



Magyarországi földrengések évkönyve
Hungarian Earthquake Bulletin
2023

Tóth L., Mónus P., Kiszely M.



GeoRisk

Földrengés Mérnöki Iroda ↗ Earthquake Engineering

Budapest



MAGYARORSZÁGI FÖLDRENGÉSEK ÉVKÖNYVE

HUNGARIAN EARTHQUAKE BULLETIN

2023

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Back cover page:

Earthquakes in Hungary

Historical earthquakes: 456-1994 (grey)

Instrumental earthquakes: 1995-2022 (pink)

Instrumental earthquakes: 2023 (red)

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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 all 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

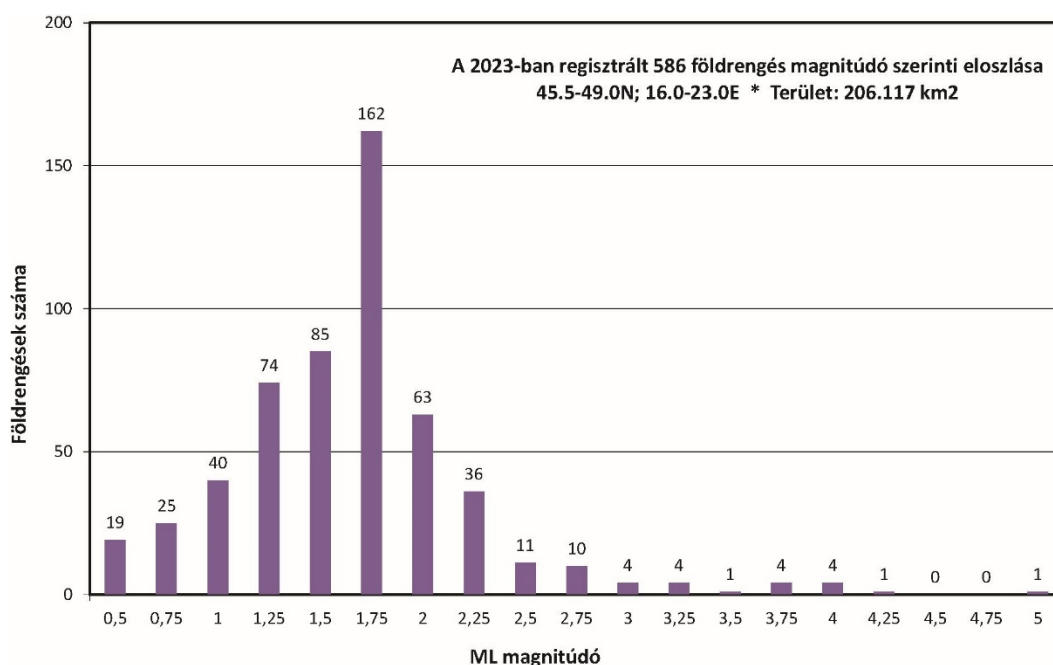
A 2023. év szeizmikus szempontból összességében átlagosan aktív időszaknak tekinthető Magyarországon. Az érezhető rengések száma az átlagosnál nagyobb volt, 22 rengés volt érezhető Magyarországon, ezek közül négy epicentruma kívül esett az évkönyvünk földrajzi ablakán. Az év folyamán 1916 szeizmikus eseményről szereztünk tudomást a 45.5-49.0 É szélességi és 16.0-23.0 K hosszúsági koordináták által határolt területen, amelyek közül 586 volt természetes eredetű földrengés, 1330 pedig robbantás.

Az észlelt földrengések mérete a $0.0 \leq M_L \leq 5.1$ lokális magnitúdó tartományba esett. A fészekmélység minden esetben sekély ($0 - 37$ km), jellemzően $6 - 12$ km közötti.

A kőbányarobbantások szeizmikus magnitúdói a $0.3 \leq M_L \leq 2.4$ tartományban voltak, a fészekmélységük pedig minden esetben nulla.

Az évben összesen 22 olyan jelentős földrengés volt, melynek magnitúdója $M_L \geq 3.0$ és/vagy a lakosság is érzékelte.

A legnagyobb műszeresen meghatározott magnitúdójú rengés $5.1 M_L$, míg a legnagyobb földrengés intenzitás, mely Magyarország területén az év folyamán előfordult 5-6 MIS fokozatú volt. Néhány esetben kisebb épületkárok 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 Bécsei-medencében. Közel száz rengés volt Békés környékén, melyek közül tucatnyi érezhető volt és kisebb károk is keletkeztek. Felmerült a gyanú, hogy a földrengésraj kipattanásához köze van a környéken végzett rétegrepesztéseknek. Négy olyan nagyobb rengés is volt, melynek epicentruma kívül esett az évkönyv földrajzi ablakán, de érezhető volt, és/vagy károkat is okozott Magyarországon.

1.

SUMMARY

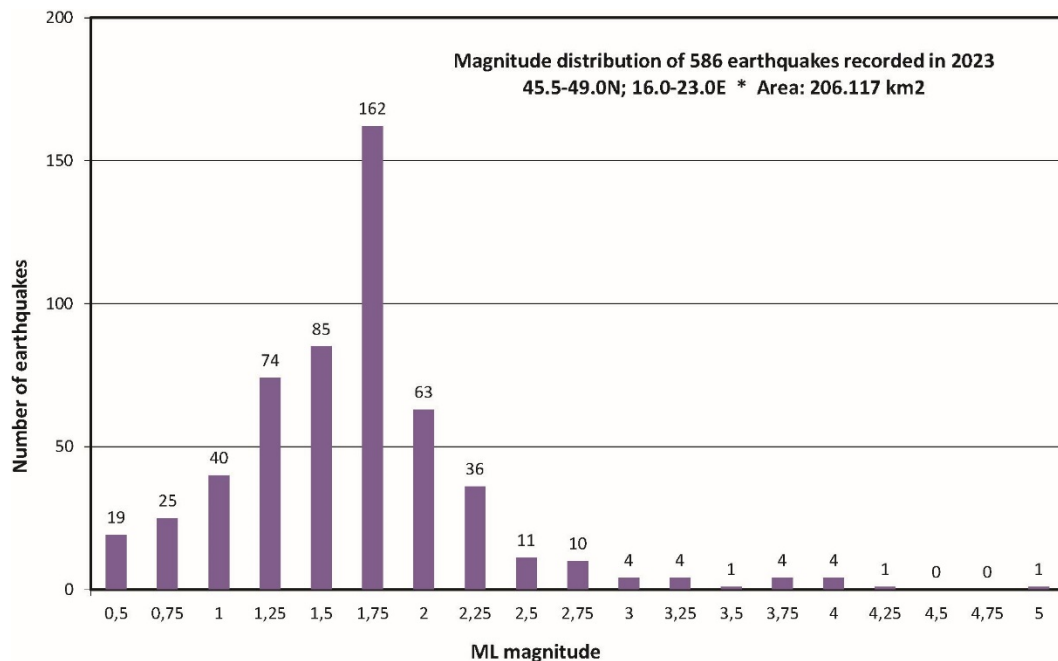
The year 2023 can be considered as an average active period from a seismic point of view in Hungary. The number of felt earthquakes was higher than the average, there were 22 earthquakes felt in Hungary. Out of the 1330 seismic events located within the area bounded by latitudes 45.5-49.0 N and longitudes 16.0-23.0 E, 586 were identified as natural earthquakes and 1330 were known as explosions, mostly quarry blasts.

The magnitude of the earthquakes were in the range of $0.0 \leq M_L \leq 5.1$. Each of the earthquakes had shallow (0 – 37 km) focal depth, typically in the range of 6 – 12 km.

The seismic magnitude of the quarry blasts were in the range of $0.3 \leq M_L < 2.4$ with zero focal depth.

There were a total of 22 significant earthquakes in the year of magnitude $M_L \geq 3.0$ and/or that were also felt by the population.

The highest magnitude assigned to a shock was 5.1 M_L while the highest intensity reported during the year was 5-6 IIS. In some cases, minor 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 nearly a hundred earthquakes in the Békés area, a dozen of which were felt and caused minor damage. Suspicions arose that the bursting of the earthquake swarm had something to do with the fracturing carried out in the area. There were also four larger earthquakes whose epicenter was outside the geographical window of the bulletin, but which were felt and/or caused damage in Hungary.

2.

FÖLDRENGÉS MEGFIGYELŐ ÁLLOMÁSOK MAGYARORSZÁGON

2023. évben 31 állandó és elérhető szeizmográf állomás működött Magyarországon, melyek közül öt lyukszeizmográf, huszonhat felszíni állomás. Az állomások közül tizenhatot a GeoRisk Földrengés Mérnöki Iroda Kft., tizenötöt pedig a Kövesligethy Radó Szeizmológiai Obszervatórium (ELKH) üzemeltetett (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 fúróluk aljára van telepítve. A felszíni aknában elhelyezett digitalizáló, adatgyűjtő és kommunikációs egység Nanometrics Centaur CTR-3.

A PKB1 állomáson párhuzamos mérés folyik a 150 m-es fúrólukban és a felszínen. Güralp Radian Borehole szélessávú lyukszeizmométer és Güralp CMG-40T felszíni szeizmométer csatlakozik a Minimus adatgyűjtőhöz.

Mindegyik állomás internet összeköttetéssel rendelkezik.

Szélessávú felszíni állomások

2022-ben 16 szélessávú felszíni szeizmológiai állomás működött (ABAH, AMBH, BEHE, BSZH, BUD, CSKK, EGYH, KOVH, LTVH, MORH, MPLH, PBUD, PSZ, SOP, TIH, TRPA). Az állomások nagy részénél az érzékelő 3 komponenses szélessávú Streckeisen STS-2, illetve STS-2.5 szeizmométer; az érzékelő jele EarthData PS-6-24 digitalizáló egységen át jut a SeisComp szoftverrel felszerelt adatgyűjtő számítógépre. Az AMBH, CSKK, EGYH, LTVH és TIH állomásokon Güralp CMG-3T szeizmométer és Güralp CMG-DM24S3-EAM adatgyűjtő egység található. A PBUD állomáson az érzékelő 3 komponenses szélessávú Nanometrics Trillium Posthole szeizmométer, a digitalizáló, adatgyűjtő és kommunikációs egység Nanometrics Centaur CTR-3.

Mindegyik állomás internet összeköttetéssel rendelkezik.

Rövidperiódusú felszíni állomások

A 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.

Mindegyik állomás internet összeköttetéssel rendelkezik.

GeoRisk adatközpont (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 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 oldalon.

Átlagos zaj- (talajnyugtalanóság) viszonyokat feltételezve a magyarországi 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.

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 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).

2.

SEISMOGRAPH STATIONS IN HUNGARY

In 2023, there were 31 permanent seismograph stations running and available in Hungary: five borehole stations and twenty six surface stations. Sixteen of the permanent stations were operated by GeoRisk Earthquake Engineering Ltd. and fifteen of them by Kövesligethy Radó Seismological Observatory (ELKH). (Table 2.1 and Fig. 2.1)

Broadband borehole stations

During the year, five modern broadband borehole stations were in operation (PKB1, PKB2, PKB3, PKB4, PKB5). Nanometrics Trillium Posthole 3-component broadband seismometers are installed in the bottom of a 150 m deep steel cased borehole at the PKB2, PKB3, PKB4, PKB5 stations. Nanometrics Centaur CTR-3 digitizers and acquisition systems, along with the communication units are arranged in a small pit.

At PKB1 station, parallel measurements are taking place in the 150 m borehole and on the surface. Güralp Radian Borehole broadband sensor in the hole and Güralp CMG-40T on the surface are connected to the Minimus data acquisition unit.

Each station has a connection to the Internet.

Broadband surface stations

Sixteen broadband surface stations (ABAH, AMBH, BEHE, BSZH, BUD, CSKK, EGYH, KOVH, LTVH, MORH, MPLH, PBUD, PSZ, SOP, TIH, TRPA) were running during the year. Most of these stations have Streckeisen STS-2 or STS-2.5 very broadband seismometers as sensors and EarthData PS-6-24 digitizer. Linux PC's with SeisComP software have been used as data acquisition systems. Five stations (AMBH, CSKK, EGYH, LTVH and TIH) are equipped with Güralp CMG-3T seismometer and Güralp CMG-DM24-S3-EAM data acquisition module. Station PBUD has 3C Nanometrics Trillium Posthole seismometer and Nanometrics Centaur CTR-3 digitizer and data acquisition system.

Each station has a connection to the Internet.

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.

Each station has a connection to the Internet.

GeoRisk Data Centre (www.foldrengek.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.

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.

