04
CSKK	23.1	218	Pg	11:39:04.61	0.08
			Sg	39:07.62	-0.13
PKST	43.2	226	Sg	11:39:14.16	0.02
PKSM	147.0	174	Sn	11:39:46.21	0.67

1522.

2024-10-09 time: 16:02:22.41 UTC ML= 0.3  
 lat: 47.333N lon: 18.407E h= 8.4 km  
 erh= 8.2km erz= 7.3km  
 nr= 5 gap=264 rms=0.13  
 Locality: Zámoly  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	6.7	350	PgU	16:02:24.41	0.08
			Sg	02:25.58	-0.25
CSKK	11.6	287	Pg	16:02:24.90	-0.07
			Sg	02:27.16	0.20
PKST	29.3	254	Sg	16:02:32.11	0.00

1523.

2024-10-10 time: 10:01:17.56 UTC ML= 1.1  
 lat: 47.904N lon: 16.088E h= 0.0 km  
 erh= 2.9km erz= 4.6km  
 nr= 8 gap=132 rms=0.83  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.1	279	Pg	10:01:21.33	0.71
			Sg	01:23.34	0.33
RONA	27.6	146	Pg	10:01:23.16	0.67
			Sg	01:26.44	0.11
ARSA	84.2	210	Sg	10:01:42.79	-1.53
KRUC	130.7	10	Pn	10:01:40.80	-0.09
			Sn	01:56.92	-2.17
VRAC	160.5	13	Sn	10:02:05.45	-0.26

1524.

2024-10-10 time: 10:19:59.52 UTC ML= 1.6  
 lat: 48.388N lon: 21.759E h= 0.0 km  
 erh= 2.0km erz= 2.3km  
 nr= 16 gap= 91 rms=1.01  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	39.9	255	Pg	10:20:08.29	1.65
			Sg	20:12.37	0.17
MUKU	69.1	84	Sg	10:20:22.54	1.07
BRIU	93.6	93	Pg	10:20:16.78	0.54
			Sg	20:30.39	1.12
STZU	94.4	42	Pg	10:20:16.15	-0.24
KECS	94.8	276	Pg	10:20:17.18	0.72
			Sg	20:29.29	-0.38
STHS	120.5	342	Pg	10:20:21.31	0.27
			Sg	20:36.29	-1.53
MEZ	130.6	84	Pn	10:20:22.17	-0.67
			Sn	20:38.79	-2.23



## Földrengés paraméterek

## Hypocenter Parameters

1530.

2024-10-11 time: 11:43:53.74 UTC ML= 1.0  
 lat: 47.551N lon: 16.346E h= 0.0 km  
 erh= 2.9km erz= 4.3km  
 nr= 12 gap= 77 rms=1.05  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.9	347	PgU	11:43:57.83	1.06
			Sg	43:58.81	-0.31
SOP	21.7	47	PgU	11:43:58.88	1.26
			Sg	44:00.60	-0.04
CONA	55.5	319	Pg	11:44:04.34	0.69
			Sg	44:09.52	-1.86
ARSA	70.5	242	Sg	11:44:16.17	0.01
MPLH	99.6	115	Sg	11:44:24.20	-1.21
KOGS	122.8	183	Sg	11:44:31.96	-0.83
GROS	137.1	208	Sn	11:44:36.54	-0.16
KRUC	168.0	1	Sn	11:44:41.47	-2.08
VRAC	196.3	5	Sn	11:44:48.28	-1.54

1531.

2024-10-12 time: 5:24:20.20 UTC ML= 1.3  
 lat: 45.928N lon: 21.338E h= 10.0 km  
 erh= 8.6km erz=10.0km  
 nr= 6 gap=204 rms=0.93  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	23.1	203	PgD	5:24:25.18	0.48
			Sg	24:27.27	-0.94
BZS	40.8	148	Pg	5:24:28.96	1.26
			Sg	24:32.62	-0.93
BANR	62.6	195	Sg	5:24:39.12	-1.24
DRGR	142.8	48	Sn	5:25:01.77	-0.37

1532.

2024-10-12 time: 8:24:15.23 UTC ML= 1.2  
 lat: 46.157N lon: 18.299E h= 0.0 km  
 erh= 0.9km erz= 182km  
 nr= 10 gap=193 rms=0.14  
 Locality: Vasas  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.2	244	PgU	8:24:18.15	-0.15
			Sg	24:20.85	0.15
S9BD	24.3	77	Pg	8:24:19.77	0.21
			Sg	24:23.30	0.36
PKSM	27.1	77	Pg	8:24:20.04	-0.03
			Sg	24:23.82	-0.02
MORH	27.4	76	Pg	8:24:20.08	-0.04
			Sg	24:23.73	-0.21
PKSV	30.1	187	Pg	8:24:20.53	-0.07
			Sg	24:24.81	0.02

1533.

2024-10-12 time: 16:40:10.15 UTC ML= 0.5  
 lat: 47.318N lon: 18.287E h= 8.1 km  
 erh= 1.1km erz= 0.9km  
 nr= 5 gap=207 rms=0.17  
 Locality: Söréd  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	5.4	338	Pg	16:40:11.72	-0.17
			Sg	40:13.15	-0.10
PKSG	11.3	44	Pg	16:40:12.63	-0.02

Sg 40:14.86 0.27  
 PKST 20.2 251 Sg 16:40:17.32 0.25

1534.

2024-10-12 time: 21:47:37.91 UTC ML= 0.4  
 lat: 47.272N lon: 18.219E h= 10.0 km  
 erh= 2.5km erz= 4.3km  
 nr= 8 gap=113 rms=0.29  
 Locality: Kincsesbánya  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	10.6	17	Pg	21:47:40.44	-0.08
			Sg	47:42.28	-0.27
PKST	14.0	264	Pg	21:47:41.24	0.25
			Sg	47:43.26	-0.13
PKSG	18.6	44	Pg	21:47:41.77	0.08
			Sg	47:44.95	0.32
PKB4	91.1	161	Pg	21:47:54.20	-0.07
PKB2	102.3	130	Sg	21:48:08.32	-2.28

1535.

2024-10-13 time: 2:02:27.34 UTC ML= 0.9  
 lat: 47.365N lon: 18.135E h= 11.5 km  
 erh= 1.8km erz= 0.8km  
 nr= 11 gap=125 rms=0.36  
 Locality: Nagyveleg  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	9.5	91	PgD	2:02:30.05	0.04
			Sg	02:31.67	-0.42
PKST	14.0	213	PgD	2:02:30.84	0.26
			Sg	02:32.83	-0.28
PKSG	19.5	81	Pg	2:02:31.49	0.10
			Sg	02:34.53	-0.02
MORH	133.5	163	Sn	2:03:06.66	-0.20
PKSM	133.9	163	Pn	2:02:50.48	0.89
			Sn	03:06.45	-0.49
PKS6	138.0	128	Sn	2:03:07.36	-0.51
SMOL	138.3	338	Sn	2:03:07.72	-0.20

1536.

2024-10-14 time: 9:10:04.90 UTC ML= 0.9  
 lat: 47.175N lon: 18.300E h= 0.0 km  
 erh= 3.9km erz= 8.3km  
 nr= 9 gap=111 rms=1.00  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	21.2	352	Pg	9:10:09.37	0.69
			Sg	10:10.74	-0.88
PKST	22.2	295	Pg	9:10:09.63	0.76
			Sg	10:10.95	-1.01
PKSG	25.1	16	Pg	9:10:10.30	0.92
			Sg	10:12.10	-0.77
MORH	109.8	166	Sg	9:10:40.31	0.51
KOVH	121.7	187	Sg	9:10:42.03	-1.57
PSZ	145.7	55	Sn	9:10:47.48	-2.28

1537.

2024-10-14 time: 12:04:58.39 UTC ML= 1.5  
 lat: 48.677N lon: 21.438E h= 0.0 km  
 erh= 5.3km erz= \*\*\*km  
 nr= 7 gap=134 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ABAH	44.9	199	Pg	12:05:07.53	1.12
			Sg	05:13.28	0.62
KOLS	67.6	65	Sg	12:05:18.35	-1.53
			Pg	12:05:10.80	-0.72
KECS	73.5	253	Sg	05:20.41	-1.36
			Pg	12:05:14.08	0.79
STHS	83.4	350	Pg	12:05:14.08	0.79
			Sg	05:24.65	-0.27

1538.

2024-10-15 time: 8:24:35.06 UTC ML= 1.6  
 lat: 48.439N lon: 21.787E h= 0.0 km  
 erh= 2.0km erz= 3.3km  
 nr= 13 gap=126 rms=0.65  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	43.6	249	Pg	8:24:43.55	0.71
			Sg	24:48.92	0.01
TRPA	65.5	122	Pg	8:24:46.76	-0.01
			Sg	24:55.74	-0.16
KOLS	65.6	33	Pg	8:24:47.49	0.71
			Sg	24:54.99	-0.92
KECS	96.4	273	Pg	8:24:52.06	-0.21
			Sg	25:04.32	-1.37
STHS	115.8	340	Pg	8:24:56.17	0.43
			Sg	25:11.06	-0.80
PSZ	152.2	248	Sn	8:25:20.39	-0.97
NIE	153.4	315	Sn	8:25:21.73	0.10
LANS	187.9	295	Sn	8:25:31.50	2.22

1539.

2024-10-15 time: 8:38:35.76 UTC ML= 1.9  
 lat: 48.396N lon: 17.273E h= 0.0 km  
 erh= 2.2km erz= 2.7km  
 nr= 25 gap= 92 rms=1.00  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	17.4	41	Pg	8:38:39.87	1.00
			Sg	38:41.19	-0.11
ZST	25.6	210	Pg	8:38:41.39	1.06
			Sg	38:44.30	0.40
JAVC	59.2	30	Pg	8:38:47.73	1.39
			Sg	38:53.89	-0.70
SOP	95.5	214	Sg	8:39:05.76	-0.37
			Pg	8:38:53.97	0.67
KRUC	98.2	319	Pg	8:38:53.97	0.67
			Sg	39:05.69	-1.29
RONA	106.3	223	Pg	8:38:55.64	0.89
			Sg	39:08.55	-1.00
VRAC	113.0	334	Pg	8:38:56.28	0.34
			Sg	39:10.16	-1.52
CONA	117.2	244	Pg	8:38:56.73	0.04
			Sg	39:11.88	-1.13
ZBNS	129.8	51	Sg	8:39:14.96	-2.08
CSKK	136.6	147	Sn	8:39:17.60	-1.00
MPLH	137.8	172	Sn	8:39:17.25	-1.62
PKST	138.7	156	Sn	8:39:17.70	-1.37
PKSG	139.5	143	Pn	8:39:00.24	0.05
			Sn	39:17.81	-1.44
MORC	154.8	7	Pn	8:39:02.18	0.08
			Sn	39:21.10	-1.54
ARSA	182.8	226	Sn	8:39:31.42	2.58
KRLC	190.1	349	Sn	8:39:31.32	0.84

## Földregés paraméterek

1540.

2024-10-15 time: 9:30:45.00 UTC ML= 0.9  
 lat: 47.272N lon: 18.227E h= 0.0 km  
 erh= 5.2km erz= 642km  
 nr= 6 gap=222 rms=0.39  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.5	14	Pg	9:30:47.49	0.62
			Sg	30:48.50	0.17
PKST	14.6	264	Pg	9:30:47.56	-0.05
			Sg	30:49.25	-0.40
PKSG	18.2	43	Pg	9:30:48.15	-0.10
			Sg	30:50.09	-0.70

1541.

2024-10-15 time: 14:13:21.86 UTC ML= 1.8  
 lat: 47.307N lon: 16.365E h= 0.0 km  
 erh= 2.0km erz= 6.0km  
 nr= 23 gap= 85 rms=0.96  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	43.9	353	Pg	14:13:30.39	0.69
			Sg	13:35.50	-0.32
SOP	44.3	19	Pg	14:13:30.39	0.63
			Sg	13:35.32	-0.61
ARSA	64.0	264	Pg	14:13:33.67	0.38
			Sg	13:39.88	-2.33
EGYH	74.0	81	Sg	14:13:45.16	-0.24
			Pg	14:13:36.78	0.86
CONA	78.7	331	Pg	14:13:36.78	0.86
			Sg	13:44.92	-1.97
MPLH	90.2	100	Pg	14:13:38.80	0.83
			Sg	13:49.39	-1.15
KOGS	95.9	185	Pg	14:13:40.08	1.09
			Sg	13:51.31	-1.04
RCF6	112.6	196	Sg	14:13:56.88	-0.78
			Pg	14:13:56.61	-1.24
ZST	113.2	29	Sg	14:13:56.61	-1.24
			Pg	14:13:42.99	0.62
GROS	114.8	215	Pg	14:13:42.99	0.62
			Sg	13:56.15	-2.21
PERS	120.8	232	Pg	14:13:44.10	0.66
			Pg	14:13:43.91	0.05
SOKA	123.2	235	Pg	14:13:43.91	0.05
			Pg	14:13:44.10	-0.33
PKST	126.4	92	Pg	14:13:44.10	-0.33
			Sg	13:59.83	-2.21
KRUC	195.1	1	Pn	14:13:54.08	0.86
			Sn	14:17.12	-0.56

1542.

2024-10-16 time: 1:22:01.69 UTC ML= 1.8  
 lat: 46.202N lon: 16.569E h= 10.0 km  
 erh= 1.4km erz= 1.1km  
 nr= 24 gap= 67 rms=0.53  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.7	28	PgD	1:22:07.76	-0.22
			Sg	22:12.28	-0.60
KOGS	36.7	318	Pg	1:22:08.62	0.13
			Sg	22:13.51	-0.28
RCF6	49.2	287	Pg	1:22:11.04	0.39
			Sg	22:17.30	-0.35
ZAG	60.9	227	Pg	1:22:12.96	0.25
			Sg	22:20.63	-0.67
GROS	87.1	289	Pg	1:22:17.71	0.37
			Sg	22:28.67	-0.88
CRES	95.8	244	Pg	1:22:19.21	0.33
			Sg	22:30.81	-1.49
KOVH	118.9	96	Pn	1:22:22.00	-0.28
			Sn	22:35.97	-2.37*

**Földrengés paraméterek**

**Hypocenter Parameters**

PERS 121.6 293 Pn 1:22:23.22 0.61  
 Sn 22:38.22 -0.71  
 SOKA 129.4 294 Pn 1:22:24.28 0.70  
 Sn 22:40.26 -0.39  
 ARSA 141.3 326 Sn 1:22:43.27 -0.03  
 PKB4 160.0 78 Sn 1:22:46.88 -0.57  
 MORH 160.2 89 Sn 1:22:48.84 1.36  
 RONA 167.7 353 Pn 1:22:28.67 0.31  
 Sn 22:49.29 0.12  
 BLY 168.5 163 Sn 1:22:49.29 -0.05

**1543.**

2024-10-16 time: 6:19:08.85 UTC ML= 1.6  
 lat: 47.885N lon: 19.089E h= 0.0 km  
 erh= 5.5km erz= \*\*\*km  
 nr= 7 gap=189 rms=0.76  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.8	126	Pg	6:19:12.58	0.55
			Sg	19:14.04	-0.47
PSZ	60.3	86	Pg	6:19:20.34	0.72
			Sg	19:27.05	-0.97
PKST	105.6	229	Sg	6:19:41.57	-0.83
KECS	123.3	57	Pg	6:19:31.30	0.43
			Sg	19:46.54	-1.50

**1544.**

2024-10-16 time: 7:26:57.32 UTC ML= 1.6  
 lat: 47.857N lon: 20.164E h= 0.0 km  
 erh= 4.9km erz= 8.4km  
 nr= 9 gap=161 rms=1.10  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.3	289	PgU	7:27:02.59	1.46
			Sg	27:04.46	0.36
PENC	66.5	264	Sg	7:27:18.23	-0.24
KECS	73.6	19	Pg	7:27:10.48	0.00
			Sg	27:19.43	-1.30
ABAH	93.8	59	Pg	7:27:15.05	0.97
			Sg	27:25.55	-1.60
PKS7	117.6	220	Sg	7:27:33.94	-0.76
PKSG	143.0	249	Sn	7:27:39.33	-2.25

**1545.**

2024-10-16 time: 8:21:43.91 UTC ML= 2.4  
 lat: 46.812N lon: 17.261E h= 0.0 km  
 erh= 2.2km erz= 4.4km  
 nr= 16 gap=101 rms=1.00  
 Locality: Csersegtomaj  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	45.1	28	Pg	8:21:53.13	1.16
			Sg	21:58.08	-0.18
EGYH	67.5	5	Sg	8:22:05.43	0.06
PKST	77.0	50	Sg	8:22:08.03	-0.35
KOGS	87.3	242	Sg	8:22:12.12	0.46
CSKK	97.6	51	Sg	8:22:14.59	-0.33
KOVH	103.0	141	Sg	8:22:17.84	1.18
PKSG	107.3	53	Sg	8:22:17.84	-0.17
RCF6	113.1	242	Sg	8:22:18.57	-1.27
RONA	122.8	324	Sg	8:22:21.35	-1.59
S9BD	123.1	123	Sg	8:22:21.32	-1.72
MORH	125.1	122	Sg	8:22:22.60	-1.07
PKSM	125.2	122	Sg	8:22:23.15	-0.54
GROS	140.2	254	Pn	8:22:10.18	1.75
			Sn	22:27.17	-0.38
CONA	163.1	320	Sn	8:22:32.80	0.18

**1546.**

2024-10-16 time: 9:32:45.39 UTC ML= 1.6  
 lat: 46.026N lon: 22.793E h= 0.0 km  
 erh= 2.3km erz= 759km  
 nr= 8 gap=112 rms=0.54  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.0	152	Pg	9:32:48.26	-0.34
			Sg	32:51.09	-0.02
SURR	60.0	240	Sg	9:33:04.64	0.18
DRGR	85.4	356	Pg	9:33:00.62	-0.02
			Sg	33:11.21	-1.32
CJR	98.4	39	Sg	9:33:17.42	0.75
BZS	102.1	244	Pg	9:33:04.27	0.65
			Sg	33:17.33	-0.50

**1547.**

2024-10-16 time: 9:44:03.36 UTC ML= 1.0  
 lat: 47.910N lon: 16.095E h= 0.0 km  
 erh= 3.7km erz= 8.3km  
 nr= 9 gap= 93 rms=1.16  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.5	277	Pg	9:44:07.21	0.72
			Sg	44:08.35	-0.58
RONA	27.9	147	Pg	9:44:09.31	0.98
			Sg	44:11.96	-0.26
SOP	42.9	126	Pg	9:44:11.60	0.58
ARSA	85.0	210	Sg	9:44:29.03	-1.36
KRUC	130.0	10	Pg	9:44:27.35	0.79
			Sg	44:42.36	-2.31
JAVC	157.3	48	Sn	9:44:48.12	-2.68

**1548.**

2024-10-17 time: 4:31:15.12 UTC ML= 1.5  
 lat: 45.815N lon: 20.772E h= 1.2 km  
 erh= 5.0km erz= 8.4km  
 nr= 8 gap=132 rms=1.28  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	59.6	357	Pg	4:31:26.26	0.50
			Sg	31:32.24	-1.82
BZS	69.4	109	Pg	4:31:28.19	0.68
			Sg	31:36.66	-0.51
SURR	105.4	94	Sg	4:31:46.61	-2.02
FRGS	106.6	225	Sg	4:31:47.81	-1.19
DRGR	184.7	54	Pn	4:31:47.28	2.25
			Sn	32:09.24	0.88

**1549.**

2024-10-17 time: 10:00:18.53 UTC ML= 1.8  
 lat: 48.130N lon: 16.886E h= 0.0 km  
 erh= 3.4km erz= 4.1km  
 nr= 14 gap=141 rms=1.09  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.8	65	Pg	10:00:22.31	0.61
			Sg	00:24.20	0.03
SOP	55.3	206	Sg	10:00:33.63	-2.48
SMOL	58.7	43	Sg	10:00:35.61	-1.58
RONA	65.0	223	Pg	10:00:31.29	1.16

## Hypocenter Parameters

CONA 79.6 254 Sg 00:38.85 -0.34  
Pg 10:00:34.44 1.70  
Sg 00:43.56 -0.26  
KRUC 109.8 341 Pg 10:00:38.34 0.21  
Sg 00:52.84 -0.59  
VRAC 132.8 351 Pn 10:00:42.12 0.00  
Sn 00:58.98 -1.55  
ARSA 141.5 226 Sn 10:01:00.66 -1.79  
MORC 189.4 15 Sn 10:01:12.98 -0.10

1550.

2024-10-18 time: 6:54:10.90 UTC ML= 1.3  
lat: 48.482N lon: 20.938E h= 0.0 km  
erh= 5.6km erz= 832km  
nr= 5 gap=168 rms=0.48  
Locality: Szászfa  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	33.5	270	Pg	6:54:16.87	0.00
			Sg	54:20.56	-0.98
PSZ	99.7	231	Pg	6:54:29.30	0.59
			Sg	54:42.35	-0.25
KOLS	110.3	63	Sg	6:54:45.87	-0.09

1551.

2024-10-18 time: 11:03:16.21 UTC ML= 1.2  
lat: 46.155N lon: 18.019E h= 0.0 km  
erh= 2.4km erz= 452km  
nr= 9 gap=234 rms=0.34  
Locality: Hetvehely  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	9.7	140	PgU	11:03:18.02	0.08
			Sg	03:19.41	0.12
PKSV	34.7	149	Pg	11:03:22.21	-0.20
			Sg	03:26.39	-0.85
PKSM	48.4	83	Pg	11:03:25.27	0.41
			Sg	03:31.44	-0.17
MORH	48.7	82	Pg	11:03:25.23	0.32
			Sg	03:31.62	-0.07
PKS9	52.0	23	Sg	11:03:32.15	-0.59

1552.

2024-10-18 time: 22:32:48.06 UTC ML= 1.2  
lat: 46.015N lon: 22.028E h= 10.0 km  
erh= 3.6km erz=13.8km  
nr= 6 gap=175 rms=0.84  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	29.9	166	Pg	22:32:54.32	0.62
			Sg	32:57.56	-0.53
BZS	54.6	216	Pg	22:32:58.37	0.40
			Sg	33:04.46	-1.24
DRGR	101.1	31	Pg	22:33:06.74	0.54
			Sg	33:18.45	-1.90

1553.

2024-10-20 time: 0:34:18.98 UTC ML= 1.5  
lat: 46.023N lon: 22.037E h= 6.9 km  
erh= 2.8km erz= 3.5km  
nr= 8 gap=175 rms=0.42  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	30.7	167	PgU	0:34:25.17	0.57

## Földrengés paraméterek

BZS 55.8 216 Sg 34:28.59 -0.40  
Pg 0:34:28.95 -0.07  
Sg 34:36.52 -0.33  
DEV 68.9 103 Pg 0:34:31.18 -0.17  
DRGR 99.9 31 Pg 0:34:37.26 0.39  
Sg 34:49.67 -1.14  
CJR 142.5 57 Sn 0:35:01.57 0.02

1554.

2024-10-20 time: 4:15:51.73 UTC ML= 1.6  
lat: 48.758N lon: 19.228E h= 12.4 km  
erh= 4.1km erz= 4.3km  
nr= 10 gap=162 rms=0.71  
Locality: Slovakia  
Comments:

sta	dist	azm	phase	hr mn sec	res
LANS	47.0	22	Pg	4:16:00.98	0.57
			Sg	16:06.89	-0.29
ZBNS	59.9	314	Pg	4:16:02.88	0.23
			Sg	16:09.82	-1.34
KECS	97.6	108	P*	4:16:09.51	0.34
			S*	16:21.09	-1.69
PSZ	105.7	152	Pn	4:16:11.36	1.00
			Sn	16:24.03	-0.86
NIE	108.0	47	Pn	4:16:10.40	-0.26
			Sn	16:25.26	-0.16

1555.

2024-10-20 time: 5:44:17.05 UTC ML= 1.3  
lat: 45.902N lon: 18.566E h= 3.4 km  
erh= 1.6km erz= 1.8km  
nr= 19 gap=222 rms=0.39  
Locality: Tóttős  
Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	24.4	266	PgU	5:44:21.43	-0.01
			Sg	44:24.90	0.03
S9BD	34.0	5	PgD	5:44:23.39	0.24
			Sg	44:28.06	0.14
PKSM	34.9	10	PgD	5:44:23.34	0.03
			Sg	44:28.11	-0.08
MORH	35.4	10	PgD	5:44:23.47	0.08
			Sg	44:28.11	-0.23
KOVH	41.6	300	PgU	5:44:24.48	-0.02
			Sg	44:29.74	-0.57
PKB4	66.1	3	Pg	5:44:29.87	1.00
			Sg	44:37.95	-0.13
PKB3	75.6	40	Pg	5:44:30.07	-0.50
			Sg	44:41.03	-0.09
PKB5	78.1	10	Sg	5:44:41.56	-0.34
PKS9	79.3	344	Sg	5:44:39.75	-2.51*
PKS6	109.3	45	Pg	5:44:36.36	-0.21
PKST	156.2	345	Sn	5:45:03.10	-0.37
PKSG	166.1	355	Sn	5:45:06.72	1.05

1556.

2024-10-20 time: 13:21:37.15 UTC ML= 2.3  
lat: 46.032N lon: 16.006E h= 10.0 km  
erh= 1.1km erz= 1.2km  
nr= 55 gap= 52 rms=0.68  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	15.2	194	PgD	13:21:39.81	-0.58
			Sg	21:42.13	-0.79
R971	21.6	179	PgD	13:21:40.92	-0.48
			Sg	21:44.41	-0.31
ZAG	22.6	182	Sg	13:21:44.90	-0.11
GOLS	29.6	265	iPg	13:21:43.40	0.67

Földrengés paraméterek

Hypocenter Parameters

		iSg	21:48.01	0.93
RCF6	33.6 354	Pg	13:21:43.72	0.30
		Sg	21:48.83	0.52
GCIS	34.6 238	iPg	13:21:43.91	0.33
		iSg	21:48.92	0.33
CESS	42.5 261	iPg	13:21:45.72	0.77
		iSg	21:51.65	0.62
DOBS	43.5 287	ePg	13:21:45.84	0.72
		iSg	21:51.28	-0.05
CRES	48.3 242	Pg	13:21:46.23	0.26
		Sg	21:52.10	-0.74
KOGS	49.9 22	Pg	13:21:46.21	-0.03
		Sg	21:52.79	-0.55
LEGS	54.1 260	ePg	13:21:47.48	0.51
		eSg	21:54.29	-0.35
GROS	61.5 321	PgD	13:21:48.22	-0.05
		Sg	21:56.00	-0.95
BEHE	76.8 51	Pg	13:21:51.53	0.55
		Sg	22:00.87	-0.89
PKDS	78.1 272	iPg	13:21:51.49	0.29
		eSg	22:02.07	-0.10
BOJS	82.9 225	ePg	13:21:51.73	-0.34
		iSg	22:03.01	-0.70
ZAVS	87.9 301	iPg	13:21:53.26	0.32
		eSg	22:04.73	-0.53
VISS	94.0 254	iPg	13:21:53.60	-0.43
		eSg	22:07.75	0.56
PERS	95.8 314	Pg	13:21:53.58	-0.78
		Sg	22:05.83	-1.95
VNDS	101.2 274	iPg	13:21:55.09	-0.22
		eSg	22:08.80	-0.67
SOKA	103.7 314	P*	13:21:55.06	-0.68
		S*	22:08.08	-2.16
OBKA	124.2 295	Pn	13:21:58.65	0.26
		Sn	22:12.59	-2.36
ARSA	140.4 345	Pn	13:22:01.02	0.61
		Sn	22:16.24	-2.31
ROB8	160.3 263	Sn	13:22:25.22	2.24
KOVH	162.2 88	Pn	13:22:03.14	0.01
BLY	169.9 147	Pn	13:22:04.19	0.10
		Sn	22:24.86	-0.24
MPLH	172.7 43	Sn	13:22:25.24	-0.48
PKSV	174.9 95	Sn	13:22:26.55	0.34
TRI	177.7 258	Sn	13:22:29.66	2.82
RONA	186.7 7	Pn	13:22:07.84	1.66
		Sn	22:32.62	3.79*
SOP	188.3 13	Pn	13:22:07.25	0.86
MOA	241.6 327	Pn	13:22:13.42	0.39
BIOA	258.1 316	Pn	13:22:15.24	0.16
		Sn	22:43.73	-0.94

1557.

2024-10-20 time: 15:24:45.06 UTC ML= 1.6  
 lat: 46.029N lon: 22.032E h= 3.1 km  
 erh= 4.3km erz= 5.1km  
 nr= 7 gap=176 rms=0.53  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	31.4	167	PgU	15:24:51.00			0.30
			Sg	24:54.56			-0.53
BZS	56.1	215	Pg	15:24:55.42			0.33
			Sg	25:02.17			-0.74
DRGR	99.6	32	Pg	15:25:03.34			0.49
			Sg	25:15.59			-1.14
CJR	142.5	58	Sn	15:25:28.37			-0.14

1558.

2024-10-21 time: 5:31:21.42 UTC ML= 1.6  
 lat: 47.298N lon: 18.375E h= 0.0 km  
 erh= 1.8km erz= 2.5km  
 nr= 7 gap=112 rms=0.70  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.6	6	Sg	5:31:24.77			0.00
CSKK	11.3	310	PgU	5:31:24.18			0.74
			Sg	31:25.22			0.21
PKST	26.1	261	Sg	5:31:29.31			-0.41
PKSM	122.4	170	Sg	5:32:00.79			0.47
PSZ	133.5	59	Sn	5:32:02.43			-1.14
RONA	162.9	286	Sn	5:32:08.69			-1.40

1559.

2024-10-21 time: 6:45:28.95 UTC ML= 2.0  
 lat: 48.430N lon: 17.498E h= 0.0 km  
 erh= 3.1km erz= 3.4km  
 nr= 13 gap=164 rms=0.70  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	10.7	331	PgU	6:45:31.38			0.52
			Sg	45:32.06			-0.29
ZST	39.2	229	Pg	6:45:37.06			1.11
			Sg	45:40.66			-0.74
JAVC	49.4	15	Pg	6:45:37.24			-0.54
			Sg	45:44.94			0.28
KRUC	107.4	311	Pg	6:45:48.54			0.42
			Sg	46:01.82			-1.25
RONA	120.9	228	Pg	6:45:50.79			0.25
			Sg	46:06.32			-1.05
CONA	133.9	245	Pn	6:45:53.18			0.50
			Sn	46:09.93			-1.25
MPLH	140.1	179	Sn	6:46:11.95			-0.61

1560.

2024-10-21 time: 7:03:09.30 UTC ML= 1.5  
 lat: 47.298N lon: 18.346E h= 0.0 km  
 erh= 1.3km erz= 2.5km  
 nr= 11 gap=110 rms=0.40  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	9.7	318	Pg	7:03:11.22			0.18
			Sg	03:12.48			0.08
PKSG	11.0	18	Pg	7:03:11.48			0.22
			Sg	03:12.75			-0.04
PKST	24.0	260	Pg	7:03:13.46			-0.12
			Sg	03:16.98			0.05
MPLH	62.7	257	Sg	7:03:28.74			-0.50
PKSM	122.8	169	Pg	7:03:31.74			0.51
			Sg	03:46.87			-1.47
PSZ	135.3	59	Pn	7:03:33.24			0.03
			Sn	03:50.71			-1.15

1561.

2024-10-21 time: 8:01:55.84 UTC ML= 1.1  
 lat: 47.873N lon: 16.079E h= 0.0 km  
 erh= 1.7km erz= 2.7km  
 nr= 7 gap=130 rms=0.76  
 Locality: Austria  
 Comments: probably explosion

### Hypocenter Parameters

### Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CONA	17.4	291	Pg	8:01:59.57	0.63
			Sg	02:01.64	0.28
RONA	25.2	140	Pg	8:02:00.83	0.49
			Sg	02:04.07	0.22
ARSA	80.8	211	Sg	8:02:20.19	-1.33
KRUC	134.3	10	Pn	8:02:19.50	-0.12
			Sn	02:36.16	-2.01

1562.

2024-10-21 time: 8:19:45.25 UTC ML= 1.9  
 lat: 47.830N lon: 19.187E h= 0.0 km  
 erh= 3.4km erz= 4.0km  
 nr= 19 gap= 82 rms=1.44  
 Locality: Kosd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	8.4	122	Pg	8:19:48.27	1.53
			Sg	19:49.09	1.18
SF5A	36.6	155	Sg	8:19:56.32	-0.55
BUD	40.4	198	Sg	8:19:58.04	-0.07
PBUD	42.6	198	Sg	8:19:58.67	-0.13
PSZ	53.8	80	Pg	8:19:54.65	-0.21
			Sg	20:00.25	-2.11
PKSG	77.2	231	Sg	8:20:07.95	-1.84
CSKK	86.9	233	Sg	8:20:10.88	-2.00
PKST	107.5	234	Pg	8:20:05.87	1.41
			Sg	20:17.49	-1.94
KECS	120.9	53	Pg	8:20:07.68	0.85
			Sg	20:22.53	-1.14
LANS	148.3	8	Sn	8:20:27.91	-2.77
ZBNS	150.4	344	Sn	8:20:31.92	0.76
JAVC	160.4	316	Sn	8:20:33.09	-0.28
MORH	184.2	193	Sn	8:20:40.33	1.68
PKSM	184.7	193	Sn	8:20:37.98	-0.77
S9BD	185.8	194	Sn	8:20:42.48	3.47

1563.

2024-10-21 time: 8:24:28.92 UTC ML= 1.5  
 lat: 48.900N lon: 21.086E h= 0.0 km  
 erh= 5.6km erz= \*\*\*km  
 nr= 7 gap=148 rms=1.10  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	58.6	11	Pg	8:24:40.67	1.29
			Sg	24:46.30	-1.24
KECS	64.1	224	Pg	8:24:40.66	0.30
			Sg	24:48.22	-1.07
ABAH	68.2	170	Sg	8:24:49.66	-0.93
KOLS	87.1	88	Pg	8:24:45.39	0.91
			Sg	24:54.68	-1.94

1564.

2024-10-21 time: 8:25:55.14 UTC ML= 1.9  
 lat: 48.428N lon: 17.235E h= 0.0 km  
 erh= 2.4km erz= 772km  
 nr= 12 gap=144 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	17.2	56	Pg	8:25:57.96	-0.25
			Sg	25:59.98	-0.63
ZST	27.6	201	Pg	8:26:00.39	0.32
			Sg	26:03.54	-0.37
JAVC	57.7	34	Pg	8:26:05.97	0.53
			Sg	26:12.28	-1.20
KRUC	93.7	319	Pg	8:26:12.13	0.26
			Sg	26:25.25	0.33

RONA	107.0	221	Pg	8:26:14.80	0.55
			Sg	26:27.41	-1.75
CONA	116.3	241	Pg	8:26:16.42	0.52
			Sg	26:30.82	-1.27

1565.

2024-10-21 time: 9:35:37.15 UTC ML= 1.0  
 lat: 47.209N lon: 18.288E h= 0.0 km  
 erh= 1.3km erz= 443km  
 nr= 9 gap=145 rms=0.33  
 Locality: Iszkkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.2	353	Pg	9:35:40.31	0.09
			Sg	35:41.93	-0.69
PKST	20.0	286	Pg	9:35:40.94	0.23
			Sg	35:43.37	-0.12
PKSG	21.7	21	Sg	9:35:44.27	0.22
MPLH	56.9	266	Sg	9:35:55.17	-0.05
MORH	113.8	166	Sg	9:35:13.24	-0.07
PKSM	114.1	166	Pg	9:35:57.74	0.21
			Sg	36:12.10	-1.33

1566.

2024-10-21 time: 9:50:20.85 UTC ML= 2.0  
 lat: 48.850N lon: 21.667E h= 0.0 km  
 erh= 3.4km erz= 6.0km  
 nr= 16 gap= 67 rms=1.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	45.4	78	Pg	9:50:30.13	1.17
			Sg	50:34.45	-0.83
ABAH	69.2	207	Pg	9:50:32.65	-0.56
			Sg	50:40.71	-2.13
STHS	70.2	334	Pg	9:50:33.90	0.51
			Sg	50:41.29	-1.87
KECS	96.1	245	Pg	9:50:38.96	0.95
			Sg	50:49.57	-1.82
TRPA	102.8	141	Pg	9:50:40.08	0.88
			Sg	50:51.55	-1.96
KWP	115.3	41	Sg	9:50:54.45	-3.05
NIE	117.3	303	Pg	9:50:41.65	-0.15
			Sg	50:55.70	-2.44
LANS	164.4	282	Pn	9:50:50.12	1.74
PSZ	167.2	232	Pn	9:50:50.47	1.74
			Sn	51:10.84	0.35

1567.

2024-10-21 time: 10:11:58.95 UTC ML= 1.2  
 lat: 47.256N lon: 17.661E h= 0.0 km  
 erh= 2.6km erz= 2.8km  
 nr= 12 gap=121 rms=1.26  
 Locality: Németbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	13.3	224	Pg	10:12:02.85	1.53
			Sg	12:03.89	0.73
PKST	28.3	89	Pg	10:12:04.97	0.97
			Sg	12:08.09	0.16
EGYH	30.6	306	Sg	10:12:09.08	0.39
PKSG	57.2	75	Pg	10:12:09.81	0.65
			Sg	12:17.37	0.24
RONA	114.1	296	Sg	10:12:33.49	-1.71
KOVH	134.1	165	Sn	10:12:38.86	-2.37
PKSM	138.2	147	Sn	10:12:39.93	-2.21
CONA	154.6	299	Sn	10:12:43.92	-1.86
PSZ	183.4	66	Sn	10:12:51.78	-0.40



## Földrengés paraméterek

## Hypocenter Parameters

1568.

2024-10-21 time: 10:29:18.19 UTC ML= 1.1  
 lat: 47.367N lon: 17.635E h= 0.0 km  
 erh= 2.6km erz= 910km  
 nr= 9 gap=111 rms=0.68  
 Locality: Csót  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	23.1	198	Pg	10:29:22.67	0.36
			Sg	29:24.78	-0.74
EGYH	23.6	284	Sg	10:29:26.13	0.45
PKST	32.5	112	Pg	10:29:24.37	0.38
			Sg	29:27.35	-1.16
PKSG	57.1	87	Pg	10:29:29.26	0.88
			Sg	29:35.57	-0.77
ZST	100.4	337	Sg	10:29:49.85	-0.26
RONA	107.4	290	Sg	10:29:51.39	-0.93

1569.

2024-10-21 time: 11:00:10.80 UTC ML= 1.6  
 lat: 46.123N lon: 21.712E h= 0.0 km  
 erh= 2.1km erz= 4.1km  
 nr= 7 gap=101 rms=0.43  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	52.0	142	Sg	11:00:27.62	0.29
BZS	56.7	188	Pg	11:00:21.02	0.08
			Sg	00:28.22	-0.62
AMBH	80.2	288	Sg	11:00:36.38	0.09
DRGR	106.8	46	Pg	11:00:30.21	0.33
			Sg	00:43.53	-1.24
LTVH	141.0	6	Sn	11:00:54.75	0.13

1570.

2024-10-22 time: 8:33:59.79 UTC ML= 1.7  
 lat: 48.793N lon: 19.403E h= 0.0 km  
 erh= 2.5km erz= 5.9km  
 nr= 12 gap=120 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	40.0	7	Pg	8:34:07.32	0.38
			Sg	34:11.91	-0.61
ZBNS	67.3	304	Pg	8:34:12.17	0.36
			Sg	34:19.87	-1.32
KECS	86.9	113	Pg	8:34:16.36	1.05
			Sg	34:25.98	-1.44
NIE	96.3	44	Pg	8:34:17.02	0.04
PSZ	103.9	159	Pg	8:34:18.82	0.49
			Sg	34:31.79	-1.01
PENC	111.8	185	Pg	8:34:20.23	0.47
			Sg	34:34.78	-0.55
ABAH	146.5	112	Sn	8:34:43.42	-1.40

1571.

2024-10-22 time: 8:58:26.53 UTC ML= 0.9  
 lat: 46.167N lon: 18.310E h= 0.0 km  
 erh= 3.3km erz= 768km  
 nr= 11 gap=109 rms=0.61  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.4	242	Pg	8:58:29.96	0.14
			Sg	58:32.01	-0.38
S9BD	23.2	79	Pg	8:58:31.26	0.59

			Sg	58:33.00	-0.90
PKSM	26.1	79	Pg	8:58:31.71	0.53
			Sg	58:34.08	-0.73
MORH	26.4	78	Pg	8:58:31.67	0.44
			Sg	58:34.17	-0.73
PKSV	31.2	188	Pg	8:58:32.37	0.27
			Sg	58:35.70	-0.76
PKST	123.2	350	Sg	8:59:02.74	-2.96

1572.

2024-10-22 time: 9:46:04.91 UTC ML= 1.5  
 lat: 48.620N lon: 20.764E h= 0.0 km  
 erh= 2.9km erz= 823km  
 nr= 8 gap=114 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.6	233	Pg	9:46:09.78	0.31
			Sg	46:12.56	-0.47
ABAH	50.4	136	Pg	9:46:14.54	0.63
			Sg	46:20.31	-0.62
STHS	95.3	22	Pg	9:46:21.35	-0.57
PSZ	101.3	220	Pg	9:46:23.20	0.21
			Sg	46:35.35	-1.74
LANS	111.8	302	Pg	9:46:25.32	0.44

1573.

2024-10-22 time: 9:53:59.07 UTC ML= 1.9  
 lat: 47.314N lon: 18.491E h= 0.0 km  
 erh= 3.3km erz= \*\*\*km  
 nr= 9 gap=117 rms=0.86  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.5	319	PgU	9:54:01.97	0.85
			Sg	54:02.19	-0.52
CSKK	18.2	287	PgU	9:54:03.35	1.02
			Sg	54:04.21	-0.66
PKST	35.1	260	Sg	9:54:09.72	-0.50
MPLH	73.8	257	Sg	9:54:21.03	-1.50
MORH	122.7	175	Sg	9:54:38.22	0.15
PKSM	123.1	175	Sg	9:54:38.49	0.28
PSZ	125.1	58	Sg	9:54:37.58	-1.25

1574.

2024-10-22 time: 12:39:03.13 UTC ML= 1.5  
 lat: 47.410N lon: 16.226E h= 0.0 km  
 erh= 4.8km erz= 5.3km  
 nr= 9 gap=212 rms=0.74  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	32.7	9	PgU	12:39:09.37	0.41
			Sg	39:13.17	-0.34
SOP	39.4	39	Pg	12:39:10.36	0.20
			Sg	39:14.36	-1.29
ARSA	56.0	252	Sg	12:39:19.79	-1.13
CONA	63.8	335	Pg	12:39:15.71	1.19
			Sg	39:23.26	-0.16
KRUC	184.1	4	Pn	12:39:33.01	-0.11
			Sn	39:55.52	-1.00

## Hypocenter Parameters

## Földrengés paraméterek

1575.

2024-10-22 time: 13:10:24.52 UTC ML= 1.3  
 lat: 47.554N lon: 18.442E h= 0.0 km  
 erh= 3.4km erz= 5.2km  
 nr= 11 gap=104 rms=1.14  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	18.4	192	Pg	13:10:28.66	0.85
			Sg	10:31.31	0.94
CSKK	25.2	213	Pg	13:10:30.21	1.19
			Sg	10:33.04	0.51
SRO	30.5	342	Sg	13:10:34.41	0.20
BUD	44.5	100	Sg	13:10:39.21	0.54
PKST	44.9	223	Sg	13:10:37.86	-0.95
MPLH	80.4	238	Sg	13:10:48.20	-1.88
PSZ	116.3	70	Sg	13:10:59.97	-1.51
MORH	149.5	174	Sn	13:11:08.10	-2.13
PKSM	149.9	174	Sn	13:11:09.11	-1.21

1576.

2024-10-22 time: 14:34:03.36 UTC ML= 1.7  
 lat: 47.112N lon: 19.381E h= 0.0 km  
 erh= 1.6km erz= 198km  
 nr= 6 gap=186 rms=0.12  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.2	247	Pg	14:34:06.80	0.19
			Sg	34:09.02	-0.13
PSZ	97.6	23	Pg	14:34:20.75	-0.04
PKS9	102.4	235	Pg	14:34:21.66	0.02
MORH	114.5	210	Pg	14:34:23.64	-0.17
PKSM	115.0	210	Pg	14:34:23.96	0.07

1577.

2024-10-23 time: 3:46:49.70 UTC ML= 1.4  
 lat: 46.482N lon: 16.183E h= 10.0 km  
 erh= 6.1km erz= 8.1km  
 nr= 7 gap=168 rms=1.07  
 Locality: Slovenia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	6.4	126	Pg	3:46:51.73	-0.09
			Sg	46:52.95	-0.53
BEHE	45.5	92	Sg	3:47:04.73	0.21
PTJ	67.0	195	Pg	3:47:03.76	1.96
			Sg	47:10.39	-0.85
SOKA	90.8	284	Sg	3:47:17.81	-0.93
CREG	92.0	218	Sg	3:47:17.93	-1.20

1578.

2024-10-23 time: 6:47:53.40 UTC ML= 1.7  
 lat: 46.050N lon: 22.820E h= 0.0 km  
 erh= 3.6km erz= 995km  
 nr= 8 gap=167 rms=0.71  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.6	161	Pg	6:47:56.72	-0.18
			Sg	47:59.60	-0.03
SURR	63.2	239	Pg	6:48:05.24	0.55
			Sg	48:12.99	-0.50
DRGR	82.9	354	Pg	6:48:08.43	0.23
			Sg	48:18.51	-1.23
BZS	105.2	243	Pg	6:48:13.02	0.84

Sg 48:25.01 -1.83

1579.

2024-10-23 time: 9:46:32.82 UTC ML= 1.7  
 lat: 46.003N lon: 22.844E h= 0.0 km  
 erh= 3.2km erz= 6.5km  
 nr= 10 gap=117 rms=0.88  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	14.1	161	Pg	9:46:35.92	0.58
			Sg	46:37.67	0.38
SURR	62.4	244	Pg	9:46:43.85	-0.11
			Sg	46:51.95	-0.70
DRGR	88.3	353	Pg	9:46:49.25	0.66
			Sg	46:59.46	-1.42
BZS	104.7	246	Pg	9:46:52.31	0.80
			Sg	47:03.84	-2.25
VOIR	182.8	110	Pn	9:47:02.76	0.10
			Sn	47:24.01	-1.92

1580.

2024-10-23 time: 10:00:26.77 UTC ML= 1.9  
 lat: 48.147N lon: 16.859E h= 0.0 km  
 erh= 3.8km erz= 4.4km  
 nr= 14 gap=147 rms=1.16  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.9	73	Pg	10:00:29.81	-0.33
			Sg	00:31.35	-1.42
SMOL	58.7	46	Sg	10:00:44.01	-1.41
RONA	65.2	220	Pg	10:00:39.08	0.67
			Sg	00:46.17	-1.32
CONA	78.3	252	Sg	10:00:51.17	-0.48
JAVC	99.3	37	Pg	10:00:46.51	2.01
KRUC	107.3	341	Pg	10:00:47.14	1.21
			Sg	01:00.22	-0.66
VRAC	130.6	351	Pn	10:00:50.36	0.28
			Sn	01:06.11	-2.16
ARSA	141.4	225	Pn	10:00:52.25	0.81
			Sn	01:08.93	-1.75
MORC	188.0	15	Sn	10:01:20.53	-0.48

1581.

2024-10-23 time: 10:34:20.02 UTC ML= 1.6  
 lat: 45.545N lon: 17.863E h= 24.5 km  
 erh= 7.5km erz= 2.6km  
 nr= 12 gap=172 rms=0.43  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	48.7	38	Pg	10:34:29.42	0.03
			Sg	34:35.64	-1.05
KOVH	63.1	17	Pg	10:34:31.83	0.29
			Sg	34:39.39	-1.14
S9BD	93.4	38	Pn	10:34:36.04	0.29
			Sn	34:48.30	0.28
PKSM	95.6	39	Pn	10:34:36.34	0.32
			Sn	34:48.17	-0.33
MORH	96.1	39	Pn	10:34:36.07	-0.01
			Sn	34:48.65	0.04
BLY	103.4	211	Pn	10:34:37.20	0.21
			Sn	34:49.25	-0.98

## Földrengés paraméterek

## Hypocenter Parameters

1582.

---

2024-10-23 time: 13:30:17.30 UTC ML= 1.3  
 lat: 47.553N lon: 16.354E h= 0.0 km  
 erh= 1.8km erz= 3.3km  
 nr= 12 gap= 77 rms=0.59  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.8	345	PgU	13:30:20.52	0.21
			Sg	30:22.05	-0.61
SOP	21.1	47	PgU	13:30:21.55	0.47
			Sg	30:23.58	-0.44
CONA	55.7	319	Pg	13:30:28.12	0.87
			Sg	30:33.89	-1.11
ARSA	71.1	242	Sg	13:30:39.29	-0.63
MPLH	99.2	115	Sg	13:30:48.74	-0.10
KOGS	123.1	184	Sg	13:30:55.99	-0.45
GROS	137.6	208	Sn	13:31:00.76	0.39
KRUC	167.8	1	Pn	13:30:45.28	0.02
			Sn	31:04.28	-2.78*

1583.

---

2024-10-24 time: 6:48:13.37 UTC ML= 1.6  
 lat: 48.861N lon: 21.806E h= 0.0 km  
 erh= 4.7km erz= \*\*\*km  
 nr= 8 gap=137 rms=1.07  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	35.2	77	Pg	6:48:19.61	-0.04
			Sg	48:23.91	-0.64
STHS	74.2	326	Pg	6:48:26.83	0.22
			Sg	48:37.01	0.07
ABAH	75.5	214	Sg	6:48:37.87	0.50
KECS	106.0	247	Sg	6:48:44.62	-2.43
NIE	125.3	300	Pg	6:48:37.46	1.71
			Sg	48:51.64	-1.57

1584.