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

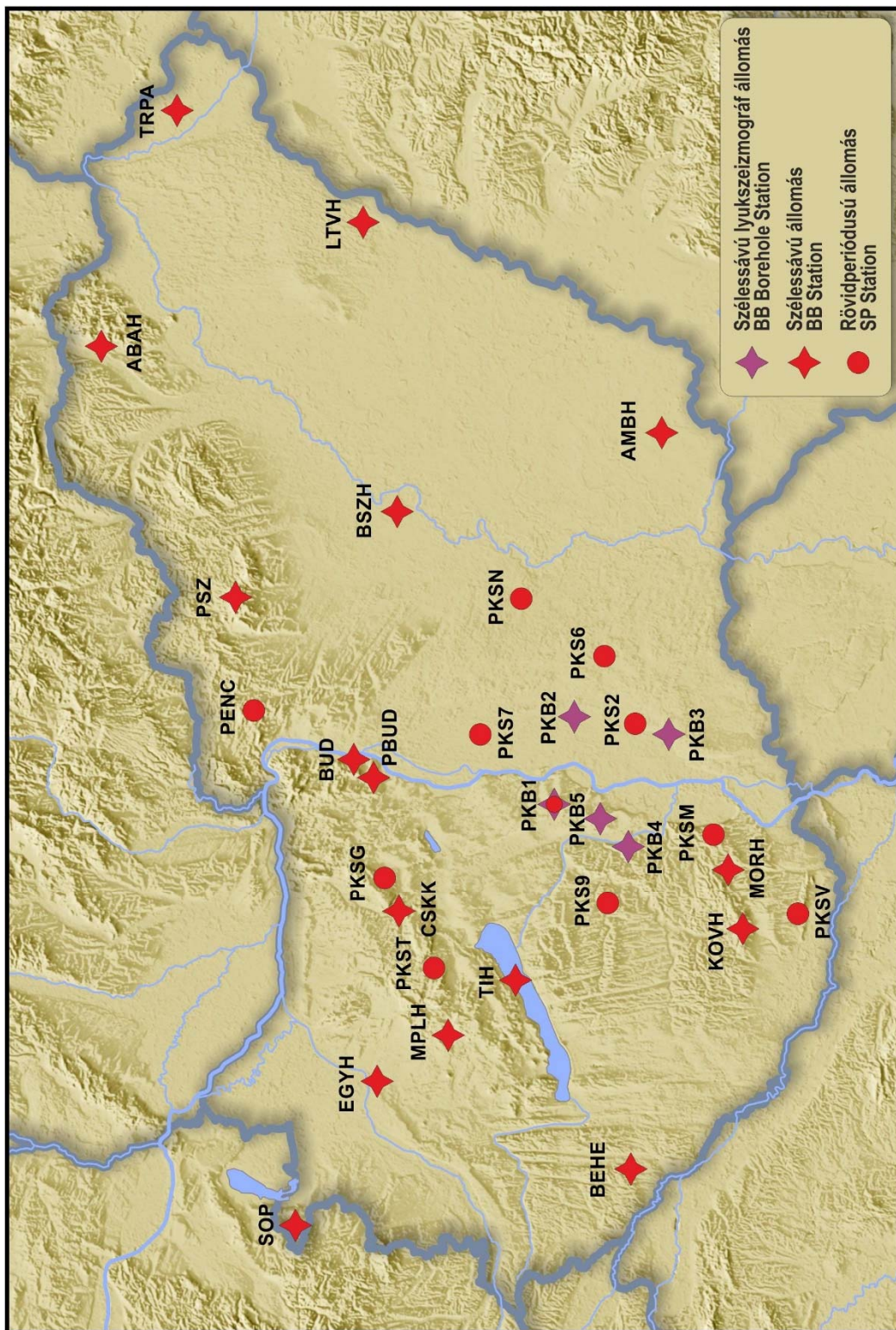
2.1. Táblázat Magyarországi szeizmológiai állomások, műszerek és alapkőzet

Table 2.1. Seismic stations in Hungary, 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)	Szerv. Org. (4)
ABAH Abaújkér	48.2961	21.2395	173	kőzet rock	3C BB	STS-2.5	CMG-DM24S3- EAM	KRSZO
AMBH Ambrózfalva	46.3501	20.7258	91	üledék alluvium	3C BB	CMG-3T	CMG-DM24S3- EAM	KRSZO
BEHE Becsehely	46.4704	16.7757	298	üledék alluvium	3C BB	STS-2	PS-6-24+ SeisComP PC	KRSZO
BSZH Besenyszög	47.2996	20.2670	82	üledék alluvium	3C BB	STS-2.5	PS-6-24 + SeisComP PC	KRSZO
BUD Budapest	47.4836	19.0239	196	dolomit dolomite	3C BB	STS-2	PS-6-24+ SeisComP PC	KRSZO
CSKK Csókakő	47.3631	18.2605	319	dolomit dolomite	3C BB	CMG-3T	CMG-DM24S3- EAM	KRSZO
EGYH Egyházaskesző	47.4171	17.3318	225	kőzet rock	3C BB	CMG-3T	CMG-DM24S3- EAM	KRSZO
KOVH Kővágótöttös	46.0883	18.0999	270	mészkeő limestone	3C BB	STS-2.5	PS-6-24 + SeisComP PC	KRSZO
LTVH Létavértes	47.3849	21.9007	121	homok sand	3C BB	CMG-3T	CMG-DM24S3- EAM	KRSZO
MPLH Magyarpolány	47.1702	17.5395	307	kőzet rock	3C BB	STS-2.5	PS-6-24 + SeisComP PC	KRSZO
MORH Mórág	46.2149	18.6435	135	gránit granite	3C BB	STS-2	PS-6-24 + SeisComP PC	KRSZO
PBUD Budapest	47.4656	19.0124	130	üledék alluvium	3C BB	TC20-PH2	CTR-3	GR
PENC Penc	47.7905	19.2817	250	üledék alluvium	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PKS2 Kecel	46.4920	19.2131	106	homok sand	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PKB1 Előszállás	46.7843	18.7922	178	üledék alluvium	3C BB	RB-TR1301 and CMG-40T	Minimus GFOSU	GR
PKB2 Akasztó	46.6744	19.2419	92	üledék alluvium	3C BB	TC20-PH2	CTR-3	GR
PKB3 Császártöltés	46.4238	19.1949	110	üledék alluvium	3C BB	TC20-PH2	CTR-3	GR
PKB4 Kölesd	46.4963	18.6038	172	üledék alluvium	3C BB	TC20-PH2	CTR-3	GR
PKB5 Pusztahencse	46.5950	18.7356	184	üledék alluvium	3C BB	TC20-PH2	CTR-3	GR
PKS6 Bócsa	46.5998	19.5645	120	homok sand	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PKS7 Kunszentmiklós	47.0473	19.1609	95	agyag mud	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PKS9 Tamási	46.5870	18.2789	240	löss loess	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PKSG Gánt	47.3918	18.3907	200	dolomit dolomite	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PKSM Mórág	46.2119	18.6413	170	gránit granite	3C SP	CMG-40T	CMG-DM24S3- EAM	GR

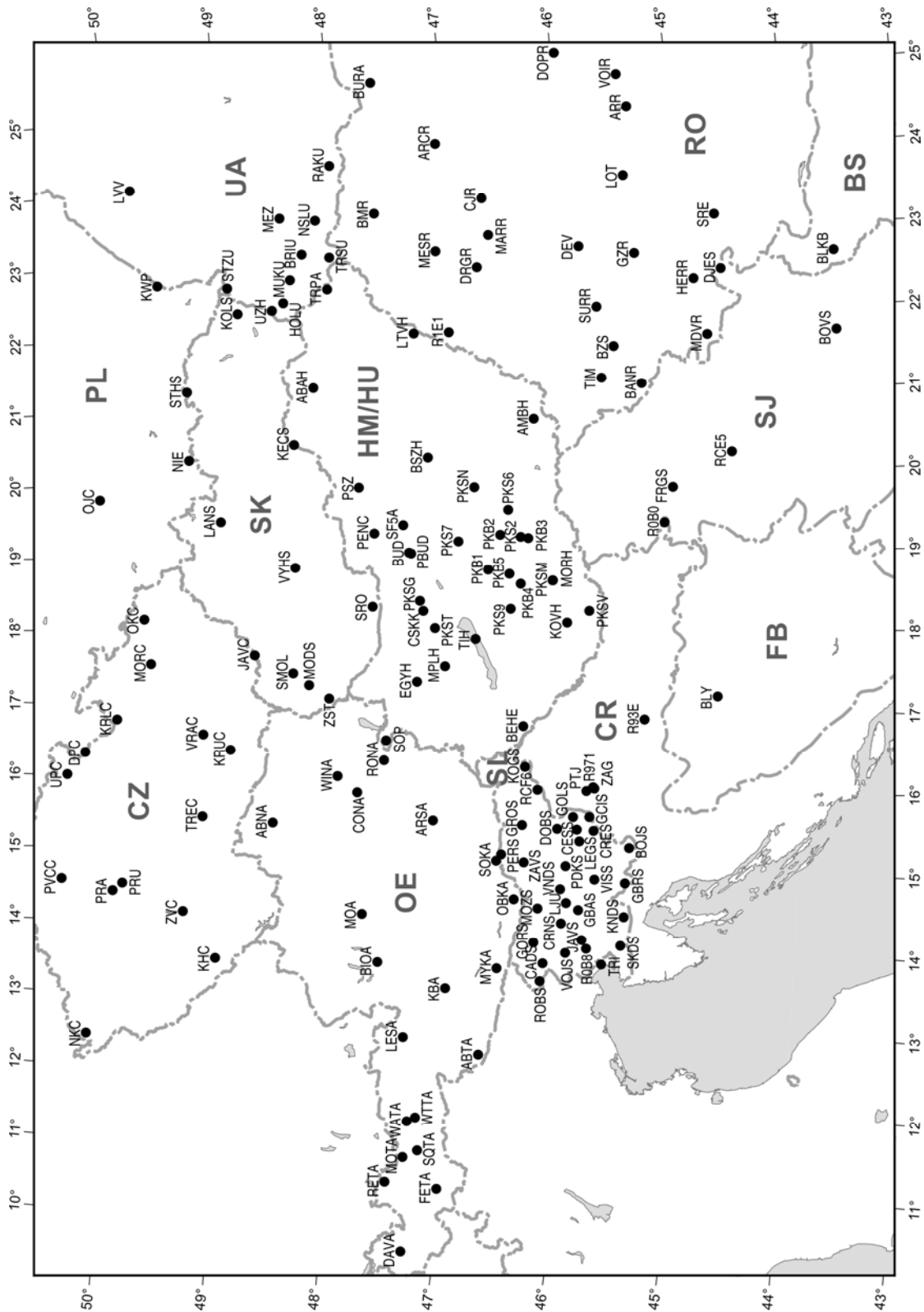
Kód Helység Code Location	Szélesség Latitude (N)	Hosszúság Longitude (E)	Magasság Elevation (m)	Alapkőzet Foundation	Állomás típusa Station type (1)	Érzékelő típusa Sensor type (2)	Adatgyűjtő típusa Recording equipment (3)	Szerv. Org. (4)
PKSN Nyárlőrinc	46.8970	19.8667	110	homok sand	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PKST Tés	47.2590	18.0343	473	dolomit dolomite	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PKSV Villány	45.8885	18.2521	420	mészkeő limestone	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
PSZ Piszkéstető	47.9184	19.8944	940	andezit andesite	3C BB	STS-2	PS-6-24 + SeisComp PC	GEOFON /KRSZO
SOP Sopron	47.6833	16.5583	260	gneisz gneiss	3C BB	STS-2	PS-6-24 + SeisComp PC	KRSZO
TIH Tihany	46.9001	17.8877	183	kőzet rock	3C BB	CMG-3T	CMG-DM24S3- EAM	KRSZO
TRPA Tarpa	48.1304	22.5391	113	andezit andesite	3C BB	STS-2	PS-6-24 + SeisComp PC	KRSZO

- (1) 3C – 3 komponenses szeizmométer / three component seismometer
 SP – rövid periódusú szeizmométer / short period seismometer
 BB – széles sávú szeizmométer / broad band seismometer
- (2) STS-2 / STS-2.5 – Streckeisen széles sávú szeizmométer / Streckeisen broadband seismometer
 RB-TR1301 – Güralp Radian lyukszeizmométer / Güralp Radian Borehole seismometer
 CMG-40T – Güralp rövidperiódusú szeizmométer / Güralp short period seismometer
 CMG-3T – Güralp széles sávú szeizmométer / Güralp broad band seismometer
 TC20-PH2 – Nanometrics Trillium széles sávú lyukszeizmométer /
 Nanometrics Trillium Compact Posthole broadband seismometer
- (3) PS-6-24 – Earth Data digitalizáló / Earth Data digitizer
 CMG-DM24S3-EAM – Güralp adatgyűjtő / Güralp data acquisition module
 Minimus GFOSU – Güralp Minimus 6 csatornás optikai felszíni egység / Güralp Fiber Optic Surface Unit 6Ch
 SeisComp – GEOFON Seismological Communication Processor
 CTR-3 – Nanometrics Centaur adatgyűjtő / Nanometrics Centaur data acquisition module
- (4) KRSZO – Köveligethy Radó Szeizmológiai Observatórium / Köveligethy Radó Seismological Observatory
 GR – GeoRisk Földrengés Mérnöki Iroda Kft. / GeoRisk Earthquake Engineering Ltd.
 GEOFON – GEOFON Program GFZ Potsdam / GEOFON Program GFZ Potsdam