---

2024-10-24 time: 7:45:14.41 UTC ML= 1.1  
 lat: 47.883N lon: 16.083E h= 0.0 km  
 erh= 2.4km erz= 4.1km  
 nr= 7 gap=132 rms=0.82  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.3	287	Pg	7:45:17.99	0.49
			Sg	45:20.45	0.54
RONA	25.9	142	PgU	7:45:19.46	0.43
			Sg	45:23.06	0.43
ARSA	81.9	211	Sg	7:45:39.09	-1.36
KRUC	133.1	10	Pn	7:45:37.92	-0.12
			Sn	45:53.95	-2.53

1585.

---

2024-10-24 time: 8:26:49.88 UTC ML= 2.1  
 lat: 48.391N lon: 17.323E h= 0.0 km  
 erh= 3.5km erz= 3.8km  
 nr= 23 gap=119 rms=1.29  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	15.8	30	Pg	8:26:53.95	1.25
			Sg	26:55.38	0.48
ZST	27.1	217	Pg	8:26:55.50	0.77
			Sg	26:57.91	-0.59

JAVC 58.1 26 Pg 8:27:01.26 1.01  
 Sg 27:07.57 -0.77  
 KRUC 101.1 318 Pg 8:27:08.08 0.13  
 Sg 27:20.51 -1.53  
 RONA 108.5 225 Pg 8:27:10.61 1.36  
 Sg 27:22.94 -1.42  
 VRAC 115.2 332 Pg 8:27:09.80 -0.66  
 Sg 27:24.83 -1.69  
 CONA 120.3 245 Pg 8:27:11.60 0.24  
 Sg 27:27.04 -1.07  
 CSKK 134.1 148 Sn 8:27:29.64 -2.52  
 PKST 136.6 157 Pn 8:27:15.20 1.24  
 Sn 27:29.94 -2.79  
 MPLH 136.7 173 Sn 8:27:30.66 -2.08  
 MORC 155.0 6 Pn 8:27:15.84 -0.40  
 Sn 27:35.66 -1.14  
 ARSA 185.0 227 Pn 8:27:20.38 0.39  
 Sn 27:42.78 -0.69  
 KRLC 191.5 348 Pn 8:27:24.26 3.47

1586.

---

2024-10-24 time: 8:34:17.78 UTC ML= 1.6  
 lat: 48.600N lon: 20.757E h= 0.0 km  
 erh= 2.3km erz= 7.4km  
 nr= 14 gap= 87 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.9	237	Pg	8:34:22.36	0.32
			Sg	34:25.10	-0.26
ABAH	49.2	133	Pg	8:34:26.90	0.33
			Sg	34:32.39	-1.03
NIE	96.7	340	Sg	8:34:47.80	-0.71
STHS	97.6	21	Pg	8:34:36.08	0.88
			Sg	34:48.30	-0.49
PSZ	99.2	220	Pg	8:34:36.80	1.30
			Sg	34:47.98	-1.34
LANS	112.6	303	Pg	8:34:38.30	0.41
			Sg	34:51.99	-1.59
KOLS	117.5	72	Pg	8:34:39.47	0.71
			Sg	34:53.61	-1.52
TRPA	142.0	112	Sn	8:34:59.65	-2.18

1587.

---

2024-10-24 time: 9:00:18.53 UTC ML= 1.9  
 lat: 46.884N lon: 17.274E h= 0.0 km  
 erh= 2.8km erz= 5.7km  
 nr= 18 gap= 92 rms=1.37  
 Locality: Várkölyg  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	37.7	32	Pg	9:00:26.52	1.26
			Sg	00:30.49	-0.02
EGYH	59.5	4	Sg	9:00:37.34	-0.09
PKST	71.2	54	Pg	9:00:32.29	1.04
			Sg	00:40.49	-0.69
PKS9	83.6	113	Pg	9:00:35.45	1.99
CSKK	91.9	55	Sg	9:00:45.53	-2.21
KOGS	92.1	238	Pg	9:00:36.62	1.65
			Sg	00:46.88	-0.92
PKSG	101.8	56	Sg	9:00:50.03	-0.86
SOP	104.1	329	Sg	9:00:50.84	-0.77
KOVH	108.8	144	Pg	9:00:38.33	0.37
			Sg	00:51.38	-1.74
MORH	128.7	125	Pg	9:00:42.02	0.51
PKSM	128.8	125	Pg	9:00:41.57	0.05
			Sg	00:57.06	-2.40
PKSV	133.8	146	Sn	9:00:58.59	-2.16
ARSA	139.1	287	Sn	9:00:58.59	-3.33

### Hypocenter Parameters

### Földrengés paraméterek

1588.  
 2024-10-24 time: 9:17:09.66 UTC ML= 0.8  
 lat: 47.210N lon: 18.286E h= 0.0 km  
 erh= 2.5km erz= 824km  
 nr= 10 gap=145 rms=0.64  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	17.2	354	Pg	9:17:13.15			0.43
			Sg		17:14.19		-0.92
PKST	19.8	286	Pg	9:17:13.63			0.44
			Sg		17:15.27		-0.68
PKSG	21.7	21	Pg	9:17:14.01			0.47
			Sg		17:15.99		-0.58
MPLH	56.7	266	Pg	9:17:19.77			-0.02
MORH	113.8	166	Sg	9:17:43.77			-2.07
PKSM	114.2	166	Pg	9:17:30.65			0.59
			Sg		17:44.99		-0.98

1589.  
 2024-10-25 time: 6:26:45.53 UTC ML= 1.6  
 lat: 47.879N lon: 19.102E h= 0.0 km  
 erh= 3.6km erz= 822km  
 nr= 9 gap=187 rms=0.62  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	16.7	126	Pg	6:26:48.94			0.43
			Sg		26:50.29		-0.54
PSZ	59.4	86	Pg	6:26:56.68			0.54
			Sg		27:03.89		-0.53
CSKK	85.4	228	Sg	6:27:12.31			-0.35
PKST	105.8	229	Pg	6:27:04.83			0.40
			Sg		27:18.07		-1.10
KECS	122.9	57	Pg	6:27:07.71			0.23
			Sg		27:22.48		-2.12

1590.  
 2024-10-25 time: 7:17:13.10 UTC ML= 1.8  
 lat: 48.977N lon: 21.285E h= 0.0 km  
 erh= 2.8km erz= 5.2km  
 nr= 12 gap= 86 rms=0.89  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	49.0	357	Pg	7:17:22.60			0.76
			Sg		17:28.28		-0.38
KOLS	72.6	94	Pg	7:17:26.67			0.61
			Sg		17:36.48		0.31
KECS	80.5	227	Pg	7:17:28.29			0.82
			Sg		17:37.38		-1.30
NIE	86.2	305	Pg	7:17:29.08			0.59
			Sg		17:39.17		-1.32
KWP	126.5	55	Sg	7:17:51.17			-2.14
TRPA	132.1	135	Pn	7:17:36.40			-0.21
			Sn		17:52.79		-2.15
PSZ	156.3	221	Pn	7:17:39.55			-0.08

1591.  
 2024-10-25 time: 8:23:06.65 UTC ML= 1.4  
 lat: 47.908N lon: 20.405E h= 0.0 km  
 erh= 6.3km erz= 3.4km  
 nr= 7 gap=244 rms=0.78  
 Locality: Eger  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	38.2	272	Pg	8:23:14.13			0.67
			Sg		23:18.08		-0.69
KECS	64.2	5	Pg	8:23:18.72			0.61
			Sg		23:25.89		-1.17
PENC	85.1	261	Sg	8:23:32.32			-1.36
PKSG	161.8	249	Sn	8:23:55.00			-0.09
CSKK	172.2	249	Sn	8:23:57.91			0.54

1592.  
 2024-10-25 time: 8:45:46.17 UTC ML= 1.5  
 lat: 45.653N lon: 17.279E h= 21.4 km  
 erh= 1.8km erz= 2.2km  
 nr= 14 gap=113 rms=0.36  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOVH	80.0	53	Pg	8:45:59.89			-0.34
			Sg		46:10.84		-0.35
PKSV	80.1	71	Pg	8:46:00.16			-0.08
			Sg		46:10.88		-0.33
BLY	100.8	184	Sn	8:46:15.75			-0.54
PTJ	106.4	285	Pn	8:46:04.24			0.45
			Sn		46:17.32		-0.21
KOGS	119.0	318	Pn	8:46:05.31			-0.05
			Sn		46:20.07		-0.26
S9BD	119.9	59	Pn	8:46:05.76			0.29
PKSM	122.6	60	Pn	8:46:06.50			0.69
			Sn		46:21.34		0.21
MORH	123.0	59	Pn	8:46:05.96			0.10
			Sn		46:20.73		-0.49
CRES	143.1	278	Sn	8:46:28.54			2.85*

1593.  
 2024-10-25 time: 12:03:02.42 UTC ML= 2.0  
 lat: 47.309N lon: 18.392E h= 0.0 km  
 erh= 2.0km erz= 2.9km  
 nr= 21 gap= 85 rms=0.93  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	9.2	359	PgU	12:03:03.91			-0.15
			Sg		03:04.35		-0.99
CSKK	11.6	301	PgU	12:03:05.02			0.53
			Sg		03:05.67		-0.44
PKST	27.6	258	Pg	12:03:08.02			0.67
			Sg		03:10.17		-1.03
BUD	51.5	68	Sg	12:03:18.45			-0.34
PKB1	65.8	152	Pg	12:03:16.16			1.99
MPLH	66.4	257	Pg	12:03:14.85			0.58
			Sg		03:22.59		-0.93
MORH	123.1	171	Pg	12:03:24.83			0.44
			Sg		03:40.52		-1.02
PKSM	123.5	171	Pg	12:03:24.76			0.29
			Sg		03:40.24		-1.42
S9BD	123.6	172	Sg	12:03:41.57			-0.13
PSZ	131.7	59	Pn	12:03:25.57			-0.31
			Sn		03:41.91		-2.26
KOVH	137.5	189	Sn	12:03:45.09			-0.38
RONA	163.7	285	Sn	12:03:50.01			-1.27
JAVC	180.5	343	Sn	12:03:55.13			0.12
ZBNS	203.7	5	Sn	12:04:02.58			2.43
ABAH	239.9	63	Sn	12:04:13.96			5.78*

**Földrengés paraméterek****Hypocenter Parameters**

1594.

---

2024-10-26 time: 7:25:15.42 UTC ML= 2.4  
 lat: 45.648N lon: 21.879E h= 15.9 km  
 erh= 5.8km erz= 2.8km  
 nr= 13 gap=171 rms=0.88  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	20.7	260	Pg	7:25:19.51			-0.57
			Sg		25:22.03		-1.69
SURR	22.5	58	PgD	7:25:20.80			0.47
			Sg		25:23.46		-0.71
TIM	52.2	281	Pg	7:25:25.56			0.40
BANR	65.2	243	Pg	7:25:28.17			0.78
			Sg		25:37.03		0.30
DEV	83.9	72	S*	7:25:40.53			-1.63
AMBH	118.6	311	Sn	7:25:49.24			-1.42
DRGR	142.4	27	Pn	7:25:39.41			1.22
			Sn		25:56.17		0.23
R1E1	158.3	0	Sn	7:25:59.77			0.31
PSZ	294.4	329	Pn	7:25:58.83			1.70

1595.

---

2024-10-26 time: 7:35:18.22 UTC ML= 0.8  
 lat: 45.598N lon: 21.698E h= 20.7 km  
 erh= 8.4km erz= 3.9km  
 nr= 5 gap=226 rms=0.61  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	6.7	288	PgU	7:35:22.21			0.12
			Sg		35:24.36		-0.75
SURR	37.5	62	Pg	7:35:26.46			0.65
			Sg		35:30.66		-1.06
DRGR	154.0	31	Sn	7:36:00.47			0.21

1596.

---

2024-10-26 time: 9:06:58.46 UTC ML= 1.0  
 lat: 46.139N lon: 18.317E h= 0.0 km  
 erh= 1.3km erz=17.2km  
 nr= 13 gap=118 rms=0.38  
 Locality: Vasas  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.7	252	PgU	9:07:01.22			-0.41
			Sg		07:03.92		-0.18
S9BD	23.5	71	Pg	9:07:02.91			0.26
			Sg		07:06.06		0.14
PKSM	26.3	72	Pg	9:07:03.20			0.05
			Sg		07:06.71		-0.10
MORH	26.6	71	Pg	9:07:03.38			0.17
			Sg		07:06.71		-0.21
PKSV	28.3	190	Pg	9:07:03.92			0.41
			Sg		07:07.30		-0.15
PKS9	49.9	357	Sg	9:07:14.90			0.58
PKS2	79.4	60	Sg	9:07:22.64			-1.05
PKSG	139.4	2	Sn	9:07:39.48			-2.44*

1597.

---

2024-10-26 time: 10:47:26.10 UTC ML= 2.1  
 lat: 46.167N lon: 16.063E h= 5.5 km  
 erh= 2.0km erz= 1.8km  
 nr= 20 gap= 95 rms=0.69  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RCF6	20.1	337	Pg	10:47:29.59			-0.24
			Sg		47:31.18		-1.55
PTJ	30.8	195	Sg	10:47:35.91			-0.12
KOGS	34.4	25	Pg	10:47:32.77			0.44
			Sg		47:38.88		1.70
CRES	60.3	231	Pg	10:47:37.13			0.21
			Sg		47:45.29		-0.07
PERS	89.5	306	Pg	10:47:42.44			0.32
			Sg		47:53.84		-0.77
SOKA	97.5	306	Pg	10:47:43.67			0.14
			Sg		47:57.23		0.10
ARSA	127.3	341	Pn	10:47:48.50			0.19
			Sn		48:04.88		-0.76
TIH	162.3	60	Sn	10:48:11.51			-1.90
ROB8	167.1	258	Pn	10:47:52.92			-0.35
			Sn		48:15.21		0.75
RONA	171.3	6	Sn	10:48:18.81			3.41
PKSV	172.3	100	Sn	10:48:14.80			-0.82
TRI	185.4	254	Pn	10:47:55.59			0.04
			Sn		48:19.26		0.73
CONA	196.4	356	Sn	10:48:25.39			4.42*

1598.

---

2024-10-27 time: 19:46:07.08 UTC ML= 1.0  
 lat: 46.031N lon: 22.064E h= 10.0 km  
 erh= 1.2km erz= 4.5km  
 nr= 5 gap=173 rms=0.56  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	31.1	171	PgU	19:46:13.49			0.57
			Sg		46:17.13		-0.34
BZS	57.7	217	Pg	19:46:17.82			0.28
			Sg		46:24.57		-1.12
DRGR	98.1	30	Sg	19:46:38.00			-0.43

1599.

---

2024-10-27 time: 22:52:04.23 UTC ML= 1.1  
 lat: 46.314N lon: 16.079E h= 6.5 km  
 erh= 5.3km erz= 9.7km  
 nr= 9 gap=180 rms=1.02  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RCF6	9.4	283	Pg	22:52:06.27			0.00
			Sg		52:07.51		-0.36
KOGS	19.9	41	Pg	22:52:07.66			-0.31
			Sg		52:10.44		-0.45
GROS	47.3	290	Pg	22:52:14.42			1.66
			Sg		52:21.17		1.76
CRES	72.5	222	Sg	22:52:26.77			-0.60
PERS	82.1	296	Sg	22:52:29.24			-1.17
SOKA	89.9	297	Sg	22:52:31.40			-1.49

1600.

---

2024-10-28 time: 8:55:42.74 UTC ML= 1.0  
 lat: 47.882N lon: 16.088E h= 0.0 km  
 erh= 1.6km erz= 2.4km  
 nr= 8 gap=129 rms=0.94  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	17.7	287	Pg	8:55:46.69			0.79
			Sg		55:48.83		0.46
RONA	25.5	142	PgU	8:55:48.15			0.85
			Sg		55:51.11		0.25
ARSA	82.0	211	Sg	8:56:07.48			-1.34
KRUC	133.2	10	Pn	8:56:06.50			0.12

## Hypocenter Parameters

## Földrengés paraméterek

Sn 56:22.95 -1.88  
 VRAC 163.0 13 Sn 8:56:29.96 -1.48

1601.

2024-10-28 time: 10:27:28.57 UTC ML= 1.5  
 lat: 48.594N lon: 20.763E h= 0.0 km  
 erh= 2.0km erz= 840km  
 nr= 12 gap= 87 rms=0.69  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.9	239	Pg	10:27:32.95	0.12
			Sg	27:36.16	0.01
ABAH	48.4	133	Pg	10:27:37.33	0.12
			Sg	27:43.36	-0.59
NIE	97.5	340	Sg	10:27:58.93	-0.62
STHS	98.1	21	Pg	10:27:47.43	1.35
			Sg	27:59.09	-0.64
PSZ	99.0	221	Pg	10:27:46.80	0.56
			Sg	27:59.24	-0.79
LANS	113.4	303	Pg	10:27:49.15	0.33
			Sg	28:03.55	-1.06
KOLS	117.3	71	Sg	10:28:04.72	-1.13

1602.

2024-10-29 time: 8:08:48.11 UTC ML= 1.8  
 lat: 48.897N lon: 21.051E h= 0.0 km  
 erh= 2.4km erz= 4.4km  
 nr= 11 gap= 95 rms=0.67  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	59.5	14	Pg	8:08:59.29	0.55
			Sg	09:06.32	-0.71
KECS	62.0	222	Pg	8:08:59.37	0.18
			Sg	09:07.33	-0.50
ABAH	68.2	168	Pg	8:09:00.94	0.64
			Sg	09:08.68	-1.12
NIE	79.2	317	Sg	8:09:12.81	-0.47
KOLS	89.7	87	Pg	8:09:04.68	0.55
			Sg	09:15.36	-1.26
PSZ	138.4	218	Pn	8:09:12.88	0.47
			Sn	09:30.24	-1.12

1603.

2024-10-29 time: 10:10:02.29 UTC ML= 0.7  
 lat: 47.212N lon: 18.265E h= 0.0 km  
 erh= 1.8km erz= 607km  
 nr= 9 gap=140 rms=0.46  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.8	359	Pg	10:10:05.74	0.45
			Sg	10:06.97	-0.66
PKST	18.3	287	Pg	10:10:06.09	0.54
			Sg	10:08.07	-0.02
PKSG	22.1	25	Pg	10:10:06.50	0.26
			Sg	10:08.80	-0.52
MPLH	55.2	265	Sg	10:10:19.18	-0.66
PKSM	114.9	166	Sg	10:10:38.44	-0.36
KOVH	125.6	186	Sg	10:10:41.77	-0.43

1604.

2024-10-29 time: 11:35:43.74 UTC ML= 1.6  
 lat: 47.796N lon: 19.703E h= 0.0 km  
 erh= 2.6km erz= 4.0km  
 nr= 14 gap=109 rms=0.94  
 Locality: Apc  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.8	46	Pg	11:35:47.78	0.51
			Sg	35:50.86	0.83
PENC	31.6	269	Sg	11:35:54.91	1.14
PKS7	92.7	206	Sg	11:36:12.38	-0.83
KECS	96.1	37	Pg	11:36:01.68	0.78
			Sg	36:13.62	-0.67
PKSN	100.7	173	Sg	11:36:16.25	0.51
PKSG	108.4	246	Pg	11:36:03.65	0.55
			Sg	36:18.25	0.04
CSKK	118.7	246	Sg	11:36:20.19	-1.28
ABAH	127.4	64	Pg	11:36:06.69	0.21
			Sg	36:22.09	-2.13
PKST	139.1	245	Sn	11:36:25.17	-1.97
LANS	151.6	353	Sn	11:36:28.14	-1.78

1605.

2024-10-29 time: 22:34:01.82 UTC ML= 0.6  
 lat: 45.799N lon: 21.768E h= 3.9 km  
 erh= 2.2km erz=15.1km  
 nr= 6 gap=200 rms=0.38  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	23.5	210	PgU	22:34:06.16	0.08
			Sg	34:09.08	-0.31
SURR	28.2	100	Pg	22:34:07.16	0.25
			Sg	34:10.13	-0.74
TIM	43.1	261	Pg	22:34:09.94	0.38
			Sg	34:15.06	-0.53

1606.

2024-10-30 time: 8:34:07.56 UTC ML= 1.5  
 lat: 48.630N lon: 20.734E h= 0.0 km  
 erh= 4.2km erz= \*\*\*km  
 nr= 8 gap=155 rms=0.85  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	228	Pg	8:34:12.02	0.08
			Sg	34:15.23	-0.13
ABAH	52.7	135	Pg	8:34:17.91	0.94
			Sg	34:23.72	-0.60
STHS	95.1	23	Sg	8:34:37.87	0.09
PSZ	100.7	218	Pg	8:34:26.18	0.63
			Sg	34:38.14	-1.44
KOLS	118.0	73	Sg	8:34:42.98	-2.10

1607.

2024-10-30 time: 9:18:25.88 UTC ML= 1.9  
 lat: 48.433N lon: 17.240E h= 0.0 km  
 erh= 3.3km erz= 905km  
 nr= 12 gap=144 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	16.6	57	PgU	9:18:29.13	0.29
			Sg	18:30.87	-0.28
ZST	28.2	201	Pg	9:18:31.03	0.11

## Földrengés paraméterek

## Hypocenter Parameters

			Sg	18:34.29	-0.57
JAVC	57.0	34	Pg	9:18:36.69	0.62
			Sg	18:42.83	-1.18
KRUC	93.6	318	Pg	9:18:43.31	0.72
			Sg	18:53.06	-2.57
SOP	97.6	211	Pg	9:18:43.08	-0.24
RONA	107.7	221	Pg	9:18:45.36	0.25
			Sg	18:57.84	-2.27
CONA	116.9	241	Pg	9:18:47.19	0.44

1608.

2024-10-30 time: 11:10:35.48 UTC ML= 1.5  
 lat: 46.009N lon: 22.031E h= 10.0 km  
 erh= 3.5km erz=13.3km  
 nr= 6 gap=175 rms=0.75  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	29.3	166	PgU	11:10:41.53	0.52
			Sg	10:45.02	-0.30
BZS	54.2	216	Pg	11:10:45.80	0.47
			Sg	10:51.83	-1.18
DRGR	101.5	31	Pg	11:10:54.02	0.33
			Sg	11:06.07	-1.83

1609.

2024-10-30 time: 15:31:35.87 UTC ML= 2.3  
 lat: 48.215N lon: 21.251E h= 0.0 km  
 erh= 2.9km erz= 3.4km  
 nr= 12 gap=156 rms=0.85  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	9.0	355	PgU	15:31:36.98	-0.49
			Sg	31:38.05	-0.67
KECS	64.1	298	Sg	15:31:54.75	-1.48
TRPA	96.3	96	Pg	15:31:53.66	0.60
			Sg	32:05.16	-1.31
PSZ	106.4	252	Pg	15:31:55.38	0.52
			Sg	32:09.18	-0.50
KOLS	109.8	43	Pg	15:31:56.67	1.19
			Sg	32:09.64	-1.13
STHS	133.6	360	Sn	15:32:17.75	-0.28
NIE	150.5	333	Sn	15:32:22.33	0.54
LANS	167.5	308	Sn	15:32:26.62	1.06

1610.

2024-10-31 time: 0:53:20.93 UTC ML= 1.4  
 lat: 45.953N lon: 22.086E h= 8.1 km  
 erh= 8.7km erz= 9.6km  
 nr= 7 gap=190 rms=0.62  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	22.3	172	PgU	0:53:25.71	0.55
			Sg	53:29.23	0.77
BZS	52.2	224	Pg	0:53:29.78	-0.58
			Sg	53:37.20	-0.52
DEV	63.9	97	Sg	0:53:40.48	-0.91
CJR	143.9	54	Pn	0:53:45.47	0.60
			Sn	54:03.24	-0.30

1611.

2024-10-31 time: 7:13:28.69 UTC ML= 1.9  
 lat: 45.823N lon: 20.625E h= 12.5 km  
 erh= 2.2km erz= 2.2km  
 nr= 15 gap=113 rms=0.69  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	59.1	8	Pg	7:13:39.12	-0.36
			Sg	13:48.01	0.12
BZS	80.6	107	Pg	7:13:43.67	0.42
			Sg	13:54.03	-0.58
FRGS	99.5	220	P*	7:13:46.83	0.43
			S*	13:59.15	-1.06
SURR	116.9	94	Pn	7:13:49.35	0.65
			Sn	14:03.58	-0.74
PKS6	118.9	317	Sn	7:14:03.98	-0.79
PKB3	129.1	301	Sn	7:14:06.25	-0.78
MORH	159.5	286	Sn	7:14:13.73	-0.03
PKSM	159.5	286	Pn	7:13:56.48	2.46
			Sn	14:13.96	0.18
S9BD	162.1	285	Sn	7:14:14.14	-0.21
DRGR	193.5	56	Sn	7:14:21.45	0.14

1612.

2024-10-31 time: 9:41:28.13 UTC ML= 0.8  
 lat: 47.838N lon: 16.028E h= 0.0 km  
 erh= 1.2km erz= 2.1km  
 nr= 6 gap=116 rms=1.11  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.0	309	Pg	9:41:31.67	0.67
			Sg	41:33.70	0.47
RONA	25.3	127	Pg	9:41:33.32	0.67
			Sg	41:36.35	0.18
ARSA	75.5	210	Sg	9:41:50.64	-1.51
KRUC	138.8	11	Sn	9:42:08.72	-2.74

1613.

2024-10-31 time: 10:06:12.57 UTC ML= 0.7  
 lat: 47.244N lon: 18.247E h= 0.0 km  
 erh= 3.4km erz= 432km  
 nr= 6 gap=242 rms=0.26  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.3	5	Pg	10:06:15.18	0.24
			Sg	06:17.14	0.36
PKST	16.2	276	Pg	10:06:15.54	0.09
			Sg	06:17.19	-0.51
PKSG	19.7	34	Pg	10:06:15.95	-0.13
			Sg	06:18.51	-0.32

1614.

2024-10-31 time: 10:26:13.32 UTC ML= 1.9  
 lat: 46.086N lon: 21.706E h= 12.6 km  
 erh= 5.1km erz= 6.3km  
 nr= 9 gap=104 rms=0.60  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	49.1	139	Pg	10:26:22.77	0.39
			Sg	26:28.71	-0.73
BZS	52.6	188	Pg	10:26:23.24	0.26
			Sg	26:29.91	-0.60

### Hypocenter Parameters

AMBH 81.2 291 Sg 10:26:38.77 -0.66  
 DRGR 110.1 45 Pn 10:26:32.59 0.11  
 Sn 26:45.52 -1.89  
 BORR 111.8 3 Pn 10:26:33.47 0.78  
 Sn 26:47.62 -0.18

1615.

2024-10-31 time: 12:00:11.88 UTC ML= 1.9  
 lat: 48.129N lon: 16.863E h= 0.0 km  
 erh= 2.8km erz= 3.0km  
 nr= 15 gap=127 rms=1.05  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	19.3	67	Pg	12:00:15.10	-0.23
			Sg	00:17.15	-0.87
RONA	63.8	222	Pg	12:00:24.07	0.79
			Sg	00:31.47	-0.70
CONA	78.0	253	Pg	12:00:27.36	1.55
			Sg	00:36.14	-0.53
JAVC	100.8	36	Pg	12:00:31.58	1.70
KRUC	109.3	342	Pg	12:00:31.83	0.42
			Sg	00:46.00	-0.64
VRAC	132.7	351	Pn	12:00:34.71	-0.75
			Sn	00:51.28	-2.56
ARSA	140.2	226	Pn	12:00:36.23	-0.17
			Sn	00:53.85	-1.67
MORC	189.9	15	Sn	12:01:05.87	-0.68
KOGS	192.5	194	Sn	12:01:05.77	-1.36

1616.

2024-11-01 time: 20:34:21.73 UTC ML= 0.5  
 lat: 47.779N lon: 16.169E h= 10.0 km  
 erh= 2.2km erz= 1.9km  
 nr= 9 gap=103 rms=0.44  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	13.0	133	PgU	20:34:24.93	0.27
			Sg	34:26.78	-0.17
CONA	28.4	306	Pg	20:34:27.21	0.11
			Sg	34:31.30	0.01
SOP	31.1	110	Pg	20:34:27.69	0.13
WINA	37.2	349	Sg	20:34:33.53	-0.43
ARSA	76.3	220	Sg	20:34:44.85	-1.35
MOA	142.8	273	Pn	20:34:45.91	0.62
KRUC	143.6	7	Sn	20:35:03.14	-0.70

1617.

2024-11-02 time: 1:56:17.13 UTC ML= 1.9  
 lat: 45.721N lon: 16.063E h= 12.5 km  
 erh= 2.6km erz= 1.4km  
 nr= 13 gap=143 rms=0.51  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	13.1	336	PgD	1:56:20.34	-0.03
			Sg	56:22.60	-0.29
PTJ	21.5	338	Pg	1:56:21.20	-0.37
			Sg	56:24.34	-0.69
CRES	48.6	284	Pg	1:56:26.34	0.25
			Sg	56:32.67	-0.41
KOGS	82.1	10	Pg	1:56:32.74	0.78
			Sg	56:43.26	-0.26
GROS	93.0	332	P*	1:56:34.57	0.72
			S*	56:46.00	-0.90
PERS	125.2	324	Pn	1:56:38.54	0.36
			Sn	56:54.41	-0.19
BLY	139.4	141	Sn	1:56:57.01	-0.74

### Földrengés paraméterek

1618.

2024-11-02 time: 5:11:33.95 UTC ML= 1.5  
 lat: 47.785N lon: 16.126E h= 11.5 km  
 erh= 2.0km erz= 1.7km  
 nr= 11 gap=115 rms=0.47  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.9	127	Pg	5:11:37.64	0.19
			Sg	11:39.98	-0.21
CONA	25.4	309	Pg	5:11:38.93	0.01
			Sg	11:42.86	0.06
ARSA	74.8	217	Pg	5:11:47.75	0.28
			Sg	11:57.10	-0.91
KRUC	143.3	8	Pn	5:11:57.52	0.13
			Sn	12:14.66	-1.01
VRAC	172.8	12	Pn	5:12:01.38	0.32
			Sn	12:21.46	-0.76
TREC	174.3	344	eSn	5:12:23.60	1.05
ZVC	232.7	322	eSn	5:12:38.80	3.30*
KHC	240.6	308	eSn	5:12:40.50	3.23*

1619.

2024-11-03 time: 7:06:09.70 UTC ML= 1.7  
 lat: 46.142N lon: 16.176E h= 10.0 km  
 erh= 1.7km erz= 1.7km  
 nr= 17 gap=191 rms=0.39  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RCF6	27.0	322	Pg	7:06:14.88	0.03
			Sg	06:18.94	0.08
PTJ	31.7	212	Pg	7:06:15.90	0.25
			Sg	06:20.14	-0.14
KOGS	34.5	10	Pg	7:06:15.90	-0.22
			Sg	06:20.86	-0.26
R971	36.2	201	Pg	7:06:15.90	-0.50
ZAG	37.5	202	Pg	7:06:16.80	0.16
			Sg	06:22.13	0.08
GOLS	45.1	251	iPg	7:06:18.65	0.70
			eSg	06:24.30	-0.08
GCIS	52.3	234	iPg	7:06:19.56	0.35
			iSg	06:25.98	-0.65
CRES	65.9	238	Pg	7:06:21.70	0.10
			Sg	06:30.16	-0.72
ARSA	133.0	338	Pn	7:06:32.48	0.44
			Sn	06:48.68	-0.77

1620.

2024-11-03 time: 11:59:36.73 UTC ML= 0.6  
 lat: 47.831N lon: 16.231E h= 1.4 km  
 erh= 4.8km erz=52.3km  
 nr= 5 gap=192 rms=0.35  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.4	162	PgU	11:59:39.65	0.16
			Sg	59:41.45	-0.20
SOP	29.5	124	Sg	11:59:45.76	-0.36
CONA	29.7	291	Pg	11:59:42.43	0.40
			Sg	59:45.56	-0.61



## Földrengés paraméterek

## Hypocenter Parameters

1621.

2024-11-03 time: 14:32:48.39 UTC ML= 0.3  
 lat: 45.727N lon: 21.827E h= 8.7 km  
 erh= 0.6km erz= 0.4km  
 nr= 5 gap=151 rms=0.04  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.4	233	Pg	14:32:52.35	0.00
			Sg	32:55.46	0.02
SURR	23.4	83	Sg	14:32:56.28	-0.04
AMBH	109.8	309	Sn	14:33:23.26	-0.05
DRGR	136.6	30	Sn	14:33:29.34	0.08

1622.

2024-11-04 time: 14:23:34.52 UTC ML= 0.8  
 lat: 47.564N lon: 16.362E h= 0.0 km  
 erh= 2.6km erz= 4.8km  
 nr= 8 gap=160 rms=0.57  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	15.9	342	PgU	14:23:37.42	0.06
			Sg	23:39.24	-0.34
SOP	19.8	48	PgU	14:23:38.47	0.41
			Sg	23:40.20	-0.63
CONA	55.3	317	Pg	14:23:45.09	0.70
			Sg	23:51.07	-1.02
ARSA	72.3	241	Sg	14:23:57.78	0.28
GROS	139.0	208	Sn	14:24:16.91	-0.98

1623.

2024-11-04 time: 15:23:12.60 UTC ML= 1.4  
 lat: 48.612N lon: 20.805E h= 0.0 km  
 erh= 5.9km erz= \*\*\*km  
 nr= 7 gap=193 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.6	239	Pg	15:23:17.79	0.26
			Sg	23:20.89	-0.48
ABAH	47.6	138	Pg	15:23:21.07	-0.03
			Sg	23:28.10	0.37
PSZ	102.6	221	Pg	15:23:31.85	0.93
			Sg	23:43.26	-1.94
KOLS	113.7	72	Sg	15:23:47.73	-1.00

1624.

2024-11-04 time: 17:20:55.62 UTC ML= 1.4  
 lat: 45.938N lon: 16.016E h= 6.7 km  
 erh= 0.9km erz= 1.0km  
 nr= 7 gap=222 rms=0.10  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.2	227	Pg	17:20:57.44	0.20
			Sg	20:58.40	-0.11
ZAG	12.2	188	Pg	17:20:58.05	-0.06
			Sg	20:59.97	-0.08
CRES	45.1	254	Pg	17:21:03.78	0.01
			Sg	21:10.13	0.00
GROS	70.4	326	Sg	17:21:18.07	-0.03

1625.

2024-11-05 time: 7:31:34.50 UTC ML= 1.2  
 lat: 47.320N lon: 18.461E h= 0.0 km  
 erh= 3.0km erz= \*\*\*km  
 nr= 9 gap=115 rms=0.77  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.6	327	PgU	7:31:36.57	0.36
			Sg	31:37.07	-0.47
CSKK	15.9	288	Pg	7:31:37.84	0.51
			Sg	31:39.35	-0.19
PKST	32.9	258	Sg	7:31:43.58	-1.39
MORH	123.5	173	Sg	7:32:13.23	-0.53
PKSM	124.0	174	Pg	7:31:57.80	1.17
			Sg	32:13.57	-0.33
PSZ	126.7	58	Sg	7:32:13.50	-1.26

1626.

2024-11-05 time: 9:29:41.29 UTC ML= 1.8  
 lat: 48.074N lon: 19.640E h= 0.0 km  
 erh= 1.9km erz= 5.1km  
 nr= 8 gap=108 rms=0.44  
 Locality: Nógrádmegyer  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	25.7	132	Pg	9:29:46.19	0.31
			Sg	29:49.02	-0.44
PENC	41.4	220	Pg	9:29:49.15	0.47
			Sg	29:53.57	-0.88
KECS	77.5	54	Sg	9:30:06.26	0.33
LANS	120.4	354	Sg	9:30:19.61	0.06
ABAH	121.5	78	Sg	9:30:19.23	-0.67
ZBNS	138.9	328	Pn	9:30:05.53	-0.12

1627.

2024-11-05 time: 10:56:19.48 UTC ML= 1.9  
 lat: 48.702N lon: 19.142E h= 0.0 km  
 erh= 3.0km erz= 6.0km  
 nr= 17 gap= 86 rms=1.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	55.3	26	Pg	10:56:29.86	0.50
			Sg	56:36.80	-0.26
ZBNS	60.4	323	Pg	10:56:30.60	0.34
			Sg	56:38.17	-0.50
PENC	101.9	174	Pg	10:56:38.81	1.13
			Sg	56:49.95	-1.92
KECS	102.1	104	Pg	10:56:38.63	0.92
			Sg	56:50.68	-1.25
PSZ	103.5	147	Pg	10:56:38.26	0.29
			Sg	56:50.13	-2.25
JAVC	109.5	279	Pg	10:56:39.91	0.87
			Sg	56:52.33	-1.96
NIE	117.0	47	Pg	10:56:41.19	0.82
			Sg	56:53.60	-3.07
SMOL	128.1	261	Sg	10:56:58.17	-2.02
ABAH	161.5	106	Pn	10:56:47.76	1.11
			Sn	57:07.12	-0.72

## Hypocenter Parameters

## Földrengés paraméterek

1628.

2024-11-05 time: 17:28:16.65 UTC ML= 0.4  
 lat: 48.029N lon: 20.233E h= 10.0 km  
 erh= 4.3km erz= 4.6km  
 nr= 7 gap=158 rms=0.65  
 Locality: Szűcs  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	28.1	244	Pg	17:28:22.71			0.74
			Sg	28:27.31			1.18
KECS	53.9	20	Sg	17:28:34.30			0.23
PENC	75.9	250	Pg	17:28:29.44			-0.88
			Sg	28:40.51			-0.47
BSZH	81.1	178	Pg	17:28:31.00			-0.25
LANS	136.9	336	Sn	17:28:57.24			-0.03

1629.

2024-11-06 time: 4:32:36.03 UTC ML= 1.0  
 lat: 47.532N lon: 18.468E h= 11.1 km  
 erh= 9.5km erz= 4.5km  
 nr= 10 gap=201 rms=0.93  
 Locality: Szárliget  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	16.7	201	PgD	4:32:40.08			0.47
			Sg	32:41.35			-1.06
CSKK	24.5	220	PgD	4:32:41.19			0.36
			Sg	32:43.66			-0.92
PKST	44.7	227	PgÜ	4:32:44.57			0.32
			Sg	32:49.80			-0.87
PSZ	115.3	68	Sn	4:33:10.37			-1.23
PKB4	115.6	175	Sn	4:33:10.64			-1.04
PKSM	147.4	175	Pn	4:33:02.17			2.15
			Sn	33:18.87			0.14

1630.

2024-11-06 time: 6:55:20.26 UTC ML= 1.5  
 lat: 47.874N lon: 19.203E h= 0.0 km  
 erh= 7.6km erz= 858km  
 nr= 5 gap=267 rms=0.39  
 Locality: Felsőpetény  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	11.0	148	Pg	6:55:22.16			-0.07
			Sg	55:23.39			-0.38
PSZ	52.0	85	Pg	6:55:30.01			0.47
			Sg	55:36.95			0.17
KECS	117.0	55	Sg	6:55:56.72			-0.73

1631.

2024-11-06 time: 10:10:24.60 UTC ML= 0.9  
 lat: 47.227N lon: 18.265E h= 0.0 km  
 erh= 2.1km erz= 614km  
 nr= 8 gap=138 rms=0.44  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	15.1	359	Pg	10:10:27.61			0.31
			Sg	10:29.11			-0.30
PKST	17.8	281	Pg	10:10:28.11			0.32
			Sg	10:29.71			-0.56
PKSG	20.6	27	Pg	10:10:28.61			0.33
			Sg	10:30.58			-0.57
PKSM	116.5	166	Pg	10:10:45.41			0.01
			Sg	11:00.07			-1.55

1632.

2024-11-06 time: 10:50:38.72 UTC ML= 1.4  
 lat: 47.899N lon: 19.115E h= 0.0 km  
 erh= 4.3km erz= 822km  
 nr= 6 gap=189 rms=0.47  
 Locality: Rétság  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	17.4	134	Pg	10:50:42.10			0.27
			Sg	50:43.66			-0.59
PSZ	58.4	88	Pg	10:50:49.59			0.45
			Sg	50:57.40			0.13
PKST	108.0	229	Sg	10:51:12.81			-0.25
KECS	120.9	58	Sg	10:51:16.10			-1.04

1633.

2024-11-06 time: 16:06:00.66 UTC ML= 1.7  
 lat: 46.209N lon: 16.624E h= 13.4 km  
 erh= 1.7km erz= 1.4km  
 nr= 16 gap=140 rms=0.50  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	31.3	22	Pg	16:06:06.43			-0.32
			Sg	06:11.43			-0.07
KOGS	39.2	313	Sg	16:06:14.30			0.47
PTJ	61.9	236	Sg	16:06:20.50			-0.29
GROS	90.8	288	P*	16:06:16.87			-0.10
			S*	06:28.80			-0.89
CRES	99.9	245	P*	16:06:18.30			-0.05
			S*	06:31.59			-0.55
KOVH	114.8	97	Pn	16:06:20.10			-0.20
			Sn	06:34.20			-1.42
PERS	125.2	292	Sn	16:06:39.05			1.13
SOKA	132.9	293	Sn	16:06:40.08			0.45
PKSM	155.7	90	Pn	16:06:26.13			0.73
			Sn	06:44.93			0.24
PKB4	155.7	78	Sn	16:06:45.45			0.75
MORH	155.9	90	Pn	16:06:25.71			0.29

1634.

2024-11-07 time: 9:41:02.78 UTC ML= 1.3  
 lat: 47.556N lon: 18.666E h= 0.0 km  
 erh= 2.9km erz= 4.2km  
 nr= 12 gap=177 rms=0.78  
 Locality: Szomor  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	27.6	229	Pg	9:41:07.93			0.22
			Sg	41:11.01			-0.55
BUD	28.1	107	Sg	9:41:12.01			0.29
CSKK	37.3	235	Pg	9:41:10.28			0.83
			Sg	41:14.98			0.33
PENC	53.1	61	Sg	9:41:20.05			0.39
PKST	58.0	235	Sg	9:41:22.06			0.85
MPLH	95.3	243	Sg	9:41:31.46			-1.61
PSZ	100.6	66	Sg	9:41:34.11			-0.65
PKB2	107.3	156	Sg	9:41:36.91			0.03
MORH	148.9	181	Sn	9:41:45.98			-2.38
KOVH	168.7	195	Sn	9:41:51.91			-0.84

## Földrengés paraméterek

## Hypocenter Parameters

1635.

2024-11-07 time: 9:42:11.44 UTC ML= 1.5  
 lat: 48.611N lon: 20.758E h= 0.0 km  
 erh= 2.7km erz= \*\*\*km  
 nr= 11 gap= 85 rms=0.83  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	235	Pg	9:42:16.63	0.79
			Sg	42:18.96	-0.31
ABAH	49.9	135	Pg	9:42:20.92	0.56
			Sg	42:26.95	-0.36
STHS	96.4	22	Pg	9:42:29.05	0.40
			Sg	42:40.60	-1.47
PSZ	100.2	220	Pg	9:42:29.19	-0.15
			Sg	42:41.79	-1.51
LANS	112.1	302	Pg	9:42:32.56	1.11
			Sg	42:46.17	-0.89
KOLS	117.0	72	Pg	9:42:47.36	-1.26
			Sg		

1636.

2024-11-07 time: 10:02:20.08 UTC ML= 0.7  
 lat: 47.205N lon: 18.307E h= 0.0 km  
 erh= 2.9km erz= 717km  
 nr= 7 gap=150 rms=0.47  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.9	349	Pg	10:02:23.66	0.38
			Sg	02:25.05	-0.73
PKST	21.5	286	Pg	10:02:24.25	0.33
			Sg	02:26.35	-0.57
PKSG	21.7	17	Pg	10:02:24.47	0.52
			Sg	02:26.35	-0.63
PKSM	113.3	167	Pg	10:02:40.01	-0.30
			Sg		

1637.

2024-11-07 time: 10:03:41.41 UTC ML= 1.5  
 lat: 48.958N lon: 21.302E h= 0.0 km  
 erh= 3.3km erz= 5.3km  
 nr= 11 gap=136 rms=0.99  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	51.2	355	Pg	10:03:51.41	0.86
			Sg	03:56.98	-0.69
KOLS	71.2	92	Pg	10:03:53.96	-0.17
			Sg	04:05.10	1.06
KECS	80.0	229	Pg	10:03:56.02	0.33
			Sg	04:05.47	-1.36
NIE	88.4	305	Pg	10:03:58.12	0.92
			Sg	04:09.48	-0.04
KWP	126.7	54	Pg	10:04:17.84	-3.85
			Sg		
LANS	135.8	279	Pn	10:04:05.42	0.05
			Sn	04:21.86	-2.20

1638.

2024-11-07 time: 10:37:50.11 UTC ML= 1.0  
 lat: 47.846N lon: 16.037E h= 0.0 km  
 erh= 3.1km erz= 4.8km  
 nr= 7 gap=119 rms=0.97  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.0	305	Pg	10:37:53.84	0.87
			Sg	37:55.26	0.06

RONA	25.3	130	Pg	10:37:55.62	0.98
			Sg	37:57.95	-0.22
ARSA	76.6	210	Sg	10:38:13.19	-1.28
			Pn	10:38:14.02	-0.31
KRUC	137.8	11	Sg	38:30.86	-2.36
			Sn		

1639.

2024-11-07 time: 11:20:25.74 UTC ML= 0.7  
 lat: 47.213N lon: 18.223E h= 0.0 km  
 erh= 3.0km erz= 978km  
 nr= 9 gap=131 rms=0.73  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	15.2	290	Pg	11:20:28.74	0.29
			Sg	20:30.02	-0.55
CSKK	17.0	10	Pg	11:20:28.84	0.07
			Sg	20:30.28	-0.86
PKSG	23.6	32	Pg	11:20:30.69	0.74
			Sg	20:32.90	-0.34
MORH	115.4	164	Sg	11:21:01.06	-1.35
			Pg	11:20:47.35	0.95
PKSM	115.7	164	Sg	21:01.28	-1.24

1640.

2024-11-07 time: 13:10:11.40 UTC ML= 1.3  
 lat: 46.064N lon: 22.051E h= 0.0 km  
 erh= 7.3km erz= \*\*\*km  
 nr= 6 gap=178 rms=0.71  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	35.0	171	Pg	13:10:18.08	0.44
			Sg	10:22.31	-0.20
BZS	60.1	214	Pg	13:10:22.56	0.43
			Sg	10:29.31	-1.19
DRGR	95.5	32	Pg	13:10:28.86	0.41
			Sg	10:40.18	-1.57

1641.

2024-11-08 time: 6:45:05.02 UTC ML= 1.6  
 lat: 48.024N lon: 20.356E h= 0.0 km  
 erh= 5.7km erz= \*\*\*km  
 nr= 5 gap=174 rms=0.48  
 Locality: Mónosbél  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	36.4	251	Pg	6:45:11.97	0.44
			Sg	45:15.58	-1.02
KECS	52.0	11	Pg	6:45:14.60	0.30
			Sg	45:20.92	-0.62
BSZH	80.8	185	Pg	6:45:19.41	-0.04

1642.

2024-11-08 time: 8:12:56.95 UTC ML= 1.8  
 lat: 45.915N lon: 16.014E h= 10.0 km  
 erh= 1.9km erz= 1.8km  
 nr= 12 gap=165 rms=0.36  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.7	249	PgU	8:12:58.94	0.02
			Sg	13:00.12	-0.34
R971	8.6	182	Pg	8:12:59.14	-0.17
			Pg	8:12:59.42	-0.02
ZAG	9.7	189	Pg	8:12:59.42	-0.02
			Sg	13:01.08	-0.30

## Hypocenter Parameters

GCIS 30.5 260 iPg 8:13:03.01 0.33  
 iSg 13:06.63 -0.52  
 CRES 44.4 257 Pg 8:13:05.92 0.84  
 Sg 13:11.54 0.13  
 KOGS 62.0 17 Pg 8:13:08.27 0.10  
 Sg 13:16.94 0.02  
 SOKA 113.6 318 Sn 8:13:31.69 -0.73

1643.

2024-11-08 time: 9:43:20.20 UTC ML= 1.5  
 lat: 48.579N lon: 20.764E h= 0.0 km  
 erh= 2.8km erz= \*\*\*km  
 nr= 13 gap= 90 rms=0.98  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.2	243	Pg	9:43:24.13			-0.21
			Sg	43:27.78			0.22
ABAH	47.2	132	Pg	9:43:28.69			0.07
			Sg	43:35.26			0.07
PSZ	97.8	221	Pg	9:43:38.00			0.33
			Sg	43:51.33			0.04
NIE	99.1	341	Pg	9:43:39.92			2.03
			Sg	43:53.07			1.38
STHS	99.6	21	Pg	9:43:38.00			0.02
			Sg	43:50.82			-1.02
LANS	114.4	304	Pg	9:43:39.69			-0.94
			Sg	43:54.02			-2.55
KOLS	117.7	70	Sg	9:43:56.03			-1.59

1644.

2024-11-08 time: 11:44:37.64 UTC ML= 1.2  
 lat: 47.047N lon: 17.842E h= 0.0 km  
 erh= 2.8km erz= \*\*\*km  
 nr= 14 gap=134 rms=0.89  
 Locality: Nemesvámos  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	16.8	167	Pg	11:44:41.00			0.36
			Sg	44:42.44			-0.54
MPLH	26.7	301	Pg	11:44:42.79			0.38
			Sg	44:45.21			-0.93
PKST	27.7	32	Pg	11:44:43.19			0.61
			Sg	44:45.96			-0.48
PKSG	56.5	47	Pg	11:44:48.13			0.40
			Sg	44:53.87			-1.73
PKB1	78.0	112	Pg	11:44:52.60			1.03
			Sg	45:03.42			0.98
MORH	111.0	146	Pg	11:44:57.43			-0.02
			Sg	45:10.35			-2.55
PKSM	111.2	147	Pg	11:44:57.34			-0.15
			Sg	45:10.22			-2.76

1645.

2024-11-09 time: 3:19:25.05 UTC ML= 1.9  
 lat: 47.804N lon: 16.127E h= 6.2 km  
 erh= 1.8km erz= 1.6km  
 nr= 35 gap= 50 rms=0.96  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	17.2	132	PgU	3:19:28.60			0.28
			Sg	19:30.86			-0.01
CONA	24.2	305	Pg	3:19:29.51			0.01
			Sg	19:33.52			0.54
WINA	33.9	353	Pg	3:19:31.64			0.43
			Sg	19:36.37			0.36
SOP	35.0	113	Pg	3:19:31.74			0.34
			Sg	19:36.11			-0.25

## Földrengés paraméterek

ARSA 76.5 216 Pg 3:19:38.00 -0.76  
 Sg 19:47.84 -1.62  
 ZST 84.8 59 Pg 3:19:39.60 -0.64  
 Sg 19:51.41 -0.68  
 EGYH 100.3 115 Pg 3:19:43.11 0.12  
 Sg 19:56.35 -0.64  
 ABNA 109.2 332 Pg 3:19:43.78 -0.80  
 Sg 19:56.99 -2.83  
 SMOL 124.9 51 Pn 3:19:47.43 0.57  
 MPLH 127.7 124 Pn 3:19:46.47 -0.74  
 Sn 20:03.29 -1.20  
 MOA 139.4 272 Pn 3:19:49.96 1.29  
 Sn 20:06.73 -0.37  
 KRUC 141.2 8 Pn 3:19:48.47 -0.42  
 Sn 20:05.69 -1.81  
 SOKA 150.2 213 Sn 3:20:09.55 0.08  
 PERS 150.8 211 Pn 3:19:52.10 2.02  
 KOGS 151.1 176 Sn 3:20:09.24 -0.44  
 PKST 155.9 113 Pn 3:19:52.34 1.62  
 Sn 20:12.34 1.59  
 JAVC 163.9 44 Pn 3:19:53.54 1.82  
 VRAC 170.8 12 Pn 3:19:52.54 -0.04  
 Sn 20:12.44 -1.61  
 TREC 172.3 344 ePn 3:19:53.60 0.83  
 eSn 20:13.00 -1.40  
 PKSG 176.3 105 Sn 3:20:14.03 -1.25  
 BIOA 187.0 266 Sn 3:20:20.05 2.39  
 PRU 269.3 334 eSn 3:20:40.10 4.19\*  
 UPC 300.7 358 eSn 3:20:48.80 5.91\*

1646.

2024-11-09 time: 3:25:11.34 UTC ML= 1.2  
 lat: 47.777N lon: 16.116E h= 11.4 km  
 erh= 1.6km erz= 1.1km  
 nr= 15 gap= 96 rms=0.45  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.0	122	PgU	3:25:15.19			0.34
			Sg	25:17.70			0.12
CONA	25.4	312	Pg	3:25:16.31			0.00
			Sg	25:19.98			-0.22
SOP	34.8	107	Pg	3:25:18.09			0.22
			Sg	25:23.02			0.05
ARSA	73.6	217	Sg	3:25:34.53			-0.48
			S*	3:25:42.28			-0.85
EGYH	99.8	114	S*	3:25:42.28			-0.85
			Pn	3:25:30.17			-0.66
ABNA	111.6	333	Pn	3:25:30.17			-0.66
			Sn	25:43.44			-2.59*
MOA	138.8	273	Sn	3:25:52.66			0.59
			Pn	3:25:35.11			0.19
KRUC	144.4	8	Pn	3:25:35.11			0.19
			Sn	25:52.63			-0.68
VRAC	173.9	12	Pn	3:25:39.31			0.71
			Sn	26:00.15			0.28

1647.

2024-11-10 time: 14:34:43.81 UTC ML= 1.5  
 lat: 48.724N lon: 22.285E h= 0.0 km  
 erh= 2.8km erz= 5.0km  
 nr= 11 gap=166 rms=0.74  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOLS	23.3	358	PgU	14:34:48.31			0.34
			Sg	34:51.24			0.03
TRPA	68.6	164	Pg	14:34:55.79			-0.28
			Sg	35:05.05			-0.58
ABAH	90.7	238	Pg	14:35:00.04			0.03
			Sg	35:12.97			0.32
STHS	108.3	315	PgU	14:35:03.83			0.68
			Sg	35:17.63			-0.60
KECS	135.4	259	Sn	14:35:24.20			-2.18

## Földrengés paraméterek

## Hypocenter Parameters

PSZ 198.6 243 Sn 14:35:44.06 3.64  
 DRGR 217.2 172 Sn 14:35:47.74 3.20

Sg 17:06.02 -1.29  
 KECS 90.9 248 Pg 10:16:59.68 0.10  
 Sg 17:11.30 -0.93  
 TRPA 99.4 137 Pg 10:17:01.30 0.19  
 Sg 17:13.73 -1.22  
 NIE 119.0 306 Pg 10:17:05.30 0.70  
 KWP 122.3 40 Sg 10:17:19.94 -2.30

1648.

2024-11-10 time: 20:22:27.67 UTC ML= 0.4  
 lat: 45.579N lon: 21.848E h= 18.5 km  
 erh= 9.7km erz= 2.6km  
 nr= 6 gap=201 rms=0.55  
 Locality: Romania  
 Comments:

1652.

2024-11-12 time: 0:47:46.70 UTC ML= 1.8  
 lat: 45.713N lon: 17.443E h= 10.0 km  
 erh= 1.8km erz= 1.5km  
 nr= 20 gap=118 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.6	283	Pg	20:22:33.01	0.66
			Sg	22:35.73	-0.28
SURR	29.0	48	Pg	20:22:34.11	0.30
			Sg	22:37.85	-0.76
BANR	59.9	249	S*	20:22:46.61	-0.85
DRGR	150.3	26	Sn	20:23:09.23	-0.10

sta	dist	azm	phase	hr mn sec	res
R93E	56.0	231	Pg	0:47:56.59	-0.26
			Sg	48:04.92	0.15
PKSV	65.9	73	Pg	0:47:59.30	0.70
			Sg	48:07.49	-0.39
KOVH	65.9	51	Pg	0:47:58.79	0.19
			Sg	48:07.08	-0.80
BEHE	98.8	328	Pg	0:48:04.48	0.06
			Sg	48:17.17	-1.08
PKSM	108.2	59	Pn	0:48:06.14	0.20
			Sn	48:18.88	-2.08
MORH	108.6	59	Pn	0:48:06.14	0.14
			Sn	48:19.25	-1.80
BLY	109.0	191	Pn	0:48:05.68	-0.37
			Sn	48:20.63	-0.51
KOGS	123.3	312	Pn	0:48:08.21	0.39
			Sn	48:23.35	-0.95
PKB4	125.1	46	Sn	0:48:25.55	0.85
CRE5	155.0	275	Pn	0:48:12.66	0.88
			Sn	48:31.11	-0.23
GROS	171.6	299	Pn	0:48:14.23	0.38

1649.

2024-11-11 time: 3:33:37.58 UTC ML= 1.4  
 lat: 48.377N lon: 22.171E h= 13.1 km  
 erh= 1.3km erz= 1.5km  
 nr= 8 gap=128 rms=0.25  
 Locality: Tiszabezdéd  
 Comments:

1653.

2024-11-12 time: 9:15:55.45 UTC ML= 1.4  
 lat: 47.872N lon: 19.114E h= 0.0 km  
 erh= 8.4km erz= \*\*\*km  
 nr= 6 gap=215 rms=0.76  
 Locality: Szendehegy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TRPA	38.7	135	Pg	3:33:44.81	-0.07
			Sg	33:50.40	-0.17
KOLS	62.3	7	Pg	3:33:49.26	0.31
			Sg	33:57.29	-0.52
ABAH	69.7	263	Pg	3:33:50.22	-0.02
			Sg	34:00.24	0.12
KECS	125.3	275	Pn	3:33:58.80	0.24
			Sn	34:14.61	-0.32
PSZ	177.0	253	Sn	3:34:31.00	4.61*

sta	dist	azm	phase	hr mn sec	res
PENC	15.5	126	Pg	9:15:59.07	0.85
			Sg	15:59.93	-0.45
PSZ	58.6	85	Pg	9:16:06.37	0.45
			Sg	16:12.54	-1.54
PKSG	76.2	226	Sg	9:16:19.47	-0.19
PKST	106.0	230	Sg	9:16:28.47	-0.68

1650.

2024-11-11 time: 9:15:47.13 UTC ML= 1.8  
 lat: 47.891N lon: 20.152E h= 0.0 km  
 erh= 5.3km erz= 4.5km  
 nr= 10 gap=186 rms=0.96  
 Locality: Tarnaszentmária  
 Comments: probably explosion

1654.

2024-11-12 time: 9:19:25.37 UTC ML= 1.9  
 lat: 48.421N lon: 17.211E h= 0.0 km  
 erh= 2.3km erz= 833km  
 nr= 15 gap=140 rms=0.72  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.5	279	PgU	9:15:51.33	0.72
			Sg	15:53.06	-0.26
PENC	66.1	260	Pg	9:15:59.54	0.61
			Sg	16:07.20	-0.94
KECS	70.4	21	Pg	9:16:00.94	1.24
			Sg	16:08.07	-1.43
ABAH	92.7	61	Pg	9:16:04.15	0.46
			Sg	16:14.91	-1.69
PKSG	143.5	247	Sn	9:16:30.29	-1.21
LANS	148.9	340	Sn	9:16:31.91	-0.79

sta	dist	azm	phase	hr mn sec	res
SMOL	19.1	57	Pg	9:19:28.74	-0.05
			Sg	19:30.50	-0.95
ZST	26.3	198	Pg	9:19:31.05	0.98
			Sg	19:33.61	-0.12
JAVC	59.3	35	Pg	9:19:36.80	0.83
			Sg	19:42.88	-1.35
KRUC	93.2	320	Pg	9:19:42.25	0.24
			Sg	19:53.82	-1.16
SOP	95.4	211	Pg	9:19:42.48	0.07

1651.

2024-11-11 time: 10:16:43.36 UTC ML= 1.5  
 lat: 48.788N lon: 21.629E h= 0.0 km  
 erh= 3.1km erz= \*\*\*km  
 nr= 10 gap=111 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	49.9	71	Pg	10:16:52.42	0.15
			Sg	16:59.35	0.12
STHS	75.4	338	Pg	10:16:57.97	1.16

## Hypocenter Parameters

RONA 105.3 220 Sg 19:54.81 -0.88  
 Pg 9:19:44.68 0.51  
 Sg 19:56.98 -1.86  
 VRAC 108.6 335 Pg 9:19:44.91 0.15  
 CONA 114.3 241 Pg 9:19:46.18 0.39  
 Sg 20:00.77 -0.95

1655.

2024-11-12 time: 9:46:26.46 UTC ML= 1.8  
 lat: 48.333N lon: 19.899E h= 0.0 km  
 erh= 2.3km erz= 3.9km  
 nr= 17 gap= 88 rms=0.93  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	46.1	180	Pg	9:46:34.24	-0.45
			Sg	46:40.72	-0.38
KECS	46.5	69	Pg	9:46:34.60	-0.17
			Sg	46:41.26	0.01
PENC	75.9	217	Sg	9:46:50.63	0.06
LANS	96.3	341	Pg	9:46:43.61	-0.06
			Sg	46:55.31	-1.77
ABAH	99.5	92	Pg	9:46:45.77	1.54
			Sg	46:57.11	-0.97
NIE	124.6	14	Pg	9:46:49.01	0.31
			Sg	47:05.04	-1.01
ZBNS	128.4	314	Pg	9:46:50.27	0.88
			Sg	47:05.94	-1.34
PKSG	153.9	227	Pn	9:46:52.04	-0.65
STHS	155.7	39	Pn	9:46:56.03	3.11
			Sn	47:13.83	0.28
JAVC	174.5	290	Sn	9:47:18.15	0.43

1656.

2024-11-12 time: 10:06:31.34 UTC ML= 0.9  
 lat: 47.243N lon: 18.267E h= 0.0 km  
 erh= 2.7km erz= 377km  
 nr= 7 gap=232 rms=0.25  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.4	358	Pg	10:06:33.85	0.11
			Sg	06:35.92	0.31
PKST	17.7	276	Pg	10:06:34.75	0.24
			Sg	06:36.64	-0.34
PKSG	19.0	29	Pg	10:06:34.66	-0.08
			Sg	06:36.82	-0.58
MPLH	55.7	262	Sg	10:06:48.98	-0.08

1657.

2024-11-12 time: 10:11:19.55 UTC ML= 1.5  
 lat: 48.087N lon: 21.355E h= 0.0 km  
 erh= 2.8km erz= 963km  
 nr= 10 gap=108 rms=0.75  
 Locality: Taktabáj  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	24.7	340	Pg	10:11:24.99	1.02
			Sg	11:26.94	-0.48
KECS	78.1	304	Pg	10:11:34.29	0.79
			Sg	11:43.60	-0.78
LTVH	88.2	152	Sg	10:11:47.47	-0.11
TRPA	88.3	87	Pg	10:11:35.46	0.13
			Sg	11:46.99	-0.64
PSZ	110.6	260	Sg	10:11:53.50	-1.20
KOLS	116.0	36	Pg	10:11:40.48	0.21
			Sg	11:54.95	-1.47

## Földrengés paraméterek

1658.

2024-11-12 time: 10:51:07.14 UTC ML= 1.9  
 lat: 47.307N lon: 18.436E h= 0.0 km  
 erh= 3.0km erz= 900km  
 nr= 7 gap=114 rms=0.62  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.0	340	Pg	10:51:09.17	0.24
			Sg	51:09.62	-0.71
CSKK	14.7	295	Pg	10:51:10.48	0.72
			Sg	51:11.60	-0.21
PKST	30.9	260	Sg	10:51:15.93	-1.03
PKSM	122.8	173	Sg	10:51:46.77	0.60
PSZ	129.0	58	Sg	10:51:47.49	-0.65

1659.

2024-11-12 time: 11:00:20.40 UTC ML= 2.0  
 lat: 48.147N lon: 16.853E h= 0.0 km  
 erh= 3.2km erz= 6.8km  
 nr= 8 gap=146 rms=0.89  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	19.3	74	Pg	11:00:23.43	-0.42
			Sg	00:25.34	-1.20
RONA	64.9	220	Pg	11:00:32.40	0.42
			Sg	00:40.45	-0.57
JAVC	99.6	37	Pg	11:00:39.36	1.18
			Sg	00:52.44	0.39
KRUC	107.2	342	Sg	11:00:54.74	0.27
VRAC	130.5	352	Sn	11:00:59.44	-2.45

1660.

2024-11-12 time: 11:24:09.53 UTC ML= 1.6  
 lat: 46.307N lon: 22.986E h= 0.0 km  
 erh= 2.3km erz= 1.6km  
 nr= 7 gap=209 rms=0.20  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	47.6	188	Sg	11:24:24.36	-0.29
DRGR	57.8	339	Pg	11:24:19.85	-0.01
			Sg	24:27.66	-0.25
SURR	90.7	227	Pg	11:24:25.89	0.16
			Sg	24:38.28	-0.09
BZS	131.0	234	Pn	11:24:33.21	0.31
			Sn	24:50.91	-0.22

1661.

2024-11-12 time: 11:37:14.60 UTC ML= 1.4  
 lat: 48.381N lon: 19.835E h= 0.0 km  
 erh= 2.6km erz= 553km  
 nr= 5 gap=167 rms=0.26  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	49.5	77	Pg	11:37:23.50	0.06
			Sg	37:30.25	-0.08
PSZ	51.7	175	Pg	11:37:23.99	0.16
			Sg	37:30.02	-1.00
LANS	89.7	342	Pg	11:37:30.65	0.03

## Földrengés paraméterek

## Hypocenter Parameters

1662.

2024-11-12 time: 11:41:11.86 UTC ML= 1.4  
 lat: 47.823N lon: 19.181E h= 0.0 km  
 erh= 2.3km erz= 329km  
 nr= 5 gap=208 rms=0.17  
 Locality: Kosd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	8.4	116	Pg	11:41:13.53	0.18
			Sg	41:14.61	0.09
PSZ	54.4	79	Pg	11:41:21.59	0.01
			Sg	41:28.84	-0.32
PKSG	76.3	231	Sg	11:41:35.94	-0.18

1663.

2024-11-12 time: 14:35:18.48 UTC ML= 1.7  
 lat: 47.553N lon: 16.341E h= 0.0 km  
 erh= 1.7km erz= 2.3km  
 nr= 19 gap= 78 rms=0.77  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.7	348	PgU	14:35:21.61	0.15
			Sg	35:23.61	-0.18
SOP	21.9	48	PgU	14:35:22.60	0.22
			Sg	35:25.05	-0.38
CONA	55.1	319	Pg	14:35:29.10	0.78
			Sg	35:34.20	-1.80
ARSA	70.3	241	Pg	14:35:32.07	1.04
			Sg	35:40.32	-0.50
EGYH	76.2	101	Sg	14:35:43.11	0.42
			Sg	14:35:49.73	-0.54
KOGS	123.0	183	Sg	14:35:57.02	-0.54
			Sn	14:35:58.91	-1.36
SOKA	139.0	226	Pn	14:35:42.89	0.05
			Sn	36:00.63	-1.21
PKSG	155.5	97	Sn	14:36:05.04	-0.48
			Pn	14:35:46.40	-0.04
KRUC	167.9	1	Sn	36:06.30	-1.96
			Pn	14:35:48.29	0.87
JAVC	175.7	34	Pn	14:35:48.29	0.87
			Sn	36:11.34	1.34

1664.

2024-11-12 time: 20:19:36.15 UTC ML= 1.4  
 lat: 45.850N lon: 20.668E h= 12.3 km  
 erh= 2.5km erz= 2.2km  
 nr= 17 gap=111 rms=0.71  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	55.8	5	Pg	20:19:46.31	-0.04
			Sg	19:54.10	-0.21
BZS	78.3	109	Pg	20:19:50.78	0.48
			Sg	20:01.04	-0.30
FRGS	103.9	220	S*	20:20:07.34	-1.56
SURR	113.8	95	Pn	20:19:56.47	0.68
			Sn	20:10.14	-0.97
PKS6	119.1	314	Pn	20:19:55.83	-0.63
			Sn	20:11.34	-0.97
PKB3	130.5	299	Sn	20:20:13.29	-1.53
PKS2	133.1	302	Sn	20:20:16.01	0.61
PKB2	143.1	310	Sn	20:20:18.72	1.09
MORH	161.9	285	Sn	20:20:22.59	0.80
PKSM	162.0	284	Pn	20:20:02.01	0.21
			Sn	20:22.13	0.32
DRGR	189.0	56	Pn	20:20:05.76	0.59
			Sn	20:28.49	0.67

1665.

2024-11-13 time: 0:23:01.61 UTC ML= 1.8  
 lat: 46.180N lon: 16.668E h= 10.0 km  
 erh= 2.2km erz= 1.8km  
 nr= 18 gap=136 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.4	14	PgU	0:23:08.07	0.24
			Sg	23:13.02	0.34
KOGS	43.9	313	Pg	0:23:09.31	-0.33
			Sg	23:15.37	-0.54
PTJ	63.1	241	Sg	0:23:22.43	0.51
GROS	95.1	289	Pg	0:23:18.97	0.29
			Sg	23:31.08	-0.92
CRES	101.7	247	Sg	0:23:34.32	0.23
KOVH	111.1	95	Pn	0:23:20.73	-0.49
			Sn	23:35.71	-0.81
PKSV	126.9	105	Sn	0:23:39.64	-0.37
PERS	129.6	293	Pn	0:23:23.97	0.45
			Sn	23:40.11	-0.51
PKS9	132.0	70	Sn	0:23:40.80	-0.34
SOKA	137.3	294	Sn	0:23:41.65	-0.69
EGYH	146.6	20	Sn	0:23:46.28	1.88
MORH	152.6	88	Sn	0:23:47.75	2.02
PKB4	153.2	77	Sn	0:23:47.75	1.90

1666.

2024-11-13 time: 7:17:37.03 UTC ML= 1.5  
 lat: 46.798N lon: 17.267E h= 0.0 km  
 erh= 6.0km erz= 9.9km  
 nr= 9 gap=132 rms=1.28  
 Locality: Czerszegtomaj  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	46.3	27	Pg	7:17:46.38	1.08
			Sg	17:50.47	-1.28
PKST	77.7	49	Pg	7:17:52.09	1.19
			Sg	18:01.59	-0.13
PKSG	107.9	52	Sg	7:18:08.46	-2.87
PKSM	124.0	122	Pg	7:18:00.20	1.03
			Sg	18:15.32	-1.12
GROS	140.2	255	Sn	7:18:19.49	-1.19
PTJ	141.8	225	Sn	7:18:19.80	-1.22

1667.

2024-11-13 time: 9:51:29.15 UTC ML= 2.2  
 lat: 45.826N lon: 20.588E h= 10.0 km  
 erh= 2.8km erz= 2.6km  
 nr= 25 gap=112 rms=1.04  
 Locality: Serbia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	59.2	10	Pg	9:51:39.77	-0.10
			Sg	51:47.74	-0.50
BZS	83.4	106	Pg	9:51:44.47	0.32
			Sg	51:55.35	-0.49
FRGS	98.0	218	Pg	9:51:47.08	0.35
			Sg	51:59.21	-1.24
PKS6	116.8	317	Pn	9:51:48.90	-0.56
			Sn	52:03.39	-1.92
SURR	119.7	94	Pn	9:51:49.82	-0.01
			Sn	52:04.39	-1.58
PKB3	126.5	302	Pn	9:51:50.44	-0.24
			Sn	52:05.13	-2.35
PKS2	129.5	305	Pn	9:51:51.00	-0.04
			Sn	52:07.06	-1.06
PKSN	131.3	335	Pn	9:51:50.96	-0.32
MORH	156.6	286	Pn	9:51:55.91	1.47

## Hypocenter Parameters

		Sn	52:15.72	1.56	
PKSM	156.7	286	Pn	9:51:55.71	1.26
		Sn	52:12.78	-1.40	
S9BD	159.3	285	Sn	9:52:16.83	2.08
PKB5	166.6	301	Sn	9:52:17.93	1.57
BORR	167.9	33	Sn	9:52:18.43	1.76
PKB1	174.6	308	Sn	9:52:20.79	2.64
KOVH	195.1	279	Sn	9:52:27.73	5.04*
DRGR	195.6	57	Pn	9:51:59.37	0.08
		Sn	52:22.62	-0.19	

1668.

2024-11-13 time: 10:02:09.72 UTC ML= 1.8  
 lat: 48.595N lon: 20.833E h= 0.0 km  
 erh= 3.5km erz= 6.7km  
 nr= 13 gap=152 rms=1.02  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.5	244	Pg	10:02:15.96	1.15
			Sg	02:18.47	-0.32
STHS	96.2	18	Pg	10:02:27.77	0.88
			Sg	02:38.29	-2.00
NIE	99.2	337	Pg	10:02:27.86	0.42
			Sg	02:40.44	-0.81
PSZ	102.6	223	Pg	10:02:28.50	0.46
			Sg	02:40.44	-1.89
KOLS	112.3	70	Pg	10:02:30.74	0.96
			Sg	02:43.37	-2.05
LANS	117.7	302	Pg	10:02:30.63	-0.11
			Sg	02:45.72	-1.41
OJC	195.7	337	Sn	10:03:05.76	0.09

1669.

2024-11-13 time: 10:39:47.49 UTC ML= 1.8  
 lat: 46.774N lon: 17.311E h= 0.0 km  
 erh= 3.8km erz= 7.9km  
 nr= 15 gap=105 rms=1.54  
 Locality: Keszthely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	47.4	22	Pg	10:39:58.46	2.51
			Sg	40:03.01	0.46
EGYH	71.6	1	Sg	10:40:10.95	0.72
PKST	77.0	46	Sg	10:40:10.42	-1.56
KOGS	88.9	246	Sg	10:40:15.29	-0.47
KOVH	97.4	141	Sg	10:40:18.05	-0.38
CSKK	97.5	48	Sg	10:40:16.83	-1.63
PKSG	107.0	50	Pg	10:40:08.96	2.37
			Sg	40:20.07	-1.42
SOP	116.1	331	Sg	10:40:23.08	-1.31
MORH	119.7	121	Sg	10:40:25.11	-0.42
PKSM	119.7	121	Sg	10:40:25.50	-0.04
RONA	128.5	323	Sg	10:40:26.63	-1.69
GROS	142.9	256	Sn	10:40:31.73	0.01
ARSA	145.9	291	Sn	10:40:30.18	-2.21

1670.

2024-11-13 time: 11:10:53.79 UTC ML= 1.3  
 lat: 47.549N lon: 18.444E h= 0.0 km  
 erh= 7.0km erz= 5.4km  
 nr= 10 gap=191 rms=1.42  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	18.0	193	Pg	11:10:58.38	1.37
			Sg	11:00.20	0.69
CSKK	24.9	214	Pg	11:10:59.57	1.33
			Sg	11:02.22	0.51

## Földrengés paraméterek

BUD	44.3	100	Pg	11:11:02.51	0.81
			Sg	11:07.50	-0.37
MPLH	80.3	238	Sg	11:11:17.50	-1.82
PSZ	116.3	69	Sg	11:11:28.85	-1.90
MORH	149.0	174	Sn	11:11:37.27	-2.12
PKSM	149.5	174	Sn	11:11:36.99	-2.50

1671.

2024-11-14 time: 1:39:47.83 UTC ML= 2.0  
 lat: 48.036N lon: 17.157E h= 6.8 km  
 erh= 2.7km erz= 1.7km  
 nr= 18 gap=208 rms=0.60  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	18.3	347	Pg	1:39:51.94	0.63
			Sg	39:54.61	0.58
SMOL	56.8	21	Pg	1:39:57.76	-0.29
			Sg	40:04.38	-1.64
SOP	59.6	229	Pg	1:39:58.66	0.13
			Sg	40:06.14	-0.74
RONA	74.5	240	Pg	1:40:00.93	-0.25
			Sg	40:10.36	-1.24
WINA	81.2	276	Pg	1:40:01.90	-0.48
			Sg	40:13.48	-0.25
CONA	97.5	263	Pg	1:40:05.82	0.54
			Sg	40:19.15	0.26
KRUC	127.2	334	Pn	1:40:10.19	0.33
			Sn	40:26.10	-0.94
ABNA	146.0	299	Pn	1:40:13.02	0.82
			Sn	40:31.57	0.36
VRAC	147.5	344	Sn	1:40:30.99	-0.55
ARSA	150.7	235	Sn	1:40:33.20	0.95

1672.

2024-11-14 time: 2:11:30.58 UTC ML= 2.1  
 lat: 46.610N lon: 21.653E h= 2.9 km  
 erh= 1.9km erz= 2.4km  
 nr= 19 gap= 70 rms=0.75  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BORR	54.3	11	Pg	2:11:40.65	0.36
			Sg	11:47.66	-0.20
AMBH	76.9	248	Pg	2:11:44.63	0.32
			Sg	11:54.59	-0.43
DRGR	83.4	76	Pg	2:11:45.73	0.25
			Sg	11:56.33	-0.77
LTVH	88.1	12	Pg	2:11:46.55	0.22
			Sg	11:56.97	-1.64
SURR	101.9	159	Pg	2:11:49.29	0.51
			Sg	12:02.39	-0.59
BZS	110.5	181	Pg	2:11:50.77	0.46
			Sg	12:04.39	-1.31
DEV	125.8	130	Sn	2:12:09.65	-0.71
CJR	149.3	86	Pn	2:11:56.91	1.05
			Sn	12:15.50	-0.08
TRPA	181.8	22	Sn	2:12:22.31	-0.47
ABAH	190.0	351	Pn	2:12:02.37	1.44
			Sn	12:24.65	0.04
PSZ	197.1	318	Pn	2:12:00.29	-1.53
			Sn	12:20.23	-5.97*

1673.

2024-11-14 time: 9:07:20.66 UTC ML= 1.8  
 lat: 48.618N lon: 21.375E h= 0.0 km  
 erh= 5.7km erz= \*\*\*km  
 nr= 8 gap=165 rms=1.06  
 Locality: Slovakia  
 Comments: probably explosion



## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ABAH	37.2	196	Pg	9:07:28.34	1.04
			Sg	07:33.39	0.91
KECS	67.4	257	Pg	9:07:32.22	-0.47
			Sg	07:40.68	-1.39
KOLS	74.7	62	Pg	9:07:35.10	1.09
			Sg	07:43.91	-0.51
TRPA	101.9	122	Pg	9:07:38.50	-0.35
			Sg	07:49.94	-3.10

1674.

2024-11-14 time: 9:17:44.77 UTC ML= 1.9  
 lat: 47.927N lon: 19.368E h= 0.0 km  
 erh= 5.6km erz= 6.2km  
 nr= 16 gap=130 rms=1.29  
 Locality: Becske  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.5	203	Pg	9:17:48.89	1.19
			Sg	17:51.48	1.48
PSZ	39.4	91	Pg	9:17:52.85	1.05
			Sg	17:56.52	-0.77
PKSG	94.5	231	Pg	9:18:02.73	1.10
			Sg	18:13.27	-1.52
KECS	103.6	53	Pg	9:18:03.90	0.63
			Sg	18:16.78	-0.92
CSKK	104.1	233	Pg	9:18:03.09	-0.27
			Sg	18:15.52	-2.35
PKST	124.8	233	Pg	9:18:07.68	0.63
			Sg	18:22.09	-2.34
LANS	136.3	3	Pn	9:18:08.58	-0.21
			Sn	18:25.33	-2.21
ABAH	145.3	74	Sn	9:18:27.13	-2.41
NIE	180.0	23	Sn	9:18:39.11	1.88

1675.

2024-11-14 time: 10:07:33.03 UTC ML= 1.8  
 lat: 48.947N lon: 21.272E h= 0.0 km  
 erh= 3.7km erz= 8.6km  
 nr= 10 gap= 94 rms=1.25  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	52.2	358	Pg	10:07:43.30	0.94
			Sg	07:48.45	-1.18
ABAH	72.5	182	Sg	10:07:55.00	-1.08
KOLS	73.4	91	Pg	10:07:46.20	0.07
			Sg	07:55.93	-0.42
KECS	77.6	228	Pg	10:07:48.79	1.90
			Sg	07:55.75	-1.94
NIE	87.4	307	Pg	10:07:49.24	0.60
			Sg	08:00.59	-0.22
LANS	133.8	280	Sn	10:08:12.47	-2.79

1676.

2024-11-14 time: 10:11:03.55 UTC ML= 1.8  
 lat: 47.705N lon: 18.514E h= 0.0 km  
 erh= 2.0km erz= 4.3km  
 nr= 18 gap=103 rms=0.84  
 Locality: Lábattlan  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	19.2	309	Pg	10:11:08.15	1.16
PKSG	36.0	195	Pg	10:11:10.11	0.13
			Sg	11:15.17	0.17
CSKK	42.5	207	Pg	10:11:10.76	-0.38
			Sg	11:16.53	-0.53
PENC	58.4	81	Pg	10:11:14.61	0.63

PKST	61.3	216	Sg	11:21.63	-0.48
PKST	61.3	216	Pg	10:11:14.90	0.39
			Sg	11:23.46	0.41
MPLH	94.5	231	Pg	10:11:21.39	0.96
			Sg	11:32.71	-0.89
PSZ	106.1	77	Pg	10:11:23.07	0.57
			Sg	11:36.07	-1.21
ZST	118.7	297	Sg	10:11:38.56	-2.72
SMOL	120.9	318	Sg	10:11:40.90	-1.08
JAVC	142.8	334	Sn	10:11:46.58	-1.18
PKSM	166.3	177	Pn	10:11:30.64	-0.68
			Sn	11:49.01	-3.97*

1677.

2024-11-14 time: 10:45:45.22 UTC ML= 1.6  
 lat: 47.870N lon: 16.041E h= 0.0 km  
 erh= 1.3km erz= 2.0km  
 nr= 7 gap=124 rms=0.86  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.9	296	Pg	10:45:48.58	0.70
			Sg	45:50.51	0.55
RONA	26.9	135	Pg	10:45:50.57	0.55
			Sg	45:54.17	0.40
ARSA	79.1	210	Sg	10:46:09.20	-1.17
KRUC	135.1	11	Pn	10:46:08.67	-0.43
			Sn	46:25.41	-2.31

1678.

2024-11-14 time: 11:04:04.23 UTC ML= 1.5  
 lat: 47.942N lon: 20.157E h= 0.0 km  
 erh= 3.7km erz= 6.4km  
 nr= 7 gap=181 rms=0.48  
 Locality: Szajla  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.8	263	PgU	11:04:07.93	0.16
			Sg	04:10.81	0.28
KECS	65.0	22	Pg	11:04:16.39	0.55
			Sg	04:24.32	-0.57
PENC	67.6	256	Pg	11:04:16.21	-0.10
ABAH	89.7	64	Sg	11:04:32.24	-0.51
PKSG	146.1	245	Sn	11:04:47.10	-2.08

1679.

2024-11-14 time: 12:17:52.13 UTC ML= 2.0  
 lat: 48.552N lon: 22.631E h= 0.0 km  
 erh= 6.1km erz= 6.9km  
 nr= 8 gap=220 rms=0.94  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TRPA	47.3	188	Pg	12:18:00.42	-0.16
			Sg	18:07.35	0.18
KOLS	49.9	328	Pg	12:18:00.15	-0.89
			Sg	18:09.51	1.52
ABAH	106.8	255	Pg	12:18:12.49	1.29
			Sg	18:25.36	-0.72
STHS	139.9	313	Pn	12:18:16.54	-0.06
KECS	158.6	267	Sn	12:18:37.79	-2.07

## Hypocenter Parameters

## Föld rengés paraméterek

1680.

2024-11-14 time: 22:39:17.84 UTC ML= 2.3  
lat: 45.928N lon: 16.237E h= 10.0 km  
erh= 1.6km erz= 1.3km  
nr= 38 gap= 88 rms=0.72

Locality: Croatia

Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	21.9	240	Pg	22:39:22.34	0.21
			Sg	39:26.01	0.53
PTJ	21.9	262	Pg	22:39:21.98	-0.16
			Sg	39:25.70	0.21
GCIS	47.8	262	iPg	22:39:26.60	0.04
GOLS	48.4	281	ePg	22:39:27.11	0.45
KOGS	57.8	1	Pg	22:39:28.39	0.08
			Sg	39:36.25	-0.23
CESS	60.2	275	iPg	22:39:29.26	0.52
CRES	61.6	259	Pg	22:39:28.96	-0.03
			Sg	39:37.64	-0.05
DOBS	64.3	292	ePg	22:39:29.90	0.43
BEHE	73.2	35	Pg	22:39:30.79	-0.24
			Sg	39:40.69	-0.62
GROS	82.0	316	Pg	22:39:32.24	-0.35
			Sg	39:43.43	-0.67
BOJS	90.0	238	iPg	22:39:33.80	-0.21
PERS	116.8	312	Pn	22:39:37.99	-0.17
			Sn	39:53.15	-0.86
SOKA	124.7	312	Pn	22:39:39.09	-0.06
			Sn	39:54.95	-0.82
KOVH	145.4	83	Pn	22:39:42.09	0.37
			Sn	39:58.74	-1.61
OBKA	145.4	296	Pn	22:39:41.00	-0.72
			Sn	39:59.83	-0.52
BLY	150.6	150	Pn	22:39:41.42	-0.96
			Sn	40:00.70	-0.81
PKSV	156.4	92	Pn	22:39:43.74	0.64
			Sn	40:01.22	-1.58
ARSA	156.8	340	Pn	22:39:45.50	2.35
			Sn	40:03.76	0.87
MPLH	170.4	36	Sn	22:40:06.32	0.42
PKSM	188.7	80	Pn	22:39:49.38	2.26
			Sn	40:11.97	2.01
MORH	188.9	80	Pn	22:39:46.10	-1.05
			Sn	40:12.02	2.00
PKB4	193.2	71	Sn	22:40:14.02	3.05*
RONA	197.0	1	Pn	22:39:49.35	1.20

1681.

2024-11-15 time: 0:07:50.57 UTC ML= 2.1  
lat: 45.698N lon: 21.821E h= 10.0 km  
erh= 7.3km erz= 4.9km  
nr= 20 gap=161 rms=0.83

Locality: Romania

Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.3	240	Pg	0:07:54.12	-0.18
			Sg	07:57.36	0.15
SURR	24.4	75	Pg	0:07:55.28	0.00
BANR	64.0	237	Pg	0:08:02.65	0.51
			Sg	08:11.48	0.31
DEV	86.6	76	Pg	0:08:05.59	-0.55
			Sg	08:17.10	-1.19
AMBH	111.6	311	Pn	0:08:10.42	0.18
			Sn	08:24.28	-1.30
DRGR	139.6	29	Pn	0:08:13.84	0.11
			Sn	08:30.68	-1.12
BORR	154.8	359	Sn	0:08:36.89	1.72
CJR	177.6	51	Pn	0:08:20.90	2.43
			Sn	08:43.39	3.16
PKS6	201.1	300	Pn	0:08:21.76	0.36
			Sn	08:44.64	-0.81

MORH 252.9 283 Pn 0:08:27.98 0.11  
Sn 08:55.98 -0.98  
PKSM 253.1 283 Pn 0:08:27.35 -0.53  
Sn 08:55.62 -1.36

1682.

2024-11-15 time: 9:48:39.39 UTC ML= 1.4  
lat: 47.087N lon: 17.829E h= 0.0 km  
erh= 2.9km erz= \*\*\*km

nr= 15 gap=126 rms=0.86

Locality: Márkó

Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	21.4	167	Pg	9:48:44.05	0.85
			Sg	48:46.79	0.61
MPLH	23.8	293	Sg	9:48:45.61	-1.34
PKST	24.7	39	Pg	9:48:44.24	0.44
			Sg	48:46.99	-0.25
CSKK	44.9	47	Pg	9:48:47.88	0.48
			Sg	48:52.66	-0.99
PKSG	54.4	51	Pg	9:48:49.75	0.64
			Sg	48:55.78	-0.91
S9BD	114.5	149	Pg	9:48:59.90	0.07
			Sg	49:13.77	-2.00
MORH	115.2	147	Pg	9:49:00.35	0.38
			Sg	49:14.49	-1.53
PKSM	115.5	147	Pg	9:49:00.58	0.57
			Sg	49:13.90	-2.20

1683.

2024-11-15 time: 22:44:52.12 UTC ML= 0.4  
lat: 47.271N lon: 18.324E h= 3.2 km  
erh= 1.2km erz= 8.9km

nr= 7 gap=137 rms=0.21

Locality: Sárkereszttes

Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	11.3	335	PgU	22:44:53.99	-0.22
			Sg	44:55.23	-0.61
PKSG	14.3	21	PgD	22:44:54.93	0.19
			Sg	44:56.92	0.14
PKST	21.9	266	Pg	22:44:56.21	0.13
			Sg	44:59.16	0.00
PKB5	81.5	157	Sg	22:45:18.04	0.01

1684.

2024-11-16 time: 9:36:40.78 UTC ML= 1.4  
lat: 46.240N lon: 18.238E h= 0.0 km  
erh= 3.1km erz= 632km

nr= 12 gap=153 rms=0.57

Locality: Mecsekpölske

Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	20.0	212	Pg	9:36:44.71	0.36
			Sg	36:47.59	0.46
S9BD	28.5	97	Pg	9:36:46.46	0.58
			Sg	36:49.36	-0.49
PKSM	31.2	96	Pg	9:36:46.87	0.51
			Sg	36:50.40	-0.32
MORH	31.4	95	Pg	9:36:46.69	0.29
			Sg	36:50.09	-0.68
PKSV	39.1	178	Pg	9:36:47.57	-0.19
			Sg	36:51.80	-1.40
PKB3	76.4	74	Pg	9:36:54.19	-0.24
PKSG	128.6	5	Sg	9:37:18.56	-3.10

## Földrengés paraméterek

## Hypocenter Parameters

1685.

2024-11-16 time: 22:13:13.02 UTC ML= 2.1  
 lat: 45.809N lon: 16.918E h= 10.0 km  
 erh= 3.0km erz= 2.2km  
 nr= 15 gap=200 rms=0.71  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	74.3	351	Sg	22:13:36.87	0.01
PTJ	75.3	278	Pg	22:13:26.65	0.07
			Sg	13:35.37	-1.78
KOGS	87.8	324	Pg	22:13:29.57	0.77
			Sg	13:40.50	-0.62
KOVH	96.7	71	Pg	22:13:30.32	-0.06
			Sg	13:42.51	-1.42
CRES	113.6	271	Pn	22:13:33.02	0.08
			Sn	13:47.14	-1.33
GROS	131.3	304	Sn	22:13:51.87	-0.53
PKSM	140.8	71	Pn	22:13:36.94	0.62
			Sn	13:54.52	0.02
MORH	141.1	71	Pn	22:13:36.99	0.62
			Sn	13:54.65	0.07
PERS	166.7	303	Sn	22:14:01.64	1.39

1686.

2024-11-18 time: 8:52:49.60 UTC ML= 1.8  
 lat: 46.041N lon: 22.792E h= 0.0 km  
 erh= 5.3km erz= \*\*\*km  
 nr= 6 gap=158 rms=0.89  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.6	154	Pg	8:52:52.98	-0.12
			Sg	52:55.90	0.08
SURR	60.8	238	Sg	8:53:08.02	-0.92
DRGR	83.6	356	Sg	8:53:15.05	-1.14
BZS	102.8	243	Pg	8:53:09.42	1.46
			Sg	53:21.83	-0.45

1687.

2024-11-18 time: 11:20:00.76 UTC ML= 1.9  
 lat: 48.857N lon: 21.381E h= 0.0 km  
 erh= 3.6km erz= 5.7km  
 nr= 15 gap= 92 rms=1.31  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	63.0	351	Pg	11:20:13.25	1.23
			Sg	20:20.12	-0.68
ABAH	63.3	189	Pg	11:20:12.98	0.92
			Sg	20:20.84	-0.03
KOLS	66.0	83	Pg	11:20:13.98	1.43
			Sg	20:20.65	-1.09
KECS	77.9	238	Pg	11:20:15.81	1.13
			Sg	20:23.68	-1.86
NIE	99.9	309	Pg	11:20:19.39	0.79
			Sg	20:30.44	-2.07
TRPA	117.7	133	Pg	11:20:21.10	-0.69
			Sg	20:35.44	-2.74
LANS	143.7	283	Sn	11:20:43.04	-2.14
PSZ	151.7	227	Pn	11:20:27.61	0.90
			Sn	20:45.14	-1.81

1688.

2024-11-19 time: 7:38:29.34 UTC ML= 1.3  
 lat: 48.011N lon: 20.335E h= 0.0 km  
 erh= 4.1km erz= 5.4km  
 nr= 6 gap=188 rms=0.70  
 Locality: Szarvaskő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	34.5	253	Pg	7:38:35.86	0.36
			Sg	38:39.70	-0.60
KECS	53.7	12	Pg	7:38:39.52	0.58
			Sg	38:46.82	0.40
ABAH	74.4	65	Sg	7:38:52.21	-0.78
LANS	142.0	333	Sn	7:39:11.66	-1.72

1689.

2024-11-19 time: 8:58:51.99 UTC ML= 0.7  
 lat: 47.885N lon: 16.060E h= 0.0 km  
 erh= 0.9km erz= 1.6km  
 nr= 6 gap=129 rms=1.16  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.6	288	Pg	8:58:55.44	0.66
			Sg	58:57.45	0.50
RONA	27.2	139	Pg	8:58:57.63	0.79
			Sg	59:00.74	0.12
ARSA	81.3	210	Sg	8:59:16.26	-1.57
KRUC	133.2	11	Sn	8:59:31.31	-2.76

1690.

2024-11-19 time: 9:43:01.45 UTC ML= 0.9  
 lat: 47.200N lon: 18.306E h= 0.0 km  
 erh= 2.1km erz= 604km  
 nr= 8 gap=150 rms=0.43  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.5	349	Pg	9:43:04.94	0.19
			Sg	43:06.59	-0.74
PKST	21.6	288	Pg	9:43:05.67	0.36
			Sg	43:07.86	-0.46
PKSG	22.3	17	Pg	9:43:05.95	0.52
			Sg	43:08.05	-0.49
MORH	112.4	167	Sg	9:43:36.76	-0.40
PKSM	112.7	167	Sg	9:43:37.13	-0.15

1691.

2024-11-19 time: 9:59:03.34 UTC ML= 1.8  
 lat: 48.342N lon: 19.870E h= 0.0 km  
 erh= 2.6km erz= 5.6km  
 nr= 11 gap=126 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	47.1	178	Pg	9:59:12.07	0.31
			Sg	59:18.37	0.04
KECS	48.2	71	Pg	9:59:11.62	-0.34
			Sg	59:19.04	0.37
PENC	75.4	216	Pg	9:59:16.21	-0.59
LANS	94.6	342	Pg	9:59:21.78	1.54
			Sg	59:32.10	-1.33
ABAH	101.7	93	Sg	9:59:35.45	-0.23
NIE	124.1	15	Pg	9:59:25.71	0.21
			Sg	59:41.75	-1.04
STHS	156.3	40	Sn	9:59:50.97	0.41

## Hypocenter Parameters

## Földrengés paraméterek

1692.

2024-11-19 time: 10:10:39.35 UTC ML= 1.0  
 lat: 47.230N lon: 18.288E h= 0.0 km  
 erh= 1.7km erz= 349km  
 nr= 9 gap=143 rms=0.26  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.0	352	Pg	10:10:42.12	0.09
			Sg	10:44.04	-0.08
PKST	19.5	280	Pg	10:10:42.68	-0.16
			Sg	10:45.13	-0.42
PKSG	19.6	23	Pg	10:10:43.03	0.17
			Sg	10:45.32	-0.27
MPLH	57.1	263	Pg	10:10:49.78	0.22
			Sg	10:57.82	0.31
PKSM	116.3	167	Sg	10:11:14.99	-1.34

1693.

2024-11-19 time: 10:59:45.68 UTC ML= 1.8  
 lat: 48.146N lon: 16.838E h= 0.0 km  
 erh= 3.3km erz= \*\*\*km  
 nr= 10 gap=145 rms=0.84  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	20.4	74	Pg	10:59:48.56	-0.76
			Sg	59:51.17	-1.00
RONA	64.0	219	Pg	10:59:57.66	0.55
			Sg	11:00:05.58	-0.45
CONA	76.7	252	Sg	10:60:09.43	-0.64
JAVC	100.4	38	Pg	10:60:05.04	1.44
KRUC	107.0	342	Pg	10:60:05.53	0.75
			Sg	60:19.72	0.04
VRAC	130.5	352	Pg	10:60:08.73	-0.26
			Sg	60:25.66	-1.51

1694.

2024-11-19 time: 12:23:32.78 UTC ML= 1.5  
 lat: 47.671N lon: 18.393E h= 0.0 km  
 erh= 1.9km erz= 2.4km  
 nr= 8 gap=202 rms=0.62  
 Locality: Agostyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	31.0	180	Pg	12:23:38.67	0.35
			Sg	23:42.23	-0.40
CSKK	35.6	196	Pg	12:23:39.86	0.72
			Sg	23:43.88	-0.22
BUD	51.8	114	Sg	12:23:48.90	-0.36
PKST	53.1	211	Sg	12:23:49.45	-0.23
RONA	157.4	271	Sn	12:24:19.40	-0.85
MORH	162.9	173	Sn	12:24:17.57	-3.88

1695.

2024-11-19 time: 13:14:48.31 UTC ML= 1.4  
 lat: 48.874N lon: 20.658E h= 0.0 km  
 erh= 2.2km erz= 6.0km  
 nr= 10 gap=129 rms=0.54  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.2	196	Pg	13:14:56.79	0.40
			Sg	15:02.56	-0.13
NIE	65.7	337	Pg	13:14:59.77	-0.26

			Sg	15:07.94	-1.24
STHS	74.0	35	Pg	13:15:02.24	0.72
ABAH	77.2	146	Pg	13:15:01.79	-0.31
			Sg	15:11.65	-1.21
KOLS	118.6	87	Sg	13:15:25.95	-0.05
PSZ	120.4	208	Pg	13:15:10.07	0.27
OJC	162.1	337	Pn	13:15:15.94	0.38

1696.

2024-11-20 time: 7:23:17.33 UTC ML= 1.6  
 lat: 47.885N lon: 19.110E h= 0.0 km  
 erh= 5.3km erz= \*\*\*km  
 nr= 9 gap=188 rms=1.00  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.6	129	Pg	7:23:21.12	0.83
			Sg	23:22.11	-0.49
BUD	45.1	188	Sg	7:23:30.62	-1.03
PSZ	58.8	86	Pg	7:23:29.18	1.35
			Sg	23:34.99	-1.02
PKSG	77.0	225	Sg	7:23:42.55	0.75
PKST	106.7	229	Sg	7:23:50.02	-1.23
KECS	122.0	57	Pg	7:23:39.13	0.01
			Sg	23:54.44	-1.68

1697.