2.1. ábra Szeizmológiai állomások Magyarországon 2023-ban (részletek: 2.1. Táblázat)

Figure 2.1. Seismograph stations in Hungary in 2023 (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

Hálózat kódja* Network code*	Az üzemeltető hálózat Operating 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 fészekparaméterek 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 fészekparaméterek 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 (v_p)</i> <i>[km/s]</i>	<i>Mélység</i> <i>[km]</i>	<i>Vastagság</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	∞	

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 (v_P)</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	∞	

FÖLDRENGÉSEK LISTÁJA / LIST OF EARTHQUAKES

Nap	Kipattanási idő UTC óó pp mp	Földrajzi koordináták Lat Long	Mélys. (km)	ML	I _{MAX} (MIS)	Helyszín
Day	Origin time UTC hr mn sec	Geographic coordinates Lat Long	Depth (km)	ML	I _{MAX} (IIS)	Locality or Region
JANUÁR / JANUARY, 2023						
01	8:03:38.8	46.004N 20.946E	10	2.6	-	Romania
01	8:38:12.8	45.827N 16.937E	18	1.9	-	Croatia
01	15:57:55.4	45.839N 16.929E	19	2.0	-	Croatia
01	23:11:07.3	45.970N 18.332E	1	0.5	-	Kisherend
03	10:47:07.2	45.753N 20.670E	14	2.1	-	Serbia
03	19:27:33.8	47.766N 18.154E	16	1.3	-	Komárom
04	23:42:13.7	45.910N 16.010E	9	1.9	-	Croatia
05	5:12:32.4	45.765N 18.764E	4	3.8	4-5	Croatia
05	6:04:14.2	45.815N 18.700E	14	1.1	-	Croatia
06	4:32:49.8	47.958N 16.433E	9	2.7	-	Austria
08	6:47:00.8	45.880N 21.635E	15	1.7	-	Romania
08	14:12:20.1	45.832N 18.028E	18	1.6	-	Kisszentmárton
09	20:36:25.5	45.898N 16.050E	11	2.6	-	Croatia
12	1:04:46.2	45.532N 16.506E	6	2.1	-	Croatia
14	9:04:16.3	45.886N 16.032E	6	3.2	-	Croatia
14	14:45:20.0	45.918N 16.004E	8	2.2	-	Croatia
15	2:17:03.5	48.837N 22.253E	6	2.0	-	Slovakia
15	4:43:29.7	45.988N 22.100E	8	2.0	-	Romania
16	1:20:57.3	45.821N 18.803E	1	0.6	-	Croatia
16	3:05:08.1	45.865N 18.772E	11	1.8	-	Croatia
16	8:37:29.2	47.300N 18.240E	14	1.2	-	Fehérvárcsurgó
16	19:58:30.1	46.113N 17.003E	8	2.2	-	Croatia
16	22:40:19.2	47.778N 16.449E	1	0.2	-	Austria
21	1:04:57.1	45.915N 16.736E	14	2.3	-	Croatia
22	15:17:09.6	47.336N 18.155E	10	1.5	-	Nagyveleg
23	0:23:11.0	47.817N 18.767E	17	1.1	-	Esztergom
26	2:39:27.7	47.663N 16.147E	13	0.4	-	Austria
30	18:55:30.3	47.276N 18.225E	7	0.7	-	Kincsesbánya
31	10:39:07.7	47.683N 16.013E	8	2.0	-	Austria
FEBRUÁR / FEBRUARY, 2023						
02	12:34:29.7	46.024N 16.674E	10	1.9	-	Croatia
03	8:15:56.6	46.455N 16.145E	1	2.0	-	Slovenia
05	3:09:35.2	47.689N 18.346E	13	1.6	-	Szomód
06	1:01:56.5	48.054N 21.025E	12	1.1	-	Tiszalúc
08	15:07:45.0	45.968N 16.085E	1	2.2	-	Croatia
11	0:03:26.7	47.672N 16.086E	8	1.3	-	Austria
12	11:50:30.5	45.801N 22.001E	13	1.6	-	Romania
12	16:58:55.4	47.927N 16.406E	13	1.4	-	Austria
14	0:09:35.2	48.100N 20.498E	14	1.6	-	Mályinka
14	18:26:59.9	47.981N 16.526E	17	1.3	-	Austria
15	11:48:49.1	45.599N 17.706E	17	1.5	-	Croatia
15	13:41:41.0	46.104N 16.450E	11	1.7	-	Croatia
16	1:12:22.9	46.269N 19.797E	7	1.6	-	Ruzsa
16	22:11:57.7	45.535N 16.401E	15	2.0	-	Croatia
18	15:01:58.1	45.786N 16.916E	10	1.9	-	Croatia
20	14:58:12.0	45.603N 17.643E	12	1.6	-	Croatia

Földrengés paraméterek

Hypocenter Parameters

20	15:49:21.9	45.968N	16.062E	10	1.5	-	Croatia
20	19:51:28.2	48.197N	16.024E	10	1.8	-	Austria
23	11:57:14.9	45.559N	16.052E	6	2.5	-	Croatia
24	11:17:57.8	46.088N	16.766E	14	1.9	-	Croatia
26	6:27:10.0	47.985N	16.511E	14	1.1	-	Austria
26	8:52:01.9	46.138N	16.660E	10	2.4	-	Croatia
27	1:15:39.6	48.397N	22.494E	8	3.0	-	Ukraine
27	3:00:17.3	45.946N	16.182E	10	2.3	-	Croatia
28	18:52:10.5	45.746N	21.556E	17	1.8	-	Romania

MÁRCIUS / MARCH, 2023

01	12:34:07.2	46.122N	16.379E	13	2.1	-	Croatia
01	18:35:05.9	48.088N	17.291E	11	1.7	-	Slovakia
02	2:13:12.8	47.355N	18.160E	8	-0.2	-	Nagyveleg
02	23:35:08.1	47.308N	18.205E	7	0.1	-	Bodajk
07	20:03:48.4	45.778N	17.999E	17	1.2	-	Croatia
08	3:02:34.6	48.697N	21.712E	0	1.6	-	Slovakia
09	1:58:48.0	47.387N	18.207E	6	0.1	-	Mór
13	10:21:02.1	46.451N	18.032E	18	1.6	-	Gölle
13	16:20:51.5	46.436N	17.089E	12	1.9	-	Kisfakos
13	20:58:52.1	46.495N	16.175E	6	1.3	-	Slovenia
19	2:55:04.2	48.662N	21.703E	17	1.4	-	Slovakia
19	5:31:04.4	47.732N	16.038E	12	1.0	-	Austria
19	13:52:01.6	48.719N	21.699E	6	2.0	-	Slovakia
19	17:18:51.0	48.437N	17.287E	13	1.5	-	Slovakia
19	18:56:56.3	45.896N	16.023E	10	2.3	-	Croatia
24	19:14:43.5	45.737N	20.437E	10	1.6	-	Serbia
26	11:45:25.5	48.479N	17.325E	7	1.8	-	Slovakia
26	11:56:50.1	45.903N	21.737E	10	2.2	-	Romania
26	16:49:13.8	47.413N	18.362E	11	1.3	-	Gánt
27	8:29:36.2	48.910N	21.033E	7	1.7	-	Slovakia
30	15:13:22.6	46.329N	21.597E	7	1.7	-	Romania
31	6:10:41.3	45.752N	18.288E	13	1.4	-	Croatia
31	12:05:46.9	47.924N	17.001E	7	2.0	-	Austria

ÁPRILIS / APRIL, 2023

05	11:56:21.8	45.920N	16.011E	6	1.1	-	Croatia
07	13:31:02.3	45.547N	16.212E	8	1.9	-	Croatia
07	20:30:13.0	48.366N	17.149E	6	1.7	-	Slovakia
08	4:07:09.4	47.890N	20.653E	10	1.5	-	Tibolddaróc
08	14:41:22.3	45.920N	16.033E	8	1.3	-	Croatia
08	23:38:00.4	45.532N	16.200E	2	2.0	-	Croatia
10	1:20:47.7	47.618N	19.828E	14	1.2	-	Csány
10	2:31:33.6	45.982N	17.084E	17	1.6	-	Croatia
10	2:38:19.6	45.599N	16.047E	10	1.9	-	Croatia
10	4:27:17.2	45.960N	17.067E	17	1.6	-	Croatia
10	5:57:51.4	45.961N	17.124E	14	1.6	-	Croatia
10	6:32:51.8	45.971N	17.107E	14	1.8	-	Croatia
10	7:08:14.7	45.971N	17.085E	11	1.9	-	Croatia
11	0:39:19.7	45.990N	17.084E	8	1.5	-	Croatia
11	3:19:23.7	47.205N	18.080E	12	0.8	-	Várpalota
13	17:14:31.9	45.912N	18.669E	12	1.5	-	Croatia
13	19:10:09.4	47.752N	22.501E	13	1.9	-	Romania
14	19:08:36.4	45.905N	17.086E	21	1.8	-	Croatia
15	8:32:25.4	46.427N	17.141E	37	2.0	-	Sand
20	3:31:49.1	45.948N	16.050E	6	1.1	-	Croatia
23	3:34:42.7	46.409N	16.306E	11	1.7	-	Slovenia
23	10:36:04.5	45.743N	17.947E	18	1.0	-	Croatia
24	9:28:39.0	45.501N	16.426E	6	2.4	-	Croatia
25	3:47:21.5	46.488N	16.277E	8	1.7	-	Slovenia

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25	8:41:12.5	45.663N	16.030E	12	2.1	-	Croatia
26	17:47:53.9	48.683N	21.985E	10	2.6	-	Slovakia
28	19:05:35.8	46.063N	17.848E	16	0.4	-	Becefa
29	13:53:57.5	46.007N	17.039E	12	1.5	-	Croatia
29	21:15:24.7	46.170N	16.004E	14	1.4	-	Croatia
30	13:49:51.0	48.014N	16.551E	14	1.2	-	Austria
30	20:31:53.1	46.206N	16.094E	10	1.5	-	Croatia

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04	20:44:40.4	47.386N	22.948E	0	1.5	-	Romania
06	16:27:36.1	48.167N	22.115E	13	1.2	-	Anarcs
06	18:56:20.8	45.807N	16.940E	27	1.6	-	Croatia
06	19:27:59.8	45.743N	16.934E	22	1.6	-	Croatia
07	12:22:44.9	47.767N	18.272E	19	1.0	-	Slovakia
09	17:58:22.5	46.471N	16.170E	8	1.8	-	Slovenia
11	1:46:04.5	45.870N	16.032E	9	2.0	-	Croatia
14	1:31:19.5	45.515N	16.099E	10	2.1	-	Croatia
14	11:12:04.2	48.127N	20.592E	0	1.2	-	Lillafüred
14	12:05:10.5	47.782N	16.148E	11	1.7	-	Austria
17	0:50:47.8	47.534N	20.052E	12	1.4	-	Jászdózsza
18	4:34:54.7	47.653N	16.043E	9	1.1	-	Austria
22	0:26:07.7	45.532N	16.086E	8	2.0	-	Croatia
22	2:35:45.5	46.851N	21.493E	7	2.1	-	Mezőgyán
22	17:46:42.7	46.081N	21.529E	17	4.5	5-6	Romania
22	18:58:57.3	46.047N	21.629E	15	1.8	-	Romania
22	19:45:02.5	46.113N	21.589E	10	2.0	-	Romania
22	19:55:26.0	46.081N	21.552E	14	4.1	-	Romania
22	20:10:27.2	46.091N	21.574E	10	1.3	-	Romania
22	20:26:21.3	46.103N	21.639E	7	2.1	-	Romania
22	20:47:13.6	46.098N	21.612E	10	1.5	-	Romania
22	21:21:04.6	46.065N	21.568E	15	2.4	-	Romania
22	23:07:32.5	46.101N	21.570E	14	1.4	-	Romania
22	23:48:14.9	46.074N	21.557E	11	2.2	-	Romania
23	2:12:24.7	46.061N	21.556E	18	2.5	-	Romania
23	2:43:56.9	46.062N	21.612E	13	1.5	-	Romania
23	16:15:29.0	46.115N	21.556E	8	4.1	-	Romania
23	16:29:01.8	46.105N	21.587E	13	1.6	-	Romania
23	17:52:21.6	46.064N	21.628E	14	1.2	-	Romania
23	20:25:48.7	46.061N	21.597E	14	2.2	-	Romania
23	20:30:49.5	46.082N	21.574E	14	2.3	-	Romania
23	20:32:31.5	46.077N	21.573E	13	2.5	-	Romania
23	21:42:04.1	46.088N	21.580E	12	3.0	-	Romania
23	22:34:31.7	46.063N	21.620E	14	1.1	-	Romania
23	22:54:57.1	46.091N	21.587E	14	1.8	-	Romania
24	21:38:07.1	46.069N	21.592E	13	2.0	-	Romania
26	1:09:12.0	47.304N	18.319E	0	0.1	-	Magyaralmás
26	2:39:46.9	46.063N	21.606E	14	1.8	-	Romania
26	23:23:30.0	45.709N	18.244E	14	0.8	-	Croatia
27	2:14:08.4	45.688N	18.151E	15	0.9	-	Croatia
27	16:57:05.6	45.670N	18.013E	0	1.1	-	Croatia
28	19:50:40.2	45.574N	16.069E	10	1.9	-	Croatia
29	3:25:28.1	46.088N	21.528E	15	3.2	-	Romania
29	9:08:53.0	46.093N	21.590E	12	2.1	-	Romania
30	1:14:45.1	48.335N	21.592E	16	1.4	-	Károlyfalva
31	11:15:47.8	48.510N	22.826E	12	2.1	-	Ukraine
31	15:14:37.3	48.460N	22.754E	7	2.3	-	Ukraine
31	22:54:33.2	45.916N	16.011E	6	1.6	-	Croatia
31	23:35:08.8	47.739N	16.226E	13	0.3	-	Austria

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01	12:57:43.4	48.222N	21.690E	6	1.6	-	Tiszakarád
01	13:47:20.0	45.889N	21.605E	15	2.0	-	Romania
01	15:14:48.9	46.085N	21.549E	15	2.0	-	Romania
01	21:42:34.5	46.710N	16.924E	16	1.4	-	Pötréte
02	13:16:13.9	46.099N	16.414E	11	2.0	-	Croatia
02	16:57:46.4	46.092N	21.669E	11	2.2	-	Romania
03	19:57:11.6	48.536N	17.279E	7	1.1	-	Slovakia
04	2:01:42.7	47.776N	16.309E	21	0.2	-	Austria
04	2:03:11.5	47.767N	16.264E	16	-0.1	-	Austria
05	7:35:34.8	47.623N	17.801E	15	1.6	-	Pér
05	13:02:15.4	48.219N	21.687E	7	1.7	-	Tiszakarád
05	14:25:07.3	45.665N	18.043E	7	1.4	-	Croatia
05	19:21:01.1	45.655N	18.066E	9	1.1	-	Croatia
05	19:57:13.3	45.613N	18.079E	7	0.9	-	Croatia
06	1:19:55.9	45.704N	18.021E	12	0.7	-	Croatia
06	2:14:52.6	45.652N	18.149E	6	3.2	-	Croatia
06	17:26:52.3	46.089N	21.498E	13	5.1	6-7	Romania
06	18:01:59.3	46.121N	21.590E	10	2.3	-	Romania
06	18:02:32.8	46.071N	21.600E	13	2.4	-	Romania
06	18:04:08.5	46.083N	21.563E	14	3.0	-	Romania
06	18:44:21.7	46.090N	21.560E	16	1.9	-	Romania
06	20:05:48.4	46.107N	21.562E	10	1.4	-	Romania
06	20:56:15.1	46.105N	21.604E	11	2.0	-	Romania
07	0:56:48.2	46.078N	21.593E	10	2.1	-	Romania
07	3:15:38.7	46.129N	21.608E	10	1.5	-	Romania
07	5:57:57.7	46.074N	21.590E	14	2.9	-	Romania
07	6:27:36.0	46.073N	21.594E	12	2.5	-	Romania
07	6:37:34.5	47.930N	16.024E	14	1.0	-	Austria
07	20:41:16.9	46.062N	21.602E	13	1.2	-	Romania
08	2:31:29.9	47.306N	18.301E	8	0.4	-	Söréd
09	2:23:53.3	46.087N	21.611E	14	1.8	-	Romania
09	3:08:45.8	46.123N	21.519E	13	1.8	-	Romania
10	18:02:19.1	47.053N	18.910E	13	1.7	-	Rácalmás
11	1:11:07.9	45.916N	17.673E	17	0.6	-	Potony
11	17:11:07.2	46.112N	21.609E	10	1.2	-	Romania
11	19:48:48.5	46.094N	21.578E	14	1.4	-	Romania
12	19:34:20.9	47.363N	18.566E	10	2.1	-	Vértesacsba
13	9:00:03.0	48.428N	17.200E	7	1.8	-	Slovakia
17	8:11:33.4	45.909N	16.038E	10	1.6	-	Croatia
18	11:38:19.9	46.064N	21.553E	16	1.9	-	Romania
20	9:06:13.1	45.638N	17.321E	5	2.1	-	Croatia
21	7:25:07.1	46.098N	21.564E	10	1.8	-	Romania
21	16:26:30.0	46.129N	16.690E	15	1.7	-	Croatia
23	6:58:52.3	46.130N	21.448E	13	2.0	-	Romania
24	21:30:07.1	47.697N	17.518E	19	1.3	-	Börcs
26	6:11:55.7	47.378N	18.997E	13	1.4	-	Halásztelek
26	13:01:40.4	46.044N	21.774E	8	1.6	-	Romania
28	22:02:25.2	47.389N	16.847E	15	1.5	-	Sajtoskál
30	5:25:53.4	47.622N	16.005E	10	0.5	-	Austria

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01	14:33:34.3	46.125N	16.556E	12	1.8	-	Croatia
01	16:23:20.1	46.062N	21.585E	16	2.2	-	Romania
02	6:10:27.8	45.879N	16.029E	3	1.5	-	Croatia
02	14:19:17.4	46.468N	17.767E	16	1.3	-	Magyaregres
03	2:07:24.4	45.968N	16.158E	10	1.6	-	Croatia
03	7:56:32.8	48.249N	21.697E	2	1.6	-	Tiszakarád
04	23:37:17.9	47.827N	16.475E	10	0.9	-	Austria
05	3:56:48.1	45.611N	16.052E	7	2.3	-	Croatia
05	23:43:41.3	45.615N	16.060E	10	2.0	-	Croatia

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06	11:10:18.7	46.661N	21.599E	15	2.0	-	Romania
07	17:54:26.4	45.899N	16.011E	4	2.3	-	Croatia
08	0:34:01.1	45.870N	16.002E	10	1.9	-	Croatia
08	5:59:21.1	45.803N	16.039E	13	1.7	-	Croatia
09	16:25:00.3	45.897N	16.049E	10	1.6	-	Croatia
09	19:28:52.3	45.858N	16.002E	10	1.8	-	Croatia
09	19:58:17.3	45.879N	16.062E	10	1.6	-	Croatia
11	12:06:50.9	45.865N	16.010E	10	2.0	-	Croatia
11	15:26:22.5	45.908N	16.015E	10	1.4	-	Croatia
11	18:52:43.3	47.790N	16.175E	19	0.6	-	Austria
11	22:20:04.2	47.728N	16.052E	11	0.6	-	Austria
15	7:48:53.8	47.780N	16.201E	14	0.6	-	Austria
17	21:50:36.7	46.031N	21.646E	14	1.2	-	Romania
18	7:18:34.8	46.025N	22.819E	16	1.8	-	Romania
18	12:00:37.9	47.681N	20.305E	14	1.6	-	Erdőtelek
18	16:54:03.9	47.861N	16.284E	13	1.0	-	Austria
19	3:00:13.5	45.915N	16.006E	4	1.4	-	Croatia
19	16:34:35.7	47.751N	20.149E	19	1.4	-	Detk
20	9:32:31.6	45.705N	17.362E	14	1.3	-	Croatia
20	19:08:48.2	47.314N	18.295E	11	0.4	-	Söréd
21	0:20:39.5	45.879N	16.021E	10	1.8	-	Croatia
21	0:22:17.9	47.653N	16.010E	11	0.6	-	Austria
21	2:00:11.0	46.132N	16.492E	14	1.6	-	Croatia
25	16:45:29.1	46.498N	16.234E	7	1.9	-	Slovenia
26	20:33:05.1	45.810N	17.296E	12	1.5	-	Croatia
27	17:01:39.1	45.501N	18.058E	15	1.6	-	Croatia
27	20:05:16.4	46.092N	21.646E	10	1.8	-	Romania
28	0:26:42.8	48.821N	21.802E	14	1.4	-	Slovakia
29	5:56:50.0	47.371N	18.175E	6	0.3	-	Nagyveleg
30	20:23:24.2	45.811N	18.001E	18	0.6	-	Hirics
31	0:24:15.9	46.028N	20.492E	10	1.7	-	Romania
31	9:52:45.1	47.617N	16.364E	8	1.7	-	Austria
31	23:55:32.7	45.616N	16.053E	10	1.7	-	Croatia
31	23:58:37.3	45.612N	16.059E	10	1.5	-	Croatia

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02	4:01:54.4	46.091N	21.683E	10	1.2	-	Romania
03	0:34:25.5	46.449N	16.288E	13	1.8	-	Slovenia
05	12:18:03.6	47.752N	16.164E	13	0.4	-	Austria
06	1:36:37.3	48.595N	22.847E	10	1.5	-	Ukraine
06	15:11:24.7	45.589N	16.088E	10	1.9	-	Croatia
06	21:01:13.4	47.383N	18.270E	6	1.6	-	Csókakó
08	1:10:33.0	47.761N	16.147E	12	0.6	-	Austria
10	0:01:27.5	48.178N	16.684E	9	2.2	-	Austria
10	2:48:32.8	47.357N	16.027E	12	1.8	-	Austria
12	19:27:23.1	47.877N	16.301E	16	0.5	-	Austria
13	18:44:29.9	47.496N	18.324E	0	0.2	-	Kecskéd
14	11:33:02.6	46.263N	19.810E	7	2.1	-	Zákányszék
14	11:41:58.2	46.247N	19.883E	14	1.9	-	Mórahalom
16	11:33:23.2	45.640N	22.372E	7	1.5	-	Romania
17	9:56:23.2	46.257N	22.088E	16	2.0	-	Romania
19	8:43:56.4	46.881N	20.706E	13	1.7	-	Örménykút
19	9:13:27.3	46.832N	20.675E	16	4.0	5	Örménykút
19	9:16:38.6	46.847N	20.655E	19	4.2	5-6	Csabacsúd
19	9:17:50.4	46.824N	20.838E	12	3.4	-	Hunya
19	9:37:25.3	46.840N	20.696E	13	2.0	-	Örménykút
19	9:38:01.2	46.864N	20.705E	14	2.1	-	Örménykút
19	9:39:51.7	46.874N	20.729E	12	2.0	-	Örménykút
19	9:41:17.5	46.860N	20.718E	13	1.8	-	Örménykút
19	10:16:05.9	46.753N	20.956E	12	2.1	-	Kamut