2024-11-20 time: 8:59:43.86 UTC ML= 0.9  
 lat: 46.167N lon: 18.304E h= 0.0 km  
 erh= 4.4km erz= 879km  
 nr= 9 gap=197 rms=0.69  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.0	241	PgU	8:59:47.40	0.31
			Sg	59:48.87	-0.73
S9BD	23.6	79	Sg	8:59:49.61	-1.77
PKSM	26.5	79	Pg	8:59:49.14	0.54
			Sg	59:52.03	-0.26
MORH	26.8	78	Pg	8:59:49.20	0.55
			Sg	59:51.59	-0.79
PKSV	31.2	187	Pg	8:59:49.93	0.50
			Sg	59:52.79	-0.99

1698.

2024-11-20 time: 9:23:08.37 UTC ML= 1.4  
 lat: 48.868N lon: 20.987E h= 0.0 km  
 erh= 2.5km erz= 3.4km  
 nr= 14 gap=69 rms=1.00  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	56.5	221	Pg	9:23:19.34	0.87
			Sg	23:26.55	0.21
STHS	63.8	17	Pg	9:23:21.14	1.37
			Sg	23:28.53	-0.12
ABAH	66.3	164	Sg	9:23:29.43	-0.03
NIE	78.5	321	Sg	9:23:32.44	-0.89
KOLS	94.6	86	Sg	9:23:37.93	-0.51
LANS	115.5	286	Pg	9:23:29.10	0.11
			Sg	23:44.05	-1.03
PSZ	133.0	217	Sn	9:23:48.20	-2.22
TRPA	141.1	126	Pn	9:23:32.80	-0.20
			Sn	23:49.82	-2.38
OJC	173.1	330	Pn	9:23:38.20	1.20
			Sn	23:58.55	-0.77

## Földrengés paraméterek

## Hypocenter Parameters

1699.

2024-11-20 time: 9:35:08.82 UTC ML= 1.3  
 lat: 47.894N lon: 16.073E h= 0.0 km  
 erh= 5.0km erz= 7.9km  
 nr= 9 gap=128 rms=0.95  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	284	Pg	9:35:12.22	0.50
			Sg	35:13.97	-0.01
RONA	27.3	142	Pg	9:35:14.11	0.42
			Sg	35:17.57	0.07
ARSA	82.6	210	Pg	9:35:24.41	0.84
			Sg	35:32.16	-2.92
KRUC	132.1	10	Pn	9:35:32.34	0.02
			Sn	35:48.37	-2.28
VRAC	161.9	14	Sn	9:35:56.43	-0.85

1700.

2024-11-20 time: 9:42:51.35 UTC ML= 1.4  
 lat: 48.633N lon: 20.836E h= 0.0 km  
 erh= 6.4km erz= \*\*\*km  
 nr= 7 gap=202 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	30.8	237	Pg	9:42:56.89	0.04
			Sg	43:00.67	-0.46
ABAH	47.9	141	Sg	9:43:06.03	-0.55
			Pg	9:43:11.57	1.32
PSZ	105.8	221	Sg	43:23.81	-1.18
			Pg	9:43:12.56	0.56
LANS	115.7	300	Pg	9:43:12.56	0.56
			Sg	43:26.29	-1.83

1701.

2024-11-20 time: 10:02:40.55 UTC ML= 1.7  
 lat: 48.619N lon: 21.281E h= 0.0 km  
 erh= 2.6km erz= 3.5km  
 nr= 12 gap=163 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.1	185	Pg	10:02:47.01	0.02
			Sg	02:51.96	-0.05
KECS	60.6	256	Pg	10:02:51.02	-0.35
			Sg	03:01.10	1.28
STHS	88.7	358	Pg	10:02:56.73	0.34
			Sg	03:08.35	-0.40
NIE	113.7	321	Sg	10:03:15.46	-1.22
			Pg	10:03:03.62	0.02
PSZ	129.1	233	Sg	03:21.09	-0.49
			Sn	10:03:21.41	-3.80*
LTVH	144.8	161	Pn	10:03:06.55	0.83
			Sn	03:24.83	-0.53

1702.

2024-11-20 time: 12:55:33.99 UTC ML= 1.0  
 lat: 47.247N lon: 18.257E h= 0.0 km  
 erh= 3.8km erz= 533km  
 nr= 7 gap=229 rms=0.35  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.0	1	Pg	12:55:36.70	0.39
			Sg	55:38.55	0.44
PKST	16.9	275	Pg	12:55:36.88	-0.13

PKSG	19.0	32	Sg	55:38.73	-0.64
			Pg	12:55:37.15	-0.24
MPLH	55.0	261	Sg	55:39.58	-0.46
			Pg	12:55:44.09	0.27

1703.

2024-11-20 time: 20:50:43.77 UTC ML= 1.6  
 lat: 46.022N lon: 21.428E h= 12.3 km  
 erh= 3.2km erz= 3.1km  
 nr= 11 gap= 97 rms=0.57  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	35.6	207	Pg	20:50:50.72	0.22
BZS	47.4	162	Pg	20:50:52.89	0.37
			Sg	50:58.56	-0.78
SURR	61.7	119	Pg	20:50:55.47	0.46
			Sg	51:02.61	-1.17
AMBH	65.3	304	Pg	20:50:55.88	0.24
			Sg	51:03.66	-1.24
BORR	121.8	13	Sn	20:51:20.32	-0.22
GZR	126.1	124	Sn	20:51:21.26	-0.24
DRGR	130.6	49	Pn	20:51:06.10	0.58
			Sn	51:21.90	-0.58

1704.

2024-11-21 time: 7:17:47.23 UTC ML= 1.5  
 lat: 46.035N lon: 22.793E h= 0.0 km  
 erh= 3.3km erz= 803km  
 nr= 7 gap=157 rms=0.53  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.9	153	Pg	7:17:51.06	0.46
GZR	71.3	181	Pg	7:17:59.93	-0.03
			Sg	18:09.12	-0.77
DRGR	84.4	356	Pg	7:18:01.73	-0.57
			Sg	18:14.34	0.28
BZS	102.5	243	Pg	7:18:06.24	0.70
			Sg	18:19.20	-0.63

1705.

2024-11-21 time: 8:35:44.65 UTC ML= 1.2  
 lat: 47.328N lon: 18.427E h= 0.0 km  
 erh= 3.2km erz= 709km  
 nr= 7 gap=194 rms=0.47  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.6	339	PgU	8:35:46.12	0.12
			Sg	35:46.42	-0.63
CSKK	13.2	287	Pg	8:35:47.39	0.39
			Sg	35:48.29	-0.54
PKST	30.7	255	Pg	8:35:50.69	0.56
			Sg	35:53.82	-0.58
PKSM	125.2	172	Sg	8:36:23.99	-0.46

1706.

2024-11-21 time: 9:02:45.95 UTC ML= 1.7  
 lat: 46.027N lon: 22.800E h= 0.0 km  
 erh= 2.7km erz= 818km  
 nr= 9 gap=158 rms=0.61  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
-----	------	-----	-------	-----------	-----

## Hypocenter Parameters

DEV	17.8	153	Pg	9:02:49.19	0.05
			Sg	02:51.35	-0.27
SURR	60.5	240	Sg	9:03:05.08	-0.11
GZR	70.4	181	Pg	9:02:58.60	0.08
			Sg	03:07.87	-0.46
DRGR	85.3	355	Pg	9:03:01.75	0.56
			Sg	03:11.96	-1.12
BZS	102.6	244	Pg	9:03:05.04	0.76
			Sg	03:17.01	-1.56

1707.

2024-11-21 time: 9:51:02.95 UTC ML= 2.0  
 lat: 48.417N lon: 17.273E h= 0.0 km  
 erh= 1.6km erz= 416km  
 nr= 10 gap=160 rms=0.34  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	15.8	47	Pg	9:51:05.79	0.02
			Sg	51:07.82	-0.14
ZST	27.6	207	Pg	9:51:07.60	-0.28
			Sg	51:11.35	-0.38
JAVC	57.2	31	Sg	9:51:20.77	-0.38
KRUC	96.5	318	Pg	9:51:20.20	0.02
			Sg	51:30.97	-2.65*
RONA	108.0	222	Pg	9:51:22.69	0.46
			Sg	51:37.28	0.00
VRAC	110.9	333	Pg	9:51:23.13	0.37

1708.

2024-11-21 time: 10:09:23.02 UTC ML= 1.6  
 lat: 48.530N lon: 20.828E h= 0.0 km  
 erh= 7.4km erz=13.0km  
 nr= 9 gap=116 rms=1.24  
 Locality: Becskeháza  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.8	258	Pg	10:09:27.19	-0.45
			Sg	09:30.79	-0.44
PSZ	97.2	226	Pg	10:09:41.06	0.69
			Sg	09:53.67	-0.24
STHS	103.2	17	Pg	10:09:42.14	0.70
			Sg	09:53.49	-2.32
NIE	105.8	339	Pg	10:09:43.85	1.94
			Sg	09:55.83	-0.81
TRPA	134.5	109	Sn	10:10:03.13	-2.25

1709.

2024-11-22 time: 6:59:05.01 UTC ML= 1.8  
 lat: 47.685N lon: 17.775E h= 1.0 km  
 erh= 1.6km erz= 2.1km  
 nr= 20 gap= 74 rms=0.70  
 Locality: Győrszentiván  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	42.8	70	Sg	6:59:19.12	0.49
EGYH	44.7	228	Pg	6:59:13.96	0.97
			Sg	59:19.75	0.54
CSKK	51.1	134	Sg	6:59:21.03	-0.23
PKST	51.2	158	Pg	6:59:14.05	-0.10
			Sg	59:20.37	-0.91
PKSG	56.6	125	Sg	6:59:22.83	-0.19
MPLH	59.9	197	Pg	6:59:16.10	0.40
			Sg	59:23.48	-0.56
ZST	75.9	319	Sg	6:59:29.62	0.49
TIH	87.7	174	Sg	6:59:31.96	-0.92
RONA	111.0	271	Sg	6:59:39.19	-1.10
PENC	113.6	84	Sg	6:59:40.35	-0.78
JAVC	130.8	357	Sn	6:59:45.90	-0.43

## Földrengés paraméterek

CONA	145.9	281	Pn	6:59:29.96	-0.13
			Sn	59:48.91	-0.75
PSZ	160.9	81	Sn	6:59:52.52	-0.48
MORH	176.2	158	Pn	6:59:36.29	2.42
			Sn	59:57.55	1.16
KOVH	179.2	172	Sn	6:59:57.55	0.50

1710.

2024-11-22 time: 10:08:53.59 UTC ML= 1.4  
 lat: 48.598N lon: 20.777E h= 0.0 km  
 erh= 1.7km erz= 561km  
 nr= 9 gap=114 rms=0.42  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.0	239	Pg	10:08:58.43	0.38
			Sg	09:01.51	-0.02
ABAH	47.9	134	Pg	10:09:02.44	0.29
			Sg	09:08.31	-0.52
STHS	97.3	21	Sg	10:09:24.44	-0.08
PSZ	100.0	221	Pg	10:09:11.70	0.25
			Sg	09:24.59	-0.78
LANS	114.0	303	Pg	10:09:13.98	0.03
			Sg	09:28.49	-1.34

1711.

2024-11-22 time: 10:26:09.55 UTC ML= 1.5  
 lat: 47.279N lon: 18.365E h= 0.0 km  
 erh= 2.3km erz= 4.3km  
 nr= 9 gap=161 rms=0.60  
 Locality: Magyarálmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.2	320	Pg	10:26:11.52	-0.21
			Sg	26:11.87	-1.56
PKSG	12.7	9	PgU	10:26:12.24	0.44
			Sg	26:13.57	0.00
PKST	25.1	265	Pg	10:26:14.71	0.68
			Sg	26:17.80	0.27
MORH	120.1	170	Sg	10:26:47.45	-0.28
PKSM	120.5	170	Sg	10:26:47.91	0.05
KOVH	133.9	189	Sn	10:26:50.62	-1.17

1712.

2024-11-22 time: 10:47:08.72 UTC ML= 1.9  
 lat: 48.806N lon: 21.639E h= 0.0 km  
 erh= 3.4km erz= 4.5km  
 nr= 16 gap= 98 rms=1.21  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	63.9	208	Pg	10:47:22.38	2.24
			Sg	47:28.86	-0.18
STHS	73.8	337	Pg	10:47:24.08	2.18
			Sg	47:32.10	-0.09
KECS	92.3	247	Pg	10:47:25.78	0.58
			Sg	47:35.96	-2.09
TRPA	100.4	138	Pg	10:47:26.24	-0.40
			Sg	47:39.36	-1.26
NIE	118.4	305	Pg	10:47:29.79	-0.08
			Sg	47:43.68	-2.68
KWP	120.4	40	Pg	10:47:30.15	-0.06
			Sg	47:45.23	-1.75
PSZ	162.7	233	Pn	10:47:36.22	0.18
			Sn	47:56.96	-0.38
LANS	163.5	284	Sn	10:47:56.96	-0.58
OJC	206.1	320	Sn	10:48:06.86	-0.13

## Földrengés paraméterek

## Hypocenter Parameters

1713.

2024-11-23 time: 4:05:12.03 UTC ML= 1.1  
 lat: 45.517N lon: 21.205E h= 15.8 km  
 erh= 3.4km erz= 1.0km  
 nr= 5 gap=231 rms=0.12  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BANR	15.9	200	PgD	4:05:15.98			-0.05
			Sg	05:19.15			-0.01
BZS	34.0	71	Pg	4:05:18.91			0.19
			Sg	05:23.79			-0.16
GZR	123.7	96	Sn	4:05:48.31			-0.09

1714.

2024-11-25 time: 8:23:46.26 UTC ML= 1.7  
 lat: 47.843N lon: 19.123E h= 0.0 km  
 erh= 5.1km erz= \*\*\*km  
 nr= 7 gap=184 rms=0.79  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	13.2	116	Pg	8:23:49.48			0.86
			Sg	23:50.56			0.10
PSZ	58.3	82	Pg	8:23:57.18			0.51
			Sg	24:04.70			-0.09
CSKK	84.0	231	Sg	8:24:11.95			-1.01
KECS	123.8	55	Pg	8:24:08.16			-0.22
			Sg	24:23.38			-2.25

1715.

2024-11-25 time: 9:23:07.48 UTC ML= 1.6  
 lat: 47.976N lon: 16.092E h= 0.0 km  
 erh= 1.5km erz= 3.1km  
 nr= 9 gap=140 rms=0.37  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	18.0	253	Pg	9:23:10.69			-0.01
			Sg	23:13.39			0.18
RONA	34.3	154	Pg	9:23:13.66			0.06
			Sg	23:18.43			0.05
ARSA	91.3	208	Pg	9:23:24.06			0.28
			Sg	23:35.54			-0.96
KRUC	122.8	10	Pg	9:23:29.78			0.37
			Sg	23:45.81			-0.71
VRAC	152.7	14	Sn	9:23:53.37			-0.52

1716.

2024-11-25 time: 10:22:26.38 UTC ML= 1.9  
 lat: 48.522N lon: 20.791E h= 0.0 km  
 erh= 2.9km erz= 4.9km  
 nr= 15 gap= 98 rms=1.08  
 Locality: Tornaszentandrás  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.0	259	Pg	10:22:30.39			-0.09
			Sg	22:33.53			-0.15
ABAH	41.7	127	Pg	10:22:33.95			0.13
			Sg	22:39.83			0.21
PSZ	94.6	225	Pg	10:22:44.44			1.17
			Sg	22:55.68			-0.77
STHS	104.8	18	Pg	10:22:45.96			0.86
			Sg	22:57.21			-2.49
NIE	105.7	341	Pg	10:22:46.60			1.36
KOLS	118.2	67	Pg	10:22:48.75			1.26

			Sg	23:02.35			-1.61
LANS	119.7	306	Sg	10:23:02.98			-1.43
TRPA	136.8	109	Pn	10:22:49.20			-1.26
			Sn	23:07.48			-1.77
PENC	138.7	234	Pn	10:22:50.82			0.12

1717.

2024-11-25 time: 10:47:53.91 UTC ML= 1.9  
 lat: 47.331N lon: 18.390E h= 0.0 km  
 erh= 2.1km erz= 3.2km  
 nr= 19 gap=100 rms=1.00  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	6.8	1	PgU	10:47:54.88			-0.24
			Sg	47:55.51			-0.55
CSKK	10.4	290	PgU	10:47:56.18			0.41
			Sg	47:57.54			0.32
PKST	28.1	253	Pg	10:47:59.56			0.64
			Sg	48:02.35			-0.48
BUD	50.8	70	Sg	10:48:10.48			0.43
MPLH	66.8	254	Sg	10:48:14.15			-0.99
PENC	84.4	53	Sg	10:48:20.72			0.00
PKB4	94.2	170	Sg	10:48:23.81			-0.05
MORH	125.5	171	Pg	10:48:17.84			1.52
			Sg	48:31.89			-1.91
PKSM	125.9	171	Pg	10:48:17.84			1.45
			Sg	48:31.80			-2.13
PSZ	130.6	60	Pn	10:48:17.12			-0.11
			Sn	48:34.23			-1.19
KOVH	139.9	189	Sn	10:48:36.48			-1.00
RONA	162.9	285	Sn	10:48:40.65			-1.94
CONA	201.3	289	Sn	10:48:53.29			2.19

1718.

2024-11-25 time: 12:47:48.87 UTC ML= 1.5  
 lat: 47.918N lon: 20.327E h= 0.0 km  
 erh= 5.1km erz= 4.8km  
 nr= 9 gap=178 rms=0.85  
 Locality: Egerbakta  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	32.3	270	Pg	12:47:54.79			0.15
			Sg	47:58.93			-0.22
KECS	63.9	11	Pg	12:48:00.19			-0.09
			Sg	48:07.86			-1.31
PENC	79.5	260	Sg	12:48:13.81			-0.34
ABAH	79.9	58	Pg	12:48:04.42			1.29
			Sg	48:13.90			-0.35
TRPA	166.7	82	Sn	12:48:36.68			-1.70
NIE	166.8	360	Sn	12:48:39.47			1.05

1719.

2024-11-25 time: 15:35:17.61 UTC ML= 2.4  
 lat: 47.121N lon: 19.295E h= 0.0 km  
 erh= 2.5km erz= 8.2km  
 nr= 24 gap= 66 rms=0.94  
 Locality: Kunpezér  
 Comments: felt 3-4 IIS - probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	13.1	231	Pg	15:35:20.44			0.50
			Sg	35:22.37			0.60
PKSN	50.2	120	Sg	15:35:31.74			-1.82
PKB1	53.6	226	Pg	15:35:27.29			0.12
			Sg	35:33.62			-1.01
PKS2	70.3	185	Pg	15:35:31.54			1.39
PKB5	72.4	216	Pg	15:35:31.87			1.33
			Sg	35:41.06			0.44

## Hypocenter Parameters

## Földrengés paraméterek

PENC 74.4 359 Pg 15:35:31.82 0.93  
 PKSG 74.7 294 Pg 15:35:31.17 0.22  
 Sg 35:40.59 -0.77  
 BSZH 76.3 75 Pg 15:35:32.05 0.82  
 PKB3 77.9 186 Pg 15:35:32.81 1.29  
 PKB4 87.2 217 Pg 15:35:33.24 0.06  
 PKS9 97.6 233 Pg 15:35:34.77 -0.27  
 PSZ 99.4 27 Pg 15:35:34.86 -0.50  
 Sg 35:47.51 -1.71  
 MORH 112.3 206 Pg 15:35:37.31 -0.35  
 Sg 35:51.29 -2.02  
 PKSM 112.8 206 Pg 15:35:37.27 -0.48  
 Sg 35:51.60 -1.86  
 S9BD 114.5 207 Pg 15:35:37.27 -0.79  
 Sg 35:51.60 -2.41  
 KOVH 146.9 219 Pn 15:35:42.80 -0.15

1720.

2024-11-25 time: 17:16:09.30 UTC ML= 1.8  
 lat: 47.089N lon: 19.358E h= 0.0 km  
 erh= 3.2km erz= 542km  
 nr= 8 gap=186 rms=0.40  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.7	253	Pg	17:16:12.30	0.20
			Sg	16:14.10	-0.19
PENC	78.2	356	Pg	17:16:23.78	0.51
PKS9	99.5	236	Pg	17:16:27.16	0.10
PSZ	100.7	24	Pg	17:16:26.66	-0.62
MORH	111.4	209	Pg	17:16:29.36	0.17
			Sg	16:43.19	-1.51
PKSM	111.9	209	Pg	17:16:29.23	-0.05

1721.

2024-11-25 time: 18:13:12.75 UTC ML= 1.3  
 lat: 48.024N lon: 19.392E h= 6.8 km  
 erh= 2.0km erz=11.2km  
 nr= 7 gap=164 rms=0.22  
 Locality: Iliny  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	27.2	198	Pg	18:13:17.94	0.18
			Sg	13:21.57	-0.10
PSZ	39.3	107	Pg	18:13:20.15	0.27
			Sg	13:25.26	-0.17
BUD	66.1	205	Sg	18:13:33.65	-0.22
SRO	84.0	254	Sg	18:13:39.46	-0.06
KECS	95.9	58	Sg	18:13:42.95	-0.37

1722.

2024-11-25 time: 19:16:37.47 UTC ML= 1.0  
 lat: 47.825N lon: 16.271E h= 12.3 km  
 erh= 2.0km erz= 1.8km  
 nr= 6 gap=122 rms=0.09  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.0	172	Pg	19:16:40.94	0.13
			Sg	16:43.26	-0.15
SOP	26.7	126	Sg	19:16:46.73	-0.09
CONA	32.7	291	Pg	19:16:43.70	-0.01
			Sg	16:48.60	0.02
KRUC	137.9	4	Sn	19:17:17.75	-0.04

1723.

2024-11-25 time: 20:20:51.34 UTC ML= 2.1  
 lat: 47.834N lon: 16.249E h= 10.0 km  
 erh= 1.6km erz= 1.3km  
 nr= 30 gap= 58 rms=0.77  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.4	167	PgD	20:20:54.53	-0.08
			Sg	20:56.60	-0.57
SOP	28.6	126	PgU	20:20:56.87	0.12
			Sg	21:00.74	-0.24
CONA	30.8	290	Pg	20:20:57.23	0.11
			Sg	21:01.37	-0.26
WINA	33.1	337	Pg	20:20:58.35	0.84
			Sg	21:03.00	0.68
ZST	75.3	58	Pg	20:21:05.11	0.20
			Sg	21:14.68	-0.81
ARSA	84.8	220	Pg	20:21:05.38	-1.21
			Sg	21:15.26	-3.23
EGYH	93.7	120	Pg	20:21:08.31	0.15
			Sg	21:20.48	-0.80
ABNA	111.0	327	Pn	20:21:10.10	-0.83
			Sn	21:23.10	-3.12
SMOL	115.8	49	Pn	20:21:12.47	0.94
			Sn	21:26.69	-0.59
KRUC	136.9	5	Pn	20:21:14.27	0.10
			Sn	21:30.48	-1.50
MOA	148.4	271	Pn	20:21:16.14	0.54
			Sn	21:34.27	-0.26
PKST	148.8	115	Sn	20:21:34.79	0.17
KOGS	154.1	180	Pn	20:21:18.00	1.69
			Sn	21:37.25	1.47
VRAC	165.9	9	Pn	20:21:17.96	0.18
			Sn	21:37.54	-0.86
BIOA	196.4	265	Pn	20:21:21.98	0.40
			Sn	21:45.85	0.69
KBA	234.6	249	Sn	20:21:54.40	0.75

1724.

2024-11-26 time: 8:57:04.28 UTC ML= 1.6  
 lat: 47.708N lon: 18.734E h= 0.0 km  
 erh= 7.8km erz= 9.4km  
 nr= 10 gap=206 rms=1.36  
 Locality: Csolnok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	33.7	290	Sg	8:57:14.91	-0.07
PKSG	43.6	216	Pg	8:57:13.68	1.61
			Sg	57:18.43	0.29
CSKK	52.3	223	Pg	8:57:15.19	1.56
			Sg	57:20.48	-0.43
PKST	72.6	227	Sg	8:57:26.83	-0.52
MPLH	108.1	236	Sg	8:57:36.23	-2.42
EGYH	110.4	253	Sg	8:57:38.15	-1.21
PKSN	124.4	136	Sg	8:57:41.53	-2.28
RONA	183.0	270	Sn	8:57:57.37	-0.04

1725.

2024-11-26 time: 10:29:40.84 UTC ML= 2.2  
 lat: 48.404N lon: 17.211E h= 0.0 km  
 erh= 1.4km erz= 2.4km  
 nr= 18 gap=146 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	20.2	53	Pg	10:29:44.13	-0.31
			Sg	29:47.60	0.35
ZST	24.5	199	Pg	10:29:45.70	0.48



## Földrengés paraméterek

## Hypocenter Parameters

JAVC 60.9 34 Sg 29:48.46 -0.18  
 Pg 10:29:52.21 0.50  
 Sg 29:57.41 -2.78\*  
 SOP 93.8 211 Pg 10:29:57.67 0.08  
 KRUC 94.6 321 Pg 10:29:58.38 0.64  
 Sg 30:10.06 -0.85  
 RONA 103.9 221 Pg 10:29:59.66 0.26  
 Sg 30:12.80 -1.07  
 VRAC 110.3 336 Pg 10:30:00.61 0.08  
 Sg 30:16.27 0.38  
 CONA 113.5 242 Pg 10:30:01.61 0.50  
 Sg 30:16.04 -0.88  
 ZBNS 132.8 52 Pn 10:30:03.62 -0.82  
 MORC 154.5 9 Pn 10:30:06.75 -0.40  
 Sn 30:27.38 -0.28

1726.

2024-11-26 time: 10:54:48.60 UTC ML= 0.8  
 lat: 47.227N lon: 18.261E h= 0.0 km  
 erh= 3.3km erz= 699km  
 nr= 9 gap=189 rms=0.52  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.2	360	Pg	10:54:51.56	0.25
			Sg	54:53.02	-0.40
PKST	17.5	282	Pg	10:54:51.78	0.05
			Sg	54:54.25	0.08
PKSG	20.8	28	Pg	10:54:52.60	0.28
			Sg	54:54.39	-0.83
TIH	45.8	218	Sg	10:55:02.47	-0.70
MPLH	55.0	263	Pg	10:54:59.18	0.75
			Sg	55:05.11	-0.98

1727.

2024-11-26 time: 11:00:42.40 UTC ML= 1.3  
 lat: 47.568N lon: 18.388E h= 0.0 km  
 erh= 3.1km erz= 6.0km  
 nr= 10 gap=131 rms=0.76  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.5	179	Pg	11:00:46.42	0.53
			Sg	00:48.36	-0.25
CSKK	24.7	203	Pg	11:00:47.28	0.47
			Sg	00:49.80	-0.44
SRO	27.9	348	Sg	11:00:50.66	-0.61
PKST	43.5	218	Pg	11:00:50.93	0.77
			Sg	00:54.89	-1.32
PSZ	119.5	71	Pg	11:01:04.25	0.50
			Sg	01:19.20	-1.20
PKSM	151.9	173	Sn	11:01:27.04	-1.61

1728.

2024-11-26 time: 12:33:06.50 UTC ML= 0.7  
 lat: 47.830N lon: 16.036E h= 0.0 km  
 erh= 1.1km erz= 244km  
 nr= 5 gap=177 rms=0.12  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.0	310	Pg	12:33:09.48	-0.06
			Sg	33:11.94	0.04
RONA	24.3	127	Pg	12:33:10.94	0.09
			Sg	33:13.95	-0.29
ARSA	75.1	211	Sg	12:33:30.48	0.10

1729.

2024-11-26 time: 12:36:46.47 UTC ML= 0.9  
 lat: 47.863N lon: 16.055E h= 0.0 km  
 erh= 1.8km erz= 3.1km  
 nr= 6 gap=125 rms=0.78  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	297	Pg	12:36:49.85	0.49
			Sg	36:51.67	0.05
RONA	25.6	135	Pg	12:36:51.67	0.62
			Sg	36:54.50	-0.12
ARSA	79.0	210	Sg	12:37:10.76	-0.84
KRUC	135.6	11	Sn	12:37:27.01	-2.08

1730.

2024-11-26 time: 14:23:50.81 UTC ML= 2.2  
 lat: 47.143N lon: 19.249E h= 0.0 km  
 erh= 4.7km erz= 962km  
 nr= 15 gap=154 rms=0.84  
 Locality: Kunpeszér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	12.6	212	PgU	14:23:53.49	0.43
			Sg	23:54.87	0.07
PKB1	52.9	221	Pg	14:24:00.37	0.11
PENC	72.0	2	Pg	14:24:04.91	1.23
PKB5	72.4	213	Pg	14:24:04.82	1.08
PKB3	80.1	183	Pg	14:24:05.86	0.75
PKB4	87.1	214	Pg	14:24:06.76	0.39
PKST	92.9	278	Pg	14:24:07.44	0.03
PKS9	96.4	230	Pg	14:24:07.89	-0.14
PSZ	99.0	29	PgU	14:24:07.81	-0.68
			Sg	24:20.40	-1.87
MORH	113.0	204	Pg	14:24:10.54	-0.45
			Sg	24:24.74	-1.98
PKSM	113.5	204	Pg	14:24:10.50	-0.58
			Sg	24:24.46	-2.42

1731.

2024-11-26 time: 14:43:31.39 UTC ML= 2.3  
 lat: 47.115N lon: 19.295E h= 0.0 km  
 erh= 5.9km erz= 982km  
 nr= 13 gap=159 rms=0.82  
 Locality: Kunpeszér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	12.7	233	PgU	14:43:33.94	0.29
			Sg	43:35.65	0.24
PKB1	53.1	226	Pg	14:43:40.77	-0.10
PKB5	71.9	216	Pg	14:43:45.33	1.11
PENC	75.1	359	Pg	14:43:45.37	0.57
PKB3	77.2	186	Pg	14:43:46.45	1.26
PKB4	86.7	217	Pg	14:43:47.18	0.31
PKS9	97.2	233	Pg	14:43:48.75	0.00
PSZ	100.1	27	PgU	14:43:48.26	-1.00
MORH	111.7	206	Pg	14:43:50.86	-0.48
			Sg	44:05.12	-1.77
PKSM	112.2	206	Pg	14:43:50.64	-0.79
			Sg	44:04.96	-2.09

## Hypocenter Parameters

## Földrengés paraméterek

1732.

2024-11-27 time: 4:21:03.79 UTC ML= 2.0  
 lat: 48.627N lon: 17.898E h= 9.4 km  
 erh= 2.3km erz= 2.0km  
 nr= 36 gap= 56 rms=1.15  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
JAVC	30.8	327	PgU	4:21:09.83		0.29	
			Sg	21:14.76		0.74	
SMOL	36.9	250	PgD	4:21:10.48		-0.11	
			Sg	21:16.88		0.99	
ZST	75.9	231	Pg	4:21:16.77		-0.68	
			Sg	21:27.30		-0.81	
ZBNS	78.4	44	Pg	4:21:16.47		-1.43	
SRO	95.6	161	Sg	4:21:32.17		-2.15	
KRUC	120.5	294	Pn	4:21:23.99		-0.64	
			Sn	21:39.21		-1.68	
VRAC	121.9	308	Pn	4:21:24.31		-0.51	
			Sn	21:39.75		-1.47	
LANS	129.0	63	Pn	4:21:26.07		0.37	
MORC	130.5	349	Pn	4:21:25.97		0.09	
			Sn	21:41.55		-1.57	
PENC	138.7	132	Pn	4:21:25.95		-0.95	
			Sn	21:44.01		-0.92	
EGYH	141.0	197	Sn	4:21:45.49		0.04	
PKSG	142.2	165	Sn	4:21:45.38		-0.33	
CSKK	143.1	169	Sn	4:21:45.88		-0.04	
WINA	147.1	247	Pn	4:21:28.25		0.30	
PKST	152.4	176	Sn	4:21:48.44		0.45	
RONA	157.6	229	Pn	4:21:31.02		1.76	
			Sn	21:47.95		-1.18	
MPLH	164.2	189	Pn	4:21:29.65		-0.44	
			Sn	21:48.98		-1.62	
PSZ	167.8	118	Pn	4:21:31.78		1.24	
			Sn	21:52.18		0.77	
CONA	170.0	243	Pn	4:21:32.77		1.96	
			Sn	21:54.61		2.73	
KRLC	180.4	333	Pn	4:21:34.57		2.47	
			Sn	21:56.41		2.22	
ABNA	181.7	272	Pn	4:21:32.74		0.47	
			Sn	21:53.97		-0.52	
KECS	191.7	95	Pn	4:21:35.16		1.65	
NIE	197.4	64	Sn	4:22:00.69		2.73	

1733.

2024-11-27 time: 8:07:51.54 UTC ML= 1.9  
 lat: 48.539N lon: 17.357E h= 0.0 km  
 erh= 1.2km erz= 8.1km  
 nr= 14 gap= 89 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	6.0	118	Pg	8:07:52.55		-0.06	
			Sg	07:53.27		-0.17	
JAVC	42.5	33	Pg	8:07:58.85		-0.27	
			Sg	08:05.16		0.12	
ZST	42.5	206	Pg	8:08:00.02		0.89	
			Sg	08:05.34		0.29	
KRUC	91.5	309	Pg	8:08:08.08		0.19	
			Sg	08:20.51		-0.13	
VRAC	102.3	327	Pg	8:08:09.88		0.08	
RONA	122.2	220	Pg	8:08:13.30		-0.07	
			Sg	08:29.87		-0.52	
CONA	130.2	239	Pg	8:08:14.74		-0.05	
			Sg	08:31.40		-1.52	
MORC	138.4	6	Sn	8:08:32.75		-2.02	

1734.

2024-11-27 time: 10:12:20.08 UTC ML= 2.0  
 lat: 48.685N lon: 22.265E h= 0.0 km  
 erh= 3.2km erz= 2.4km  
 nr= 10 gap=239 rms=0.45  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOLS	27.7	1	PgU	10:12:24.51		-0.51	
			Sg	12:29.24		0.37	
ABAH	87.3	240	Pg	10:12:36.08		0.41	
			Sg	12:47.57		-0.25	
STHS	110.5	317	Pg	10:12:39.69		-0.12	
			Sg	12:55.22		0.02	
KECS	133.2	260	Pn	10:12:43.78		0.06	
			Sn	12:59.90		-2.26	
NIE	164.4	300	Sn	10:13:10.12		1.03	
PSZ	195.4	244	Sn	10:13:15.71		-0.27	

1735.

2024-11-27 time: 12:03:25.95 UTC ML= 1.5  
 lat: 45.997N lon: 21.830E h= 15.7 km  
 erh= 3.8km erz= 3.2km  
 nr= 8 gap=196 rms=0.52  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	35.4	140	PgU	12:03:32.48		-0.38	
			Sg	03:37.65		-0.60	
BZS	45.4	201	Pg	12:03:34.75		0.22	
			Sg	03:40.92		-0.29	
GZR	99.7	132	P*	12:03:44.14		0.75	
			S*	03:56.84		-0.16	
DRGR	111.4	37	Pn	12:03:45.27		0.40	
			Sn	03:58.51		-1.11	

1736.

2024-11-27 time: 14:23:50.74 UTC ML= 2.1  
 lat: 47.141N lon: 19.251E h= 0.0 km  
 erh= 3.7km erz= 815km  
 nr= 14 gap=131 rms=0.70  
 Locality: Kunpeszér  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	12.5	214	Pg	14:23:53.26		0.29	
			Sg	23:55.14		0.44	
PKB1	52.8	221	Pg	14:23:59.82		-0.36	
PKSN	54.1	120	Pg	14:24:01.35		0.95	
PENC	72.3	2	Pg	14:24:04.32		0.67	
PKB5	72.3	213	Pg	14:24:04.68		1.03	
			Sg	24:13.79		0.07	
PKB3	79.8	183	Pg	14:24:04.96		-0.03	
PKB4	87.0	215	Pg	14:24:06.74		0.46	
PKS9	96.4	230	Pg	14:24:07.62		-0.33	
PSZ	99.1	29	PgU	14:24:07.53		-0.90	
MORH	112.8	204	Pg	14:24:10.42		-0.47	
PKSM	113.3	204	Pg	14:24:09.84		-1.14	
			Sg	24:25.21		-1.55	

1737.

2024-11-27 time: 14:42:43.71 UTC ML= 2.1  
 lat: 47.134N lon: 19.241E h= 0.0 km  
 erh= 3.5km erz= \*\*\*km  
 nr= 18 gap= 73 rms=0.95  
 Locality: Kunpeszér  
 Comments: probably explosion

**Földrengés paraméterek**

**Hypocenter Parameters**

sta	dist	azm	phase	hr mn sec	res
PKS7	11.4	212	Pg	14:42:45.98	0.23
			Sg	42:47.76	0.41
PKB2	51.2	180	Pg	14:42:53.71	0.87
PKB1	51.8	221	Pg	14:42:52.64	-0.32
			Sg	42:58.93	-1.24
PKSN	54.4	119	Pg	14:42:54.59	1.16
PKSG	70.4	294	Pg	14:42:57.36	1.08
PKB5	71.3	213	Pg	14:42:57.39	0.95
PENC	73.0	2	Pg	14:42:57.58	0.84
PKB3	79.1	183	Pg	14:42:58.54	0.71
BSZH	79.9	77	Pg	14:42:58.02	0.05
PKB4	86.0	214	Pg	14:42:59.50	0.43
PSZ	100.1	29	Pg	14:43:00.29	-1.29
			Sg	43:13.64	-1.88
MORH	111.9	204	Pg	14:43:02.99	-0.69
			Sg	43:16.93	-2.34
PKSM	112.4	204	Pg	14:43:02.62	-1.15
S9BD	114.0	205	Pg	14:43:03.09	-0.97

1738.

2024-11-28 time: 9:52:56.77 UTC ML= 1.7  
 lat: 48.621N lon: 21.445E h= 0.0 km  
 erh= 2.3km erz= 3.9km  
 nr= 16 gap= 79 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	39.2	203	Pg	9:53:03.46	-0.30
			Sg	53:09.40	0.18
KOLS	70.1	60	Pg	9:53:09.95	0.67
			Sg	53:17.87	-1.17
KECS	72.5	258	Pg	9:53:10.31	0.61
			Sg	53:19.67	-0.13
STHS	89.7	351	Pg	9:53:12.94	0.15
			Sg	53:25.72	0.43
TRPA	97.7	124	Pg	9:53:15.10	0.89
			Sg	53:26.08	-1.74
NIE	121.4	317	Pg	9:53:17.62	-0.82
			Sg	53:34.08	-1.26
PSZ	139.1	236	Pn	9:53:21.47	0.33
			Sn	53:38.33	-1.83
LANS	156.5	292	Pn	9:53:24.82	1.50
			Sn	53:43.01	-1.01

1739.

2024-11-28 time: 10:09:19.17 UTC ML= 1.1  
 lat: 45.685N lon: 22.144E h= 5.9 km  
 erh= 2.0km erz= 4.3km  
 nr= 6 gap=136 rms=0.29  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	7.9	349	PgU	10:09:21.06	0.13
			Sg	09:22.22	-0.08
BZS	41.8	260	Pg	10:09:26.81	0.10
			Sg	09:32.03	-0.56
GZR	59.1	123	Pg	10:09:30.05	0.28
			Sg	09:37.49	-0.55

1740.

2024-11-28 time: 11:59:00.04 UTC ML= 2.0  
 lat: 48.239N lon: 21.262E h= 0.0 km  
 erh= 3.6km erz= \*\*\*km  
 nr= 9 gap=153 rms=0.83  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
-----	------	-----	-------	-----------	-----

ABAH	6.5	345	Pg	11:59:01.50	0.29
			Sg	59:02.53	0.42
KECS	63.6	295	Pg	11:59:11.54	0.14
			Sg	59:18.70	-1.56
TRPA	95.7	97	Pg	11:59:16.98	-0.16
			Sg	59:29.22	-1.25
KOLS	107.3	44	Sg	11:59:34.46	0.31
PSZ	108.0	251	Pg	11:59:20.68	1.35
			Sg	59:33.10	-1.27

1741.

2024-11-28 time: 18:15:08.67 UTC ML= 1.3  
 lat: 45.691N lon: 21.370E h= 16.1 km  
 erh= 5.5km erz= 2.5km  
 nr= 9 gap=192 rms=0.77  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.9	113	PgU	18:15:14.13	0.74
			Sg	15:17.80	0.73
BANR	38.9	208	Pg	18:15:15.68	-0.52
			Sg	15:21.90	-0.16
SURR	59.1	83	Pg	18:15:19.80	0.18
			Sg	15:25.61	-2.55
GZR	114.7	107	Sn	18:15:41.95	-1.03
DJES	148.6	142	Sn	18:15:50.91	0.42
DRGR	160.2	40	Sn	18:15:53.62	0.55

1742.

2024-11-29 time: 7:48:34.56 UTC ML= 0.8  
 lat: 47.207N lon: 18.294E h= 0.0 km  
 erh= 2.6km erz= 779km  
 nr= 8 gap=147 rms=0.56  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.5	352	Pg	7:48:38.03	0.34
			Sg	48:38.97	-1.16
PKST	20.5	286	Pg	7:48:38.57	0.35
			Sg	48:40.64	-0.43
PKSG	21.8	20	Pg	7:48:39.11	0.66
			Sg	48:41.04	-0.44
MORH	113.4	166	Sg	7:49:10.36	-0.25
PKSM	113.8	167	Sg	7:49:10.00	-0.73

1743.

2024-11-29 time: 9:13:02.19 UTC ML= 1.8  
 lat: 49.000N lon: 21.265E h= 0.0 km  
 erh= 3.8km erz= 7.2km  
 nr= 11 gap= 79 rms=1.15  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	46.4	358	Pg	9:13:11.72	1.25
			Sg	13:16.51	-0.42
KOLS	74.2	96	Pg	9:13:15.41	-0.03
			Sg	13:25.34	-0.43
ABAH	78.3	181	Pg	9:13:17.66	1.49
KECS	81.2	225	Pg	9:13:17.39	0.71
			Sg	13:26.06	-1.93
NIE	83.6	304	Sg	9:13:26.94	-1.81
KWP	126.2	56	Sg	9:13:40.81	-1.50
TRPA	134.9	136	Pn	9:13:26.24	0.20
			Sn	13:42.70	-1.95

## Hypocenter Parameters

## Földrengés paraméterek

1744.

2024-11-29 time: 9:37:37.40 UTC ML= 1.2  
 lat: 48.313N lon: 21.503E h= 0.0 km  
 erh= 3.4km erz= 750km  
 nr= 5 gap=160 rms=0.34  
 Locality: Hercegkút  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	19.6	264	Pg	9:37:41.05	0.15
			Sg	37:43.93	0.29
KECS	77.7	284	Sg	9:38:01.29	-0.79
TRPA	79.6	105	Sg	9:38:02.54	-0.17
KOLS	89.3	39	Sg	9:38:05.96	0.17

1745.

2024-11-29 time: 10:56:54.20 UTC ML= 2.0  
 lat: 45.500N lon: 17.907E h= 6.0 km  
 erh= 8.0km erz= 6.4km  
 nr= 17 gap=178 rms=1.00  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	50.9	32	Pg	10:57:03.96	0.61
			Sg	57:11.30	0.82
KOVH	67.1	13	Pg	10:57:06.48	0.25
PKSM	97.5	36	Pg	10:57:11.52	-0.13
			Sg	57:23.77	-1.49
MORH	98.0	36	Pg	10:57:11.70	-0.04
			Sg	57:24.22	-1.19
BLY	101.0	214	Pg	10:57:11.88	-0.40
			Sg	57:24.22	-2.16
PKB4	123.2	26	Pn	10:57:15.84	0.01
BEHE	138.9	321	Pn	10:57:18.19	0.39
			Sn	57:34.16	-2.04
PTJ	158.1	286	Pn	10:57:21.20	1.01
			Sn	57:41.15	0.69
KOGS	166.1	309	Sn	10:57:40.61	-1.61
CRES	194.3	281	Pn	10:57:27.05	2.35
			Sn	57:51.07	2.58

1746.

2024-11-29 time: 14:02:49.00 UTC ML= 2.1  
 lat: 47.095N lon: 19.376E h= 0.0 km  
 erh= 4.4km erz= 822km  
 nr= 11 gap=187 rms=0.66  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.2	252	Pg	14:02:52.30	0.23
			Sg	02:54.64	0.17
PKB1	56.3	232	Pg	14:02:59.19	0.14
PENC	77.7	355	Pg	14:03:03.73	0.86
PKB4	88.9	222	Pg	14:03:05.72	0.84
PSZ	99.5	23	Pg	14:03:06.53	-0.24
			Sg	03:18.73	-1.90
PKS9	101.0	236	Pg	14:03:06.66	-0.37
PKST	103.4	280	Pg	14:03:07.11	-0.35
PKSM	113.1	210	Pg	14:03:09.14	-0.06
			Sg	03:22.78	-2.18

1747.

2024-11-29 time: 14:21:07.45 UTC ML= 2.1  
 lat: 47.085N lon: 19.344E h= 0.0 km  
 erh= 1.8km erz= 4.9km  
 nr= 16 gap=103 rms=0.53  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	14.5	253	PgU	14:21:10.51	0.47
			Sg	21:12.15	0.09
PKSN	45.0	118	Sg	14:21:21.74	-0.01
PKB1	53.7	231	Pg	14:21:17.17	0.13
			Sg	21:23.36	-1.15
PKS6	56.5	163	Sg	14:21:25.97	0.55
PENC	78.6	357	Pg	14:21:21.87	0.39
PKB4	86.5	221	Pg	14:21:23.54	0.65
PKS9	98.3	236	Pg	14:21:24.80	-0.21
PSZ	101.5	24	PgU	14:21:24.80	-0.78
MORH	110.5	209	Pg	14:21:27.15	-0.03
			Sg	21:40.72	-1.85
PKSM	111.0	209	Pg	14:21:27.32	0.05
			Sg	21:41.10	-1.62
S9BD	112.8	210	Pg	14:21:27.65	0.06
KOVH	146.2	221	Pn	14:21:32.91	0.20

1748.

2024-11-29 time: 21:02:55.08 UTC ML= 1.5  
 lat: 47.234N lon: 18.171E h= 11.7 km  
 erh= 1.9km erz= 1.4km  
 nr= 22 gap=103 rms=0.66  
 Locality: Bakonykúti  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	10.7	285	PgU	21:02:58.24	0.33
			Sg	03:00.52	0.41
CSKK	15.9	25	Pg	21:02:58.49	-0.11
			Sg	03:00.94	-0.40
PKSG	24.2	44	Pg	21:02:59.37	-0.50
			Sg	03:03.49	-0.12
EGYH	66.6	288	Sg	21:03:15.32	-1.25
PKB1	68.8	137	Pg	21:03:07.70	0.15
			Sg	03:16.48	-0.79
PKB5	83.1	149	Pg	21:03:10.91	0.85
			Sg	03:21.23	-0.52
PKB4	88.4	158	Sg	21:03:23.19	-0.24
PKB2	102.6	127	S*	21:03:26.66	-0.92
MORH	118.9	162	Pn	21:03:15.94	0.50
			Sn	03:30.17	-1.15
S9BD	118.9	164	Sn	21:03:29.84	-1.49
PKSM	119.2	162	Pn	21:03:16.03	0.54
			Sn	03:30.71	-0.69
PKB3	119.3	139	Pn	21:03:16.52	1.03
			Sn	03:31.39	-0.02
KOVH	127.5	182	Sn	21:03:33.77	0.53
PSZ	150.4	60	Sn	21:03:39.23	0.91

1749.

2024-11-30 time: 9:54:12.56 UTC ML= 1.1  
 lat: 46.162N lon: 18.300E h= 0.0 km  
 erh= 0.4km erz= 124km  
 nr= 10 gap=116 rms=0.10  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.5	242	PgU	9:54:15.62	-0.07
			Sg	54:18.26	0.13
PKSM	26.9	78	Pg	9:54:17.42	0.05
			Sg	54:21.21	0.09
MORH	27.2	77	Pg	9:54:17.45	0.02
			Sg	54:21.05	-0.17
PKSV	30.6	187	Pg	9:54:18.06	0.03
			Sg	54:22.20	-0.10
PKB4	43.9	32	Sg	9:54:26.59	0.07
PKS9	47.3	358	Sg	9:54:27.15	-0.44

## Földrengés paraméterek

## Hypocenter Parameters

1750.

2024-11-30 time: 15:00:03.98 UTC ML= 1.1  
 lat: 45.694N lon: 21.841E h= 0.0 km  
 erh= 3.6km erz= 4.7km  
 nr= 7 gap=145 rms=0.82  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BZS	19.5	244	Pg	15:00:07.69	0.23
			Sg	00:10.57	0.39
SURR	23.0	73	Pg	15:00:08.73	0.64
			Sg	00:11.88	0.58
GZR	80.3	115	Sg	15:00:28.40	-1.10
DRGR	139.3	29	Pn	15:00:28.13	-0.24
			Sn	00:44.27	-3.13

1751.