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19	10:17:30.8	46.794N	20.745E	16	2.0	-	Kardos
19	10:18:18.6	46.832N	20.744E	12	1.9	-	Örménykút
19	10:36:19.8	46.821N	20.735E	12	2.0	-	Örménykút
19	10:36:53.3	46.781N	20.840E	12	2.2	-	Kondoros
19	10:51:12.8	46.812N	20.664E	13	3.0	-	Csabacsúd
19	11:17:04.4	46.806N	20.715E	11	2.1	-	Kardos
19	11:26:45.7	46.815N	20.732E	12	1.8	-	Kardos
19	11:28:45.1	46.830N	20.722E	12	1.8	-	Örménykút
19	11:33:28.9	46.940N	20.693E	11	2.2	-	Gyomaendrőd
19	11:56:01.2	46.842N	20.689E	14	2.2	-	Örménykút
19	12:00:53.3	46.803N	20.714E	10	2.4	-	Kardos
19	12:02:11.7	46.841N	20.703E	16	2.2	-	Örménykút
19	12:18:38.3	46.795N	20.662E	13	2.9	-	Csabacsúd
19	12:21:48.7	46.848N	20.686E	15	3.5	-	Örménykút
19	12:31:40.4	46.829N	20.726E	16	1.8	-	Örménykút
19	12:35:26.8	46.856N	20.697E	19	1.6	-	Örménykút
19	12:38:26.7	46.842N	20.736E	14	2.1	-	Örménykút
19	12:39:43.0	46.878N	20.692E	15	2.2	-	Örménykút
19	12:43:11.8	46.820N	20.696E	17	1.9	-	Örménykút
19	12:44:10.1	46.798N	20.751E	7	2.1	-	Kardos
19	12:47:30.5	46.839N	20.718E	9	2.6	-	Örménykút
19	12:49:51.7	46.820N	20.709E	15	1.7	-	Örménykút
19	12:53:55.9	46.763N	20.769E	5	1.8	-	Kondoros
19	12:56:32.2	46.822N	20.753E	12	2.1	-	Örménykút
19	13:11:00.4	46.825N	20.723E	12	1.8	-	Örménykút
19	13:12:34.7	46.812N	20.702E	12	1.9	-	Kardos
19	13:16:29.5	46.841N	20.727E	17	1.9	-	Örménykút
19	13:43:03.8	46.834N	20.779E	13	1.7	-	Örménykút
19	13:45:04.8	46.868N	20.715E	14	1.7	-	Örménykút
19	13:53:57.4	46.869N	20.725E	13	1.8	-	Örménykút
19	14:00:23.5	46.868N	20.731E	7	2.0	-	Örménykút
19	14:38:54.1	46.811N	20.673E	12	2.8	-	Csabacsúd
19	14:50:15.5	46.833N	20.671E	16	1.9	-	Csabacsúd
19	14:52:49.1	46.788N	20.718E	10	2.3	-	Kardos
19	14:58:18.2	46.857N	20.703E	15	1.9	-	Örménykút
19	15:02:11.2	46.797N	20.685E	14	2.7	-	Kardos
19	15:08:11.5	46.864N	20.702E	16	2.0	-	Örménykút
19	15:08:35.0	46.855N	20.741E	13	2.0	-	Örménykút
19	15:43:08.1	46.800N	20.683E	10	2.1	-	Kardos
19	15:54:10.9	46.836N	20.659E	23	3.8	-	Csabacsúd
19	15:56:08.8	46.831N	20.718E	13	3.0	-	Örménykút
19	15:57:04.5	46.793N	20.767E	16	2.6	-	Kardos
19	16:01:15.7	46.839N	20.700E	14	2.2	-	Örménykút
19	16:03:58.3	46.827N	20.718E	13	2.0	-	Örménykút
19	16:05:24.5	46.819N	20.738E	14	2.2	-	Örménykút
19	16:07:16.6	46.816N	20.691E	12	2.0	-	Örménykút
19	16:11:40.1	46.749N	20.948E	16	2.5	-	Kamut
19	16:12:15.3	46.803N	20.670E	17	2.5	-	Kardos
19	16:20:03.7	46.817N	20.681E	18	3.8	-	Örménykút
19	16:30:11.9	46.804N	20.696E	11	2.1	-	Kardos
19	17:05:29.0	46.785N	20.798E	9	1.9	-	Kondoros
19	17:11:35.3	46.832N	20.760E	16	1.6	-	Örménykút
19	17:20:08.4	46.814N	20.668E	17	2.5	-	Csabacsúd
19	17:43:06.6	46.835N	20.700E	16	2.1	-	Örménykút
19	17:51:21.6	46.825N	20.746E	14	2.0	-	Örménykút
19	18:06:41.8	46.821N	20.702E	13	2.1	-	Örménykút
19	18:32:25.4	46.899N	20.691E	17	1.8	-	Gyomaendrőd
19	18:41:55.4	46.806N	20.715E	13	2.0	-	Kardos
19	19:09:31.6	46.805N	20.746E	17	1.9	-	Kardos
19	19:17:43.2	46.784N	20.812E	15	1.8	-	Kondoros

Hypocenter Parameters

Földrengés paraméterek

19	19:23:51.9	46.775N	20.780E	15	2.0	-	Kondoros
19	23:52:39.2	46.783N	20.820E	11	1.7	-	Kondoros
19	23:59:20.2	46.834N	20.719E	12	2.0	-	Örménykút
20	0:36:30.2	46.817N	20.687E	16	1.8	-	Örménykút
20	0:37:15.1	46.825N	20.704E	15	1.7	-	Örménykút
20	0:41:42.5	46.827N	20.694E	12	1.8	-	Örménykút
20	1:25:17.6	46.822N	20.704E	11	1.9	-	Örménykút
20	1:52:58.5	46.822N	20.673E	17	4.2	5	Csabacsúd
20	1:59:50.4	46.834N	20.721E	15	2.3	-	Örménykút
20	2:15:12.8	46.847N	20.666E	15	1.7	-	Csabacsúd
20	2:28:20.2	46.898N	20.672E	17	1.6	-	Örménykút
20	2:31:14.3	46.823N	20.759E	20	1.6	-	Örménykút
20	3:13:35.3	46.872N	20.657E	15	3.5	-	Csabacsúd
20	3:19:54.4	46.837N	20.685E	14	1.8	-	Örménykút
20	3:29:01.9	46.872N	20.678E	16	1.6	-	Örménykút
20	4:08:06.8	47.689N	16.003E	10	2.0	-	Austria
20	4:57:00.6	46.832N	20.805E	16	1.9	-	Hunya
20	5:44:14.0	46.781N	20.762E	13	2.0	-	Kardos
20	8:59:30.6	46.840N	20.753E	15	1.8	-	Örménykút
20	9:20:41.5	46.851N	20.751E	16	1.8	-	Örménykút
20	15:47:38.4	46.805N	20.830E	15	1.8	-	Hunya
20	15:49:06.3	46.835N	20.680E	10	2.1	-	Örménykút
20	18:32:03.3	46.809N	20.694E	14	1.9	-	Kardos
20	21:21:38.3	46.771N	20.728E	9	1.9	-	Kardos
21	7:09:35.4	48.031N	20.300E	0	1.2	-	Mikófalva
21	11:24:10.6	46.823N	20.699E	10	2.3	-	Örménykút
21	17:40:11.4	46.812N	20.695E	10	2.6	-	Kardos
21	17:55:37.4	46.247N	18.524E	12	1.1	-	Cikó
22	1:54:38.1	46.817N	20.734E	18	1.8	-	Örménykút
22	4:37:44.6	45.902N	16.060E	8	1.4	-	Croatia
22	5:47:13.6	46.472N	17.724E	13	2.2	3-4	Várda
22	7:46:29.9	46.874N	20.664E	16	1.8	-	Csabacsúd
22	20:45:51.0	46.244N	18.509E	10	0.5	-	Hidas
22	22:35:17.0	46.844N	20.675E	17	3.7	4-5	Örménykút
23	6:40:47.9	46.230N	18.479E	9	0.9	-	Mecseknádasd
23	7:16:04.5	46.820N	20.685E	26	2.1	-	Örménykút
23	7:34:19.4	46.272N	18.521E	10	0.3	-	Hidas
23	20:05:39.4	46.250N	18.552E	11	0.3	-	Cikó
23	20:06:09.2	46.249N	18.514E	8	0.4	-	Hidas
23	20:30:26.0	46.246N	18.521E	10	0.6	-	Cikó
23	23:06:05.2	46.254N	18.508E	7	0.2	-	Hidas
24	1:54:32.6	46.251N	18.509E	8	0.3	-	Hidas
25	7:21:26.0	48.176N	20.966E	1	1.1	-	Sóstófalva
25	12:33:25.5	46.248N	18.510E	7	0.4	-	Hidas
25	13:50:36.6	46.824N	20.700E	16	2.3	-	Örménykút
26	1:16:51.2	47.875N	19.512E	13	0.8	-	Bér
27	19:05:51.5	46.260N	18.496E	3	0.1	-	Hidas
28	3:06:36.3	47.885N	18.153E	21	1.4	-	Slovakia
31	9:16:16.6	45.564N	17.488E	17	1.9	-	Croatia

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02	20:04:41.4	46.028N	18.479E	7	1.2	-	Máriakéménd
05	6:57:23.4	47.245N	17.943E	11	1.7	-	Olaszfalva
05	12:03:24.2	45.641N	22.395E	11	1.6	-	Romania
05	12:30:51.1	46.054N	21.760E	11	1.4	-	Romania
05	19:07:50.8	48.374N	17.099E	3	1.4	-	Slovakia
05	22:03:50.4	47.272N	16.405E	7	1.7	-	Austria
06	11:26:11.5	45.730N	19.879E	24	1.7	-	Serbia
06	11:44:45.6	45.811N	19.907E	22	1.8	-	Serbia
08	5:09:10.9	46.822N	20.674E	17	3.2	4-5	Csabacsúd

Földrengés paraméterek

Hypocenter Parameters

09	3:48:34.4	45.769N	17.866E	11	1.5	-	Zaláta
09	20:26:08.3	46.225N	18.336E	3	0.1	-	Magyaregregy
10	10:02:20.4	47.861N	16.285E	17	0.3	-	Austria
10	21:52:11.7	47.731N	16.226E	15	0.0	-	Austria
11	15:35:19.8	45.512N	17.768E	17	1.5	-	Croatia
12	3:46:06.8	47.844N	16.325E	10	0.7	-	Austria
12	23:24:55.0	47.848N	16.253E	9	2.2	-	Austria
13	0:44:51.3	45.602N	16.047E	12	1.6	-	Croatia
14	8:52:57.8	48.161N	23.000E	13	2.5	-	Ukraine
16	20:32:56.8	47.481N	18.418E	10	0.3	-	Várgesztes
18	8:49:16.9	45.611N	17.365E	20	2.0	-	Croatia
20	19:31:04.4	45.889N	16.012E	10	1.6	-	Croatia
20	23:16:09.8	46.413N	16.044E	16	1.4	-	Slovenia
22	9:48:20.1	46.934N	22.869E	6	1.8	-	Romania
23	1:54:44.2	46.103N	21.587E	10	1.5	-	Romania
26	1:31:55.8	46.826N	20.719E	10	2.0	-	Örménykút
27	23:03:25.0	45.604N	21.447E	13	2.3	-	Romania
28	1:16:29.7	45.901N	16.019E	10	1.3	-	Croatia
28	3:37:08.9	48.608N	18.924E	7	2.0	-	Slovakia
28	11:34:09.8	48.439N	16.993E	7	1.8	-	Austria
29	7:16:46.3	45.940N	17.951E	16	1.5	-	Magyarmecske

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01	20:24:22.9	46.483N	16.362E	13	1.5	-	Croatia
01	20:27:57.7	46.474N	16.351E	10	1.4	-	Croatia
01	22:19:43.9	46.395N	16.344E	10	1.2	-	Croatia
01	22:23:50.0	46.452N	16.370E	8	1.4	-	Croatia
02	2:04:59.3	46.509N	16.313E	16	1.2	-	Croatia
03	0:48:23.7	46.471N	16.363E	16	1.2	-	Croatia
03	10:53:44.4	45.545N	17.672E	12	1.4	-	Croatia
03	21:13:25.1	45.516N	16.126E	8	2.3	-	Croatia
05	14:32:18.9	45.832N	20.684E	23	2.2	-	Croatia
05	18:21:51.6	46.256N	18.516E	8	0.5	-	Hidas
05	18:41:06.6	46.246N	18.520E	9	0.1	-	Cikó
05	19:00:47.1	46.248N	18.526E	10	0.5	-	Cikó
06	7:38:20.5	46.494N	16.334E	10	1.5	-	Croatia
06	7:52:09.4	45.971N	18.550E	1	1.0	-	Babarc
07	12:59:24.1	47.855N	16.162E	7	2.2	-	Austria
07	20:00:25.7	47.225N	18.132E	12	0.5	-	Várpalota
08	15:45:11.6	46.206N	19.891E	10	1.7	-	Mórahalom
10	19:16:11.0	46.341N	17.982E	13	1.1	-	Mosdós
10	21:09:37.1	45.835N	17.940E	14	1.0	-	Lúzsok
11	8:27:24.2	45.787N	16.911E	10	2.0	-	Croatia
11	10:23:58.3	45.822N	16.947E	10	1.8	-	Croatia
11	11:43:00.1	45.838N	16.921E	10	1.8	-	Croatia
11	14:09:58.7	45.806N	16.930E	10	1.9	-	Croatia
11	15:03:22.1	45.785N	16.906E	10	2.1	-	Croatia
11	15:15:22.9	45.784N	16.929E	10	1.9	-	Croatia
11	15:17:33.4	45.771N	16.943E	9	1.9	-	Croatia
11	16:22:41.9	45.768N	16.936E	8	2.2	-	Croatia
11	17:17:29.7	45.779N	16.923E	10	1.8	-	Croatia
11	17:57:59.5	45.765N	16.916E	7	1.9	-	Croatia
11	18:37:54.6	45.813N	16.932E	7	2.1	-	Croatia
11	18:39:00.7	45.793N	16.943E	8	2.0	-	Croatia
11	19:01:52.1	45.738N	16.915E	4	1.9	-	Croatia
11	19:50:31.1	45.833N	16.937E	10	1.7	-	Croatia
11	19:55:12.6	45.815N	16.941E	10	1.9	-	Croatia
11	20:19:04.7	45.829N	16.929E	3	1.9	-	Croatia
11	20:24:28.4	45.813N	16.924E	10	2.2	-	Croatia
11	20:37:09.4	45.816N	16.917E	10	2.0	-	Croatia

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11	20:45:03.4	45.846N	16.893E	10	1.7	-	Croatia
11	21:56:05.4	45.813N	16.935E	10	2.0	-	Croatia
11	22:14:14.9	45.850N	16.918E	10	1.3	-	Croatia
11	22:15:20.9	45.829N	16.920E	10	1.9	-	Croatia
11	23:19:41.5	45.734N	16.904E	5	2.0	-	Croatia
12	0:37:13.6	45.802N	16.910E	10	1.9	-	Croatia
12	1:38:52.4	45.812N	16.932E	10	1.7	-	Croatia
12	2:58:47.7	45.751N	16.920E	6	1.9	-	Croatia
12	3:37:44.2	45.754N	16.920E	5	1.9	-	Croatia
12	6:21:41.3	45.800N	16.910E	7	1.8	-	Croatia
12	7:38:51.1	45.771N	16.906E	10	2.1	-	Croatia
12	9:05:12.3	45.798N	16.901E	10	2.4	-	Croatia
12	9:09:28.9	45.728N	16.905E	10	1.8	-	Croatia
12	9:11:48.1	45.747N	16.917E	3	1.6	-	Croatia
12	12:32:10.9	45.785N	16.896E	14	1.8	-	Croatia
12	12:55:33.5	45.771N	16.924E	10	1.8	-	Croatia
13	1:19:23.8	45.780N	16.932E	10	1.8	-	Croatia
13	17:34:01.1	45.785N	16.913E	10	1.5	-	Croatia
16	4:23:29.1	47.309N	17.440E	10	2.7	3-4	Borsosgyőr
16	16:11:24.9	48.089N	19.639E	5	1.6	-	Nógrádmegyer
17	21:58:28.7	47.752N	16.178E	15	0.5	-	Austria
18	10:57:12.6	47.825N	21.587E	12	1.9	-	Újfehértó
18	18:19:21.3	47.218N	21.417E	17	1.9	-	Bihartorda
18	20:35:50.9	45.924N	16.022E	10	1.4	-	Croatia
20	8:04:10.1	45.549N	17.349E	11	1.7	-	Croatia
20	19:30:45.4	46.122N	20.814E	10	2.2	-	Romania
20	20:53:12.3	45.897N	16.016E	13	1.9	-	Croatia
21	13:50:12.5	46.385N	17.927E	13	1.6	-	Taszár
23	12:07:28.9	45.620N	17.545E	17	1.3	-	Croatia
23	12:14:48.0	47.515N	16.336E	8	1.5	-	Austria
23	12:31:41.9	48.774N	18.810E	10	1.7	-	Slovakia
26	10:09:25.5	45.642N	21.887E	10	2.9	-	Romania
27	9:49:19.3	45.948N	16.694E	12	2.5	-	Croatia
27	13:03:43.4	48.006N	16.923E	8	1.7	-	Austria
29	1:53:44.5	47.706N	16.178E	10	0.1	-	Austria
30	0:23:05.6	47.035N	17.389E	6	1.0	-	Nemeshany
30	13:59:14.0	47.664N	16.410E	8	2.0	-	Austria
31	15:25:51.8	47.978N	16.531E	10	1.4	-	Austria

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02	0:32:47.4	45.624N	17.743E	16	1.4	-	Croatia
04	8:11:26.8	45.561N	16.036E	10	2.3	-	Croatia
05	23:37:35.2	48.389N	17.152E	10	1.7	-	Slovakia
07	3:05:03.8	48.401N	16.924E	14	1.4	-	Austria
08	2:49:58.6	47.599N	16.366E	7	1.2	-	Austria
08	3:48:29.9	47.688N	16.414E	10	0.5	-	Austria
08	15:07:36.0	47.773N	16.257E	15	1.6	-	Austria
08	17:28:53.7	45.722N	18.083E	6	1.5	-	Croatia
08	17:56:43.6	47.806N	16.211E	15	1.6	-	Austria
08	20:57:10.1	46.130N	21.628E	7	2.6	-	Romania
10	0:06:35.7	47.343N	18.204E	6	0.3	-	Bodajk
11	18:00:53.6	48.402N	17.143E	7	1.1	-	Slovakia
11	18:52:49.4	45.905N	17.524E	16	1.6	-	Croatia
12	17:45:26.9	47.643N	19.662E	9	0.9	-	Boldog
12	22:54:47.3	45.585N	16.146E	7	2.0	-	Croatia
12	22:57:41.8	45.570N	16.086E	7	2.0	-	Croatia
13	1:50:10.4	47.728N	16.058E	11	0.7	-	Austria
13	12:43:01.8	46.361N	22.849E	3	1.8	-	Romania
14	18:54:37.3	48.046N	20.414E	4	2.8	3-4	Bélapátfalva
14	18:58:41.8	48.095N	20.393E	10	1.0	-	Szilvásvár

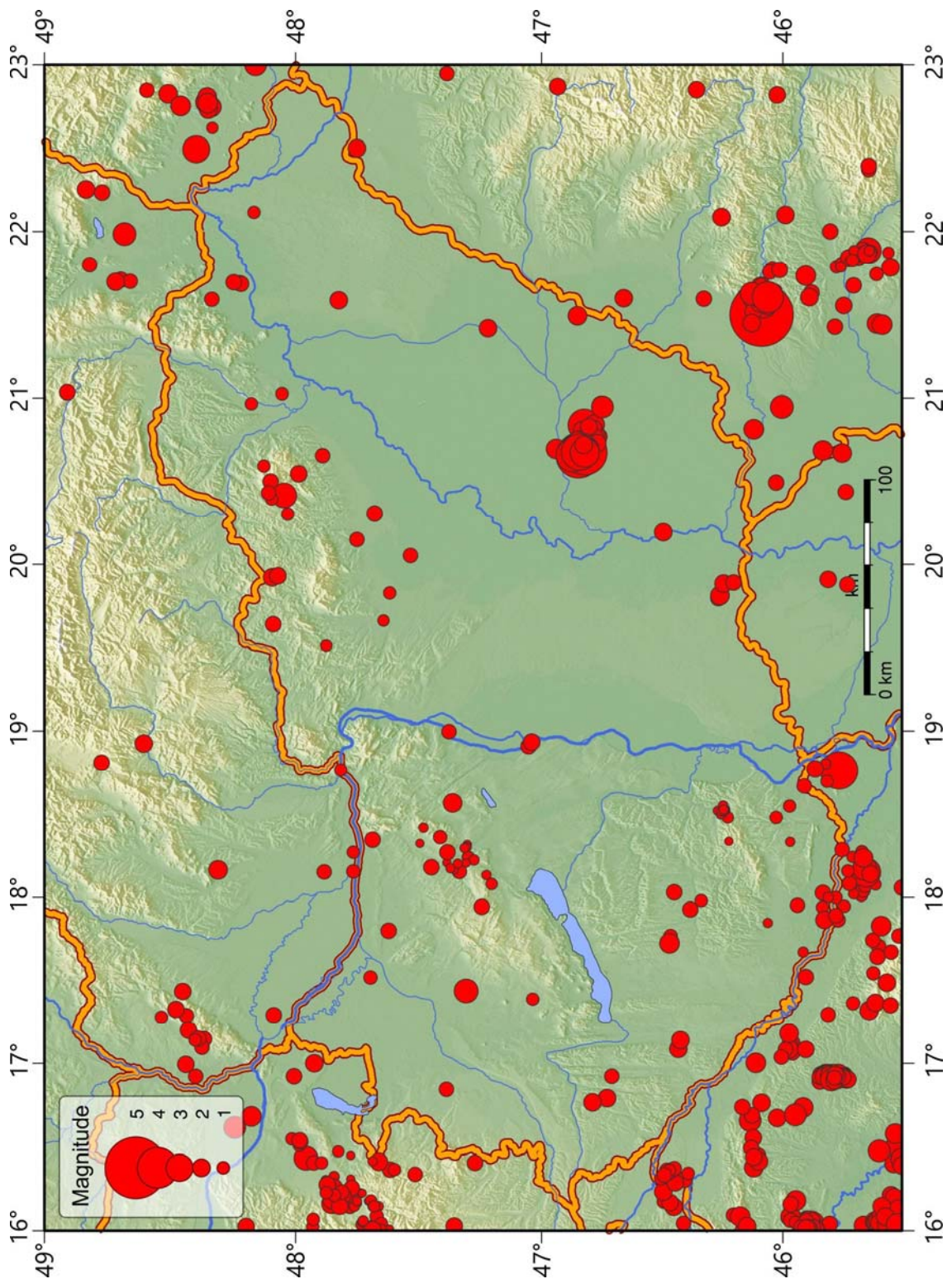
Földrengés paraméterek

Hypocenter Parameters

15	0:58:46.4	48.108N	20.430E	10	1.5	-	Nagyvisnyó
15	9:09:25.1	47.986N	20.545E	10	1.8	-	Bükkzsérc
16	2:57:37.9	45.669N	21.865E	6	2.1	-	Romania
16	9:57:55.5	45.587N	17.829E	6	2.2	-	Croatia
16	19:53:45.8	47.867N	16.273E	12	1.4	-	Austria
20	20:43:03.8	45.500N	16.389E	4	2.0	-	Croatia
23	3:12:58.5	47.851N	16.185E	5	2.1	-	Austria
23	3:18:04.0	47.822N	16.146E	6	1.8	-	Austria
24	0:05:27.8	46.178N	16.086E	10	2.2	-	Croatia
25	0:50:42.2	45.608N	21.747E	10	1.3	-	Romania
25	3:01:45.1	47.812N	16.230E	15	1.4	-	Austria
25	3:26:06.0	45.549N	21.785E	5	1.9	-	Romania
27	18:52:37.9	45.664N	21.886E	12	1.8	-	Romania
29	20:10:23.5	45.669N	18.272E	11	1.0	-	Croatia
DECEMBER / DECEMBER, 2023							
01	10:30:51.0	45.903N	16.011E	10	2.0	-	Croatia
01	20:55:01.9	45.657N	18.174E	6	2.7	-	Croatia
01	21:00:46.7	45.729N	18.159E	11	1.1	-	Croatia
02	18:18:36.8	45.633N	18.139E	6	1.8	-	Croatia
03	11:47:09.4	45.583N	21.439E	10	2.2	-	Romania
05	0:03:24.4	45.654N	21.858E	10	1.2	-	Romania
05	0:08:10.1	45.775N	21.788E	1	1.1	-	Romania
07	3:02:08.9	46.169N	16.740E	10	1.7	-	Croatia
07	9:24:10.7	47.927N	16.068E	8	1.2	-	Austria
07	18:16:47.8	45.685N	21.851E	10	2.1	-	Romania
07	18:51:09.6	45.692N	21.862E	6	1.6	-	Romania
07	18:54:19.5	45.756N	21.813E	0	0.8	-	Romania
07	20:40:13.7	45.757N	21.788E	10	0.6	-	Romania
08	17:33:25.8	45.974N	17.181E	10	2.1	-	Croatia
09	0:51:03.9	45.634N	21.871E	1	1.0	-	Romania
09	5:48:02.7	45.635N	21.877E	0	0.5	-	Romania
09	12:31:41.1	45.725N	21.846E	10	1.7	-	Romania
10	1:13:26.8	45.703N	21.677E	10	1.6	-	Romania
11	9:44:50.6	47.040N	18.934E	12	1.8	-	Rácalmás
11	18:02:27.9	48.452N	17.436E	7	1.8	-	Slovakia
12	3:32:02.6	46.730N	16.793E	18	2.0	-	Lickóvadamos
12	3:39:20.7	46.790N	16.768E	13	2.0	-	Nagylengyel
12	3:54:14.1	45.723N	21.816E	6	0.3	-	Romania
12	3:57:50.1	45.669N	21.855E	10	0.6	-	Romania
12	6:38:58.9	45.629N	21.881E	14	1.1	-	Romania
12	23:05:36.5	45.659N	21.865E	10	0.4	-	Romania
13	1:12:18.3	45.627N	21.863E	12	0.4	-	Romania
13	9:05:21.8	45.662N	18.236E	7	2.1	-	Croatia
14	18:02:02.0	48.773N	22.234E	5	1.6	-	Ukraine
15	0:46:01.3	47.872N	16.275E	9	1.8	-	Austria
15	13:23:45.0	46.062N	21.605E	14	3.3	-	Romania
15	15:20:42.2	48.311N	18.165E	10	2.1	-	Slovakia
15	21:08:25.8	47.842N	16.211E	14	1.2	-	Austria
15	21:27:32.9	46.498N	20.192E	13	1.9	-	Mindszent
15	21:48:49.2	47.875N	16.228E	10	1.2	-	Austria
17	6:55:40.1	45.529N	16.581E	7	2.3	-	Croatia
18	3:53:42.0	46.014N	21.772E	10	1.6	-	Romania
18	9:06:53.8	45.704N	21.839E	10	0.7	-	Romania
18	13:46:54.5	45.520N	16.039E	1	2.4	-	Croatia
18	14:53:38.0	47.695N	16.182E	14	0.8	-	Austria
18	19:31:28.9	46.121N	16.438E	10	1.8	-	Croatia
18	21:34:23.7	47.686N	16.147E	10	0.6	-	Austria
18	21:35:29.9	47.682N	16.146E	13	0.8	-	Austria
19	10:08:50.7	45.558N	21.874E	10	0.8	-	Romania