2024-12-01 time: 1:37:38.17 UTC ML= 1.6  
 lat: 47.628N lon: 17.771E h= 5.4 km  
 erh= 1.3km erz= 1.6km  
 nr= 31 gap= 66 rms=0.73  
 Locality: Töltéstava  
 Comments:

sta	dist	azm	phase	hr mn sec	res
EGYH	40.6	235	Pg	1:37:46.10	0.62
			Sg	37:52.31	1.13
SRO	45.6	63	Sg	1:37:53.47	0.70
PKST	45.6	154	Pg	1:37:46.49	0.12
			Sg	37:52.59	-0.18
CSKK	47.2	129	Pg	1:37:46.59	-0.07
			Sg	37:52.83	-0.45
PKSG	53.6	119	Pg	1:37:47.74	-0.05
			Sg	37:55.77	0.48
MPLH	53.9	199	Pg	1:37:47.61	-0.23
			Sg	37:54.92	-0.46
ZST	80.5	322	Pg	1:37:52.94	0.36
			Sg	38:03.10	-0.72
TIH	81.5	173	Pg	1:37:52.03	-0.73
			Sg	38:02.42	-1.71
SOP	91.3	274	Pg	1:37:54.97	0.46
			Sg	38:06.99	-0.26
SMOL	101.7	345	Pg	1:37:56.77	0.41
			Sg	38:09.52	-1.03
RONA	111.1	274	Sg	1:38:11.98	-1.53
PKB1	121.6	140	Sn	1:38:14.57	-1.87
JAVC	137.1	357	Sn	1:38:20.97	1.10
WINA	137.7	293	Pn	1:38:01.60	-0.08
			Sn	38:18.42	-1.60
CONA	146.9	283	Sn	1:38:22.47	0.41
PSZ	162.4	79	Sn	1:38:24.81	-0.68
MORH	170.5	157	Pn	1:38:06.42	0.65
			Sn	38:28.44	1.14
PKSM	170.9	157	Pn	1:38:05.82	0.01
			Sn	38:29.33	1.96
KOVH	173.0	172	Sn	1:38:29.38	1.53

1752.

2024-12-01 time: 5:32:21.79 UTC ML= 1.9  
 lat: 48.178N lon: 22.664E h= 10.0 km  
 erh= 3.1km erz= 2.8km  
 nr= 15 gap= 66 rms=0.98  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	10.7	241	PgD	5:32:24.28	-0.13
			Sg	32:26.94	0.50
TRSU	23.7	113	Pg	5:32:25.18	-1.20
MUKU	30.8	3	Sg	5:32:32.71	0.62
BRIU	31.9	56	Pg	5:32:28.64	0.88

sta	dist	azm	phase	hr mn sec	res
KOLS	88.9	341	Pg	5:32:39.23	1.47
			Sg	32:48.96	-1.25
STZU	93.3	358	Pg	5:32:38.87	0.32
			Sg	32:50.03	-1.59
ABAH	106.6	277	P*	5:32:40.12	-0.71
			S*	32:54.89	-0.78
RAKU	113.5	98	Pn	5:32:40.62	-1.08
DRGR	154.1	179	Pn	5:32:48.34	1.57
			Sn	33:06.60	0.36

1753.

2024-12-01 time: 6:09:32.08 UTC ML= 1.7  
 lat: 47.868N lon: 20.655E h= 7.4 km  
 erh= 6.2km erz= 7.3km  
 nr= 6 gap=215 rms=0.61  
 Locality: Mezőnyárad  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	57.2	276	Pg	6:09:42.93	0.55
			Sg	09:49.75	-0.66
BSZH	69.6	205	Pg	6:09:45.03	0.45
			Sg	09:53.38	-0.94
KECS	69.6	350	Sg	6:09:53.38	-0.95
PKSN	123.2	209	Pn	6:09:53.74	0.21

1754.

2024-12-01 time: 23:11:22.77 UTC ML= 1.6  
 lat: 47.772N lon: 16.041E h= 9.2 km  
 erh= 1.4km erz= 1.3km  
 nr= 18 gap=108 rms=0.54  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.8	113	PgU	23:11:27.01	0.18
			Sg	11:29.88	-0.12
CONA	21.9	322	Pg	23:11:27.32	0.31
			Sg	11:30.43	0.11
WINA	37.3	4	Pg	23:11:30.06	0.43
			Sg	11:34.64	-0.35
SOP	40.1	104	Pg	23:11:30.16	0.05
			Sg	11:34.77	-1.07
ARSA	69.9	214	Pg	23:11:35.31	-0.05
			Sg	11:44.31	-0.87
EGYH	104.8	112	Pg	23:11:42.16	0.60
ABNA	109.6	336	Pn	23:11:41.70	-0.60
			Sn	11:54.91	-2.62
SMOL	132.2	51	Sn	23:12:03.09	0.55
PERS	144.4	209	Sn	23:12:05.74	0.47
KRUC	145.8	10	Pn	23:11:47.07	0.26
			Sn	12:04.35	-1.21
TREC	174.2	346	eSn	23:12:12.40	0.54
ZVC	230.0	324	eSn	23:12:27.60	3.34*

1755.

2024-12-02 time: 8:27:04.55 UTC ML= 1.5  
 lat: 48.033N lon: 20.344E h= 0.0 km  
 erh= 3.1km erz= 819km  
 nr= 7 gap=123 rms=0.56  
 Locality: Mónosbél  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	35.9	249	Pg	8:27:11.54	0.57
			Sg	27:15.53	-0.44
KECS	51.1	12	Pg	8:27:13.52	-0.16
			Sg	27:20.73	-0.07
ABAH	72.7	66	Pg	8:27:18.12	0.58
			Sg	27:27.16	-0.51
BSZH	81.8	184	Sg	8:27:29.21	-1.33

## Hypocenter Parameters

## Földrengés paraméterek

1756.

2024-12-02 time: 8:55:19.05 UTC ML= 1.3  
 lat: 45.882N lon: 18.396E h= 0.0 km  
 erh= 0.7km erz= 105km  
 nr= 8 gap=246 rms=0.07  
 Locality: Villánykövesd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	11.2	274	Pg	8:55:21.04	-0.01
			Sg	55:22.53	-0.08
KOVH	32.4	315	Pg	8:55:24.85	0.01
			Sg	55:29.42	0.06
PKSM	41.3	27	PgU	8:55:26.44	0.02
			Sg	55:32.21	0.05
MORH	41.8	27	Pg	8:55:26.57	0.07
			Sg	55:32.11	-0.21

1757.

2024-12-02 time: 10:25:35.71 UTC ML= 1.5  
 lat: 47.985N lon: 16.091E h= 0.0 km  
 erh= 1.6km erz= 2.7km  
 nr= 8 gap=140 rms=0.33  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.2	250	Pg	10:25:38.99	0.02
			Sg	25:41.34	-0.16
RONA	35.2	154	Pg	10:25:41.89	-0.11
			Sg	25:46.90	-0.01
KRUC	121.9	11	Pg	10:25:57.97	0.49
			Sg	26:13.82	-0.63
VRAC	151.8	14	Pn	10:26:01.96	0.29
			Sn	26:21.29	-0.63

1758.

2024-12-02 time: 11:22:30.89 UTC ML= 1.5  
 lat: 47.332N lon: 17.653E h= 0.0 km  
 erh= 1.5km erz= 545km  
 nr= 12 gap=151 rms=0.47  
 Locality: Bakonyszűcs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	19.9	206	Pg	11:22:34.72	0.27
			Sg	22:37.46	0.24
EGYH	26.1	291	Sg	11:22:38.68	-0.49
PKST	29.9	106	Pg	11:22:36.07	-0.17
			Sg	22:40.51	0.10
CSKK	46.0	86	Sg	11:22:45.63	0.11
TIH	51.3	159	Pg	11:22:40.42	0.36
			Sg	22:46.67	-0.54
PKSG	56.1	83	Pg	11:22:40.74	-0.17
			Sg	22:47.88	-0.85
RONA	110.1	292	Pg	11:22:51.22	0.67
			Sg	23:04.20	-1.68

1759.

2024-12-02 time: 11:26:50.24 UTC ML= 1.8  
 lat: 46.314N lon: 22.951E h= 0.0 km  
 erh= 1.7km erz= 305km  
 nr= 7 gap=203 rms=0.20  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	48.0	184	Sg	11:27:05.66	0.17
DRGR	56.2	341	Pg	11:27:00.22	-0.05

GZR	103.2	188	Sg	27:07.98	-0.12
			Pg	11:27:08.73	0.06
			Sg	27:22.42	-0.62
BZS	129.2	233	Pg	11:27:13.55	0.24
			Sg	27:31.14	-0.17

1760.

2024-12-02 time: 14:52:28.32 UTC ML= 2.1  
 lat: 47.104N lon: 19.306E h= 0.0 km  
 erh= 4.1km erz= 901km  
 nr= 17 gap=160 rms=0.80  
 Locality: Kunpeszér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	12.7	240	PgU	14:52:30.95	0.36
			Sg	52:32.47	0.11
PKB2	48.0	186	Pg	14:52:37.51	0.62
PKB1	52.9	228	Pg	14:52:37.66	-0.10
			Sg	52:44.32	-0.80
PKB5	71.4	218	Pg	14:52:42.37	1.31
PKB3	76.1	186	Pg	14:52:43.38	1.48
PENC	76.4	359	Pg	14:52:42.38	0.43
PKB4	86.2	218	Pg	14:52:44.33	0.61
PKS9	97.2	234	Pg	14:52:45.28	-0.39
PSZ	100.8	26	Pg	14:52:45.34	-0.98
			Sg	52:55.44	-4.92*
MORH	111.0	207	Pg	14:52:47.78	-0.35
			Sg	53:02.23	-1.36
PKSM	111.5	207	Pg	14:52:47.79	-0.43
			Sg	53:02.36	-1.38
S9BD	113.2	208	Pg	14:52:48.20	-0.33
			Sg	53:03.14	-1.16

1761.

2024-12-02 time: 15:12:20.50 UTC ML= 2.1  
 lat: 47.130N lon: 19.280E h= 0.0 km  
 erh= 6.4km erz= 992km  
 nr= 14 gap=157 rms=0.86  
 Locality: Kunpeszér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	12.9	225	Pg	15:12:23.28	0.48
			Sg	12:24.89	0.29
PKB1	53.4	224	Pg	15:12:30.07	0.03
PKB5	72.5	215	Pg	15:12:34.65	1.20
PENC	73.5	0	Pg	15:12:34.55	0.93
PKB3	78.7	185	Pg	15:12:35.41	0.85
PKB4	87.3	216	Pg	15:12:36.58	0.49
PKS9	97.3	232	Pg	15:12:37.60	-0.28
PSZ	99.1	28	Pg	15:12:37.57	-0.64
			Sg	12:50.40	-1.62
MORH	112.6	206	Pg	15:12:40.12	-0.50
			Sg	12:54.34	-1.97
S9BD	114.8	207	Pg	15:12:40.46	-0.55
			Sg	12:54.47	-2.53

1762.

2024-12-03 time: 8:39:57.34 UTC ML= 1.2  
 lat: 47.250N lon: 18.399E h= 0.0 km  
 erh= 2.9km erz= 5.8km  
 nr= 9 gap=114 rms=0.69  
 Locality: Sárkeresztés  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	15.8	358	PgU	8:40:01.00	0.84
			Sg	40:01.98	-0.38
CSKK	16.4	320	Pg	8:40:00.49	0.22
			Sg	40:01.27	-1.28
PKST	27.7	272	Pg	8:40:02.92	0.64

## Földrengés paraméterek

## Hypocenter Parameters

Sg 40:05.58 -0.55  
 MORH 116.5 171 Sg 8:40:33.82 -0.54  
 PKSM 116.9 171 Sg 8:40:34.53 0.04  
 PSZ 134.8 57 Sn 8:40:38.60 -1.18

1763.

2024-12-03 time: 9:34:03.91 UTC ML= 1.7  
 lat: 47.767N lon: 19.425E h= 0.0 km  
 erh= 2.8km erz= \*\*\*km  
 nr= 13 gap=121 rms=0.98  
 Locality: Erdőkürt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	11.1	284	Pg	9:34:07.13	1.24
			Sg	34:08.01	0.58
PSZ	39.0	64	Pg	9:34:11.88	1.01
			Sg	34:15.99	-0.30
PKS7	82.5	194	Sg	9:34:30.70	0.58
PKSG	88.3	242	Pg	9:34:19.34	-0.34
			Sg	34:30.94	-1.04
PKSN	102.3	161	Sg	9:34:36.81	0.38
KECS	112.1	45	Sg	9:34:36.73	-2.82
PKST	119.0	242	Pg	9:34:25.09	-0.08
			Sg	34:39.70	-2.04
PKB1	119.3	204	Sg	9:34:41.84	0.01
PKS6	130.2	175	Sg	9:34:44.24	-1.05

1764.

2024-12-03 time: 9:47:15.00 UTC ML= 1.7  
 lat: 48.608N lon: 20.741E h= 0.0 km  
 erh= 2.0km erz= 702km  
 nr= 11 gap= 86 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.4	234	Pg	9:47:19.27	0.09
			Sg	47:22.47	0.03
ABAH	50.6	133	Pg	9:47:24.05	0.01
			Sg	47:30.78	-0.31
STHS	97.2	22	Pg	9:47:33.08	0.72
PSZ	99.1	219	Pg	9:47:33.08	0.38
			Sg	47:45.80	-0.71
LANS	111.2	303	Pg	9:47:35.07	0.21
			Sg	47:48.70	-1.65
KOLS	118.3	72	Pg	9:47:36.18	0.05
			Sg	47:50.92	-1.69

1765.

2024-12-03 time: 10:35:05.12 UTC ML= 0.9  
 lat: 47.264N lon: 18.213E h= 0.0 km  
 erh= 4.3km erz= 521km  
 nr= 7 gap=215 rms=0.34  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.5	18	Pg	10:35:06.98	-0.20
			Sg	35:09.01	0.23
PKST	13.6	267	Pg	10:35:07.13	-0.41
			Sg	35:09.33	-0.10
PKSG	19.5	43	Pg	10:35:08.46	-0.14
			Sg	35:11.59	0.28
MPLH	52.1	258	Pg	10:35:15.04	0.61

1766.

2024-12-03 time: 10:43:36.72 UTC ML= 1.5  
 lat: 47.882N lon: 19.104E h= 0.0 km  
 erh= 4.3km erz= 705km  
 nr= 7 gap=217 rms=0.49  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.8	127	Pg	10:43:39.85	0.14
			Sg	43:41.83	-0.22
PSZ	59.3	86	Pg	10:43:47.68	0.38
			Sg	43:54.89	-0.67
PKSG	76.4	225	Sg	10:44:00.83	-0.18
PKST	106.2	229	Pg	10:43:56.06	0.39
			Sg	44:08.93	-1.53

1767.

2024-12-03 time: 11:22:51.19 UTC ML= 2.2  
 lat: 47.296N lon: 18.414E h= 0.0 km  
 erh= 3.0km erz= 3.3km  
 nr= 7 gap=114 rms=0.75  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.8	351	PgU	11:22:53.96	0.84
			Sg	22:54.26	-0.37
CSKK	13.8	303	Sg	11:22:55.24	-0.33
MORH	121.3	172	Sg	11:23:30.22	0.46
PKSM	121.7	172	Sg	11:23:30.14	0.25
PSZ	131.1	58	Sn	11:23:31.08	-1.73
KOVH	136.4	190	Sn	11:23:33.35	-0.62

1768.

2024-12-03 time: 13:13:44.35 UTC ML= 1.6  
 lat: 46.113N lon: 21.685E h= 10.0 km  
 erh= 5.0km erz= 3.8km  
 nr= 8 gap=221 rms=0.54  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	52.5	140	Pg	13:13:54.29	0.40
			Sg	14:00.80	-0.54
BZS	55.4	186	PgD	13:13:54.37	-0.04
			Sg	14:01.22	-1.04
DRGR	109.1	46	Pn	13:14:03.74	0.03
			Sn	14:18.14	-0.67
GZR	116.7	133	Pn	13:14:05.55	0.90
			Sn	14:20.23	-0.26

1769.

2024-12-04 time: 8:33:53.79 UTC ML= 1.6  
 lat: 48.630N lon: 21.457E h= 0.0 km  
 erh= 3.3km erz= 4.3km  
 nr= 13 gap= 71 rms=1.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	40.5	203	Pg	8:34:01.69	0.67
			Sg	34:06.73	0.07
KOLS	68.8	61	Sg	8:34:15.10	-0.57
KECS	73.5	257	Sg	8:34:16.18	-0.98
STHS	88.8	350	Pg	8:34:12.03	2.37
			Sg	34:21.95	-0.08
TRPA	97.6	125	Pg	8:34:12.79	1.57
			Sg	34:23.46	-1.35
NIE	121.2	316	Pg	8:34:14.32	-1.12

## Hypocenter Parameters

PSZ 140.4 236 Pn 8:34:18.06 -0.27  
 Sn 34:37.07 -0.40  
 LTVH 142.4 167 Sn 8:34:37.35 -0.56  
 MEZ 152.4 95 Sn 8:34:38.36 -1.77

1770.

2024-12-04 time: 8:35:37.56 UTC ML= 1.3  
 lat: 47.324N lon: 17.625E h= 0.0 km  
 erh= 2.5km erz= 2.7km  
 nr= 12 gap=146 rms=1.22  
 Locality: Ugod  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	18.3	201	Pg	8:35:42.37			1.54
			Sg	35:43.82			0.44
EGYH	24.4	295	Sg	8:35:44.90			-0.43
PKST	31.8	103	Pg	8:35:44.99			1.75
			Sg	35:48.41			0.74
CSKK	48.2	85	Sg	8:35:52.10			-0.80
PKSG	58.3	83	Sg	8:35:56.02			-0.09
RONA	108.4	293	Sg	8:36:11.33			-0.70
KOVH	142.1	165	Sn	8:36:20.06			-1.56
MORH	145.7	148	Sn	8:36:21.15			-1.28
PKSM	146.0	148	Sn	8:36:20.70			-1.79
CONA	148.6	297	Sn	8:36:22.05			-1.01

1771.

2024-12-04 time: 8:42:14.06 UTC ML= 1.8  
 lat: 46.005N lon: 22.088E h= 10.0 km  
 erh= 4.9km erz=19.6km  
 nr= 8 gap=168 rms=0.81  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	28.0	174	PgU	8:42:20.01			0.63
			Sg	42:23.50			-0.02
BZS	56.6	220	Pg	8:42:24.26			-0.07
			Sg	42:31.51			-0.83
GZR	86.6	142	Pg	8:42:30.21			0.59
			Sg	42:40.25			-1.51
DRGR	99.7	29	Pg	8:42:32.59			0.64
			Sg	42:44.03			-1.88

1772.

2024-12-04 time: 8:44:23.79 UTC ML= 2.0  
 lat: 47.079N lon: 19.387E h= 0.0 km  
 erh= 4.5km erz= 810km  
 nr= 10 gap=188 rms=0.64  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	17.6	258	Pg	8:44:27.02			0.09
			Sg	44:28.01			-1.36
PKB5	73.3	223	Pg	8:44:38.01			1.13
PENC	79.5	354	Pg	8:44:38.64			0.66
PKS9	100.7	237	Pg	8:44:41.52			-0.26
PSZ	100.8	22	Pg	8:44:41.38			-0.42
			Sg	44:55.16			-0.68
MORH	111.6	211	Pg	8:44:44.04			0.32
PKSM	112.1	211	Pg	8:44:43.73			-0.08
			Sg	44:58.42			-1.00

## Földrengés paraméterek

1773.

2024-12-04 time: 9:01:26.39 UTC ML= 1.9  
 lat: 47.077N lon: 19.396E h= 0.0 km  
 erh= 4.0km erz= 6.5km  
 nr= 13 gap=189 rms=0.66  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	18.2	260	Pg	9:01:29.61			-0.03
			Sg	01:31.11			-1.06
PKB1	56.4	235	Pg	9:01:36.28			-0.17
PKB5	73.6	223	Pg	9:01:40.78			1.25
PENC	79.8	354	Pg	9:01:41.32			0.68
PKB4	88.5	223	Pg	9:01:42.58			0.39
PSZ	100.8	22	PgU	9:01:43.78			-0.60
			Sg	01:55.02			-3.40*
MORH	111.7	211	Pg	9:01:46.41			0.07
			Sg	02:00.68			-1.22
PKSM	112.2	211	Pg	9:01:46.27			-0.16
			Sg	02:01.33			-0.73
KOVH	148.2	222	Pn	9:01:52.16			0.26

1774.

2024-12-04 time: 9:21:52.87 UTC ML= 1.7  
 lat: 48.585N lon: 20.782E h= 0.0 km  
 erh= 2.5km erz= 6.1km  
 nr= 14 gap= 88 rms=0.93  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.6	243	Pg	9:21:56.78			-0.49
			Sg	22:00.56			-0.13
ABAH	46.7	133	Pg	9:22:02.18			0.97
			Sg	22:07.77			0.06
STHS	98.5	20	Pg	9:22:10.92			0.45
			Sg	22:22.35			-1.84
NIE	98.9	340	Sg	9:22:24.15			-0.16
PSZ	99.1	222	Pg	9:22:11.28			0.70
			Sg	22:22.17			-2.22
LANS	115.1	303	Sg	9:22:29.65			0.19
KOLS	116.3	71	Pg	9:22:14.43			0.79
			Sg	22:28.75			-1.10
TRPA	139.7	111	Pn	9:22:17.76			0.43
			Sn	22:33.70			-2.70

1775.

2024-12-04 time: 9:22:54.20 UTC ML= 1.9  
 lat: 47.093N lon: 19.328E h= 0.0 km  
 erh= 3.8km erz= 5.7km  
 nr= 13 gap=183 rms=0.61  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	13.7	248	PgU	9:22:57.15			0.50
			Sg	22:58.37			-0.19
PKB5	71.5	219	Pg	9:23:08.27			1.30
PENC	77.6	357	Pg	9:23:08.63			0.57
PKB4	86.4	220	Pg	9:23:09.58			-0.05
PKS9	97.9	235	Pg	9:23:11.53			-0.15
PSZ	101.2	25	Pg	9:23:11.34			-0.93
MORH	110.7	208	Pg	9:23:13.91			-0.06
			Sg	23:28.49			-0.90
PKSM	111.2	208	Pg	9:23:14.04			-0.02
			Sg	23:28.09			-1.46
S9BD	113.0	209	Pg	9:23:14.14			-0.24
KOVH	146.1	220	Pn	9:23:19.77			0.32



## Földrengés paraméterek

## Hypocenter Parameters

1776.

2024-12-04 time: 9:49:03.39 UTC ML= 2.0  
 lat: 47.140N lon: 19.303E h= 0.0 km  
 erh= 6.0km erz= \*\*\*km  
 nr= 14 gap=179 rms=1.16  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	14.9	226	PgU	9:49:06.66		0.60	
			Sg	49:08.36		0.21	
PKB1	55.5	225	Pg	9:49:13.01		-0.29	
PENC	72.3	359	Pg	9:49:18.14		1.83	
PKB5	74.5	216	Pg	9:49:17.91		1.22	
			Sg	49:27.73		0.67	
CSKK	82.8	287	Sg	9:49:27.44		-2.26	
PKB4	89.3	217	Pg	9:49:19.81		0.47	
PSZ	97.3	27	Pg	9:49:20.89		0.12	
			Sg	49:31.38		-2.95	
MORH	114.5	206	Pg	9:49:23.50		-0.33	
			Sg	49:37.64		-2.13	
PKSM	114.9	206	Pg	9:49:23.54		-0.38	
			Sg	49:38.09		-1.84	

1777.

2024-12-04 time: 12:24:57.19 UTC ML= 1.5  
 lat: 47.617N lon: 18.460E h= 0.0 km  
 erh= 7.2km erz= 7.1km  
 nr= 8 gap=214 rms=0.89  
 Locality: Vértestolna  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	25.6	192	Pg	12:25:02.74		0.97	
			Sg	25:04.81		-0.52	
CSKK	32.0	208	Pg	12:25:03.60		0.69	
			Sg	25:07.38		0.01	
PBUD	44.9	112	Sg	12:25:11.86		0.39	
PKST	51.2	219	Sg	12:25:11.93		-1.53	
PSZ	112.6	73	Sg	12:25:32.03		-0.97	
PKSM	156.9	175	Sn	12:25:43.11		-1.42	

1778.

2024-12-04 time: 19:15:37.10 UTC ML= 1.0  
 lat: 45.937N lon: 22.104E h= 21.9 km  
 erh= 4.6km erz= 5.9km  
 nr= 8 gap=159 rms=0.54  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	20.4	176	PgU	19:15:42.57		0.20	
			Sg	15:45.95		-0.53	
BZS	52.0	227	Pg	19:15:47.03		0.13	
			Sg	15:53.88		-0.66	
DEV	62.3	95	Sg	19:15:57.07		-0.24	
GZR	80.0	139	Sg	19:16:02.84		0.74	
DRGR	105.9	26	Pn	19:15:55.09		0.48	
			Sn	16:06.83		-1.43	

1779.

2024-12-04 time: 23:07:17.99 UTC ML= 1.4  
 lat: 45.994N lon: 22.074E h= 7.3 km  
 erh= 3.6km erz= 5.6km  
 nr= 10 gap=169 rms=0.74  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	26.9	172	PgU	23:07:23.87		0.90	
			Sg	07:27.40		0.55	
BZS	55.0	220	Pg	23:07:28.08		0.19	
			Sg	07:34.45		-1.16	
DEV	65.5	101	Pg	23:07:29.72		-0.03	
GZR	86.3	141	Pg	23:07:33.52		0.07	
			Sg	07:43.94		-1.57	
DRGR	101.3	29	Pg	23:07:36.45		0.32	
			Sg	07:48.34		-1.94	
CJR	142.0	56	Sn	23:08:00.61		0.24	

1780.

2024-12-05 time: 8:30:26.90 UTC ML= 1.4  
 lat: 48.464N lon: 21.465E h= 0.0 km  
 erh= 2.7km erz= 8.4km  
 nr= 10 gap=107 rms=0.87  
 Locality: Bózsza  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	25.0	222	Pg	8:30:32.11		0.74	
			Sg	30:35.12		0.26	
KECS	72.4	272	Sg	8:30:49.27		-0.65	
KOLS	79.1	49	Pg	8:30:41.52		0.49	
			Sg	30:51.10		-0.95	
TRPA	87.9	115	Sg	8:30:53.65		-1.19	
STZU	105.0	54	Pg	8:30:46.62		0.97	
			Sg	30:59.95		-0.32	
STHS	107.2	351	Sg	8:31:00.33		-0.64	
PSZ	131.6	243	Sn	8:31:05.72		-2.90	

1781.

2024-12-05 time: 8:39:07.64 UTC ML= 1.5  
 lat: 48.736N lon: 20.794E h= 0.0 km  
 erh= 7.0km erz= \*\*\*km  
 nr= 6 gap=171 rms=1.09  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	36.2	219	Pg	8:39:15.07		0.97	
			Sg	39:18.45		-0.69	
ABAH	59.0	146	Pg	8:39:19.36		1.18	
			Sg	39:25.39		-1.01	
NIE	83.6	335	Sg	8:39:33.02		-1.21	
PSZ	112.8	216	Sg	8:39:42.09		-1.40	

1782.

2024-12-05 time: 9:20:52.28 UTC ML= 1.8  
 lat: 47.333N lon: 18.408E h= 0.0 km  
 erh= 1.8km erz= 4.3km  
 nr= 13 gap= 90 rms=0.63  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	6.6	349	Pg	9:20:53.68		0.22	
			Sg	20:53.99		-0.40	
CSKK	11.6	287	PgU	9:20:54.95		0.60	
			Sg	20:55.51		-0.46	
PKST	29.4	254	Pg	9:20:58.36		0.82	
			Sg	21:01.38		-0.26	
MPLH	68.2	255	Sg	9:21:12.68		-1.28	
PKB3	117.6	149	Sg	9:21:30.31		0.65	
MORH	125.5	172	Sg	9:21:31.70		-0.49	
PKSM	126.0	172	Sg	9:21:31.97		-0.35	
PSZ	129.3	60	Pg	9:21:15.36		-0.01	
			Sg	21:31.30		-2.08	
KOVH	140.4	190	Sn	9:21:35.81		-0.15	

## Hypocenter Parameters

## Földrengés paraméterek

1783.  


---

 2024-12-05 time: 10:00:21.80 UTC ML= 0.7  
 lat: 47.287N lon: 18.217E h= 0.0 km  
 erh= 4.3km erz= 497km  
 nr= 6 gap=209 rms=0.31  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	9.1	21	Pg	10:00:23.64			0.21
			Sg	00:24.99			0.30
PKST	14.2	257	Pg	10:00:24.36			0.02
			Sg	00:25.85			-0.46
PKSG	17.6	48	Pg	10:00:25.04			0.10
			Sg	00:26.61			-0.77

1784.  


---

 2024-12-05 time: 10:04:41.96 UTC ML= 2.0  
 lat: 48.434N lon: 17.248E h= 0.0 km  
 erh= 2.0km erz= 3.3km  
 nr= 20 gap=115 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	16.0	56	Pg	10:04:45.19			0.37
			Sg	04:46.97			-0.09
ZST	28.5	202	Pg	10:04:47.02			-0.04
			Sg	04:50.17			-0.86
JAVC	56.6	33	Pg	10:04:53.20			1.13
			Sg	04:58.29			-1.67
KRUC	93.9	318	Pg	10:04:59.30			0.57
			Sg	05:10.76			-1.05
SOP	98.0	212	Pg	10:05:00.07			0.61
			Sg	05:12.72			-0.39
RONA	108.1	221	Pg	10:05:01.76			0.49
			Sg	05:16.21			-0.12
VRAC	108.5	334	Pg	10:05:01.72			0.39
			Sg	05:14.96			-1.48
CONA	117.4	241	Pg	10:05:02.95			0.02
			Sg	05:18.77			-0.52
MPLH	142.2	171	Sn	10:05:23.40			-2.63
MORC	150.9	8	Pn	10:05:07.83			0.02
			Sn	05:25.55			-2.42
ARSA	184.3	224	Sn	10:05:35.77			0.38

1785.  


---

 2024-12-05 time: 10:17:31.41 UTC ML= 1.7  
 lat: 47.319N lon: 18.434E h= 0.0 km  
 erh= 4.2km erz= 912km  
 nr= 6 gap=195 rms=0.55  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.7	338	PgU	10:17:33.29			0.32
			Sg	17:33.68			-0.50
CSKK	14.0	290	PgU	10:17:34.55			0.64
			Sg	17:35.23			-0.64
PKST	31.0	257	Sg	10:17:41.24			-0.03
PKSM	124.1	173	Sg	10:18:09.92			-0.95

1786.  


---

 2024-12-05 time: 10:34:39.06 UTC ML= 1.7  
 lat: 46.749N lon: 22.812E h= 0.0 km  
 erh= 3.3km erz= 2.7km  
 nr= 7 gap=239 rms=0.33  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	9.0	302	Pg	10:34:40.39			-0.28
			Sg	34:42.49			0.56
SURR	122.6	206	Sg	10:35:17.65			-0.40
GZR	150.7	181	Pn	10:35:05.13			0.24
			Sn	35:25.50			0.47
BZS	156.1	216	Pn	10:35:05.50			-0.06
			Sn	35:25.96			-0.26

1787.  


---

 2024-12-05 time: 12:53:30.14 UTC ML= 1.6  
 lat: 46.369N lon: 22.991E h= 10.0 km  
 erh= 6.1km erz= 5.7km  
 nr= 9 gap=138 rms=1.04  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DRGR	51.6	335	PgU	12:53:40.48			0.96
			Sg	53:45.86			-0.99
CJR	60.2	51	Sg	12:53:48.51			-1.04
SURR	95.8	224	Pg	12:53:47.44			0.10
			Sg	53:59.14			-1.61
GZR	109.8	189	Pn	12:53:49.81			0.23
			Sn	54:03.42			-1.32
BZS	135.4	232	Pn	12:53:54.45			1.67
			Sn	54:09.60			-0.84

1788.  


---

 2024-12-05 time: 14:13:54.05 UTC ML= 1.6  
 lat: 47.559N lon: 22.661E h= 7.1 km  
 erh= 3.4km erz= 4.0km  
 nr= 8 gap=186 rms=0.43  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CEIR	18.8	319	Pg	14:13:57.67			0.03
			Sg	14:00.55			0.11
LTVH	60.5	251	Pg	14:14:04.88			-0.05
TRPA	64.2	352	Pg	14:14:05.85			0.27
			Sg	14:13.55			-1.02
DRGR	85.4	177	Pg	14:14:09.80			0.44
			Sg	14:20.38			-0.91
SURR	204.8	192	Sn	14:14:50.46			0.04

1789.  


---

 2024-12-05 time: 15:18:29.95 UTC ML= 0.3  
 lat: 45.611N lon: 21.854E h= 10.0 km  
 erh= 2.6km erz= 5.0km  
 nr= 6 gap=164 rms=0.26  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	18.5	272	Pg	15:18:34.02			0.30
			Sg	18:36.58			-0.07
SURR	26.4	53	Pg	15:18:35.25			0.25
			Sg	18:38.75			-0.18
TIM	51.3	286	Pg	15:18:39.01			-0.28
GZR	76.0	109	Sg	15:18:54.04			-0.29

1790.  


---

 2024-12-05 time: 20:17:05.60 UTC ML= 2.0  
 lat: 47.952N lon: 19.487E h= 7.5 km  
 erh= 2.1km erz= 1.8km  
 nr= 29 gap= 68 rms=0.83  
 Locality: Herencsény  
 Comments:

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PENC	23.6	221	Pg	20:17:10.18	0.16
			Sg	17:13.66	0.19
PSZ	30.7	97	Pg	20:17:11.29	0.05
			Sg	17:15.45	-0.20
SF5A	47.3	189	Pg	20:17:14.38	0.23
			Sg	17:20.95	0.14
PBUD	64.7	213	Pg	20:17:17.30	0.06
BSZH	93.3	141	Pg	20:17:22.78	0.47
			Sg	17:35.46	0.12
KECS	94.9	51	Pg	20:17:21.98	-0.62
			Sg	17:33.64	-2.22
PKSG	103.2	233	Pg	20:17:23.64	-0.44
			Sg	17:36.70	-1.79
PKS7	103.5	194	Pg	20:17:24.28	0.15
			Sg	17:37.96	-0.62
CSKK	113.0	235	Pn	20:17:25.59	-0.18
			Sn	17:39.53	-1.97
PKSN	120.7	166	Sn	20:17:41.88	-1.33
LANS	133.3	359	Sn	20:17:44.23	-1.78
PKST	133.6	235	Pn	20:17:29.42	1.08
			Sn	17:46.46	0.38
ABAH	136.0	74	Pn	20:17:29.79	1.15
PKB1	140.0	202	Pn	20:17:29.88	0.74
			Sn	17:46.50	-0.99
PKB2	143.2	187	Sn	20:17:48.78	0.57
ZBNS	145.5	335	Sn	20:17:48.10	-0.61
JAVC	168.1	307	Sn	20:17:54.54	0.80
MPLH	170.4	239	Pn	20:17:35.27	2.35
NIE	174.1	20	Sn	20:17:56.09	1.02

1791.

2024-12-05 time: 20:29:01.32 UTC ML= 1.2  
 lat: 48.066N lon: 19.448E h= 2.5 km  
 erh= 5.6km erz=83.2km  
 nr= 8 gap=167 rms=0.90  
 Locality: Csitár  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	33.1	202	Pg	20:29:07.75	0.51
			Sg	29:11.79	-0.08
PSZ	37.1	116	Pg	20:29:08.57	0.61
			Sg	29:13.03	-0.12
SRO	89.4	252	Sg	20:29:28.13	-1.60
KECS	89.9	59	Sg	20:29:28.58	-1.32
BSZH	105.1	144	Sg	20:29:33.45	-1.28
CSKK	118.6	229	Pg	20:29:23.50	1.00

1792.

2024-12-05 time: 23:17:22.71 UTC ML= 1.5  
 lat: 45.933N lon: 22.036E h= 22.5 km  
 erh= 6.7km erz= 8.8km  
 nr= 9 gap=138 rms=0.87  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	21.1	161	PgU	23:17:28.25	0.14
			Sg	17:31.58	-0.75
BZS	48.0	223	Pg	23:17:33.06	1.15
			Sg	17:38.18	-0.90
TIM	67.0	251	Sg	23:17:42.72	-1.49
GZR	83.3	136	Pg	23:17:38.20	0.94
			Sg	17:48.38	-0.23
DRGR	108.7	29	PnU	23:17:40.57	0.05
			Sn	17:52.99	-1.43

1793.

2024-12-06 time: 0:21:08.10 UTC ML= 1.4  
 lat: 45.959N lon: 22.036E h= 22.5 km  
 erh= 4.1km erz= 4.6km  
 nr= 10 gap=141 rms=0.70  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	23.8	163	PgU	0:21:13.67	-0.17
			Sg	21:17.15	-1.17
BZS	50.1	221	Pg	0:21:17.85	0.23
			Sg	21:24.54	-0.51
TIM	68.0	249	Sg	0:21:29.59	-0.28
GZR	85.3	137	Pg	0:21:24.28	1.31
			Sg	21:33.75	-0.81
BANR	95.0	228	Sn	0:21:37.20	0.42
DRGR	106.1	29	Pn	0:21:26.00	0.40
			Sn	21:38.28	-0.96

1794.

2024-12-06 time: 8:27:57.05 UTC ML= 1.5  
 lat: 48.158N lon: 21.366E h= 0.0 km  
 erh= 4.6km erz= \*\*\*km  
 nr= 9 gap=164 rms=1.02  
 Locality: Bodrogkeresztúr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	18.0	329	Pg	8:28:01.38	1.12
			Sg	28:03.39	0.63
KECS	74.6	299	Pg	8:28:11.65	1.27
			Sg	28:18.73	-2.04
TRPA	87.4	92	Pg	8:28:12.24	-0.41
			Sg	28:24.20	-0.62
KOLS	109.2	38	Sg	8:28:30.23	-1.52
PSZ	112.9	256	Pg	8:28:17.34	0.12
			Sg	28:31.95	-0.99

1795.

2024-12-06 time: 9:55:33.42 UTC ML= 1.4  
 lat: 48.161N lon: 22.456E h= 10.0 km  
 erh= 5.5km erz= 3.2km  
 nr= 6 gap=141 rms=0.59  
 Locality: Csaroda  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	7.0	119	PgD	9:55:35.07	-0.53
			Sg	55:37.69	0.39
UZH	53.6	347	Sg	9:55:50.64	-0.12
LTVH	95.8	206	Sg	9:56:03.93	-0.11
DRGR	153.5	173	Pn	9:55:59.36	1.05
			Sn	56:17.08	-0.64

1796.

2024-12-06 time: 10:07:09.22 UTC ML= 1.7  
 lat: 48.804N lon: 21.119E h= 0.0 km  
 erh= 3.0km erz= 5.8km  
 nr= 13 gap= 73 rms=1.05  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	57.2	171	Pg	10:07:20.75	1.31
			Sg	07:27.59	0.18
KECS	58.8	233	Pg	10:07:20.29	0.57
			Sg	07:27.59	-0.31
STHS	68.7	8	Pg	10:07:22.66	1.17
			Sg	07:30.70	-0.36

## Hypocenter Parameters

## Földrengés paraméterek

KOLS 85.9 80 Sg 10:07:35.45 -1.08  
 NIE 90.2 319 Sg 10:07:36.63 -1.25  
 LANS 126.9 288 Sg 10:07:47.59 -1.95  
 TRPA 129.0 126 Pg 10:07:31.98 -0.29  
 Sg 07:46.04 -4.20  
 PSZ 133.9 223 Pn 10:07:33.44 0.48  
 Sn 07:50.05 -1.42

PKB3 79.4 183 Pg 14:07:46.15 0.80  
 PKB4 86.8 215 Pg 14:07:47.33 0.64  
 PKS9 96.3 231 Pg 14:07:48.09 -0.29  
 PSZ 99.3 29 Pg 14:07:48.28 -0.64  
 Sg 07:58.77 -3.98\*  
 MORH 112.5 205 Pg 14:07:50.88 -0.40  
 Sg 08:04.99 -1.96  
 PKSM 113.0 205 Pg 14:07:50.78 -0.59  
 Sg 08:05.06 -2.05  
 S9BD 114.7 206 Pg 14:07:50.88 -0.78  
 KOVH 146.4 217 Pn 14:07:56.11 -0.35

1797.

2024-12-06 time: 11:52:47.11 UTC ML= 1.5  
 lat: 47.311N lon: 18.317E h= 0.0 km  
 erh= 2.3km erz= 883km  
 nr= 11 gap=137 rms=0.70  
 Locality: Sóréd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	7.2	324	PgU	11:52:48.41	0.01
			Sg	52:49.23	-0.17
PKSG	10.6	32	PgU	11:52:48.96	-0.04
			Sg	52:49.87	-0.60
PKST	22.1	255	Pg	11:52:51.54	0.47
			Sg	52:54.30	0.15
MPLH	60.9	255	Sg	11:53:05.62	-0.85
			Pg	11:53:10.30	1.00
MORH	124.3	168	Pg	53:25.03	-1.58
			Sg	53:25.03	-1.58
PKSM	124.7	169	Pg	11:53:09.94	0.57
			Sg	53:24.93	-1.81

1798.

2024-12-06 time: 13:55:07.81 UTC ML= 2.1  
 lat: 47.134N lon: 19.322E h= 0.0 km  
 erh= 6.5km erz= 8.5km  
 nr= 16 gap=161 rms=1.10  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.5	232	PgU	13:55:11.13	0.54
			Sg	55:12.68	-0.07
PKB1	56.0	226	Pg	13:55:18.34	0.53
PENC	73.1	358	Pg	13:55:22.63	1.77
PKB5	74.7	217	Pg	13:55:22.08	0.92
PKB3	79.5	187	Pg	13:55:23.38	1.37
PKB4	89.6	218	Pg	13:55:24.46	0.65
			Sg	55:36.15	-2.60
PSZ	97.3	26	Pg	13:55:25.37	0.18
PKS9	100.1	233	Pg	55:25.46	-0.23
			Sg	55:42.65	-1.54
MORH	114.4	207	Pg	13:55:27.67	-0.58
			Sg	55:42.65	-1.54
PKSM	114.9	207	Pg	13:55:28.01	-0.33
			Sg	55:41.71	-2.64
S9BD	116.7	208	Pg	13:55:28.36	-0.29
KOVH	149.2	219	Pn	13:55:31.49	-1.96

1799.

2024-12-06 time: 14:07:31.18 UTC ML= 2.1  
 lat: 47.137N lon: 19.256E h= 0.0 km  
 erh= 3.4km erz= 7.6km  
 nr= 19 gap=154 rms=0.84  
 Locality: Kunpeszér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	12.3	216	Pg	14:07:33.88	0.51
			Sg	07:35.84	0.76
PKB1	52.7	222	Pg	14:07:40.37	-0.22
PKSG	71.4	293	Pg	14:07:44.47	0.55
			Sg	07:52.66	-1.20
PKB5	72.1	213	Pg	14:07:44.94	0.89
			Sg	07:55.17	1.07
PENC	72.7	2	Pg	14:07:45.32	1.15

1800.

2024-12-06 time: 15:52:22.97 UTC ML= 0.8  
 lat: 48.140N lon: 22.653E h= 15.6 km  
 erh= 0.5km erz= 0.2km  
 nr= 5 gap=163 rms=0.05  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	8.5	262	Pg	15:52:26.10	-0.06
			Sg	52:28.70	0.06
BRIU	35.0	51	Sg	15:52:35.16	0.00
KOLS	92.5	342	S*	15:52:52.08	0.00
LTVH	101.2	214	Sn	15:52:54.45	0.06

1801.

2024-12-06 time: 21:46:33.21 UTC ML= 1.0  
 lat: 47.781N lon: 16.065E h= 10.2 km  
 erh= 1.8km erz= 1.7km  
 nr= 15 gap=102 rms=0.59  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	19.6	118	PgU	21:46:37.28	0.13
			Sg	46:39.91	-0.31
CONA	22.4	317	Pg	21:46:38.18	0.58
			Sg	46:40.70	-0.32
WINA	36.3	1	Pg	21:46:39.78	-0.16
			Sg	46:44.52	-0.67
SOP	38.6	106	Pg	21:46:40.70	0.37
			Sg	46:45.43	-0.46
ARSA	71.7	215	Pg	21:46:46.37	0.22
			Sg	46:54.39	-1.85
ABNA	109.5	335	Pn	21:46:52.51	-0.07
			Sn	47:05.26	-2.43
KRUC	144.5	10	Pn	21:46:57.72	0.77
			Sn	47:15.10	-0.36
PERS	146.2	209	Sn	21:47:16.27	0.42

1802.

2024-12-07 time: 0:23:10.65 UTC ML= 1.6  
 lat: 47.419N lon: 18.215E h= 9.9 km  
 erh= 1.4km erz= 0.9km  
 nr= 21 gap= 57 rms=0.51  
 Locality: Pusztavám  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.1	151	PgU	0:23:12.77	-0.06
			Sg	23:14.40	-0.13
PKSG	13.6	103	Pg	0:23:13.23	-0.42
			Sg	23:15.37	-0.63
PKST	22.5	217	PgD	0:23:14.99	-0.04
			Sg	23:18.79	0.34
SRO	44.4	10	Sg	0:23:25.27	0.16
MPLH	58.1	242	Pg	0:23:21.33	0.15
			Sg	23:29.36	-0.03
ZST	120.0	316	Pn	0:23:31.25	-0.13
			Sn	23:46.57	-0.98

## Földrengés paraméterek

## Hypocenter Parameters

PKB3 133.5 146 Sn 0:23:51.26 0.71  
 SMOL 135.1 334 Pn 0:23:34.75 1.49  
 Sn 23:50.25 -0.66  
 MORH 137.8 166 Pn 0:23:33.99 0.39  
 Sn 23:50.72 -0.77  
 PSZ 137.8 66 Pn 0:23:33.92 0.32  
 Sn 23:51.94 0.44  
 PKSM 138.1 166 Pn 0:23:34.18 0.54  
 Sn 23:50.43 -1.15  
 RONA 147.7 282 Sn 0:23:53.24 -0.47

sta dist azm phase hr mn sec res  
 BZS 25.5 197 Pg 9:10:16.57 0.45  
 Sg 10:19.25 -0.42  
 SURR 33.4 106 Pg 9:10:17.60 0.07  
 Sg 10:21.14 -1.04  
 AMBH 95.2 307 Pg 9:10:28.99 0.42  
 Sg 10:40.50 -1.33  
 DRGR 131.2 36 Sn 9:10:53.65 0.61

1803.

2024-12-07 time: 0:24:09.38 UTC ML=-0.1  
 lat: 47.441N lon: 18.223E h= 11.5 km  
 erh= 3.2km erz= 2.5km  
 nr= 5 gap=258 rms=0.24  
 Locality: Pusztavám  
 Comments:

sta dist azm phase hr mn sec res  
 CSKK 9.1 162 Pg 0:24:11.80 -0.20  
 Sg 24:13.72 -0.32  
 PKSG 13.8 114 Pg 0:24:12.62 0.04  
 Sg 24:15.41 0.33  
 PKST 24.8 215 Sg 0:24:18.42 0.35

1804.

2024-12-07 time: 2:37:35.32 UTC ML=-0.2  
 lat: 47.443N lon: 18.227E h= 10.2 km  
 erh= 5.1km erz= 4.5km  
 nr= 5 gap=259 rms=0.16  
 Locality: Pusztavám  
 Comments:

sta dist azm phase hr mn sec res  
 CSKK 9.3 164 Pg 2:37:37.71 -0.07  
 Sg 37:39.40 -0.30  
 PKSG 13.6 115 Pg 2:37:38.36 0.00  
 Sg 37:40.94 0.21  
 PKST 25.1 215 Sg 2:37:44.13 0.19

1805.

2024-12-07 time: 5:53:10.33 UTC ML= 1.6  
 lat: 45.936N lon: 16.038E h= 10.0 km  
 erh= 3.0km erz= 2.5km  
 nr= 10 gap=175 rms=0.47  
 Locality: Croatia  
 Comments:

sta dist azm phase hr mn sec res  
 PTJ 7.4 237 Pg 5:53:12.47 -0.08  
 Sg 53:13.48 -0.81  
 R971 11.1 191 Pg 5:53:13.06 0.06  
 Sg 53:14.73 -0.36  
 ZAG 12.4 196 Pg 5:53:13.48 0.31  
 Sg 53:15.18 -0.21  
 CRES 46.8 255 Pg 5:53:19.81 0.94  
 Sg 53:25.13 -0.40  
 KOGS 59.2 16 Sg 5:53:29.57 0.14  
 SOKA 113.2 317 Sn 5:53:45.04 -0.65

1806.

2024-12-07 time: 9:10:11.56 UTC ML= 1.2  
 lat: 45.836N lon: 21.711E h= 0.7 km  
 erh= 3.3km erz= 6.0km  
 nr= 7 gap=110 rms=0.62  
 Locality: Romania  
 Comments:

2024-12-07 time: 18:43:17.79 UTC ML= 0.2  
 lat: 47.457N lon: 18.224E h= 0.9 km  
 erh= 1.3km erz=22.3km  
 nr= 5 gap=204 rms=0.12  
 Locality: Bokod  
 Comments:

sta dist azm phase hr mn sec res  
 CSKK 10.8 165 Pg 18:43:19.72 -0.01  
 Sg 43:21.17 -0.08  
 PKSG 14.5 120 Pg 18:43:20.56 0.16  
 Sg 43:22.19 -0.23  
 SRO 40.2 10 Sg 18:43:30.55 -0.01

1808.

2024-12-07 time: 22:04:24.87 UTC ML= 1.5  
 lat: 46.093N lon: 21.363E h= 11.5 km  
 erh= 2.4km erz= 2.6km  
 nr= 12 gap=105 rms=0.53  
 Locality: Romania  
 Comments:

sta dist azm phase hr mn sec res  
 TIM 41.1 196 Pg 22:04:33.07 0.58  
 BZS 56.5 160 PgU 22:04:34.85 -0.31  
 Sg 04:44.16 0.97  
 AMBH 56.9 300 Pg 22:04:35.35 0.12  
 Sg 04:42.52 -0.79  
 SURR 70.1 123 Pg 22:04:37.27 -0.28  
 Sg 04:46.88 -0.56  
 BANR 80.9 193 Sg 22:04:50.35 -0.50  
 DRGR 129.5 53 Pn 22:04:46.88 0.30  
 Sn 05:01.69 -1.83  
 GZR 134.7 125 Sn 22:05:05.10 0.42  
 LTVH 149.4 16 Sn 22:05:08.45 0.52

1809.