Hypocenter Parameters**Földrengés paraméterek**








21	21:27:30.9	47.982N	16.539E	12	1.7	-	Austria
22	4:10:33.0	45.701N	21.885E	15	0.7	-	Romania
24	0:52:50.8	46.149N	16.028E	10	2.0	-	Croatia
24	23:26:36.3	45.596N	16.479E	10	2.5	-	Croatia
25	16:10:16.0	45.783N	21.428E	13	1.6	-	Romania
25	18:05:19.6	47.450N	18.181E	12	1.6	-	Felsődobos
26	1:50:38.5	45.708N	21.828E	9	1.1	-	Romania
26	8:02:32.4	45.647N	21.868E	1	2.1	-	Romania
27	2:34:07.5	45.639N	21.885E	10	0.6	-	Romania
28	3:49:09.7	48.093N	19.920E	6	2.0	-	Bárna
28	10:02:03.3	48.356N	22.774E	12	2.4	-	Ukraine
28	20:59:18.9	48.338N	22.747E	1	2.3	-	Ukraine
28	21:06:11.9	48.349N	22.732E	10	2.0	-	Ukraine
28	21:32:49.4	48.354N	22.808E	10	2.1	-	Ukraine
28	22:39:44.6	48.351N	22.767E	10	2.2	-	Ukraine
29	4:04:21.6	48.333N	22.622E	14	0.9	-	Ukraine
30	2:45:23.7	48.244N	16.617E	16	2.4	-	Austria
30	13:34:19.3	48.071N	19.929E	14	1.8	-	Bárna
31	19:21:52.6	45.825N	17.866E	8	2.0	-	Sósvertike
31	20:07:43.8	45.777N	17.892E	12	1.5	-	Croatia
31	20:43:12.9	47.895N	16.406E	15	1.0	-	Austria

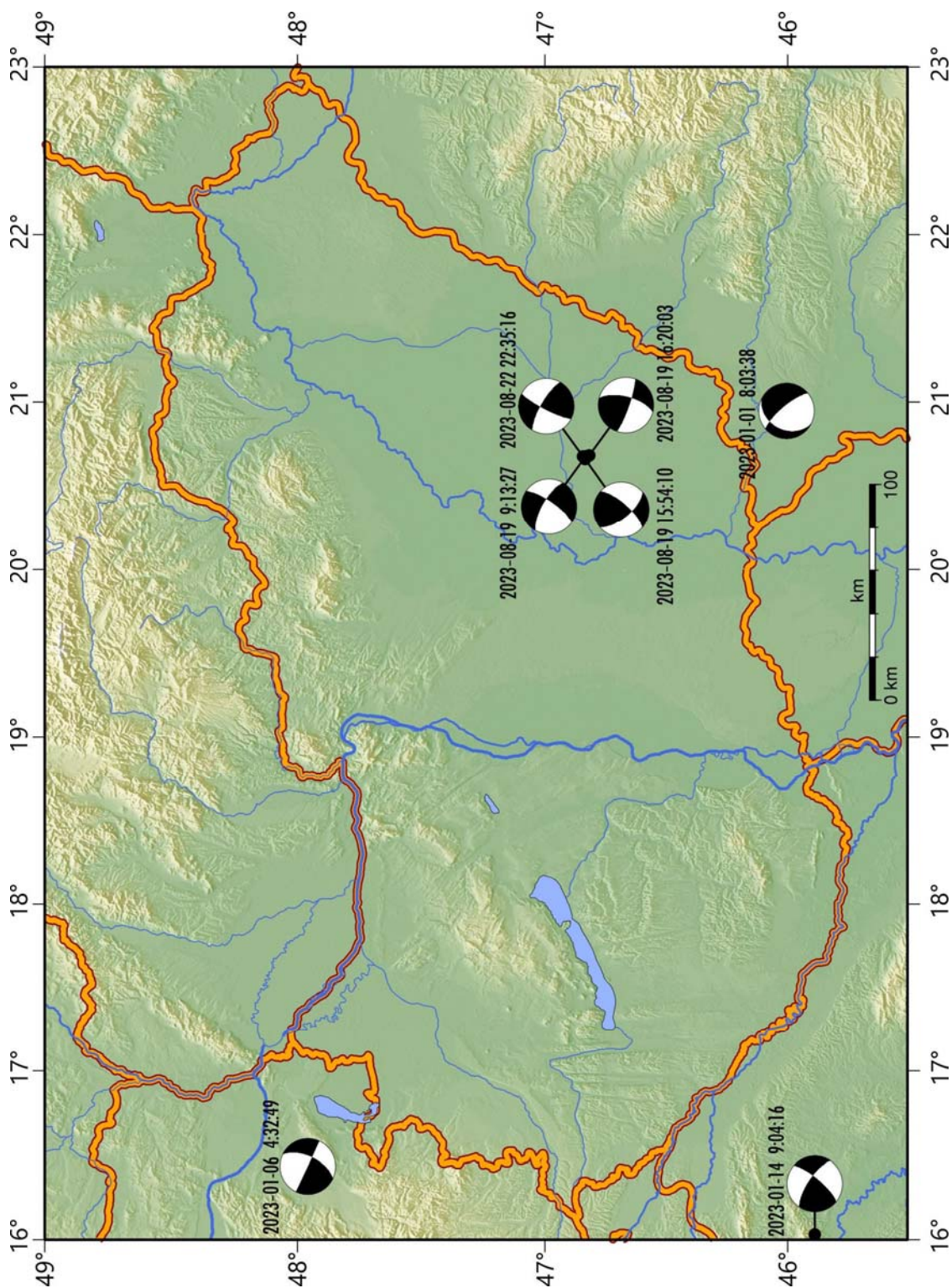


3.1. ábra A 2023-ban regisztrált földrengések epicentrumai

Figure 3.1. Epicenters of 2023 earthquakes

A 2023-ban regisztrált földrengések fészekmechanizmusai
 Fault plane solutions of 2023 earthquakes

No	Date	Time	Epicentre		1st nodal plane			P axis		T axis		
			Lat	Lon	Strike	Dip	Rake	Azim	Plunge	Azim	Plunge	
1	2023.01.01	08:03:38	46.004	20.946	320	75	-120	196	51	73	24	
2	2023.01.06	04:32:49	47.958	16.433	25	60	0	344	21	246	21	
3	2023.01.14	09:04:16	45.886	16.032	40	75	20	172	3	263	25	
4	2023.08.19	09:13:27	46.832	20.675	35	75	-160	258	25	167	3	
5	2023.08.19	15:54:10	46.836	20.659	140	65	20	92	5	359	31	
6	2023.08.19	16:20:03	46.817	20.681	15	65	170	240	11	335	24	
7	2023.08.22	22:35:16	46.844	20.675	300	75	10	254	4	163	18	



3.2. ábra A 2023-ban regisztrált földrengések fészekmechanizmusai

Figure 3.2. Fault plane solutions of 2023 earthquakes

ROBBANTÁSOK LISTÁJA / LIST OF EXPLOSIONS

Nap	Kipattanási idő UTC óó pp mp	Földrajzi koordináták Lat Long	ML	Helyszín
Day	Origin time UTC hr mn sec	Geographic coordinates Lat Long	ML	Locality or Region
JANUÁR / JANUARY, 2023				
02	12:02:25.5	47.983N 16.638E	1.8	Austria
03	12:33:01.6	47.891N 16.064E	1.3	Austria
06	8:54:03.6	46.138N 18.071E	1.0	Abaliget
06	15:36:57.4	47.840N 16.022E	1.3	Austria
08	20:36:38.1	48.895N 21.789E	1.4	Slovakia
09	12:02:18.5	47.880N 16.065E	0.8	Austria
10	8:39:14.0	47.332N 18.445E	2.0	Zámoly
10	10:14:14.3	48.891N 21.105E	1.8	Slovakia
11	10:01:19.8	47.182N 18.277E	0.5	Sárkeszi
11	10:25:45.6	48.586N 20.769E	2.0	Slovakia
11	10:30:01.1	48.426N 17.214E	2.3	Slovakia
11	11:00:02.5	48.139N 16.890E	1.8	Austria
11	12:20:53.7	47.872N 16.043E	1.2	Austria
11	12:32:13.1	47.919N 16.117E	1.3	Austria
12	9:56:25.4	47.779N 18.669E	1.2	Slovakia
13	11:11:09.3	48.121N 21.358E	1.6	Tarcal
13	12:01:42.3	47.963N 16.637E	1.8	Austria
15	8:58:39.8	48.518N 17.265E	1.4	Slovakia
16	12:22:33.3	47.878N 16.072E	1.2	Austria
16	12:31:17.3	47.860N 16.055E	1.3	Austria
16	13:14:57.5	47.064N 19.370E	1.9	Tatárszentgyörgy
17	8:04:42.5	47.329N 18.452E	1.6	Zámoly
17	8:52:03.0	48.526N 17.465E	1.7	Slovakia
17	9:22:24.5	46.300N 22.023E	1.8	Romania
18	9:21:14.6	46.891N 17.382E	1.8	Lesenceistvánd
19	9:50:23.3	48.527N 20.830E	1.4	Becskeháza
19	13:01:13.2	46.113N 18.033E	1.5	Bükkösd
20	8:23:27.9	48.574N 20.768E	1.8	Tornanádaska
20	10:03:21.4	47.908N 16.112E	1.3	Austria
23	8:01:29.7	47.956N 16.056E	1.4	Austria
23	9:50:54.4	47.193N 18.301E	1.5	Székesfehérvár
23	13:21:30.7	47.527N 18.470E	1.0	Szárliget
24	9:26:31.2	48.443N 19.511E	1.7	Slovakia
24	10:05:03.0	47.183N 18.318E	0.4	Székesfehérvár
24	13:28:03.5	48.416N 22.740E	1.5	Ukraine
25	8:38:43.2	46.793N 17.248E	1.5	Cserszegtomaj
25	8:42:08.9	47.987N 16.699E	1.1	Austria
25	12:08:37.7	47.912N 16.104E	1.2	Austria
26	10:52:13.7	47.196N 18.304E	0.4	Székesfehérvár
27	11:09:38.9	46.106N 18.075E	1.1	Bakonya
28	12:57:54.2	45.518N 17.813E	1.4	Croatia
30	10:29:22.8	48.533N 20.783E	1.9	Bódvalenke
31	9:01:33.4	47.320N 18.380E	2.3	Zámoly
31	12:27:07.9	47.573N 18.463E	1.2	Tatabánya