2024-12-08 time: 3:46:49.05 UTC ML= 1.8  
 lat: 46.056N lon: 21.432E h= 5.5 km  
 erh= 2.0km erz= 2.2km  
 nr= 24 gap= 66 rms=0.81  
 Locality: Romania  
 Comments:

sta dist azm phase hr mn sec res  
 TIM 39.1 205 Pg 3:46:56.33 0.23  
 Sg 47:01.91 0.31  
 BZS 50.9 164 PgU 3:46:58.49 0.30  
 Sg 47:05.06 -0.26  
 SURR 63.4 122 Pg 3:47:00.89 0.48  
 Sg 47:08.89 -0.38  
 AMBH 63.5 301 Pg 3:47:00.68 0.24  
 Sg 47:07.98 -1.35  
 JIMR 64.3 242 Pg 3:47:00.74 0.17  
 BANR 78.3 197 Pg 3:47:03.12 0.05  
 Sg 47:12.84 -1.17  
 DEV 115.7 100 Sg 3:47:24.39 -1.47  
 DRGR 127.9 50 Pn 3:47:11.27 -0.06  
 Sn 47:27.43 -1.28  
 GZR 128.0 125 Pn 3:47:11.78 0.44  
 Sn 47:27.08 -1.65  
 LTVH 152.0 14 Sn 3:47:34.92 0.86

## Hypocenter Parameters

## Földrengés paraméterek

PKSN 152.2 308 Sn 3:47:32.91 -1.20  
 PKS6 156.0 293 Sn 3:47:35.42 0.48  
 PKB3 177.3 283 Sn 3:47:39.13 -0.55  
 PKS2 177.8 286 Sn 3:47:41.15 1.38  
 CJR 182.0 66 Pn 3:47:20.90 2.83  
 Sn 47:43.94 3.23  
 MORH 216.2 275 Sn 3:47:49.61 1.32

1810.

2024-12-09 time: 8:03:21.21 UTC ML= 1.6  
 lat: 47.282N lon: 18.347E h= 0.0 km  
 erh= 1.5km erz= 3.4km  
 nr= 12 gap=100 rms=0.49  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.1	324	PgU	8:03:23.08	-0.12
			Sg	03:24.34	-0.41
PKSG	12.6	15	Pg	8:03:23.75	0.29
			Sg	03:25.29	0.08
PKST	23.8	264	Pg	8:03:25.52	0.05
			Sg	03:28.67	-0.12
PKB5	81.9	159	Sg	8:03:47.27	0.02
MORH	120.7	169	Pg	8:03:43.02	0.26
			Sg	03:58.77	-0.81
PKSM	121.1	169	Pg	8:03:43.66	0.83
			Sg	03:57.81	-1.89
PSZ	136.1	59	Sn	8:04:02.97	-0.97

1811.

2024-12-09 time: 10:05:37.76 UTC ML= 2.0  
 lat: 48.411N lon: 17.282E h= 0.0 km  
 erh= 2.2km erz= 637km  
 nr= 11 gap=165 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	15.7	44	Pg	10:05:40.65	0.09
			Sg	05:43.57	0.82
ZST	27.4	209	Pg	10:05:42.39	-0.26
			Sg	05:45.67	-0.80
JAVC	57.4	30	Pg	10:05:47.67	-0.34
			Sg	05:55.07	-0.94
KRUC	97.4	318	Pg	10:05:54.98	-0.17
			Sg	06:08.49	-0.22
RONA	108.0	223	Pg	10:05:57.91	0.87
			Sg	06:12.05	-0.04
VRAC	111.8	333	Pg	10:05:58.22	0.50

1812.

2024-12-09 time: 10:24:21.03 UTC ML= 1.4  
 lat: 48.579N lon: 20.803E h= 0.0 km  
 erh= 2.2km erz= 677km  
 nr= 8 gap=153 rms=0.48  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.7	246	Pg	10:24:25.91	0.29
			Sg	24:29.15	-0.06
STHS	98.6	19	Sg	10:24:51.97	-0.39
PSZ	99.7	223	Pg	10:24:39.28	0.44
			Sg	24:51.06	-1.67
NIE	100.0	339	Sg	10:24:53.07	0.25
KOLS	115.1	70	Sg	10:24:57.45	-0.15
LANS	116.8	303	Sg	10:24:57.73	-0.41

1813.

2024-12-09 time: 11:00:38.80 UTC ML= 1.9  
 lat: 48.107N lon: 16.916E h= 0.0 km  
 erh= 3.1km erz= 6.7km  
 nr= 13 gap= 87 rms=1.00  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.0	54	Pg	11:00:42.51	0.66
			Sg	00:44.59	0.37
SMOL	59.1	40	Pg	11:00:49.63	0.28
			Sg	00:56.91	-0.67
RONA	64.8	226	Pg	11:00:51.34	0.96
			Sg	00:58.60	-0.81
CONA	81.1	256	Pg	11:00:54.08	0.79
			Sg	01:03.12	-1.48
JAVC	100.5	34	Pg	11:00:57.41	0.66
KRUC	112.9	340	Pg	11:00:59.33	0.36
			Sg	01:13.07	-1.62
PKST	126.3	138	Sg	11:01:16.70	-2.24
VRAC	135.7	350	Sn	11:01:19.21	-2.23

1814.

2024-12-09 time: 12:07:01.73 UTC ML= 1.5  
 lat: 47.930N lon: 20.160E h= 0.0 km  
 erh= 6.7km erz= 944km  
 nr= 5 gap=194 rms=0.65  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.9	266	PgU	12:07:05.54	0.26
			Sg	07:08.19	0.14
KECS	66.1	21	Sg	12:07:21.61	-1.13
PENC	67.5	257	Sg	12:07:22.25	-0.95
ABAH	90.1	63	Pg	12:07:18.45	0.63

1815.

2024-12-09 time: 12:34:45.11 UTC ML= 2.4  
 lat: 45.560N lon: 16.446E h= 12.4 km  
 erh= 4.9km erz= 3.7km  
 nr= 20 gap=144 rms=1.15  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	46.2	310	Sg	12:35:00.58	0.27
PTJ	53.6	315	Pg	12:34:54.54	-0.39
			Sg	35:02.31	-0.28
CRES	82.5	291	Pg	12:35:00.30	0.29
			Sg	35:10.26	-1.38
KOGS	99.9	351	P*	12:35:03.67	0.78
			S*	35:15.54	-1.22
BEHE	104.3	14	Pn	12:35:04.04	0.47
			Sn	35:16.28	-1.68
BLY	107.2	147	Sn	12:35:17.03	-1.57
GROS	124.0	324	Pn	12:35:06.42	0.40
			Sn	35:20.84	-1.49
KOVH	141.3	65	Sn	12:35:24.59	-1.58
PKSV	145.3	75	Sn	12:35:28.63	1.58
PERS	157.7	319	Pn	12:35:13.90	3.68
			Sn	35:28.14	-1.67
SOKA	165.5	319	Pn	12:35:13.00	1.81
			Sn	35:31.26	-0.27
PKSM	185.2	67	Pn	12:35:14.33	0.68
			Sn	35:36.13	0.22

## Földrengés paraméterek

## Hypocenter Parameters

1816.

2024-12-09 time: 13:18:11.45 UTC ML= 1.4  
 lat: 47.820N lon: 16.013E h= 0.0 km  
 erh= 1.8km erz= 2.3km  
 nr= 9 gap=108 rms=1.39  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.6	317	Pg	13:18:15.57	1.17
			Sg	18:18.83	2.12
RONA	25.1	122	Pg	13:18:17.00	1.07
			Sg	18:20.84	1.42
ARSA	73.3	210	Sg	13:18:32.68	-2.06
KRUC	141.0	12	Pn	13:18:35.08	-0.98
			Sn	18:52.95	-2.30
VRAC	171.0	15	Pn	13:18:39.69	-0.11
			Sn	19:00.21	-1.70

1817.

2024-12-09 time: 16:09:56.34 UTC ML= 1.7  
 lat: 47.090N lon: 19.344E h= 0.0 km  
 erh= 5.1km erz= 908km  
 nr= 10 gap=185 rms=0.74  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	14.7	251	Pg	16:09:59.15	0.18
			Sg	10:00.73	-0.29
PKB1	54.1	231	Pg	16:10:06.84	0.84
PKB5	72.0	220	Pg	16:10:10.17	0.97
PENC	78.0	357	Pg	16:10:10.67	0.40
PSZ	101.0	24	Pg	16:10:13.46	-0.91
MORH	111.0	209	Pg	16:10:16.06	-0.10
			Sg	10:30.26	-1.36
PKSM	111.5	209	Pg	16:10:16.19	-0.06
			Sg	10:30.12	-1.66

1818.

2024-12-09 time: 16:32:47.65 UTC ML= 1.8  
 lat: 47.082N lon: 19.390E h= 0.0 km  
 erh= 3.9km erz= 759km  
 nr= 12 gap=188 rms=0.62  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.9	257	PgU	16:32:50.66	-0.18
			Sg	32:52.51	-0.82
PKB1	56.3	234	Pg	16:32:57.66	-0.05
PKB5	73.7	223	Pg	16:33:01.94	1.13
PENC	79.2	354	Pg	16:33:02.31	0.53
PKB4	88.6	223	Pg	16:33:03.88	0.41
PSZ	100.4	22	Pg	16:33:05.00	-0.58
			Sg	33:15.40	-4.16*
MORH	112.0	211	Pg	16:33:07.93	0.28
			Sg	33:22.38	-0.87
PKSM	112.5	211	Pg	16:33:07.64	-0.10
			Sg	33:22.33	-1.07

1819.

2024-12-10 time: 3:58:56.29 UTC ML= 1.8  
 lat: 45.687N lon: 20.003E h= 13.8 km  
 erh= 3.5km erz= 2.9km  
 nr= 10 gap=205 rms=0.50  
 Locality: Serbia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
JIMR	55.5	79	Pg	3:59:06.29	-0.20
AMBH	92.5	37	P*U	3:59:12.81	-0.01
			S*	59:25.54	-0.18
PKB3	103.0	323	Sn	3:59:28.40	-0.13
PKSM	120.6	299	Pn	3:59:17.23	0.63
			Sn	59:31.60	-0.84
MORH	120.6	299	Pn	3:59:17.21	0.61
			Sn	59:31.88	-0.56
BZS	126.1	94	Pn	3:59:17.48	0.20
			Sn	59:32.12	-1.53

1820.

2024-12-10 time: 6:45:01.80 UTC ML= 2.5  
 lat: 46.207N lon: 16.617E h= 8.9 km  
 erh= 1.4km erz= 1.3km  
 nr= 63 gap= 64 rms=0.76  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	31.7	23	PgD	6:45:07.10	-0.58
			Sg	45:11.73	-0.54
KOGS	38.9	314	Pg	6:45:09.02	0.09
			Sg	45:14.59	0.10
PTJ	61.3	236	Pg	6:45:12.49	-0.37
			Sg	45:21.17	-0.32
ZAG	63.9	229	Pg	6:45:14.06	0.74
			Sg	45:22.52	0.20
GOLS	79.7	254	iPg	6:45:15.99	-0.13
GCIS	85.4	244	iPg	6:45:16.97	-0.15
DOBS	88.8	266	iPg	6:45:17.21	-0.53
			iSg	45:30.05	-0.12
GROS	90.4	288	Pg	6:45:17.69	-0.32
			Sg	45:29.63	-1.03
CESS	92.9	254	iPg	6:45:18.98	0.52
			iSg	45:31.42	-0.04
CRÉS	99.3	245	Pg	6:45:19.59	-0.01
			Sg	45:33.00	-0.48
LEGS	104.5	254	iPg	6:45:20.10	-0.42
			iSg	45:34.66	-0.47
KOVH	115.3	97	Pn	6:45:21.31	-0.77
			Sn	45:35.25	-2.65
TIH	124.6	52	Sn	6:45:37.94	-2.01
PERS	124.8	292	Pn	6:45:23.11	-0.15
			Sn	45:39.01	-0.99
ZAVS	125.2	282	iPn	6:45:23.39	0.08
PKS	126.1	263	iPn	6:45:23.30	-0.13
MPLH	128.3	33	Pn	6:45:22.80	-0.89
			Sn	45:39.32	-1.45
PKSV	131.4	106	Pn	6:45:23.58	-0.51
			Sn	45:39.34	-2.13
SOKA	132.5	293	Pn	6:45:25.02	0.80
			Sn	45:42.69	0.98
PKS9	134.7	72	Pn	6:45:24.28	-0.21
			Sn	45:40.67	-1.51
ARSA	143.0	324	Pn	6:45:26.74	1.21
			Sn	45:43.56	-0.48
EGYH	145.2	22	Pn	6:45:25.66	-0.14
			Sn	45:44.64	0.11
S9BD	153.5	90	Pn	6:45:28.58	1.75
			Sn	45:45.66	-0.70
PKSM	156.3	90	Pn	6:45:28.37	1.19
			Sn	45:46.07	-0.91
PKB4	156.3	78	Pn	6:45:27.71	0.52
			Sn	45:46.11	-0.88
MORH	156.5	90	Pn	6:45:28.67	1.46
			Sn	45:46.37	-0.66
PKST	159.5	43	Pn	6:45:27.56	-0.02
			Sn	45:48.88	1.19
OBKA	162.7	282	Pn	6:45:28.25	0.27
			Sn	45:50.90	2.50
RONA	167.8	352	Pn	6:45:30.27	1.66
			Sn	45:49.39	-0.14

## Hypocenter Parameters

## Földrengés paraméterek

BLY 168.0 165 Pn 6:45:29.55 0.91  
 Sn 45:50.60 1.01  
 PKB5 168.6 75 Sn 6:45:49.90 0.18  
 PKB1 178.9 69 Pn 6:45:30.68 0.67  
 Sn 45:52.15 0.14  
 CONA 199.8 343 Pn 6:45:33.68 1.07  
 PKB3 200.1 83 Sn 6:45:58.03 1.33  
 PKS2 202.4 81 Sn 6:46:00.75 3.53\*  
 MOA 255.5 316 Pn 6:45:39.89 0.33  
 Sn 46:08.91 -0.10  
 KBA 268.6 291 Pn 6:45:41.23 0.04

1821.

2024-12-10 time: 9:17:34.71 UTC ML= 1.7  
 lat: 47.960N lon: 20.295E h= 0.0 km  
 erh= 4.6km erz= 4.1km  
 nr= 12 gap=168 rms=1.09  
 Locality: Egerbakta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	30.3	261	Pg	9:17:39.82	-0.30
			Sg	17:44.29	-0.05
KECS	59.9	14	Pg	9:17:45.57	0.17
			Sg	17:54.15	0.41
BSZH	73.4	182	Sg	9:17:56.53	-1.53
PENC	78.1	256	Pg	9:17:51.05	2.38
			Sg	17:59.08	-0.47
LANS	145.8	335	Pn	9:17:59.81	-0.12
			Sn	18:16.16	-3.43
PKSG	156.4	246	Sn	9:18:20.81	-1.13
NIE	162.2	0	Pn	9:18:02.46	0.49
			Sn	18:23.10	-0.14

1822.

2024-12-10 time: 12:03:08.74 UTC ML= 1.6  
 lat: 46.069N lon: 21.817E h= 0.0 km  
 erh= 5.5km erz= \*\*\*km  
 nr= 7 gap=203 rms=0.85  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	42.3	146	Sg	12:03:21.66	-0.53
BZS	52.6	197	Pg	12:03:18.11	-0.02
			Sg	03:24.41	-1.05
DRGR	105.7	41	Pg	12:03:28.61	0.99
			Sg	03:40.93	-1.41
GZR	105.9	135	Pg	12:03:28.52	0.88
			Sg	03:41.66	-0.73

1823.

2024-12-10 time: 15:36:19.84 UTC ML= 2.0  
 lat: 47.088N lon: 19.442E h= 0.0 km  
 erh= 6.6km erz= \*\*\*km  
 nr= 10 gap=192 rms=0.92  
 Locality: Táborfalva  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	21.8	258	Pg	15:36:23.44	-0.30
			Sg	36:24.95	-1.83
PKB5	76.8	225	Pg	15:36:34.72	1.16
			Sg	36:44.51	0.25
PENC	79.1	351	Pg	15:36:34.99	1.02
PSZ	98.5	20	PgU	15:36:37.67	0.24
			Sg	36:48.44	-2.70
PKS9	104.7	238	Pg	15:36:38.46	-0.09
PKSM	115.0	212	Pg	15:36:40.28	-0.11
			Sg	36:55.27	-1.14

1824.

2024-12-10 time: 15:56:00.51 UTC ML= 1.8  
 lat: 47.099N lon: 19.408E h= 0.0 km  
 erh= 6.3km erz= 974km  
 nr= 7 gap=189 rms=0.70  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.6	253	Pg	15:56:03.85	-0.17
			Sg	56:05.59	-1.16
PKB5	76.0	222	Pg	15:56:15.36	1.28
PSZ	98.1	22	Pg	15:56:18.23	0.19
MORH	114.3	211	Pg	15:56:20.80	-0.12
			Sg	56:35.54	-1.30
PKSM	114.8	211	Pg	15:56:21.06	0.05

1825.

2024-12-11 time: 8:08:19.23 UTC ML= 1.6  
 lat: 46.037N lon: 22.806E h= 0.0 km  
 erh= 3.1km erz= 949km  
 nr= 10 gap=161 rms=0.74  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.7	156	Pg	8:08:22.59	0.02
			Sg	08:24.84	-0.33
SURR	61.6	239	Pg	8:08:31.32	1.10
			Sg	08:37.81	-0.99
GZR	71.6	182	Pg	8:08:31.78	-0.24
			Sg	08:41.32	-0.67
DRGR	84.2	355	Pg	8:08:34.93	0.67
			Sg	08:44.56	-1.43
BZS	103.6	243	Pg	8:08:38.31	0.58
			Sg	08:51.13	-1.02

1826.

2024-12-11 time: 8:10:45.16 UTC ML= 1.9  
 lat: 46.081N lon: 22.808E h= 0.0 km  
 erh= 4.1km erz= 8.6km  
 nr= 12 gap=118 rms=1.05  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	23.2	161	Pg	8:10:49.33	0.02
			Sg	10:51.85	-0.69
SURR	64.3	236	Pg	8:10:57.37	0.72
			Sg	11:05.02	-0.58
GZR	76.5	182	Pg	8:10:58.79	-0.04
			Sg	11:08.16	-1.32
DRGR	79.3	355	Pg	8:11:00.41	1.08
			Sg	11:08.38	-1.99
BZS	106.0	241	Pg	8:11:05.00	0.91
			Sg	11:16.87	-1.98
VOIR	188.5	112	Pn	8:11:17.11	1.40
			Sn	11:37.78	-1.75

1827.

2024-12-11 time: 9:22:51.67 UTC ML= 1.6  
 lat: 47.874N lon: 19.121E h= 0.0 km  
 erh= 3.6km erz= 815km  
 nr= 9 gap=186 rms=0.63  
 Locality: Nőtincs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	15.2	128	Pg	9:22:54.99	0.61
			Sg	22:55.99	-0.50



## Földrengés paraméterek

## Hypocenter Parameters

PSZ 58.0 85 Pg 9:23:02.29 0.26  
 Sg 23:09.50 -0.62  
 PKSG 76.7 226 Sg 9:23:15.43 -0.62  
 PKST 106.6 230 Pg 9:23:11.01 0.31  
 Sg 23:24.66 -0.89  
 KECS 122.0 56 Pg 9:23:13.87 0.41  
 Sg 23:27.11 -3.35

1828.

2024-12-11 time: 10:15:00.74 UTC ML= 1.6  
 lat: 48.330N lon: 19.863E h= 0.0 km  
 erh= 2.2km erz= 682km  
 nr= 9 gap=107 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	45.8	177	Pg	10:15:08.90	-0.02
			Sg	15:15.57	0.27
KECS	49.1	70	Pg	10:15:09.62	0.11
			Sg	15:15.97	-0.39
PENC	74.0	216	Sg	10:15:23.00	-1.26
LANS	95.8	342	Pg	10:15:17.78	-0.07
NIE	125.5	15	Pg	10:15:23.67	0.51
			Sg	15:38.22	-2.42
ZBNS	126.7	315	Pg	10:15:23.72	0.35

1829.

2024-12-11 time: 10:47:27.78 UTC ML= 1.5  
 lat: 45.660N lon: 22.091E h= 0.0 km  
 erh= 2.6km erz= 4.3km  
 nr= 8 gap=144 rms=0.63  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	10.8	14	PgU	10:47:30.42	0.71
			Sg	47:30.88	-0.34
BZS	37.3	263	Pg	10:47:35.03	0.59
			Sg	47:38.82	-0.82
GZR	61.2	119	Pg	10:47:38.95	0.24
			Sg	47:46.65	-0.58
DRGR	134.6	21	Pn	10:47:51.43	-0.17
			Sn	48:08.45	-1.73

1830.

2024-12-11 time: 13:09:43.80 UTC ML= 1.4  
 lat: 47.874N lon: 16.065E h= 0.0 km  
 erh= 2.6km erz= 4.1km  
 nr= 9 gap=124 rms=0.82  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.3	292	Pg	13:09:47.45	0.74
			Sg	09:49.25	0.26
RONA	26.0	138	Pg	13:09:48.98	0.53
			Sg	09:52.22	0.15
ARSA	80.5	210	Pg	13:09:58.66	0.50
			Sg	10:07.98	-1.39
KRUC	134.3	10	Pn	13:10:07.35	-0.22
			Sn	10:23.29	-2.83
VRAC	164.2	14	Sn	13:10:31.62	-1.13

1831.

2024-12-11 time: 14:59:13.52 UTC ML= 1.7  
 lat: 48.987N lon: 20.769E h= 0.0 km  
 erh= 3.5km erz= 5.4km  
 nr= 9 gap=117 rms=0.84  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
NIE	58.4	325	Sg	14:59:31.58	-0.50
STHS	58.9	36	Sg	14:59:31.67	-0.59
KECS	59.8	200	Pg	14:59:25.02	0.82
			Sg	59:32.30	-0.24
KOLS	110.3	93	Pg	14:59:33.38	0.16
			Sg	59:47.44	-1.14
PSZ	135.3	209	Pn	14:59:37.25	-0.18
			Sn	59:54.06	-2.02
OJC	154.0	333	Pn	14:59:40.96	1.21

1832.

2024-12-11 time: 15:11:14.26 UTC ML= 2.0  
 lat: 47.090N lon: 19.373E h= 0.0 km  
 erh= 4.2km erz= 704km  
 nr= 10 gap=187 rms=0.57  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.8	253	Pg	15:11:17.87	0.61
			Sg	11:19.47	-0.13
PKB5	73.5	221	Pg	15:11:28.16	0.78
PENC	78.1	355	Pg	15:11:28.67	0.46
PKB4	88.4	222	Pg	15:11:30.49	0.45
			Sg	11:41.99	-0.36
PSZ	100.1	23	PgU	15:11:31.45	-0.68
PKS9	100.5	236	Pg	15:11:31.59	-0.62
PKSM	112.6	210	Pg	15:11:33.96	-0.40
			Sg	11:49.26	-0.79

1833.

2024-12-11 time: 15:35:46.35 UTC ML= 1.9  
 lat: 47.125N lon: 19.311E h= 0.0 km  
 erh= 4.5km erz= 848km  
 nr= 12 gap=160 rms=0.69  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	14.3	233	Pg	15:35:48.94	0.05
			Sg	35:50.81	-0.07
PKB1	54.7	226	Pg	15:35:56.75	0.64
PKB5	73.4	217	Pg	15:36:00.17	0.71
PENC	74.1	358	Pg	15:36:00.72	1.15
PKB3	78.4	186	Pg	15:36:01.31	0.96
PKB4	88.3	218	Pg	15:36:02.09	-0.02
PKST	97.9	279	Pg	15:36:03.51	-0.31
PSZ	98.6	26	PgU	15:36:03.19	-0.76
PKS9	98.8	233	Pg	15:36:03.46	-0.53
MORH	113.2	207	Pg	15:36:05.61	-0.95
PKSM	113.7	207	Pg	15:36:05.83	-0.81

1834.

2024-12-11 time: 20:23:33.12 UTC ML= 1.6  
 lat: 47.081N lon: 19.387E h= 0.0 km  
 erh= 5.2km erz= 925km  
 nr= 9 gap=188 rms=0.69  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKS7	17.6	258	Pg	20:23:36.30	0.05
			Sg	23:38.01	-0.69
PKB1	56.0	234	Pg	20:23:43.48	0.36
PKB5	73.4	223	Pg	20:23:47.60	1.38
PSZ	100.7	22	Pg	20:23:50.64	-0.46
MORH	111.7	211	Pg	20:23:53.25	0.19
			Sg	24:07.25	-1.37
PKSM	112.2	211	Pg	20:23:53.20	0.05
			Sg	24:07.75	-1.03

1835.

2024-12-12 time: 1:31:15.55 UTC ML= 0.7  
 lat: 45.824N lon: 21.751E h= 11.8 km  
 erh= 3.6km erz= 3.1km  
 nr= 5 gap=190 rms=0.47  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	25.3	204	Pg	1:31:20.76	0.21
			Sg	31:23.69	-0.75
SURR	30.1	105	Pg	1:31:21.84	0.51
			Sg	31:25.26	-0.57
DRGR	130.5	35	Sn	1:31:54.11	-0.24

1836.

2024-12-12 time: 4:40:01.76 UTC ML= 1.7  
 lat: 45.673N lon: 21.089E h= 14.2 km  
 erh= 1.7km erz= 1.1km  
 nr= 10 gap=136 rms=0.32  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
JIMR	32.5	292	Pg	4:40:08.24	0.15
			Sg	40:13.13	0.11
BZS	41.6	99	Pg	4:40:09.51	-0.10
			Sg	40:15.62	-0.11
AMBH	80.4	340	Sg	4:40:27.25	-0.46
FRGS	116.6	239	Pn	4:40:21.25	-0.26
GZR	135.4	103	Pn	4:40:24.23	0.37
			Sn	40:40.92	-0.18
DRGR	176.5	45	Pn	4:40:29.69	0.72
			Sn	40:49.68	-0.52

1837.

2024-12-12 time: 4:43:07.99 UTC ML= 0.4  
 lat: 45.645N lon: 21.851E h= 14.1 km  
 erh= 2.8km erz= 2.2km  
 nr= 6 gap=149 rms=0.30  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.5	260	Pg	4:43:12.23	0.09
			Sg	43:15.07	-0.32
SURR	24.6	60	Pg	4:43:13.46	0.42
			Sg	43:16.55	-0.44
GZR	77.5	111	Sg	4:43:33.04	0.00
DRGR	143.8	28	Sn	4:43:48.90	-0.30

1838.

2024-12-12 time: 8:06:56.52 UTC ML= 1.0  
 lat: 45.887N lon: 18.397E h= 0.0 km  
 erh= 0.8km erz= 139km  
 nr= 9 gap=243 rms=0.11  
 Locality: Villánykövesd  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKSV	11.3	271	Pg	8:06:58.40	-0.13
			Sg	07:00.00	-0.10
KOVH	32.1	314	Pg	8:07:02.35	0.09
			Sg	07:06.86	0.13
S9BD	39.1	24	Sg	8:07:08.82	-0.11
PKSM	40.8	28	Pg	8:07:03.89	0.10
MORH	41.3	28	Sg	07:09.28	-0.19
			PgU	8:07:03.93	0.05
			Sg	07:09.66	0.03

1839.

2024-12-12 time: 8:13:57.08 UTC ML= 1.6  
 lat: 47.925N lon: 20.199E h= 0.0 km  
 erh= 5.0km erz= 2.6km  
 nr= 7 gap=227 rms=0.71  
 Locality: Sirok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	22.8	268	Pg	8:14:01.92	0.78
			Sg	14:04.17	-0.14
KECS	65.6	19	Sg	8:14:18.04	0.11
PENC	70.2	258	Pg	8:14:10.02	0.40
			Sg	14:18.80	-0.61
LANS	146.6	338	Sn	8:14:41.00	-1.13
PKSG	148.2	246	Sn	8:14:41.00	-1.49

1840.

2024-12-12 time: 9:10:48.67 UTC ML= 0.8  
 lat: 46.147N lon: 18.320E h= 0.0 km  
 erh= 2.3km erz= 468km  
 nr= 10 gap=184 rms=0.36  
 Locality: Vasas  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.3	249	Pg	9:10:52.00	0.07
			Sg	10:53.37	-1.10
S9BD	23.0	73	Pg	9:10:53.40	0.63
			Sg	10:55.51	-0.46
PKSM	25.8	74	Pg	9:10:53.31	0.03
			Sg	10:56.41	-0.46
MORH	26.1	73	Pg	9:10:53.49	0.15
			Sg	10:56.72	-0.26
PKSV	29.2	190	Pg	9:10:53.76	-0.13
			Sg	10:58.21	0.25

1841.

2024-12-12 time: 9:23:14.69 UTC ML= 1.9  
 lat: 48.564N lon: 20.767E h= 0.0 km  
 erh= 3.2km erz= 5.0km  
 nr= 16 gap=112 rms=1.05  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.7	247	Pg	9:23:19.86	1.12
			Sg	23:22.24	0.34
PSZ	96.7	222	Pg	9:23:32.37	0.41
			Sg	23:44.98	-0.46
NIE	100.7	341	Pg	9:23:34.31	1.63
			Sg	23:46.38	-0.33
STHS	101.0	20	Pg	9:23:33.46	0.73
			Sg	23:44.13	-2.68
LANS	115.6	304	Pg	9:23:34.67	-0.66
			Sg	23:49.35	-2.07
KOLS	118.1	70	Pg	9:23:53.93	0.15
			Sg	23:51.74	-0.49
TRPA	139.9	110	Pn	9:23:39.26	0.09
			Sn	23:55.47	-2.79
STZU	145.3	70	Pn	9:23:40.25	0.41

## Földrengés paraméterek

## Hypocenter Parameters

Sn 23:58.17 -1.29  
 1842.

2024-12-12 time: 10:07:16.47 UTC ML= 2.0  
 lat: 48.848N lon: 20.516E h= 0.0 km  
 erh= 2.0km erz= 2.4km  
 nr= 20 gap= 79 rms=0.87  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	40.7	183	Pg	10:07:24.10			0.36
			Sg	07:28.91			-0.50
NIE	65.1	347	Pg	10:07:28.99			0.89
			Sg	07:35.82			-1.36
STHS	82.5	40	Pg	10:07:31.59			0.38
			Sg	07:41.16			-1.54
LANS	83.8	294	Pg	10:07:31.27			-0.16
			Sg	07:41.36			-1.73
PSZ	113.2	204	Pg	10:07:36.52			-0.17
			Sg	07:50.67			-1.79
KOLS	129.2	86	Pg	10:07:38.93			-0.61
			Sg	07:54.89			-2.64
ZBNS	140.8	283	Pn	10:07:42.16			1.10
			Sn	07:59.69			-0.55
HOLU	142.1	105	Pn	10:07:42.01			0.79
PENC	149.1	218	Sn	10:08:01.38			-0.70
STZU	155.5	83	Pn	10:07:43.32			0.43
			Sn	08:04.26			0.76
OJC	161.1	341	Pn	10:07:44.49			0.90
			Sn	08:04.85			0.10

1843.

2024-12-12 time: 11:06:04.64 UTC ML= 1.9  
 lat: 48.707N lon: 21.493E h= 0.0 km  
 erh= 1.9km erz= 3.7km  
 nr= 18 gap= 73 rms=0.79  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	49.4	202	Pg	11:06:14.25			0.79
			Sg	06:20.54			0.20
UZH	59.6	98	Sg	11:06:23.61			0.04
KOLS	62.6	66	Pg	11:06:16.59			0.77
			Sg	06:23.70			-0.84
KECS	78.3	251	Pg	11:06:19.10			0.47
			Sg	06:28.38			-1.16
STHS	81.0	347	Pg	11:06:19.46			0.35
			Sg	06:28.83			-1.56
STZU	89.8	67	Pg	11:06:20.91			0.24
			Sg	06:32.34			-0.84
TRPA	100.6	130	Pg	11:06:22.44			-0.16
			Sg	06:34.54			-2.07
NIE	117.0	313	Pg	11:06:26.22			0.68
			Sg	06:40.54			-1.30
KWP	135.7	41	Pn	11:06:29.01			0.41
PSZ	147.5	234	Pn	11:06:30.36			0.30
			Sn	06:48.01			-1.88

1844.

2024-12-13 time: 8:29:35.19 UTC ML= 1.5  
 lat: 48.574N lon: 20.742E h= 0.0 km  
 erh= 3.5km erz= \*\*\*km  
 nr= 11 gap= 91 rms=1.00  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	21.5	242	Pg	8:29:39.58			0.56
			Sg	29:42.23			0.22
ABAH	48.1	130	Pg	8:29:44.42			0.65

sta	dist	azm	phase	hr	mn	sec	res
PSZ	96.3	221	Sg	29:49.35			-1.11
			Pg	8:29:53.37			0.98
			Sg	30:04.05			-1.75
NIE	99.1	342	Pg	8:29:53.28			0.40
STHS	100.7	21	Pg	8:29:53.92			0.76
LANS	113.4	304	Pg	8:29:55.01			-0.43
			Sg	30:08.98			-2.25
KOLS	119.5	70	Sg	8:30:11.08			-2.08

1845.

2024-12-13 time: 9:02:11.10 UTC ML= 1.3  
 lat: 46.196N lon: 18.285E h= 0.0 km  
 erh= 2.8km erz= 501km  
 nr= 10 gap=215 rms=0.39  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	18.7	230	Pg	9:02:14.34			-0.10
			Sg	02:16.26			-0.78
S9BD	24.7	87	Pg	9:02:15.71			0.19
			Sg	02:18.50			-0.46
PKSM	27.5	86	Pg	9:02:16.35			0.33
			Sg	02:18.91			-0.95
MORH	27.8	85	Pg	9:02:16.35			0.28
			Sg	02:19.68			-0.26
PKSV	34.3	184	Pg	9:02:17.63			0.40
			Sg	02:21.83			-0.17

1846.

2024-12-13 time: 9:54:05.71 UTC ML= 1.8  
 lat: 48.944N lon: 21.175E h= 0.0 km  
 erh= 1.5km erz= 1.9km  
 nr= 14 gap= 52 rms=1.11  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	52.8	5	Sg	9:54:22.63			0.14
KECS	72.1	225	Pg	9:54:19.20			0.61
ABAH	72.2	176	Sg	9:54:29.15			0.48
KOLS	80.5	91	Pg	9:54:21.57			1.49
			Sg	54:31.34			0.05
NIE	82.1	310	Pg	9:54:21.75			1.39
			Sg	54:32.07			0.28
HOLU	100.3	118	Sg	9:54:37.24			-0.36
KWP	135.2	56	Pn	9:54:28.96			-0.64
			Sn	54:45.92			-2.31
TRPA	135.4	132	Sn	9:54:46.56			-1.73
PSZ	148.3	220	Pn	9:54:30.12			-1.12
OJC	173.3	325	Sn	9:54:55.41			-1.28
ZBNS	186.4	276	Sn	9:54:57.51			-2.09

1847.

2024-12-13 time: 11:21:29.73 UTC ML= 1.1  
 lat: 47.538N lon: 18.454E h= 0.0 km  
 erh= 1.6km erz= 1.5km  
 nr= 10 gap=193 rms=1.06  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	17.0	196	Pg	11:21:34.04			1.28
			Sg	21:36.06			0.94
VRTS	22.4	206	Pg	11:21:34.74			1.01
SRO	32.4	341	Sg	11:21:40.34			0.32
PKST	44.4	226	Sg	11:21:43.72			-0.11
MPLH	80.3	239	Sg	11:21:54.59			-0.67
EGYH	85.7	261	Sg	11:21:55.73			-1.23
MORH	147.7	174	Sn	11:22:13.53			-1.50
PKSM	148.1	174	Sn	11:22:13.53			-1.60
KOVH	163.4	190	Sn	11:22:17.69			-0.83

## Hypocenter Parameters

1848.

2024-12-14 time: 0:08:44.16 UTC ML= 1.6  
lat: 45.996N lon: 22.080E h= 10.0 km  
erh= 4.4km erz=17.1km  
nr= 8 gap=168 rms=0.74  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	27.2	173	PgU	0:08:49.95		0.63	
			Sg	08:53.40		0.05	
BZS	55.5	221	Pg	0:08:54.34		0.11	
			Sg	09:01.28		-0.80	
GZR	86.2	141	Pg	0:09:00.32		0.66	
			Sg	09:10.26		-1.48	
DRGR	100.8	29	Pg	0:09:02.48		0.23	
			Sg	09:14.69		-1.68	

1849.

2024-12-14 time: 8:43:51.79 UTC ML= 1.8  
lat: 45.924N lon: 22.718E h= 0.0 km  
erh= 2.0km erz= 7.4km  
nr= 12 gap= 91 rms=0.72  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	15.1	108	Pg	8:43:54.65		0.16	
			Sg	43:55.01		-1.57	
SURR	49.8	248	Pg	8:44:00.96		0.26	
			Sg	44:07.38		-0.26	
GZR	59.2	176	Pg	8:44:02.97		0.61	
			Sg	44:10.56		-0.05	
BZS	92.3	248	Pg	8:44:07.61		-0.66	
			Sg	44:19.72		-1.40	
DRGR	96.4	360	Pg	8:44:09.58		0.57	
			Sg	44:21.47		-0.97	
CJR	110.8	38	Pg	8:44:11.71		0.12	
			Pn	8:44:21.94		1.42	
LTVH	174.0	339					

1850.

2024-12-15 time: 21:41:40.58 UTC ML= 1.1  
lat: 47.908N lon: 19.652E h= 6.4 km  
erh= 7.3km erz=15.8km  
nr= 6 gap=159 rms=0.31  
Locality: Kozárd  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	18.2	86	Pg	21:41:43.86		-0.16	
			Sg	41:46.81		0.10	
PENC	30.6	245	Pg	21:41:46.18		0.02	
			Sg	41:50.49		-0.03	
KECS	89.1	44	Pg	21:41:56.89		0.36	
			Sg	42:07.98		-0.99	

1851.

2024-12-16 time: 9:00:37.91 UTC ML= 1.6  
lat: 48.638N lon: 20.721E h= 0.0 km  
erh= 3.0km erz= \*\*\*km  
nr= 11 gap= 83 rms=0.90  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.5	225	Pg	9:00:41.84		-0.44	
			Sg	00:45.60		-0.09	
ABAH	54.1	135	Pg	9:00:48.83		1.26	
			Sg	00:54.05		-1.05	

## Földrengés paraméterek

STHS 94.6 24 Pg 9:00:55.98 1.16  
Sg 01:07.04 -0.96  
PSZ 100.8 217 Pg 9:00:56.40 0.48  
Sg 01:09.13 -0.84  
LANS 108.1 302 Pg 9:00:57.44 0.22  
Sg 01:11.27 -1.00  
KOLS 118.7 74 Sg 9:01:13.82 -1.83

1852.

2024-12-16 time: 9:35:40.03 UTC ML= 1.9  
lat: 48.866N lon: 20.519E h= 0.0 km  
erh= 1.5km erz= 3.9km  
nr= 15 gap= 89 rms=0.55  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	42.7	183	Pg	9:35:47.79		0.14	
			Sg	35:53.73		0.13	
NIE	63.3	346	Pg	9:35:51.69		0.36	
			Sg	35:59.06		-1.08	
STHS	80.9	41	Pg	9:35:54.46		-0.02	
			Sg	36:05.32		-0.43	
ABAH	82.8	140	Pg	9:35:55.20		0.39	
			Sg	36:05.62		-0.72	
LANS	83.1	292	Pg	9:35:55.34		0.46	
			Sg	36:05.41		-1.05	
PSZ	115.1	204	Pg	9:36:00.73		0.14	
			Sg	36:15.54		-1.08	
KOLS	128.9	87	Pg	9:36:02.80		-0.25	
			HOLU	142.4 105 Pn 9:36:04.79 -0.04			
OJC	159.3	341	Pn	9:36:08.33		1.40	

1853.

2024-12-16 time: 10:23:36.76 UTC ML= 1.5  
lat: 45.751N lon: 17.355E h= 0.0 km  
erh= 5.9km erz= 952km  
nr= 12 gap=235 rms=0.78  
Locality: Croatia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	68.9	57	Pg	10:23:50.16		1.11	
			Sg	24:00.03		1.38	
PKSV	71.4	78	Pg	10:23:50.23		0.73	
			Sg	23:59.75		0.31	
BEHE	91.6	331	Sg	10:24:06.36		0.49	
			Pg	10:23:55.66		-0.62	
S9BD	109.3	62	Sg	24:10.07		-1.44	
			Pg	10:23:56.44		-0.33	
PKSM	112.1	63	Sg	24:11.22		-1.15	
			Pg	10:23:56.52		-0.32	
MORH	112.5	63	Sg	24:12.13		-0.37	
			Sg	10:24:12.76		-0.65	
KOGS	115.3	312					

1854.

2024-12-16 time: 12:50:09.28 UTC ML= 1.9  
lat: 46.249N lon: 21.899E h= 0.0 km  
erh= 6.2km erz= \*\*\*km  
nr= 7 gap=209 rms=0.94  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
BZS	73.6	197	Pg	12:50:22.56		0.13	
			Sg	50:31.11		-1.57	
DRGR	86.7	46	Pg	12:50:25.21		0.44	
			Sg	50:35.12		-1.74	
DEV	87.7	118	Sg	12:50:37.64		0.48	
			Pg	12:50:31.33		1.15	
GZR	117.0	144					
			Sg	50:45.65		-0.84	

**Földrengés paraméterek**

**Hypocenter Parameters**

1855.  


---

 2024-12-16 time: 14:37:46.47 UTC ML= 1.6  
 lat: 47.564N lon: 16.344E h= 0.0 km  
 erh= 1.5km erz= 2.9km  
 nr= 13 gap= 92 rms=0.50  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	15.5	347	PgU	14:37:49.68	0.45
			Sg	37:50.89	-0.50
SOP	20.9	51	Pg	14:37:50.64	0.45
			Sg	37:53.16	0.06
CONA	54.3	318	Pg	14:37:56.52	0.36
			Sg	38:02.52	-1.20
ARSA	71.1	241	Pg	14:37:59.58	0.42
			Sg	38:08.66	-0.40
EGYH	76.2	102	Sg	14:38:10.34	-0.36
MPLH	100.4	116	Sg	14:38:17.63	-0.74
GROS	138.4	208	Sn	14:38:29.64	-0.05
KRUC	166.6	1	Pn	14:38:14.13	-0.14
			Sn	38:33.74	-2.22*

1856.  


---

 2024-12-17 time: 5:20:09.75 UTC ML= 1.5  
 lat: 45.661N lon: 21.843E h= 12.7 km  
 erh= 2.8km erz= 1.9km  
 nr= 8 gap=142 rms=0.36  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.3	254	Pg	5:20:13.67	-0.06
			Sg	20:16.59	-0.25
SURR	24.2	65	PgD	5:20:14.78	0.14
			Sg	20:18.28	-0.17
GZR	78.8	112	Pg	5:20:24.33	0.33
			Sg	20:33.92	-1.19
DRGR	142.4	28	Pn	5:20:33.28	0.37
			Sn	20:50.42	-0.56

1857.  


---

 2024-12-17 time: 9:58:21.35 UTC ML= 1.7  
 lat: 48.620N lon: 20.750E h= 0.0 km  
 erh= 2.6km erz= 295km  
 nr= 6 gap=263 rms=0.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.8	232	Pg	9:58:25.69	-0.08
			Sg	58:29.62	0.40
ABAH	51.1	135	Pg	9:58:30.65	0.18
			Sg	58:37.47	-0.11
PSZ	100.6	219	Pg	9:58:39.20	-0.11
			Sg	58:53.17	-0.16

1858.  


---

 2024-12-17 time: 10:20:58.31 UTC ML= 2.1  
 lat: 48.408N lon: 17.288E h= 0.0 km  
 erh= 2.3km erz= 3.0km  
 nr= 23 gap= 93 rms=0.93  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	15.7	41	PgU	10:21:01.80	0.69
			Sg	21:03.68	0.38
ZST	27.3	210	Pg	10:21:04.08	0.89
			Sg	21:07.18	0.19

JAVC	57.5	29	Pg	10:21:10.01	1.42
			Sg	21:16.31	-0.29
KRUC	98.0	318	Pg	10:21:16.05	0.24
			Sg	21:27.82	-1.64
RONA	108.0	223	Pg	10:21:18.23	0.62
			Sg	21:31.80	-0.85
VRAC	112.4	333	Pg	10:21:18.41	0.03
			Sg	21:32.93	-1.10
CONA	118.8	243	Pg	10:21:19.33	-0.19
			Sg	21:35.12	-0.95
ZBNS	128.1	51	Pg	10:21:20.24	-0.95
PKST	139.4	156	Pn	10:21:22.09	-0.64
			Sn	21:38.93	-2.85
PKSG	139.9	144	Pn	10:21:23.38	0.60
			Sn	21:39.92	-1.95
MORC	153.4	7	Pn	10:21:24.37	-0.10
			Sn	21:43.58	-1.29
ARSA	184.5	226	Pn	10:21:30.91	2.56
			Sn	21:51.70	-0.08

1859.  


---

 2024-12-17 time: 10:22:18.69 UTC ML= 1.5  
 lat: 48.812N lon: 21.849E h= 0.0 km  
 erh= 2.8km erz= 863km  
 nr= 7 gap=109 rms=0.57  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	34.0	67	Pg	10:22:24.63	-0.12
			Sg	22:29.67	0.19
ABAH	72.9	218	Sg	10:22:41.94	0.09
STHS	80.5	327	Pg	10:22:33.67	0.61
			Sg	22:43.04	-1.23
TRPA	91.4	146	Pg	10:22:35.31	0.31
			Sg	22:46.70	-1.02

1860.  


---

 2024-12-17 time: 14:12:03.09 UTC ML= 1.8  
 lat: 45.693N lon: 21.813E h= 13.2 km  
 erh= 4.7km erz= 3.5km  
 nr= 8 gap=149 rms=0.63  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	17.5	241	Pg	14:12:07.02	0.01
			Sg	12:09.95	-0.12
SURR	25.2	74	Pg	14:12:08.36	0.19
			Sg	12:11.48	-0.65
GZR	82.3	114	Pg	14:12:18.34	0.36
			Sg	12:28.39	-1.20
DRGR	140.4	30	Pn	14:12:26.92	0.99
			Sn	12:42.61	-1.14

1861.  


---

 2024-12-17 time: 16:25:03.40 UTC ML= 0.5  
 lat: 45.636N lon: 21.844E h= 12.3 km  
 erh= 1.1km erz= 0.9km  
 nr= 6 gap=153 rms=0.12  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	17.8	263	Pg	16:25:07.21	-0.06
			Sg	25:10.32	0.04
SURR	25.5	59	Pg	16:25:08.31	-0.15
			Sg	25:12.60	0.19
GZR	77.7	110	Sg	16:25:28.58	0.16
DRGR	144.9	28	Sn	16:25:45.33	0.05

## Hypocenter Parameters

## Földrengés paraméterek

1862.

2024-12-17 time: 17:39:18.94 UTC ML= 0.5  
lat: 45.825N lon: 21.741E h= 10.0 km  
erh= 2.7km erz= 2.4km  
nr= 5 gap=192 rms=0.59  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	25.1	203	Pg	17:39:24.13			0.37
			Sg		39:26.73		-0.79
SURR	30.8	105	Pg	17:39:25.36			0.63
			Sg		39:28.61		-0.63
DRGR	130.9	35	Sn	17:39:57.64			-0.60

1863.

2024-12-17 time: 19:28:52.21 UTC ML= 0.4  
lat: 45.648N lon: 21.852E h= 14.6 km  
erh= 2.6km erz= 2.0km  
nr= 6 gap=148 rms=0.28  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	18.7	259	Pg	19:28:56.54			0.10
			Sg		28:59.44		-0.30
SURR	24.3	61	Pg	19:28:57.63			0.36
			Sg		29:00.85		-0.37
GZR	77.6	111	Sg	19:29:17.33			0.02
DRGR	143.4	28	Sn	19:29:32.88			-0.36

1864.

2024-12-17 time: 20:53:15.39 UTC ML= 1.4  
lat: 45.715N lon: 21.824E h= 10.0 km  
erh= 3.4km erz= 2.8km  
nr= 8 gap=154 rms=0.45  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	19.5	236	Pg	20:53:19.36			0.05
			Sg		53:22.37		0.01
SURR	23.8	80	PgD	20:53:20.48			0.49
			Sg		53:23.33		-0.26
GZR	82.6	116	Pg	20:53:30.18			-0.06
			Sg		53:40.36		-1.46
DRGR	137.8	30	Pn	20:53:38.67			0.35
			Sn		53:55.42		-0.79

1865.

2024-12-18 time: 4:42:17.41 UTC ML= 1.3  
lat: 46.015N lon: 22.094E h= 0.0 km  
erh= 4.6km erz= \*\*\*km  
nr= 7 gap=169 rms=0.71  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SURR	29.2	175	PgU	4:42:23.29			0.67
			Sg		42:26.79		0.11
BZS	57.8	220	Pg	4:42:27.69			-0.04
			Sg		42:34.87		-0.91
GZR	87.2	142	Pg	4:42:33.62			0.63
			Sg		42:43.37		-1.77
DRGR	98.5	29	Sg	4:42:48.23			-0.49

1866.

2024-12-18 time: 8:42:31.85 UTC ML= 1.2  
lat: 47.944N lon: 16.134E h= 0.0 km  
erh= 3.2km erz= 870km  
nr= 6 gap=147 rms=0.51  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	20.4	265	Pg	8:42:35.62			0.13
			Sg		42:37.82		-0.52
RONA	29.8	156	Pg	8:42:37.40			0.24
			Sg		42:40.69		-0.62
KRUC	125.8	9	Pg	8:42:54.96			0.65
			Sg		43:10.85		-0.99

1867.

2024-12-18 time: 8:55:29.39 UTC ML= 1.3  
lat: 48.597N lon: 20.728E h= 0.0 km  
erh= 2.0km erz= 530km  
nr= 8 gap=148 rms=0.38  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	21.9	235	Pg	8:55:32.90			-0.40
			Sg		55:36.92		0.58
ABAH	50.5	131	Pg	8:55:38.56			0.15
			Sg		55:45.78		0.33
PSZ	97.6	219	Pg	8:55:46.78			-0.03
			Sg		56:00.02		-0.38
STHS	98.7	22	Pg	8:55:47.33			0.32
KOLS	119.6	72	Sg	8:56:06.50			-0.92

1868.

2024-12-18 time: 11:54:50.02 UTC ML= 1.6  
lat: 46.314N lon: 22.933E h= 0.0 km  
erh= 4.5km erz= 940km  
nr= 8 gap=201 rms=0.69  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	48.0	183	Sg	11:55:04.34			-0.92
DRGR	55.7	342	Pg	11:54:59.87			-0.10
			Sg		55:07.79		0.06
SURR	88.3	225	Sg	11:55:18.14			0.06
GZR	103.1	187	Pg	11:55:09.07			0.65
			Sg		55:19.71		-3.07
BZS	128.2	233	Pg	11:55:13.25			0.35
			Sg		55:30.79		0.03

1869.

2024-12-18 time: 12:50:49.69 UTC ML= 1.6  
lat: 46.120N lon: 21.710E h= 0.0 km  
erh= 4.9km erz= 984km  
nr= 8 gap=218 rms=0.71  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SURR	51.9	142	Pg	12:50:59.66			0.70
			Sg		51:06.35		0.17
BZS	56.5	187	Pg	12:50:59.66			-0.11
			Sg		51:06.77		-0.87
DRGR	107.2	46	Pg	12:51:09.49			0.66
			Sg		51:22.13		-1.62
GZR	115.8	134	Pg	12:51:10.58			0.20
			Sg		51:25.38		-1.13

## Földrengés paraméterek

## Hypocenter Parameters

1870.

2024-12-19 time: 4:31:50.92 UTC ML= 2.1  
 lat: 45.540N lon: 16.069E h= 10.0 km  
 erh= 4.0km erz= 2.0km  
 nr= 17 gap=234 rms=0.74  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	32.7	350	Pg	4:31:57.03	0.01
			Sg	32:02.81	1.03
R971	33.4	352	Pg	4:31:56.73	-0.42
			Sg	32:03.73	1.72
PTJ	41.0	348	Pg	4:31:57.86	-0.59
			Sg	32:04.23	-0.09
CRES	57.4	304	Pg	4:32:01.11	-0.21
			Sg	32:09.24	-0.18
KOGS	101.9	8	Sg	4:32:23.02	-0.45
GROS	111.4	337	PnU	4:32:10.27	-0.30
			Sn	32:24.92	-0.97
PERS	142.4	329	Pn	4:32:15.05	0.62
			Sn	32:32.13	-0.63
SOKA	149.8	328	Pn	4:32:17.54	2.19
			Sn	32:33.83	-0.57
PKSM	213.2	69	Sn	4:32:48.63	0.15
MORH	213.5	69	Sn	4:32:49.49	0.93

1871.

2024-12-19 time: 9:59:19.37 UTC ML= 1.1  
 lat: 45.653N lon: 21.854E h= 8.1 km  
 erh= 3.5km erz=11.3km  
 nr= 5 gap=164 rms=0.23  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.9	258	Pg	9:59:22.86	-0.18
			Sg	59:25.81	-0.10
SURR	23.9	62	Pg	9:59:23.92	0.04
GZR	77.7	112	Pg	9:59:33.68	0.37
			Sg	59:43.89	-0.30

1872.

2024-12-19 time: 10:15:15.41 UTC ML= 1.5  
 lat: 47.870N lon: 16.078E h= 0.0 km  
 erh= 1.7km erz= 1.7km  
 nr= 7 gap=129 rms=0.90  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.5	292	Pg	10:15:19.19	0.66
			Sg	15:21.53	0.57
RONA	25.0	139	Pg	10:15:20.41	0.54
			Sg	15:23.91	0.56
KRUC	134.6	10	Pn	10:15:38.93	-0.30
			Sn	15:55.55	-2.25
KOGS	158.6	175	Sn	10:16:01.61	-1.52

1873.

2024-12-19 time: 10:52:25.65 UTC ML= 1.8  
 lat: 46.134N lon: 21.748E h= 0.0 km  
 erh= 7.5km erz= \*\*\*km  
 nr= 7 gap=215 rms=0.86  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	51.4	145	Pg	10:52:35.58	0.75
BZS	58.4	190	Pg	10:52:35.95	-0.13

			Sg	52:42.95	-1.27
DRGR	104.0	45	Pg	10:52:44.96	0.74
			Sg	52:57.47	-1.24
GZR	114.8	136	Pg	10:52:46.66	0.50
			Sg	53:00.54	-1.61

1874.

2024-12-19 time: 11:55:52.01 UTC ML= 1.9  
 lat: 46.121N lon: 21.725E h= 0.0 km  
 erh= 6.1km erz= \*\*\*km  
 nr= 6 gap=217 rms=0.64  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BZS	56.7	189	Pg	11:56:01.90	-0.25
			Sg	56:09.08	-0.97
DRGR	106.2	45	Pg	11:56:11.29	0.30
			Sg	56:24.87	-0.91
GZR	115.1	135	Pg	11:56:13.52	0.96
			Sg	56:28.58	-0.01

1875.

2024-12-20 time: 7:02:25.62 UTC ML= 2.3  
 lat: 45.916N lon: 16.034E h= 11.7 km  
 erh= 2.0km erz= 1.2km  
 nr= 20 gap=129 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.1	254	Pg	7:02:27.43	-0.55
			Sg	02:29.10	-0.72
ZAG	10.1	198	Pg	7:02:27.86	-0.52
			Sg	02:30.30	-0.23
GCIS	32.0	260	iPg	7:02:31.88	0.18
CESS	44.7	278	ePg	7:02:34.69	0.82
			eSg	02:41.80	1.49
CRES	45.9	257	Pg	7:02:34.48	0.40
			Sg	02:40.58	-0.09
DOBS	50.9	301	iPg	7:02:35.29	0.35
LEGS	55.7	274	iPg	7:02:36.16	0.38
KOGS	61.5	16	Pg	7:02:37.98	1.18
			Sg	02:44.92	-0.61
GROS	73.2	326	Pg	7:02:38.81	-0.05
			Sg	02:48.61	-0.58
PERS	106.8	319	Pn	7:02:44.21	-0.26
			Sn	02:58.31	-0.87
SOKA	114.6	318	Pn	7:02:45.64	0.20
			Sn	03:00.00	-0.91
BLY	157.9	145	Sn	7:03:10.65	0.13

1876.

2024-12-20 time: 9:02:44.41 UTC ML= 2.0  
 lat: 46.047N lon: 22.848E h= 0.0 km  
 erh= 2.4km erz= 3.3km  
 nr= 13 gap=119 rms=0.64  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.7	167	Pg	9:02:48.12	0.36
			Sg	02:50.29	-0.08
SURR	64.9	240	Pg	9:02:56.91	0.90
			Sg	03:04.49	-0.56
GZR	72.9	184	Pg	9:02:57.65	0.22
			Sg	03:06.56	-1.03
DRGR	83.4	353	Pg	9:02:59.35	0.04
			Sg	03:10.05	-0.88
BZS	107.0	243	Pg	9:03:03.69	0.17
			Sg	03:16.52	-1.90
DJES	159.2	189	Sn	9:03:31.04	-1.23

## Hypocenter Parameters

JIMR 169.1 260 Pn 9:03:13.07 0.54  
 VOIR 184.3 112 Sn 9:03:37.92 0.09

1877.

2024-12-20 time: 9:12:22.68 UTC ML= 1.6  
 lat: 46.038N lon: 22.794E h= 0.0 km  
 erh= 1.7km erz= 528km  
 nr= 9 gap=158 rms=0.40  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.2	154	Pg	9:12:26.28	0.18
			Sg	12:28.34	-0.43
SURR	60.8	239	Sg	9:12:42.20	0.19
			Pg	9:12:35.61	0.13
GZR	71.7	181	Sg	12:44.83	-0.63
			Pg	9:12:38.01	0.33
DRGR	84.0	356	Sg	12:48.56	-0.83
			Pg	9:12:41.40	0.36
BZS	102.8	243	Sg	12:54.79	-0.57

1878.

2024-12-20 time: 9:23:24.94 UTC ML= 1.5  
 lat: 45.687N lon: 22.081E h= 0.0 km  
 erh= 3.2km erz= 5.3km  
 nr= 8 gap=137 rms=0.81  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	8.1	24	Pg	9:23:27.14	0.75
			Sg	23:27.51	-0.02
BZS	37.1	258	Pg	9:23:31.36	-0.21
			Sg	23:36.31	-0.42
GZR	63.4	121	Pg	9:23:37.30	1.04
			Sg	23:44.03	-1.06
DRGR	132.0	22	Pn	9:23:48.28	-0.16
			Sn	24:04.50	-2.26

1879.

2024-12-21 time: 9:56:47.31 UTC ML= 1.8  
 lat: 47.960N lon: 16.060E h= 0.0 km  
 erh= 2.6km erz= 4.1km  
 nr= 7 gap=134 rms=0.47  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.2	257	PgU	9:56:50.17	0.14
			Sg	56:51.73	-0.43
RONA	33.9	149	Sg	9:56:57.76	-0.34
			Pg	9:57:10.01	0.38
KRUC	125.0	11	Sg	57:25.95	-1.09
			Pn	9:57:14.23	0.56
VRAC	155.0	15	Sn	57:33.87	-0.36

1880.

2024-12-21 time: 23:14:23.86 UTC ML= 1.2  
 lat: 45.619N lon: 21.445E h= 10.0 km  
 erh= 4.7km erz= 2.2km  
 nr= 8 gap=203 rms=0.49  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	13.4	91	PgD	23:14:27.05	0.21
			Sg	14:29.87	0.70
TIM	21.8	307	Pg	23:14:27.99	-0.15
			SURR	55.0	74

## Földrengés paraméterek

GZR 107.0 104 Sg 14:40.74 -0.89  
 P\* 23:14:43.02 0.07  
 S\* 14:56.06 -1.79  
 DRGR 162.9 37 Sn 23:15:10.70 0.45

1881.

2024-12-23 time: 5:51:06.35 UTC ML= 1.9  
 lat: 46.745N lon: 20.941E h= 15.1 km  
 erh= 2.0km erz= 1.9km  
 nr= 11 gap=119 rms=0.41  
 Locality: Kamut  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	46.9	201	Pg	5:51:15.26	0.12
			Sg	51:21.65	-0.35
BSZH	80.2	320	S*	5:51:32.31	0.09
			P*	5:51:21.33	-0.08
PKSN	83.7	282	S*	51:32.67	-0.49
			Sn	5:51:39.38	0.30
PKS6	106.6	261	Pn	5:51:28.35	0.02
			Sn	51:44.29	-1.18
DRGR	135.3	88	Pn	5:51:29.07	0.68
			Sn	51:44.97	-0.61
BZS	135.8	157	Sn	5:51:49.69	0.39

1882.

2024-12-25 time: 17:35:36.93 UTC ML= 1.4  
 lat: 45.647N lon: 21.841E h= 12.4 km  
 erh= 2.6km erz= 2.0km  
 nr= 8 gap=148 rms=0.38  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	17.8	259	PgU	17:35:40.85	0.04
			Sg	35:43.69	-0.15
SURR	25.1	62	Pg	17:35:42.04	0.11
			Sg	35:45.57	-0.26
GZR	78.4	111	Pg	17:35:51.28	0.18
			Sg	36:01.38	-0.77
DRGR	143.8	28	Pn	17:36:00.93	0.62
			Sn	36:17.77	-0.77

1883.

2024-12-25 time: 18:58:05.26 UTC ML= 1.4  
 lat: 45.636N lon: 21.852E h= 13.0 km  
 erh= 3.2km erz= 2.5km  
 nr= 8 gap=153 rms=0.50  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.5	263	PgD	18:58:09.28	-0.01
			Sg	58:12.42	-0.02
SURR	25.0	58	Pg	18:58:10.44	0.16
			Sg	58:13.82	-0.38
GZR	77.1	110	Pg	18:58:19.40	0.17
			Sg	58:29.21	-0.91
DRGR	144.5	27	Pn	18:58:29.54	0.88
			Sn	58:45.87	-1.04

1884.

2024-12-25 time: 19:05:15.42 UTC ML= 0.7  
 lat: 45.634N lon: 21.849E h= 14.5 km  
 erh= 2.3km erz= 1.8km  
 nr= 6 gap=154 rms=0.25  
 Locality: Romania  
 Comments:



**Földrengés paraméterek**

**Hypocenter Parameters**

sta	dist	azm	phase	hr mn sec	res
BZS	18.2	264	Pg	19:05:19.57	-0.01
			Sg	05:22.68	-0.14
SURR	25.3	58	Pg	19:05:21.01	0.38
			Sg	05:24.34	-0.35
GZR	77.3	110	Sg	19:05:40.42	0.01
DRGR	144.9	27	Sn	19:05:56.53	-0.27

1885.

2024-12-25 time: 19:38:48.65 UTC ML= 1.7  
 lat: 45.656N lon: 21.838E h= 13.5 km  
 erh= 4.1km erz= 2.6km  
 nr= 10 gap=144 rms=0.65  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	17.8	256	Pg	19:38:52.46	-0.17
			Sg	38:55.62	-0.12
SURR	24.8	64	PgD	19:38:53.64	-0.06
			Sg	38:57.41	-0.22
GZR	78.9	112	Pg	19:39:03.72	0.77
			Sg	39:12.91	-1.19
AMBH	115.7	312	Pn	19:39:08.30	-0.08
			Sn	39:22.76	-1.01
DRGR	143.1	28	Pn	19:39:13.12	1.32
			Sn	39:29.39	-0.47

1886.

2024-12-26 time: 2:11:52.47 UTC ML= 2.1  
 lat: 46.196N lon: 16.595E h= 8.5 km  
 erh= 1.5km erz= 1.3km  
 nr= 28 gap=133 rms=0.63  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.5	25	Pg	2:11:58.28	-0.37
			Sg	12:03.43	-0.04
KOGS	38.6	317	PgU	2:11:59.84	0.31
			Sg	12:05.24	0.20
PTJ	59.2	236	Sg	2:12:11.24	-0.25
ZAG	61.8	229	Pg	2:12:03.71	0.09
			Sg	12:12.27	-0.05
GROS	89.2	289	Pg	2:12:07.96	-0.51
			Sg	12:19.92	-1.03
CRES	97.2	245	Pg	2:12:10.09	0.19
			Sg	12:23.92	0.42
KOVH	116.9	96	Pn	2:12:12.16	-0.83
			Sn	12:26.57	-2.43
PERS	123.7	293	Pn	2:12:13.74	-0.10
			Sn	12:29.85	-0.66
TIH	126.7	52	Sn	2:12:29.90	-1.26
MPLH	130.2	34	Pn	2:12:14.46	-0.19
			Sn	12:30.90	-1.05
SOKA	131.5	294	Pn	2:12:15.78	0.97
			Sn	12:31.81	-0.42
ARSA	143.0	325	Pn	2:12:16.95	0.70
			Sn	12:34.56	-0.24
EGYH	147.0	23	Sn	2:12:36.12	0.45
PKSM	158.0	89	Pn	2:12:19.68	1.57
			Sn	12:38.82	0.71
MORH	158.2	89	Sn	2:12:39.00	0.84
PKST	161.5	43	Pn	2:12:18.83	0.28
RONA	168.7	352	Sn	2:12:41.40	0.90

1887.

2024-12-26 time: 4:51:32.00 UTC ML= 2.1  
 lat: 45.894N lon: 16.030E h= 13.5 km  
 erh= 2.2km erz= 1.5km  
 nr= 18 gap=178 rms=0.52  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.6	277	Pg	4:51:34.26	-0.35
			Sg	51:35.38	-1.26
R971	6.4	194	Pg	4:51:34.46	-0.20
ZAG	7.7	201	Pg	4:51:34.88	0.11
			Sg	51:36.69	-0.24
GCIS	31.4	265	iPg	4:51:38.61	0.51
			iSg	51:42.74	-0.11
GOLS	34.0	293	iSg	4:51:44.32	0.69
CRES	45.1	260	Pg	4:51:40.65	0.24
			Sg	51:46.82	-0.15
DOBS	51.9	303	iPg	4:51:42.32	0.74
KOGS	64.0	15	Pg	4:51:44.41	0.73
			Sg	51:52.40	-0.38
GROS	75.1	327	Pg	4:51:45.85	0.22
			Sg	51:55.26	-1.00
PERS	108.5	320	Pn	4:51:50.68	-0.16
			Sn	52:04.39	-1.14
SOKA	116.2	319	Sn	4:52:06.54	-0.71

1888.

2024-12-26 time: 20:46:23.57 UTC ML= 1.7  
 lat: 45.583N lon: 22.845E h= 10.0 km  
 erh= 7.9km erz=10.2km  
 nr= 6 gap=199 rms=0.31  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
GZR	21.7	194	Pg	20:46:27.66	-0.17
			Sg	46:31.06	-0.10
BZS	95.9	272	Pg	20:46:41.02	0.23
			Sg	46:53.99	-0.23
DRGR	134.8	356	Pn	20:46:46.54	0.41
			Sn	47:03.01	-0.72

1889.

2024-12-27 time: 11:53:58.29 UTC ML= 1.6  
 lat: 45.588N lon: 17.206E h= 11.6 km  
 erh= 2.7km erz= 2.0km  
 nr= 11 gap=160 rms=0.45  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	88.0	68	Pg	11:54:14.28	0.14
			Sg	54:26.07	-0.43
KOVH	89.0	51	Pg	11:54:14.62	0.31
			Sg	54:26.24	-0.56
BLY	93.3	181	Pg	11:54:15.27	0.19
			Sg	54:27.52	-0.65
BEHE	103.5	341	S*	11:54:30.08	-0.98
PKSM	131.2	58	Pn	11:54:20.68	0.49
			Sn	54:36.86	-0.42
MORH	131.6	58	Pn	11:54:20.76	0.51
			Sn	54:37.01	-0.36

## Hypocenter Parameters

## Földrengés paraméterek

1890.

2024-12-28 time: 11:12:41.16 UTC ML= 1.3  
 lat: 48.945N lon: 20.293E h= 5.4 km  
 erh= 3.6km erz= 3.4km  
 nr= 10 gap= 96 rms=0.86  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
NIE	52.7	2	Pg	11:12:51.03	0.42
			Sg	12:56.78	-1.21
KECS	53.3	165	Pg	11:12:51.53	0.80
			Sg	12:58.40	0.20
LANS	64.5	291	Sg	11:13:01.02	-0.71
ABAH	100.4	136	Sg	11:13:11.79	-1.34
PSZ	118.0	194	Sn	11:13:17.08	-1.55
KOLS	145.1	91	Sn	11:13:25.07	0.42
OJC	146.1	346	Pn	11:13:06.70	0.98
			Sn	13:24.76	-0.12

1891.

2024-12-28 time: 11:50:28.07 UTC ML= 1.4  
 lat: 47.796N lon: 16.089E h= 10.8 km  
 erh= 2.1km erz= 1.5km  
 nr= 13 gap=112 rms=0.54  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.9	124	Pg	11:50:32.08	0.13
			Sg	50:34.17	-0.81
CONA	22.5	311	Pg	11:50:33.09	0.56
			Sg	50:36.22	0.21
WINA	34.7	358	Pg	11:50:34.50	-0.06
			Sg	50:38.90	-0.72
ARSA	74.1	215	Sg	11:50:51.57	-0.29
ABNA	108.8	333	Pn	11:50:46.94	-0.35
			Sn	51:00.51	-1.77
KRUC	142.6	9	Pn	11:50:51.93	0.42
			Sn	51:09.27	-0.52
VRAC	172.3	12	Pn	11:50:56.01	0.80
			Sn	51:16.70	0.32

1892.

2024-12-28 time: 14:36:46.64 UTC ML= 1.2  
 lat: 47.799N lon: 16.096E h= 12.2 km  
 erh= 1.7km erz= 1.2km  
 nr= 12 gap=114 rms=0.43  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.7	126	Pg	14:36:50.68	0.05
			Sg	36:53.39	-0.35
CONA	22.7	309	Pg	14:36:51.59	0.35
			Sg	36:54.98	0.15
WINA	34.3	357	Pg	14:36:53.44	0.28
			Sg	36:57.58	-0.65
ARSA	74.7	215	Sg	14:37:10.68	-0.01
ABNA	108.7	333	Pn	14:37:05.54	-0.13
			Sn	37:19.27	-1.23
KRUC	142.2	9	Pn	14:37:10.32	0.48
			Sn	37:27.97	0.03
VRAC	171.8	12	Sn	14:37:37.47	2.95*

1893.

2024-12-29 time: 21:54:23.49 UTC ML= 0.1  
 lat: 46.030N lon: 18.365E h= 19.2 km  
 erh= 0.5km erz= 0.8km  
 nr= 8 gap=162 rms=0.07  
 Locality: Magyararlós  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	18.0	209	Pg	21:54:28.30	0.11
			Sg	54:31.79	-0.07
KOVH	21.5	287	PgD	21:54:28.58	-0.06
			Sg	54:32.66	0.00
PKSM	29.4	47	Pg	21:54:29.71	-0.05
			Sg	54:34.74	0.09
MORH	29.9	46	PgD	21:54:29.84	0.01
			Sg	54:34.71	-0.06

1894.

2024-12-29 time: 22:22:49.25 UTC ML= 2.1  
 lat: 47.847N lon: 16.148E h= 6.6 km  
 erh= 2.0km erz= 1.8km  
 nr= 28 gap= 68 rms=0.90  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	19.8	146	PgD	22:22:52.65	-0.31
			Sg	22:55.20	-0.66
CONA	23.3	293	PgU	22:22:53.48	-0.08
			Sg	22:58.04	1.11
WINA	29.5	349	Pg	22:22:55.41	0.76
			Sg	22:59.34	0.48
SOP	35.7	121	Pg	22:22:55.78	0.05
			Sg	23:01.35	0.56
ARSA	81.3	215	Pg	22:23:02.65	-1.16
			Sg	23:12.91	-2.25
ABNA	105.9	330	Pg	22:23:07.61	-0.58
			Sg	23:20.91	-2.06
SMOL	120.7	52	Pn	22:23:02.65	-0.65
			KRUC	136.4	8
KRUC	136.4	8	Sn	23:29.50	-1.03
			MOA	140.9	270
MOA	140.9	270	Sn	23:30.91	-0.62
			SOKA	154.9	213
PERS	155.6	210	Pn	22:23:15.53	0.69
			Sn	23:33.11	-1.69
GROS	161.7	198	Pn	22:23:17.04	1.45
VRAC	165.8	11	PnU	22:23:16.33	0.22
			Sn	23:36.86	-0.21
BIOA	188.9	265	Pn	22:23:20.25	1.26
			Sn	23:42.88	0.68
OBKA	191.8	219	Pn	22:23:21.31	1.95
			Sn	23:45.39	2.55
MORC	237.8	26	Sn	22:23:53.06	0.01

1895.

2024-12-31 time: 3:46:49.77 UTC ML= 1.5  
 lat: 45.661N lon: 21.851E h= 10.0 km  
 erh= 3.3km erz= 2.9km  
 nr= 9 gap=143 rms=0.55  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	18.9	255	PgD	3:46:53.33	-0.27
			Sg	46:56.27	-0.31
SURR	23.7	64	Pg	3:46:54.45	0.09
			Sg	46:57.62	-0.32
TIM	49.8	280	Pg	3:46:59.43	0.58
GZR	78.2	112	Pg	3:47:03.98	0.13
			Sg	47:13.81	-1.01

## Földrengés paraméterek

## Hypocenter Parameters

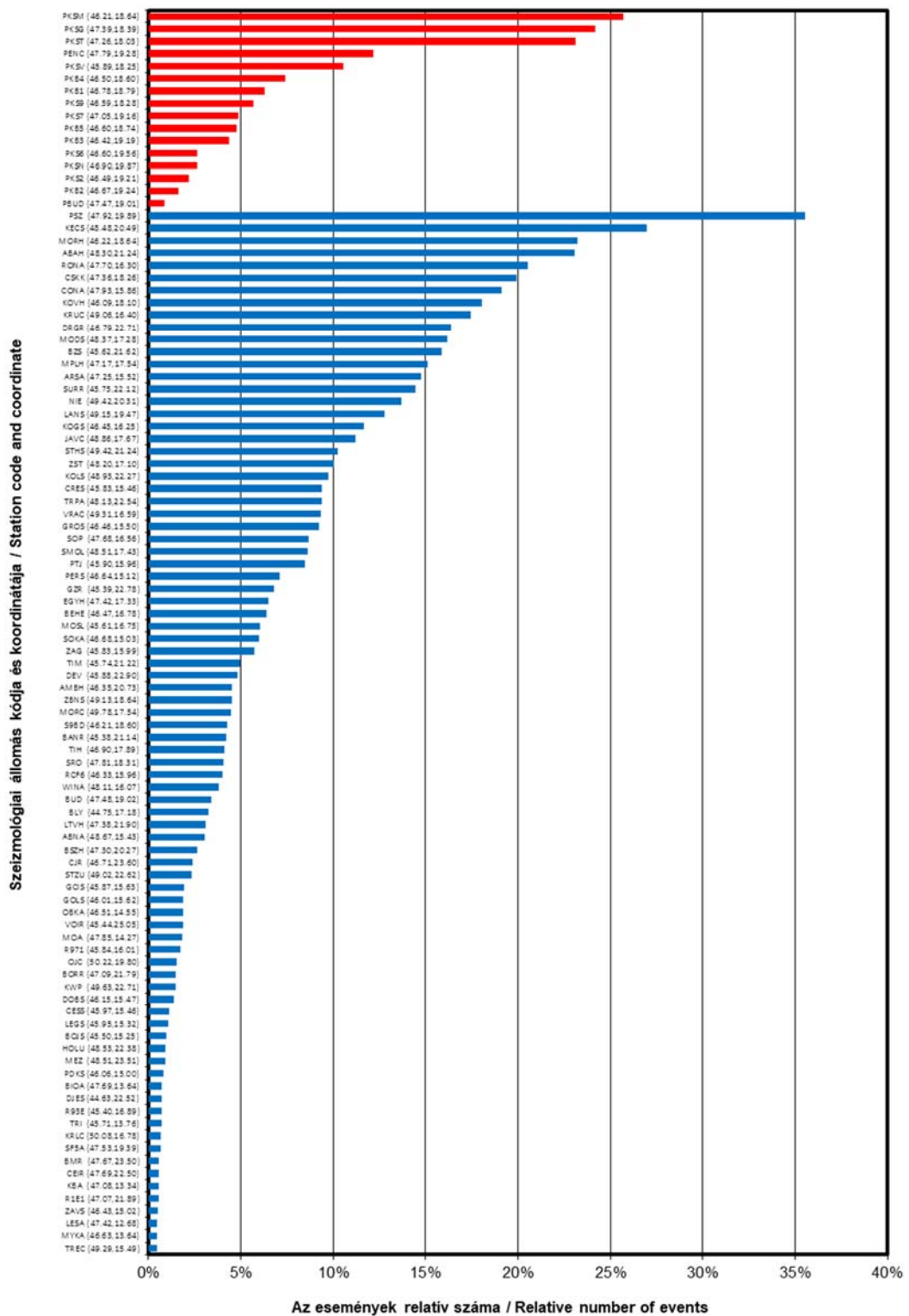
DRGR 142.1 28 Pn 3:47:14.01 0.76  
Sn 47:29.99 -1.58

1896.

---

2024-12-31 time: 17:05:18.34 UTC ML= 1.3  
lat: 45.650N lon: 21.838E h= 13.4 km  
erh= 3.7km erz= 2.7km  
nr= 8 gap=147 rms=0.53  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	17.6	258	Pg	17:05:22.52			0.22
			Sg		05:24.98		-0.40
SURR	25.1	63	PgD	17:05:23.61			0.18
			Sg		05:26.73		-0.67
GZR	78.7	111	Pg	17:05:33.34			0.74
			Sg		05:42.65		-1.07
DRGR 143.7	28	Pn	17:05:41.74				0.16
		Sn		05:58.99			-0.72



3.4. ábra Állomások teljesítménye: az egyes állomások részvétele a rengések hipocentrum meghatározásban

Figure 3.4. Performance of the stations: participation of individual stations in earthquake hypocentre definition



## 4.

### JELENTŐS FÖLDRENGÉSEK 2024-BEN M $\geq$ 3.0 és/vagy Magyarországon érezhető (\*) földrengések

2024. január 7.	–	Szlovénia
2024. február 1.	–	Ausztria (*)
2024. március 7.	–	Horvátország
2024. április 14.	–	Ausztria
2024. június 8.	–	Kunszentmiklós (*)
2024. július 16.	–	Ságvár (*)
2024. augusztus 10.	–	Románia (*)
2024. augusztus 13.	–	Horvátország (*)
2024. augusztus 22.	–	Románia
2024. augusztus 31.	–	Románia
2024. szeptember 4.	–	Románia
2024. szeptember 6.	–	Nagyveleg (*)
2024. november 25.	–	Kunpeszér, robbantás (*)

#### AZ INTENZITÁS ELOSZLÁS MEGHATÁROZÁSA

A Magyarországon érezhető földrengések intenzitás eloszlását a ShakeMap program segítségével modelleztük.

Az érezhető intenzitás leírása az *Európai Makroszeizmikus Skála (EMS)* szerint történik, mely részletesen megtalálható Grünthal (1998) munkájában.

A *műszeres intenzitást (MIS)* a rengés hipocentrum adataiból számítjuk, figyelembe véve az egyes állomásokon mért talajmozgás amplitúdókat, a távolság szerinti csillapodást és a lokális geológiai hatást (Vs30).

(Lásd *A Melléklet*)

## 4.

### SIGNIFICANT EARTHQUAKES IN 2024 M $\geq$ 3.0 and/or earthquakes felt (\*) in Hungary)

7 January 2024	–	Slovenia
1 February 2024	–	Austria (*)
7 March 2024	–	Croatia
4 April 2024	–	Austria
8 June 2024	–	Kunszentmiklós (*)
16 July 2024	–	Ságvár (*)
10 August 2024	–	Romania (*)
13 August 2024	–	Croatia (*)
22 August 2024	–	Romania
31 August 2024	–	Romania
4 September 2024	–	Romania
6 September 2024	–	Nagyveleg (*)
25 November 2024	–	Kunpeszér, explosion (*)

#### METHOD USED FOR ESTIMATION OF INTENSITY

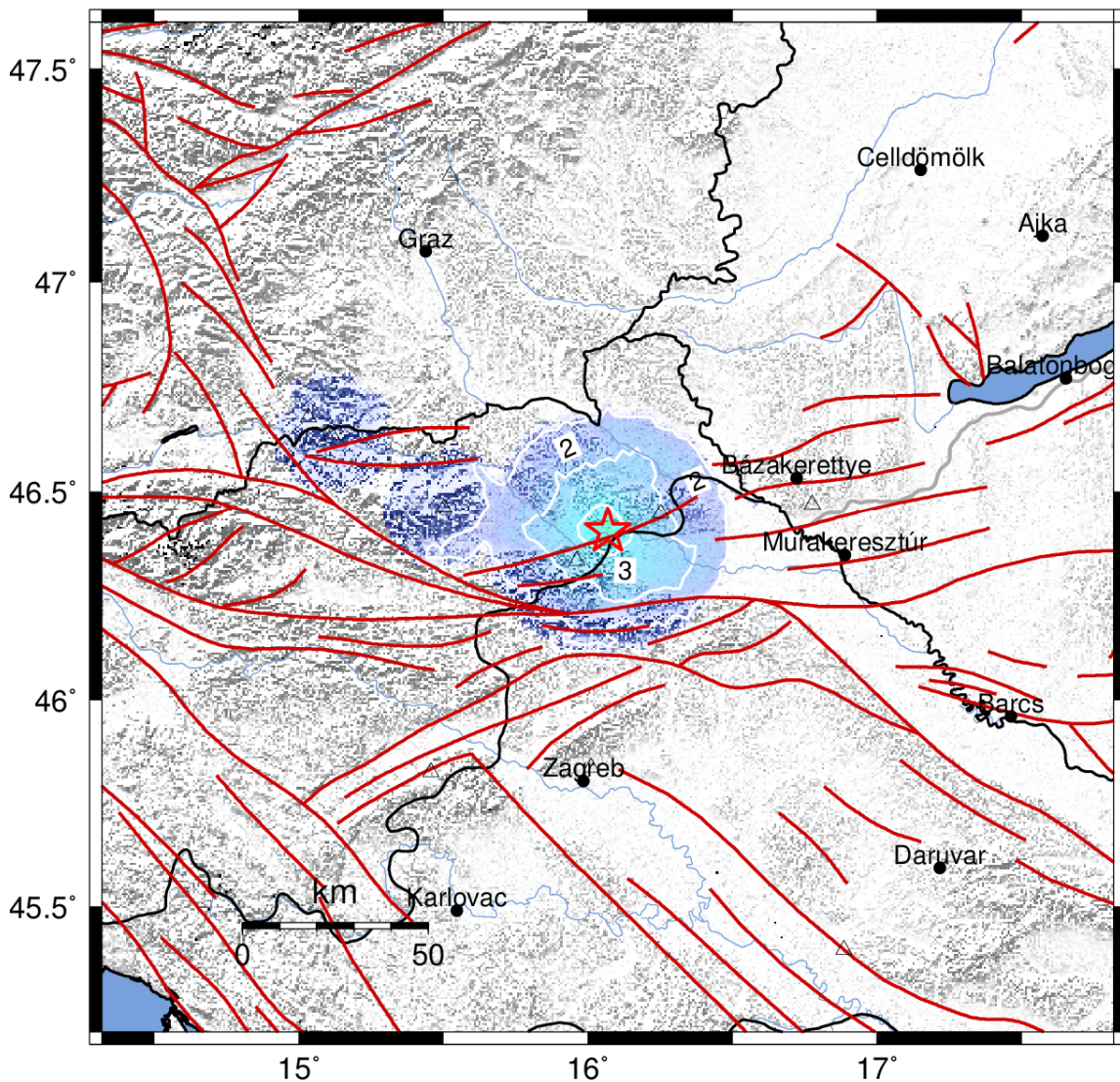
Intensity distribution of earthquakes felt in Hungary has been calculated by ShakeMap program. The assigned felt intensities correspond to the *European Macroseismic Scale 1998 (EMS)* edited by Grünthal (1998).

The *instrumental intensity (IIS)* is calculated from the data of the hypocentre of the earthquake, taking into account the amplitudes of soil movement measured at each station, the attenuation by distance, and the local geological effects ( $V_{s30}$ ).

(See *Appendix A*)

GeoRisk ShakeMap : Slovenia

2024-01-07 00:49:39 UTC M 3.2 N46.40 E16.07 Depth: 11.0km ID:grdc2024alar

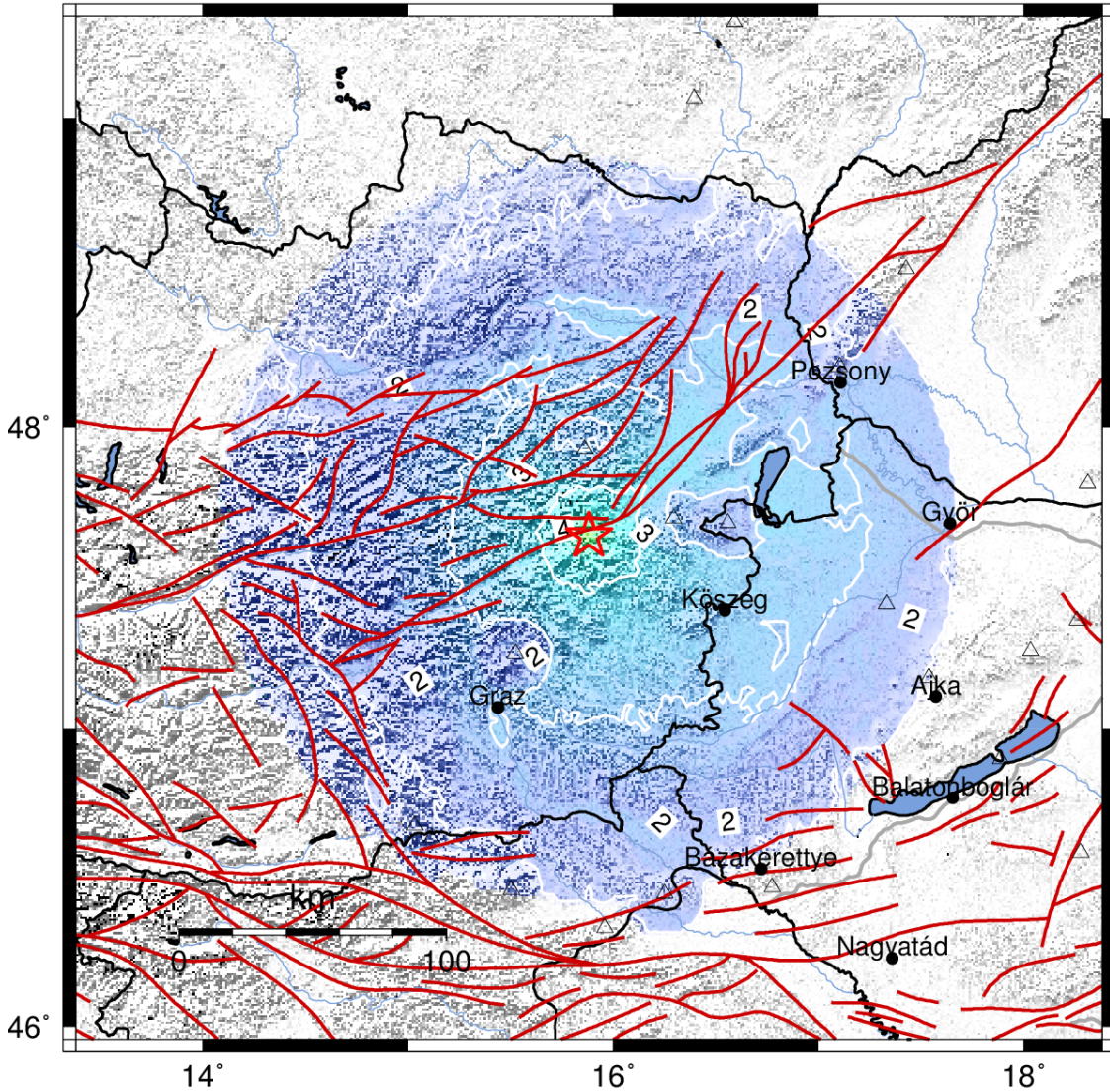


<b>ÉREZHETŐSÉG SHAKING</b>	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
<b>POT. KÁR POT. DAMAGE</b>	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
<b>GYORSULÁS PEAK ACC. (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>SEBESSÉG PEAK VEL. (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY</b>	I	II-III	IV	V	VI	VII	VIII	IX	X+



GeoRisk ShakeMap : Austria

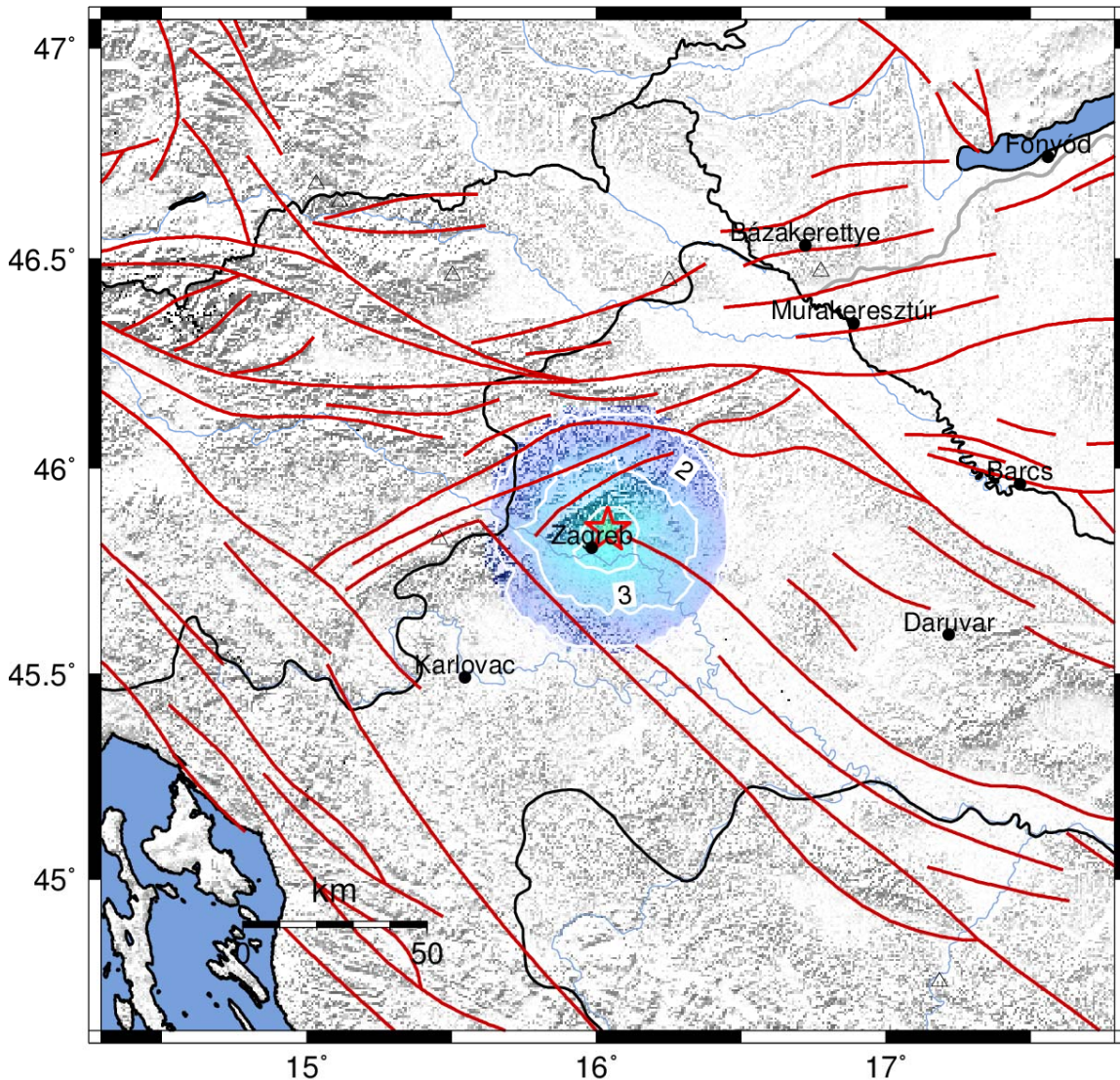
2024-02-01 01:59:19 UTC M 4.4 N47.64 E15.88 Depth: 6.0km ID:grdc2024ceun



ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s <sup>2</sup> )	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
SEBESSÉG PEAK VEL. (m/s)	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Croatia

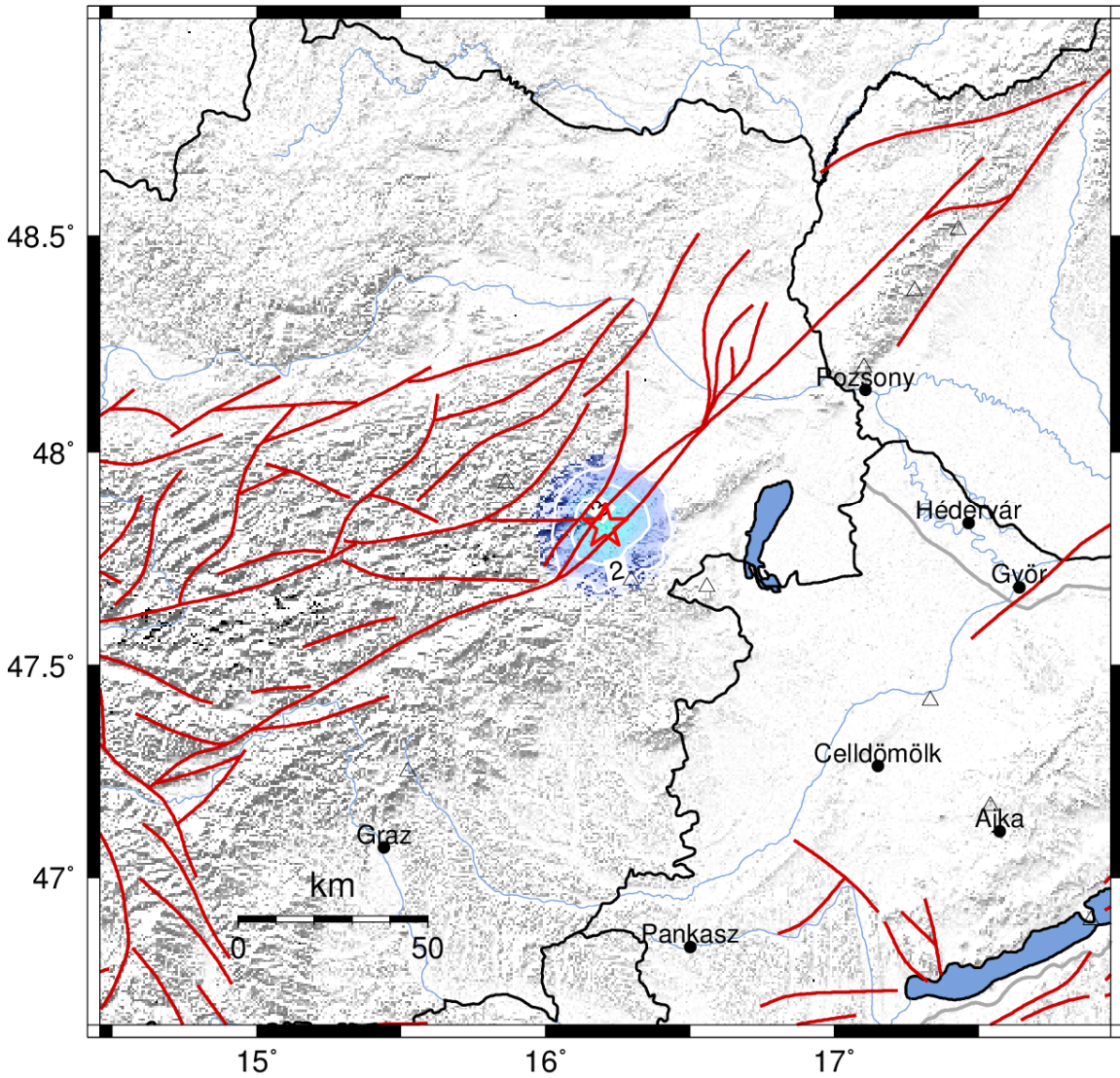
2024-03-07 00:58:24 UTC M 3.1 N45.85 E16.04 Depth: 10.0km ID:grdc2024eqrd



<b>ÉRZETHETŐSÉG SHAKING</b>	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
<b>POT. KÁR POT. DAMAGE</b>	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
<b>GYORSULÁS PEAK ACC. (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>SEBESSÉG PEAK VEL. (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY</b>	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Austria

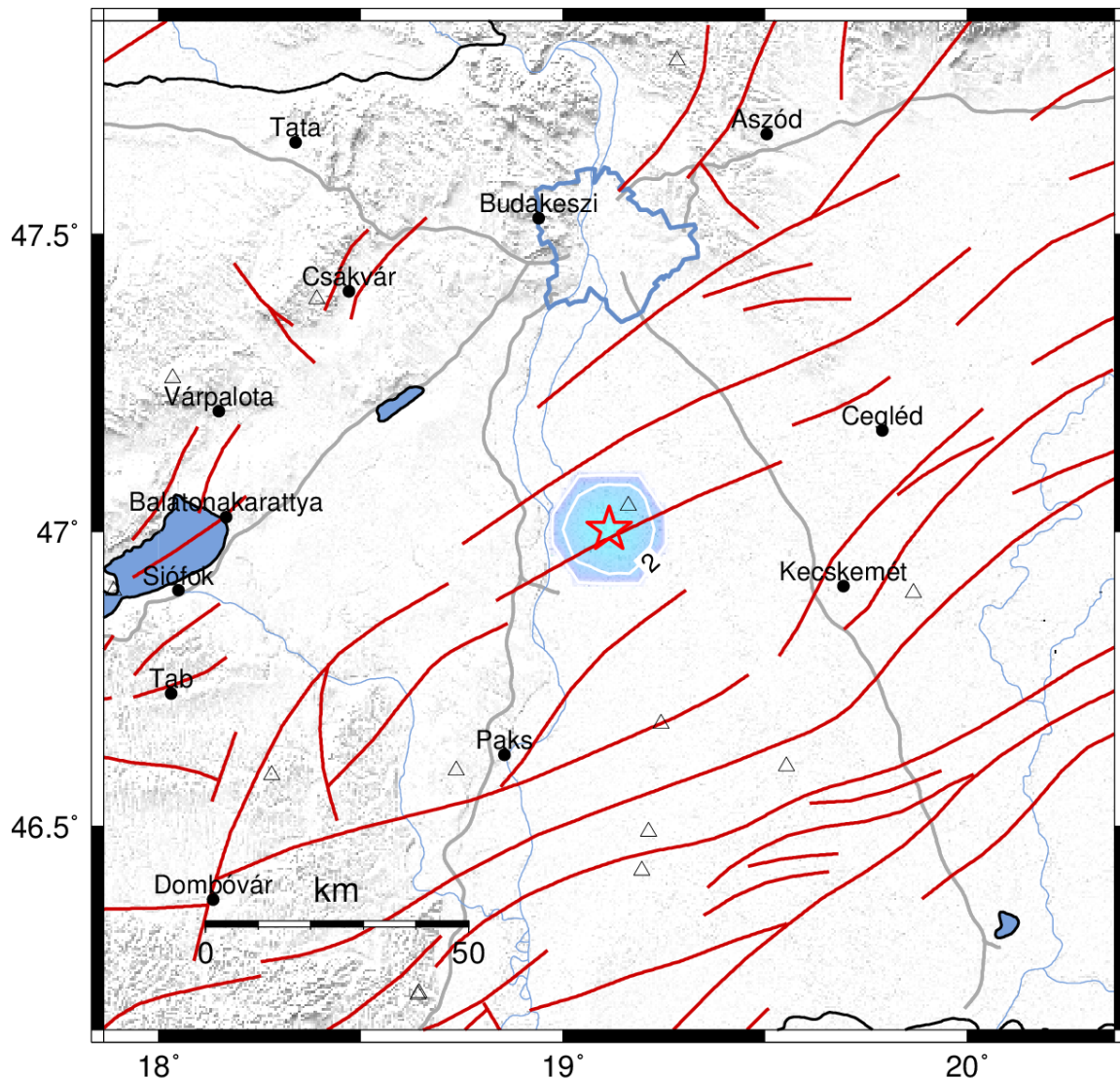
2024-04-14 15:14:15 UTC M 3.1 N47.82 E16.21 Depth: 8.0km ID:grdc2024hjem



<b>ÉREZHETŐSÉG SHAKING</b>	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
<b>POT. KÁR POT. DAMAGE</b>	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
<b>GYORSULÁS PEAK ACC. (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>SEBESSÉG PEAK VEL. (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY</b>	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Hungary – Bacs–Kiskun megye

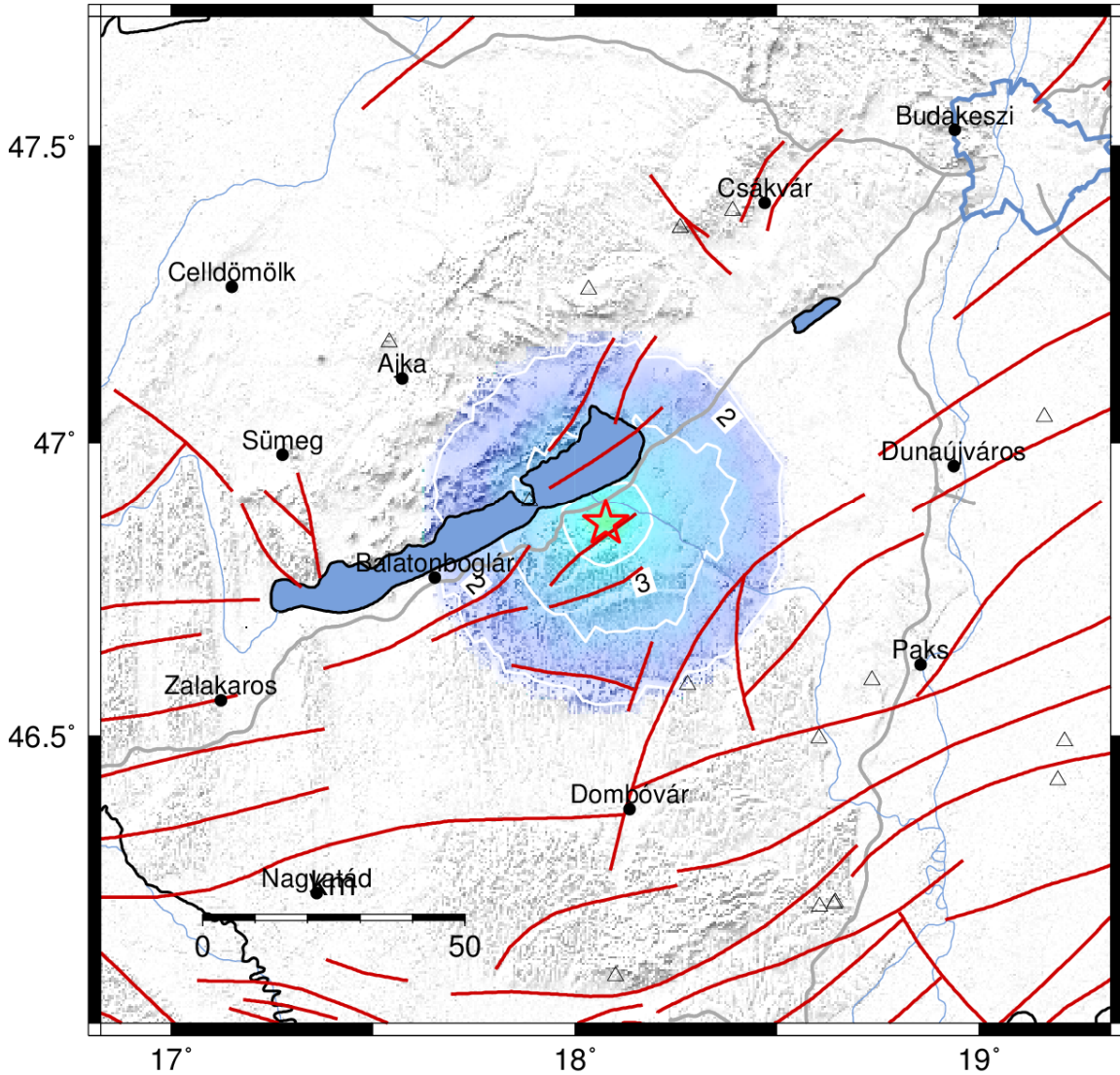
2024-06-08 17:28:54 UTC M 2.5 N47.00 E19.11 Depth: 10.0km ID:grdc2024lfvp



ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s <sup>2</sup> )	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
SEBESSÉG PEAK VEL. (m/s)	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Hungary – Somogy megye

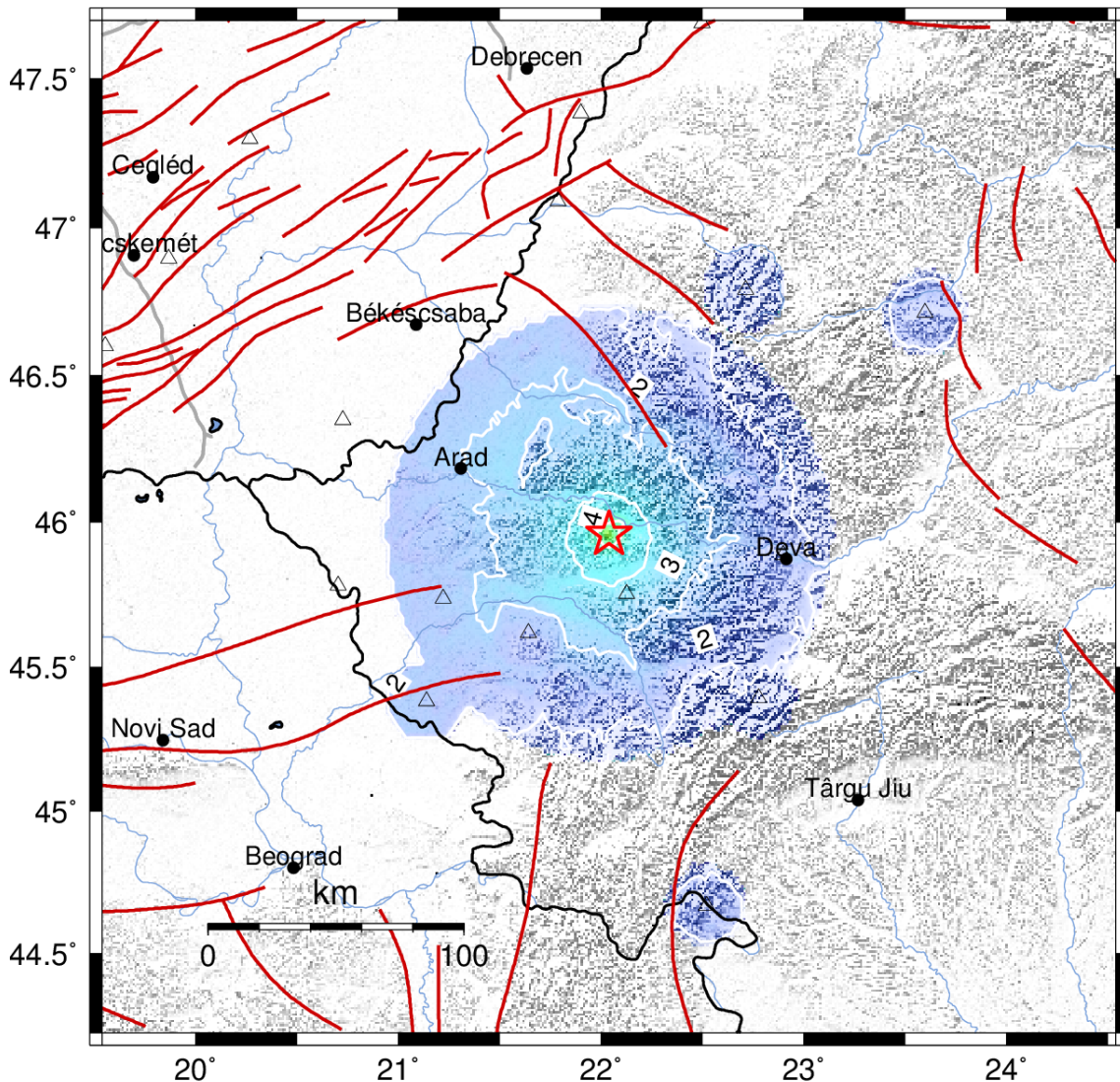
2024-07-16 21:27:47 UTC M 2.2 N46.86 E18.08 Depth: 11.0km ID:grdc2024nxop



ÉREZHTŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s <sup>2</sup> )	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
SEBESSÉG PEAK VEL. (m/s)	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Romania

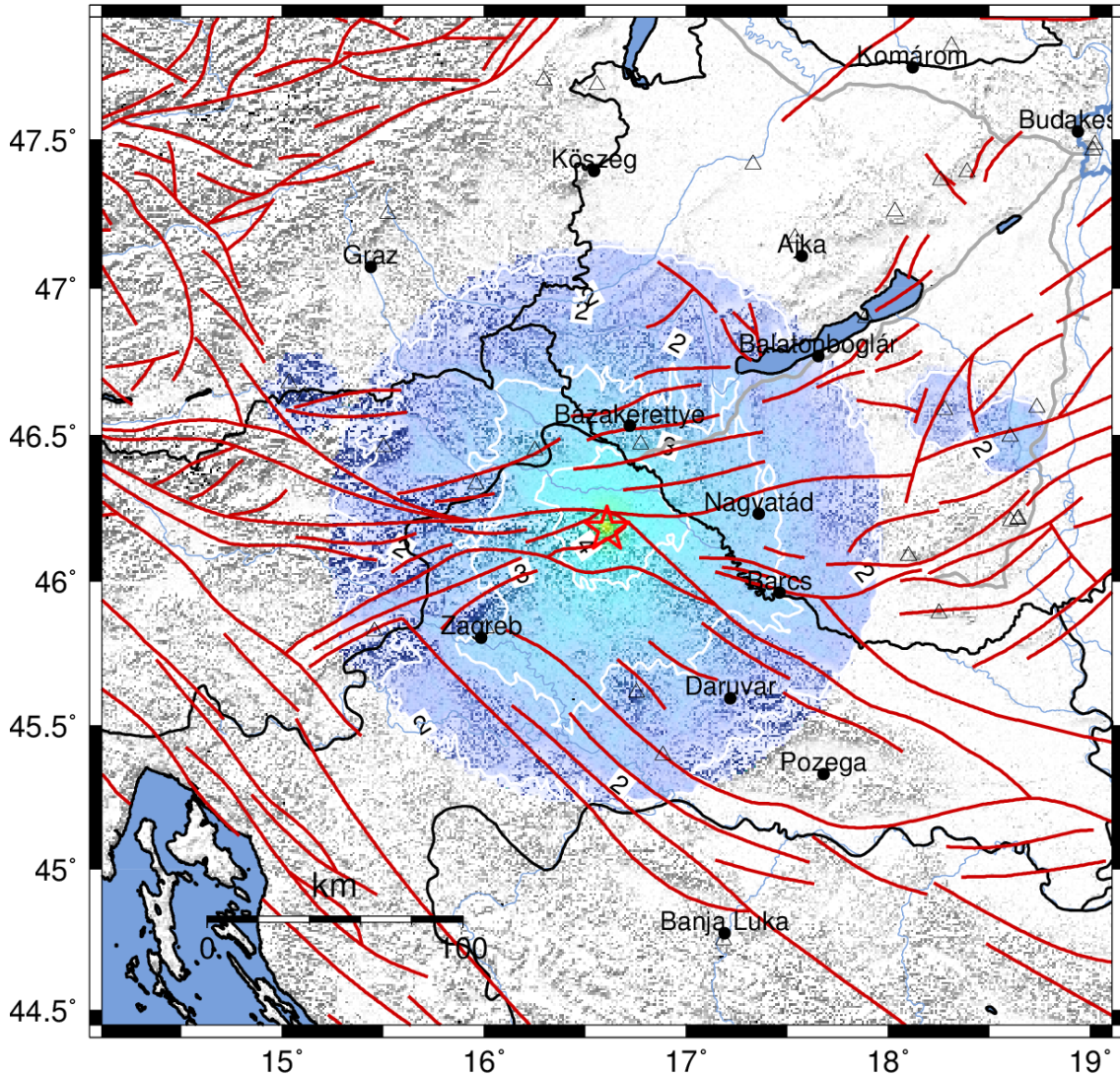
2024-08-10 20:46:01 UTC M 4.5 N45.96 E22.04 Depth: 10.0km ID:grdc2024preu



ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s <sup>2</sup> )	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
SEBESSÉG PEAK VEL. (m/s)	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Croatia

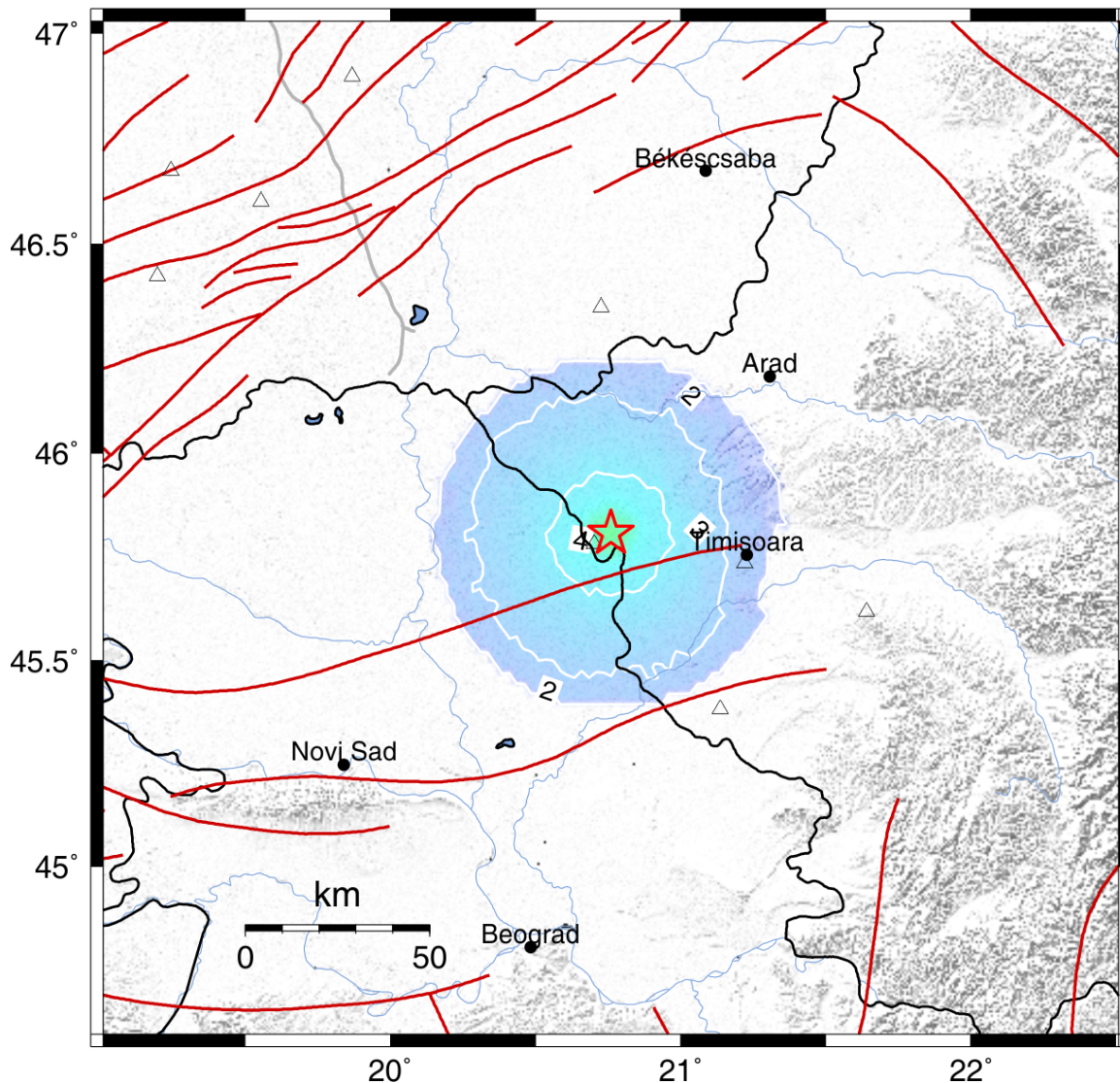
2024-08-13 06:43:05 UTC M 4.5 N46.18 E16.61 Depth: 10.0km ID:grdc2024pvpm



<b>ÉREZHETŐSÉG SHAKING</b>	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
<b>POT. KÁR POT. DAMAGE</b>	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
<b>GYORSULÁS PEAK ACC. (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>SEBESSÉG PEAK VEL. (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY</b>	<b>I</b>	<b>II-III</b>	<b>IV</b>	<b>V</b>	<b>VI</b>	<b>VII</b>	<b>VIII</b>	<b>IX</b>	<b>X+</b>

GeoRisk ShakeMap : Romania

2024-08-22 14:00:40 UTC M 3.4 N45.81 E20.76 Depth: 12.0km ID:grdc2024qmpl

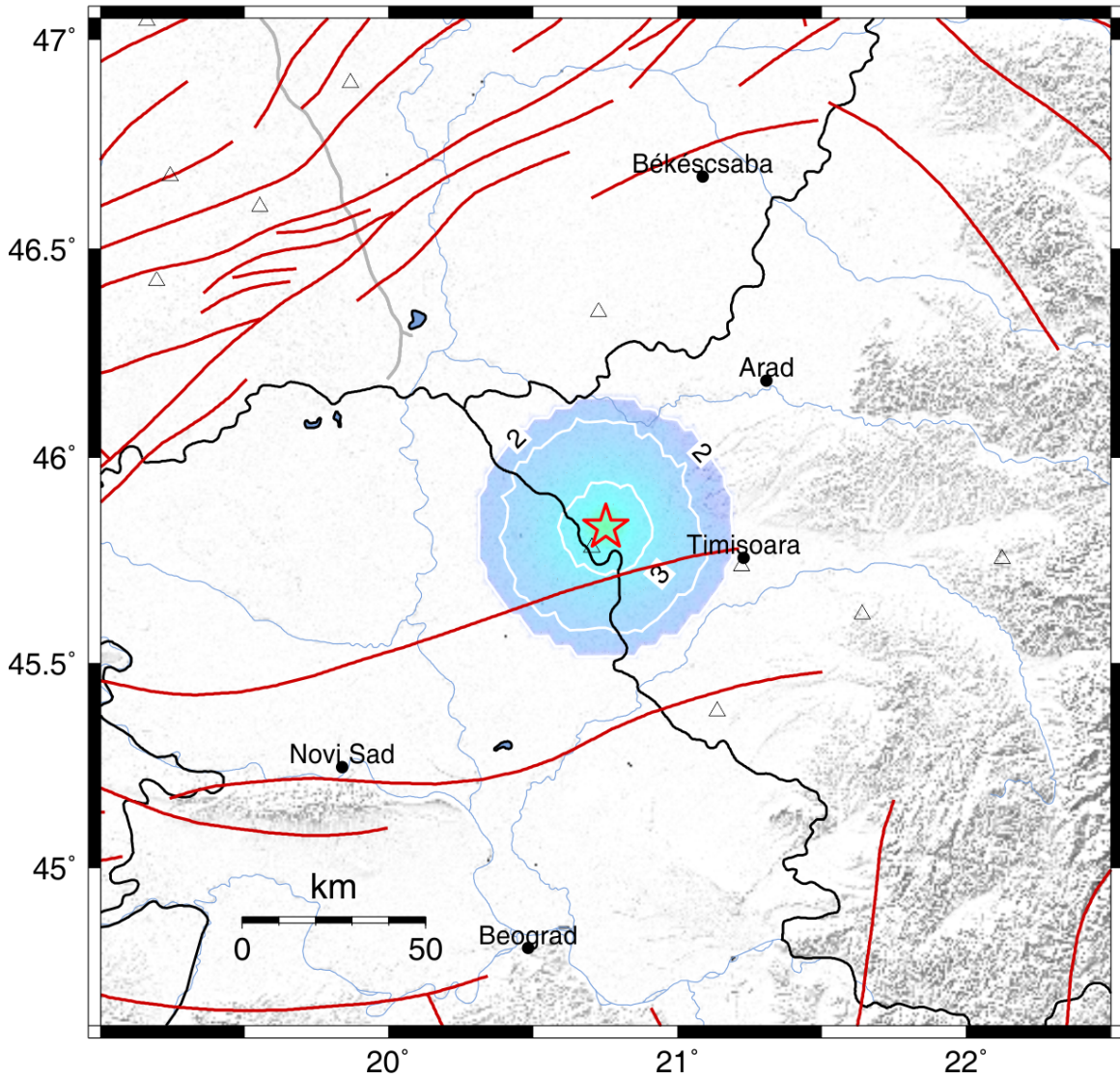


<b>ÉREZHETŐSÉG SHAKING</b>	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
<b>POT. KÁR POT. DAMAGE</b>	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
<b>GYORSULÁS PEAK ACC. (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>SEBESSÉG PEAK VEL. (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY</b>	<b>I</b>	<b>II-III</b>	<b>IV</b>	<b>V</b>	<b>VI</b>	<b>VII</b>	<b>VIII</b>	<b>IX</b>	<b>X+</b>



GeoRisk ShakeMap : Romania

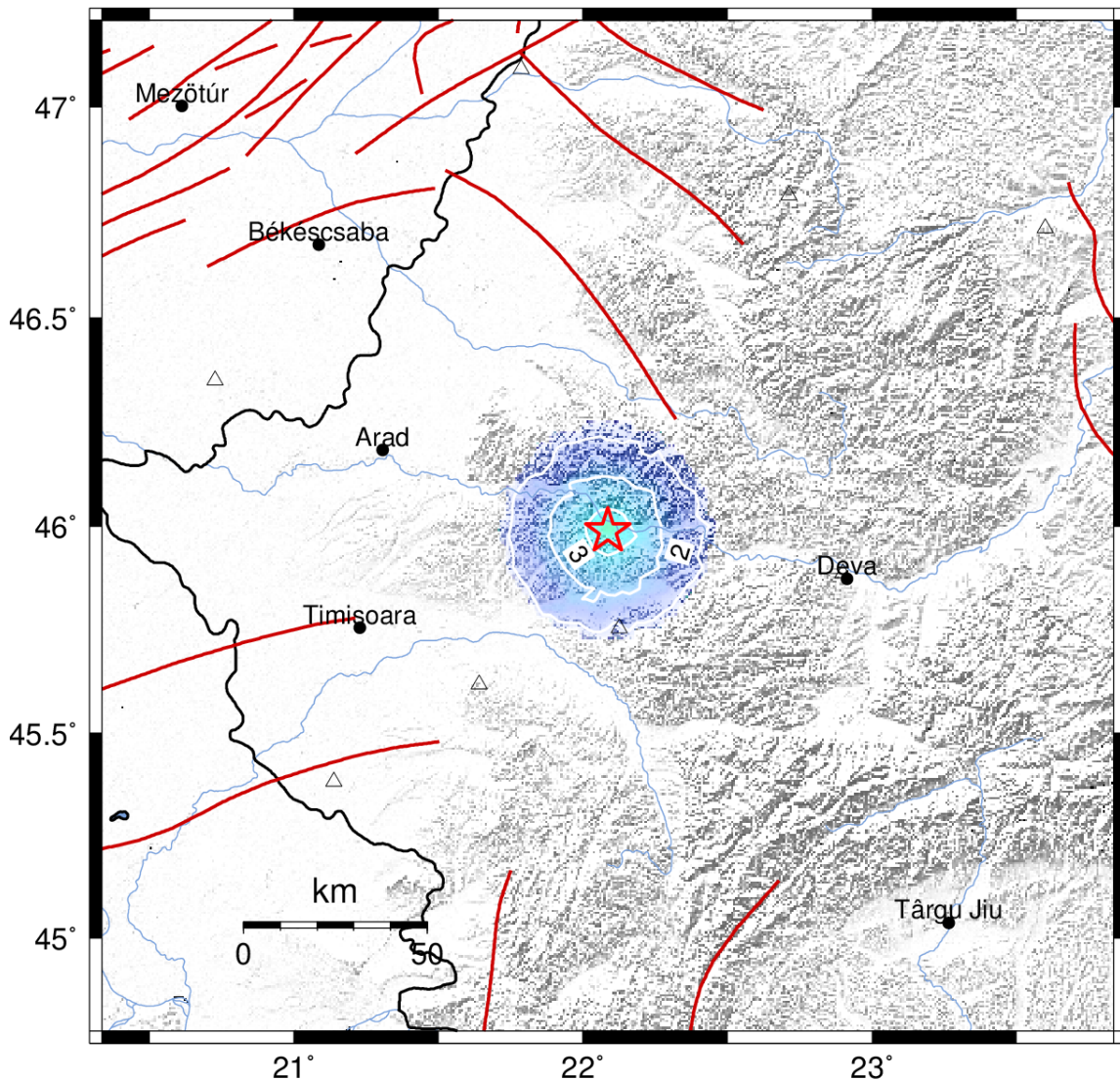
2024-08-31 19:18:01 UTC M 3.1 N45.83 E20.75 Depth: 10.0km ID:grdc2024rdll



<b>ÉREZHETŐSÉG SHAKING</b>	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
<b>POT. KÁR POT. DAMAGE</b>	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
<b>GYORSULÁS PEAK ACC. (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>SEBESSÉG PEAK VEL. (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY</b>	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Romania

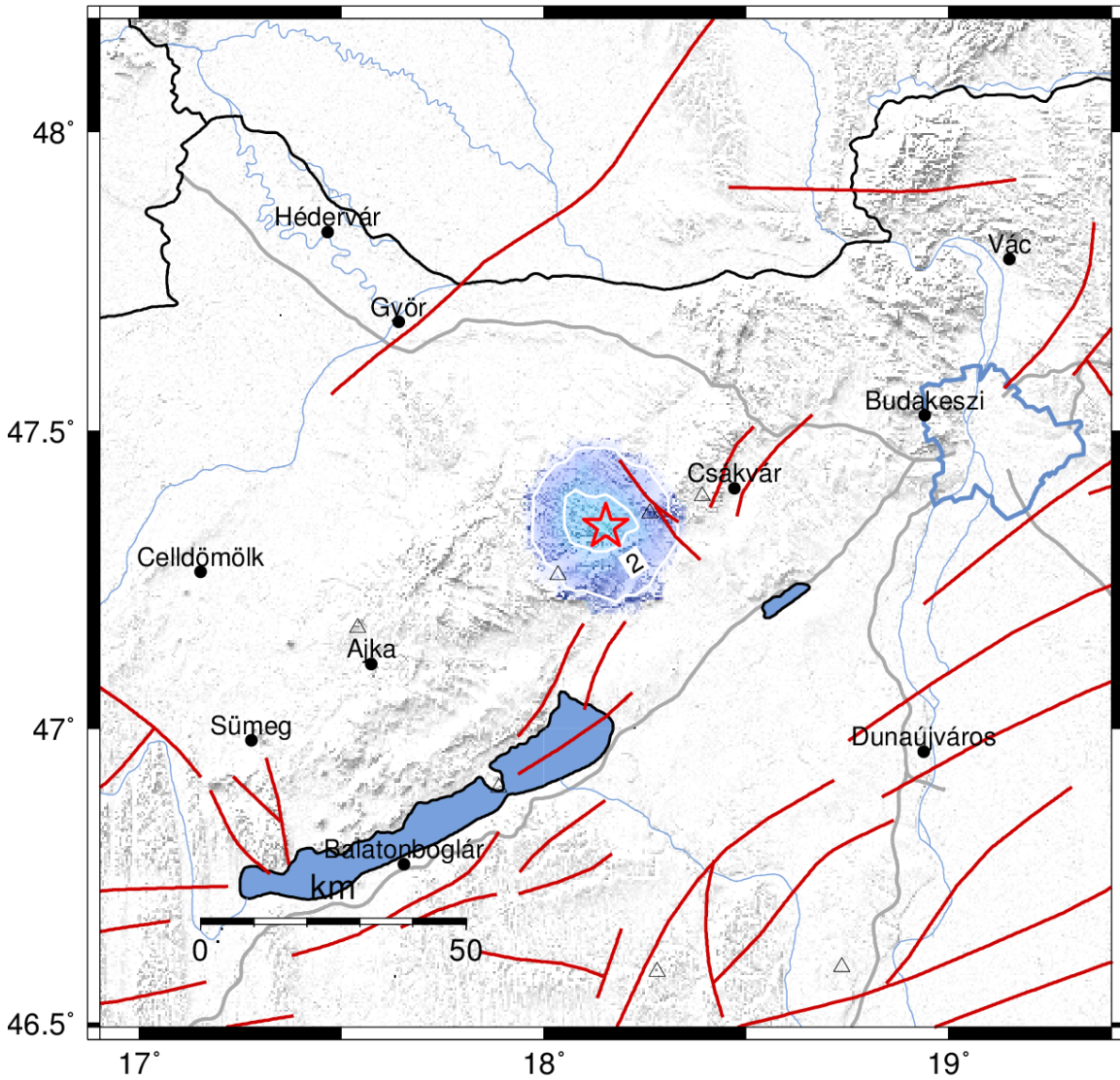
2024-09-04 16:33:24 UTC M 3.1 N45.99 E22.09 Depth: 6.0km ID:grdc2024rkoa



ÉRZEHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s <sup>2</sup> )	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
SEBESSÉG PEAK VEL. (m/s)	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Hungary – Fejér megye

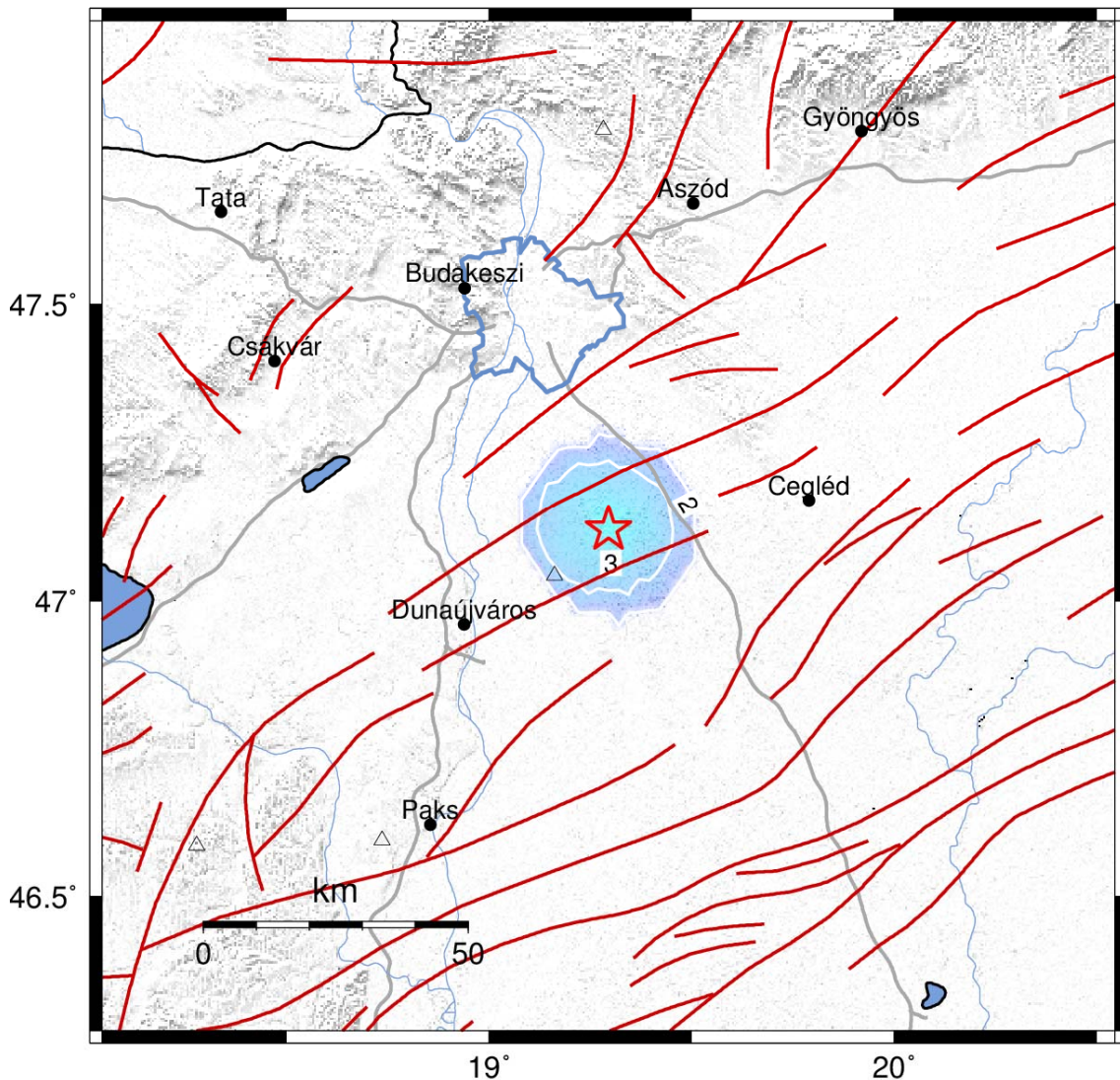
2024-09-06 16:09:29 UTC M 2.3 N47.34 E18.15 Depth: 7.0km ID:grdc2024roeg



ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s <sup>2</sup> )	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
SEBESSÉG PEAK VEL. (m/s)	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

GeoRisk ShakeMap : Hungary – Bacs–Kiskun megye

2024-11-25 15:35:18 UTC M 2.4 N47.12 E19.30 Depth: 0.0km ID:grdc2024xehj



<b>ÉREZHETŐSÉG SHAKING</b>	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
<b>POT. KÁR POT. DAMAGE</b>	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
<b>GYORSULÁS PEAK ACC. (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>SEBESSÉG PEAK VEL. (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>MŰSZERES INTENZITÁS INSTRUMENTAL INTENSITY</b>	I	II-III	IV	V	VI	VII	VIII	IX	X+

\* Ez az esemény robbantás volt / This event was an explosion



## HIVATKOZÁSOK / REFERENCES

- Grünthal, G. (editor), 1998. European Macroseismic Scale 1998. Conseil de L'Europe, Luxembourg, 1998. pp. 99.
- Lee, W.H.K. and J.C. Lahr, 1975. HYPO71 (Revised): A computer program for determining hypocenter, magnitude, and first motion pattern of local earthquakes. U. S. Geological Survey Open-file report 75-311.
- Mónus, P., 1995. Travel time curves and crustal velocity model for the Pannonian basin. MTA GGKI Technical report
- Reasenber, P.A. and D. Oppenheimer, 1985. FPFIT, FPLOT and FPPAGE: Fortran computer programs for calculating and displaying earthquake fault-plane solutions, USGS Open File Report No. 85-739.
- Tóth, L. and P. Mónus, 1997. The micro-seismic monitoring network of the Paks NPP, in: Seismic Safety of the Paks Nuclear Power Plant, Akadémiai Kiadó, Budapest, 1997, pp. 113-121.
- Tóth, L., P. Mónus, T. Zsíros and M. Kiszely, 2002a. A Pannon-medence szeizmicitása, Földtani Közlöny 132/különszám, 327-337
- Tóth, L., P. Mónus, T. Zsíros and M. Kiszely, 2002b. Seismicity in the Pannonian Region - earthquake data, EGU Stephan Mueller Special Publication Series, 3, 9-28
- Tóth L., Mónus P., Bus Z., Győri E., 2008. Seismicity of the Pannonian Basin, In: E.S. Husebye (ed.), Earthquake Monitoring and Seismic Hazard Mitigation in Balkan Countries, Springer Verlag, NATO ARW Series, Vol. 81, p. 97-108.
- Worden C. B., M. C. Gerstenberger; D. A. Rhoades; D. J. Wald, 2012. Probabilistic Relationships between Ground-Motion Parameters and Modified Mercalli Intensity in California, *Bulletin of the Seismological Society of America* (2012) 102 (1): 204–221.



# A MELLÉKLET

## EURÓPAI MAKROSZEIZMIKUS SKÁLA (EMS)

### 1 ☞ **Nem érezhető**

Nem érezhető, még a legkedvezőbb körülmények között sem.

### 2 ☞ **Alig érezhető**

A rezgést csak egy-egy, elsősorban fekvő ember érzi, különösen magas épületek felsőbb emeletein.

### 3 ☞ **Gyenge**

A rezgés gyenge, néhány ember érzi, főleg épületen belül. A fekvő emberek lengést vagy gyenge remegést éreznek.

### 4 ☞ **Széles körben érezhető**

A rengést épületen belül sokan érzik, a szabadban kevesen. Néhány ember felébred. A rezgés mértéke nem ijesztő. Ablakok, ajtók, edények megcsörrennek, felfüggesztett tárgyak lengenek.

### 5 ☞ **Erős**

A rengést épületen belül a legtöbben érzik, a szabadban csak néhányan. Sok alvó ember felébred, néhányan a szabadba menekülnek. Az egész épület remeg, a felfüggesztett tárgyak nagyon lengenek. Tányérok, poharak összekocognak. A rezgés erős, nehéz tárgyak felborulnak. Ajtók, ablakok kinyílnak vagy bezáródnak. Néhány esetben az ablaküvegek betörhetnek. Néhány vályog- és téglapépület falában hajszálrepedések keletkezhetnek, kisebb vakolatdarabok lehullhatnak.

### 6 ☞ **Kiseb károk okozó**

Épületen belül szinte mindenki, szabadban sokan érzik. Épületben tartózkodók közül sokan megijednek, és a szabadba menekülnek. Kiseb tárgyak leesnek. Hagyományos épületek közül sokban keletkezik kisebb kár, hajszálrepedés a vakolatban, kisebb vakolatdarabok lehullanak.

### 7 ☞ **Károk okozó**

A legtöbb ember megrémül, és a szabadba menekül. Bútorok elmozdulnak, a polcokról sok tárgy leesik. Sok hagyományos épület szenved mérsékelt sérülést: kisebb repedések keletkeznek a falakban, kémények ledőlnek.

### 8 ☞ **Súlyos károk okozó**

Bútorok felborulnak. Sok hagyományos épület megsérül: kémények ledőlnek, a falakban nagy repedések keletkeznek, néhány épület részlegesen összedől.

### 9 ☞ **Pusztító**

Oszlopok, műemlékek ledőlnek vagy elferdülnek. Sok hagyományos épület részlegesen, néhány teljesen rombadól.

### 10 ☞ **Nagyon pusztító**

Sok hagyományos épület összedől.

### 11 ☞ **Elsőpró**

A legtöbb épület összedől.

### 12 ☞ **Teljesen elsőpró**

Gyakorlatilag minden építmény megsemmisül.

(Részletesen lásd: Grünthal, 1998)



## MŰSZERES INTENZITÁS SKÁLA (MIS)

A műszeres intenzitást (MIS) a rengés hipocentrum adataiból számítjuk, figyelembe véve az egyes állomásokon mért talajmozgás amplitúdókat, a távolság szerinti csillapodást és a lokális geológiai hatást (Vs30).

<b>ÉREZHETŐSÉG</b>	nem érezhető	gyenge	enyhe	mérsékelt	erős	nagyon erős	súlyos	nagyon súlyos	különösen súlyos
<b>POTENCIÁLIS KÁR</b>	nincs	nincs	nincs	nagyon csekély	csekély	mérsékelt	mérsékelt nagy	nagy	nagyon nagy
<b>GYORSULÁS (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>SEBESSÉG (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>MŰSZERES INTENZITÁS</b>	<b>I</b>	<b>II-III</b>	<b>IV</b>	<b>V</b>	<b>VI</b>	<b>VII</b>	<b>VIII</b>	<b>IX</b>	<b>X+</b>

### Forrás:

C. B. Worden; M. C. Gerstenberger; D. A. Rhoades; D. J. Wald:

Probabilistic Relationships between Ground-Motion Parameters and Modified Mercalli Intensity in California

*Bulletin of the Seismological Society of America* (2012) 102 (1): 204–221.

# APPENDIX A

## EUROPEAN MACROSEISMIC SCALE (EMS)

**1** ☞ **Not felt**

Not felt, even the most favourable circumstances.

**2** ☞ **Scarcely felt**

Vibration is felt only by individual people at rest in houses, especially on upper floors of buildings.

**3** ☞ **Weak**

The vibration is weak and is felt indoors by a few people. People at rest feel a swaying or light trembling.

**4** ☞ **Largely observed**

The earthquake is felt indoors by many people, outdoors by very few. A few people are awakened. The level of vibration is not frightening. Windows, doors and dishes rattle. Hanging objects swing.

**5** ☞ **Strong**

The earthquake is felt indoors by most, outdoors by few. Many sleeping people awake. A few run outdoors. Buildings tremble throughout. Hanging objects swing considerably. China and glasses clatter together. The vibration is strong. Top heavy objects topple over. Doors and windows swing open or shut. Minor damage e.g. fine cracks may occur in ordinary buildings.

**6** ☞ **Slightly damaging**

Felt by most indoors and many outdoors. Many people in buildings are frightened and run outdoors. Small objects fall. Slight damage to many ordinary buildings e.g. fine cracks in plaster and small pieces of plaster fall.

**7** ☞ **Damaging**

Most people are frightened and run outdoors. Furniture is shifted and objects fall from shelves in large numbers. Many ordinary buildings suffer moderate damage: small cracks in walls, partial collapse of chimneys.

**8** ☞ **Heavily damaging**

Furniture may be overturned. Many ordinary buildings suffer damage: chimneys fall, large cracks appear in walls and few buildings may partially collapse.

**9** ☞ **Destructive**

Monuments and columns fall or are twisted. Many ordinary buildings partially collapse and few collapse completely.

**10** ☞ **Very destructive**

Many ordinary buildings collapse.

**11** ☞ **Devastating**

Most ordinary buildings collapse.

**12** ☞ **Completely devastating**

Practically all structures above and below ground are heavily damaged or destroyed.

(For details see Grünthal, 1998)

## INSTRUMENTAL INTENSITY SCALE (IIS)

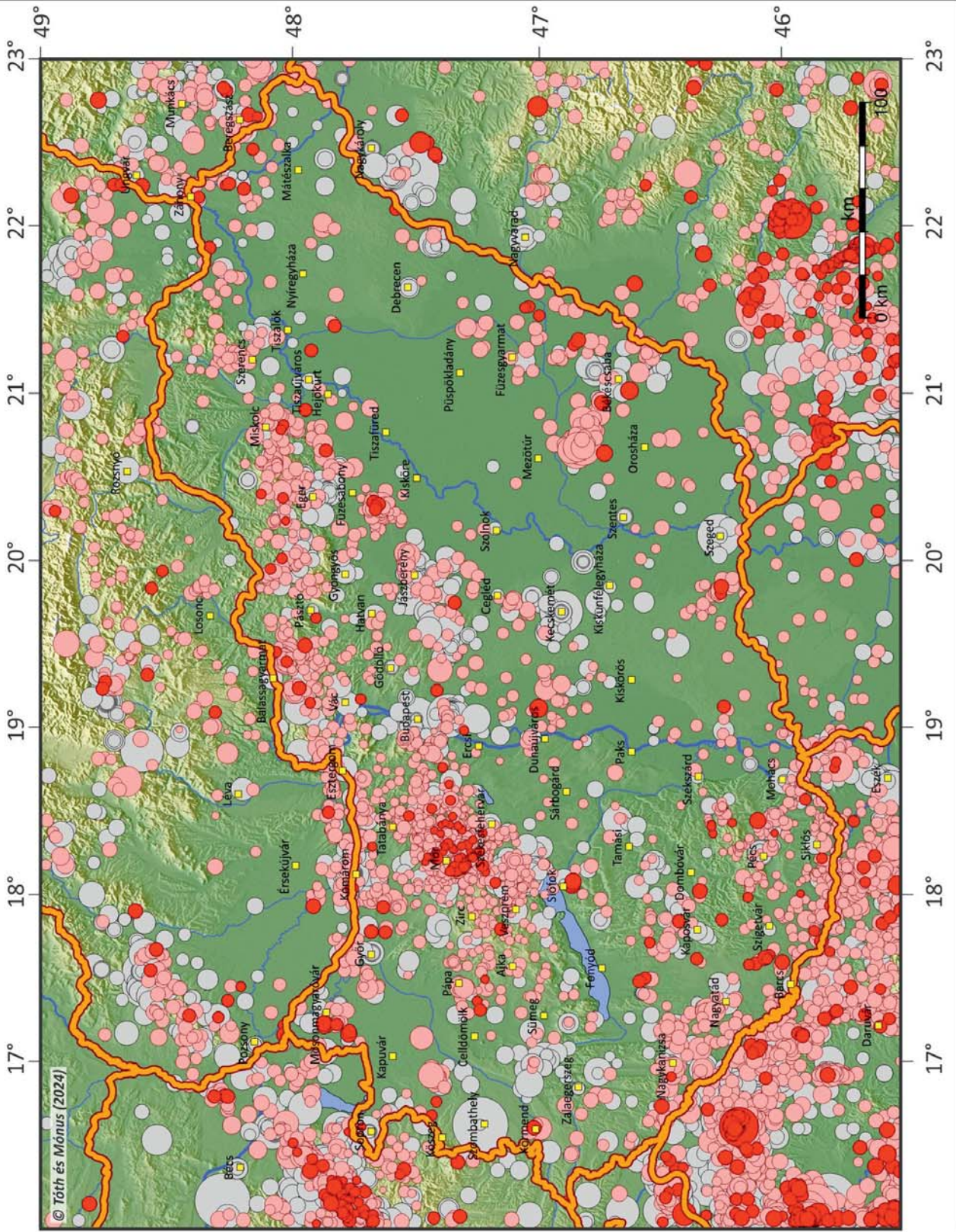
The *instrumental intensity (IIS)* is calculated from the data of the hypocentre of the earthquake, taking into account the amplitudes of soil movement measured at each station, the attenuation by distance, and the local geological effects ( $V_{s30}$ ).

<b>PERCEIVED SHAKING</b>	not felt	weak	light	moderate	strong	very strong	severe	violent	extreme
<b>POTENTIAL DAMAGE</b>	none	none	none	very light	light	moderate	moderate heavy	heavy	very heavy
<b>PEAK ACC. (m/s<sup>2</sup>)</b>	< 0.017	0.017-0.14	0.14-0.39	0.39-0.92	0.92-1.8	1.8-3.4	3.4-6.5	6.5-12.4	>12.4
<b>PEAK VEL. (m/s)</b>	< 0.001	0.001-0.011	0.011-0.034	0.034-0.081	0.081-0.16	0.16-0.31	0.31-0.60	0.60-1.16	>1.16
<b>INSTRUMENTAL INTENSITY</b>	I	II-III	IV	V	VI	VII	VIII	IX	X+

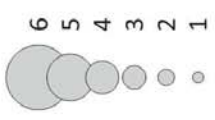
### Reference:

C. B. Worden; M. C. Gerstenberger; D. A. Rhoades; D. J. Wald:  
 Probabilistic Relationships between Ground-Motion Parameters and Modified Mercalli Intensity in California  
*Bulletin of the Seismological Society of America* (2012) 102 (1): 204–221.

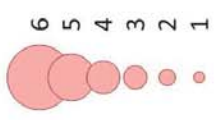
# Magyarországi földrengések / Seismicity in Hungary



456-1994



1995-2023



2024