FEBRUÁR / FEBRUARY, 2023

Földrengés paraméterek

Hypocenter Parameters

01	9:07:18.0	46.879N	17.464E	1.5	Tapolca
01	10:19:19.7	48.635N	20.792E	1.8	Slovakia
01	12:46:55.4	47.864N	16.033E	0.9	Austria
01	12:51:18.6	47.872N	16.043E	1.5	Austria
02	10:45:44.6	47.188N	18.315E	1.0	Székesfehérvár
03	9:09:56.6	47.052N	18.061E	1.0	Balatonfűzfő
03	9:10:45.3	47.079N	18.091E	1.3	Papkeszi
06	8:48:09.4	47.044N	18.051E	1.4	Balatonalmádi
06	9:28:31.9	48.404N	21.497E	1.2	Nagyhuta
06	9:56:33.5	47.972N	16.086E	1.2	Austria
06	14:24:43.1	47.062N	19.408E	2.0	Tatárszentgyörgy
07	10:03:03.3	48.939N	20.531E	2.2	Slovakia
07	12:01:02.5	47.208N	18.227E	1.0	Csór
07	12:04:33.9	47.203N	18.235E	1.5	Csór
07	12:45:39.4	47.847N	16.035E	0.9	Austria
08	9:30:45.4	46.861N	17.424E	1.8	Raposka
08	9:44:44.3	48.609N	20.747E	1.9	Slovakia
08	9:50:55.6	48.500N	17.530E	2.2	Slovakia
08	11:55:42.7	47.190N	18.292E	0.9	Sárkeszi
09	8:51:56.4	48.050N	20.714E	1.6	Miskolctapolca
09	9:20:00.6	48.487N	19.861E	2.0	Slovakia
09	9:41:02.2	48.717N	21.400E	1.5	Slovakia
09	9:45:55.8	47.822N	19.063E	1.7	Verőce
09	12:15:48.5	47.862N	16.032E	1.6	Austria
09	14:26:13.0	47.107N	19.340E	2.1	Tatárszentgyörgy
10	9:15:19.6	46.195N	18.285E	1.3	Komló
10	10:00:04.1	48.432N	17.213E	2.2	Slovakia
13	8:20:17.6	47.251N	18.385E	1.3	Sárkeresztes
13	9:18:32.0	48.331N	21.537E	1.8	Hercegkút
13	9:32:12.0	47.263N	18.348E	1.3	Sárkeresztes
13	10:00:23.1	46.147N	18.013E	1.0	Hetvehely
13	10:32:20.4	47.891N	16.074E	1.0	Austria
13	11:00:52.9	47.181N	18.211E	0.9	Csór
13	12:43:58.7	47.930N	16.109E	1.3	Austria
13	12:51:37.5	47.069N	19.423E	2.0	Tatárszentgyörgy
13	13:05:20.5	47.072N	19.431E	2.0	Tatárszentgyörgy
14	10:07:52.2	47.870N	16.058E	1.4	Austria
14	10:40:37.5	47.189N	18.298E	0.7	Székesfehérvár
14	11:34:35.4	48.644N	21.437E	1.9	Slovakia
14	12:44:49.0	47.063N	19.388E	1.9	Tatárszentgyörgy
14	13:03:44.8	47.060N	19.432E	2.0	Tatárszentgyörgy
15	13:28:49.7	47.075N	19.375E	1.9	Tatárszentgyörgy
16	14:14:27.8	47.071N	19.431E	1.9	Tatárszentgyörgy
17	9:07:23.3	47.660N	16.618E	1.5	Harka
17	9:44:10.7	48.852N	21.604E	1.7	Slovakia
17	10:23:20.5	47.319N	16.382E	2.0	Austria
20	9:13:60.0	47.115N	17.869E	1.5	Márkó
20	9:56:54.0	46.131N	18.048E	1.0	Hetvehely
20	11:00:00.3	48.035N	17.055E	1.9	Slovakia
20	12:41:09.7	46.131N	16.367E	2.0	Croatia
21	8:30:35.4	47.254N	17.691E	1.5	Bakonybél
21	9:21:30.8	46.103N	21.691E	1.9	Romania
21	9:35:38.5	48.787N	16.157E	1.9	Czechia
22	8:37:12.7	46.833N	17.420E	1.8	Hegymagas
22	9:54:24.5	48.541N	17.443E	1.5	Slovakia
22	10:29:52.7	47.184N	18.297E	0.7	Sárkeszi
23	8:09:20.5	47.328N	18.510E	1.8	Lovasberény
23	8:42:19.6	47.836N	16.024E	0.8	Austria
23	9:44:03.0	46.287N	22.039E	2.2	Romania
23	11:13:38.6	48.418N	19.093E	1.9	Slovakia

Hypocenter Parameters

Földrengés paraméterek

23	12:18:37.7	47.852N	19.136E	1.6	Szendehely
23	12:28:11.0	47.868N	16.054E	1.6	Austria
23	13:07:34.1	48.574N	21.540E	1.5	Slovakia
24	9:07:24.0	48.591N	20.808E	1.7	Slovakia
24	10:20:57.5	47.236N	18.245E	0.9	Iszkaszentgyörgy
24	14:36:34.9	45.519N	17.280E	1.7	Croatia
25	8:27:17.6	46.169N	18.296E	0.7	Zobákpuszta
27	7:59:09.0	48.339N	21.473E	1.6	Komlóska
27	11:32:22.5	47.491N	18.701E	1.3	Herceghalom
27	12:36:58.0	46.142N	16.407E	2.2	Croatia
27	13:24:57.3	48.382N	19.830E	1.8	Slovakia
28	8:25:18.8	47.096N	17.986E	1.5	Litér
28	9:41:50.1	47.863N	19.874E	2.2	Gyöngyösoroszi
28	10:03:09.3	48.535N	17.458E	2.1	Slovakia
28	10:30:23.2	47.203N	18.296E	0.6	Székesfehérvár
28	11:00:45.3	48.157N	16.900E	1.9	Austria
28	11:12:49.9	48.827N	21.646E	1.9	Slovakia
28	11:15:45.6	48.827N	21.633E	2.1	Slovakia

MÁRCIUS / MARCH, 2023

01	7:59:32.1	46.025N	22.781E	1.8	Romania
01	9:56:17.8	46.827N	17.527E	1.7	Salföld
01	11:07:20.4	47.960N	20.032E	2.1	Mátraballa
01	11:09:02.7	48.037N	20.012E	1.9	Ivád
01	14:04:50.3	48.701N	22.415E	1.5	Ukraine
02	9:03:48.6	47.874N	16.049E	1.4	Austria
02	9:40:08.3	48.448N	17.470E	2.0	Slovakia
02	9:48:10.4	48.602N	20.791E	1.7	Slovakia
02	10:07:11.7	48.261N	21.275E	2.2	Tállya
02	10:20:03.8	48.418N	17.223E	2.0	Slovakia
02	13:17:00.2	47.533N	18.419E	1.2	Vértessomló
03	8:09:38.0	47.657N	18.546E	1.7	Héreg
03	8:51:49.5	48.084N	20.726E	1.3	Miskolctapolca
03	9:24:13.1	48.681N	20.767E	1.9	Slovakia
04	9:07:46.8	46.200N	18.271E	1.0	Komló
06	7:48:07.7	48.281N	21.570E	1.7	Sárospatak
06	8:01:08.1	47.587N	18.686E	1.4	Szomor
06	8:43:28.3	47.052N	18.056E	1.2	Balatonfűzfő
06	8:51:03.5	48.513N	19.394E	1.7	Slovakia
06	9:20:26.4	48.667N	21.425E	1.8	Slovakia
06	10:42:41.2	48.610N	20.762E	1.6	Slovakia
06	13:05:41.0	47.098N	19.386E	2.0	Tatárszentgyörgy
07	9:10:13.3	47.844N	16.069E	1.3	Austria
07	10:01:27.0	48.541N	17.597E	1.8	Slovakia
07	10:56:41.1	47.202N	18.280E	1.0	Csór
07	12:40:35.7	47.074N	19.429E	1.8	Tatárszentgyörgy
07	12:53:39.5	47.076N	19.418E	1.8	Tatárszentgyörgy
07	13:05:11.2	48.968N	20.680E	1.6	Slovakia
07	13:08:05.7	47.066N	19.427E	1.9	Tatárszentgyörgy
08	7:38:20.7	46.013N	22.827E	1.8	Romania
08	8:34:17.2	46.820N	17.334E	1.7	Lesencefalv
08	8:52:41.8	46.028N	22.767E	1.7	Romania
08	9:37:26.9	48.819N	18.973E	1.8	Slovakia
08	10:25:34.8	48.607N	20.767E	1.6	Slovakia
08	12:16:17.3	48.489N	20.339E	1.6	Slovakia
08	12:39:01.7	46.170N	16.433E	2.2	Croatia
08	13:32:50.1	47.070N	19.403E	2.0	Tatárszentgyörgy
09	8:54:22.6	48.793N	20.785E	1.7	Slovakia
09	10:46:48.7	47.194N	18.282E	0.7	Sárkeszi
09	11:20:52.6	48.216N	21.222E	1.9	Rátka

Földrengés paraméterek

Hypocenter Parameters

09	12:50:27.9	47.874N	16.073E	1.4	Austria
10	8:57:12.8	48.433N	19.556E	1.7	Slovakia
10	10:23:44.3	47.301N	16.351E	1.9	Austria
10	10:30:02.6	47.543N	16.323E	1.7	Austria
10	11:39:54.9	47.542N	18.507E	1.5	Szárliiget
13	7:06:22.3	48.509N	17.505E	1.5	Slovakia
13	7:18:01.7	47.251N	18.374E	1.3	Sárkeresztes
13	13:07:18.7	47.870N	16.080E	1.4	Austria
13	15:12:44.9	47.898N	16.104E	1.6	Austria
14	9:23:04.5	48.573N	20.785E	1.5	Tornanádaska
14	10:58:12.9	47.148N	18.302E	0.9	Úrhida
14	12:16:13.0	48.329N	19.899E	1.7	Slovakia
14	13:03:03.4	47.621N	18.457E	1.6	Vérttestolna
14	14:01:11.4	47.221N	16.296E	2.0	Austria
15	7:35:34.1	48.549N	17.463E	1.9	Slovakia
16	7:48:28.8	47.773N	19.386E	1.7	Püspökatvan
16	8:35:34.2	45.890N	18.405E	1.3	Villánykövesd
16	8:47:05.6	46.161N	18.315E	1.1	Zobákpuszta
16	9:40:42.9	48.643N	20.791E	1.6	Slovakia
16	9:50:59.7	48.401N	18.560E	2.1	Slovakia
16	10:42:52.4	47.184N	18.337E	1.2	Székesfehérvár
16	12:41:02.0	47.875N	16.064E	1.0	Austria
17	8:49:13.2	46.896N	22.801E	1.4	Romania
17	9:14:02.5	48.579N	20.788E	1.6	Tornanádaska
17	9:30:58.9	48.476N	21.742E	1.8	Slovakia
17	10:20:15.9	48.285N	18.568E	2.1	Slovakia
17	11:23:45.2	47.561N	18.474E	1.3	Tatabánya
20	7:57:10.4	47.845N	19.072E	1.4	Szendehely
20	8:52:52.7	47.905N	19.068E	1.6	Nógrád
20	9:02:47.7	47.347N	18.463E	1.5	Lovasberény
20	9:10:39.4	47.331N	18.492E	1.1	Lovasberény
21	7:45:42.3	46.020N	22.767E	1.7	Romania
21	9:35:22.8	46.021N	22.773E	1.7	Romania
21	9:36:25.3	48.588N	17.462E	1.8	Slovakia
21	9:43:55.5	47.952N	19.084E	1.9	Borsosberény
21	10:12:52.0	46.075N	21.757E	1.9	Romania
21	10:32:34.2	48.434N	21.458E	1.4	Kishuta
22	8:42:07.0	48.428N	17.245E	1.9	Slovakia
22	9:10:51.6	48.363N	19.776E	1.7	Slovakia
22	9:55:29.8	47.239N	18.240E	0.6	Iszkaszentgyörgy
22	10:03:35.5	48.510N	17.474E	1.8	Slovakia
22	10:06:55.8	47.966N	16.079E	1.3	Austria
22	11:19:58.2	47.314N	16.370E	2.0	Austria
22	12:00:03.8	48.424N	17.214E	2.0	Slovakia
23	8:07:59.6	48.084N	20.693E	1.5	Bükkszentlászló
23	9:48:31.3	48.284N	21.358E	2.1	Erdőbénye
24	10:13:19.4	48.557N	21.728E	1.6	Slovakia
24	10:23:52.5	48.352N	18.952E	2.0	Slovakia
24	11:00:07.1	48.141N	16.817E	1.8	Austria
24	13:07:48.9	47.168N	18.253E	0.8	Sárkeszi
25	9:06:38.9	46.225N	18.243E	1.3	Komló
27	8:11:52.1	48.584N	20.755E	1.5	Slovakia
27	9:12:55.4	47.311N	16.319E	1.8	Austria
28	8:20:59.5	46.053N	18.100E	1.6	Zók
28	8:29:06.6	47.275N	18.372E	1.5	Sárkeresztes
28	9:04:23.9	47.886N	16.070E	1.3	Austria
29	7:16:03.5	46.853N	17.359E	1.8	Lesencetomaj
29	8:28:48.6	48.624N	17.509E	1.8	Slovakia
29	9:16:04.4	48.568N	20.736E	1.6	Komjáti
29	9:43:19.3	47.876N	16.044E	1.1	Austria

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Földrengés paraméterek

29	11:28:10.8	46.037N	22.742E	1.6	Romania
30	8:11:09.8	46.131N	18.042E	1.1	Hetvehely
30	9:43:20.0	47.257N	18.256E	0.8	Kincsesbánya
30	10:10:36.1	47.295N	17.678E	1.3	Bakonykoppány
30	11:00:51.1	48.877N	20.920E	2.0	Slovakia
30	11:08:05.3	47.543N	18.531E	1.3	Nagyegyháza
30	11:33:56.4	47.888N	16.072E	1.2	Austria
30	11:41:18.0	47.951N	16.111E	0.6	Austria
31	6:59:06.1	47.833N	19.140E	1.6	Szendehely
31	7:37:10.2	45.871N	18.414E	1.2	Villánykövesd
31	7:54:57.1	47.095N	18.071E	1.5	Papkeszi
31	9:15:27.5	47.842N	20.163E	1.7	Tarnaszentmária
31	9:26:17.5	48.235N	21.263E	2.1	Tállya

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03	8:07:04.1	48.052N	20.677E	1.4	Kisgyőr
03	8:19:35.0	48.132N	21.344E	1.2	Tarcal
03	9:07:31.8	48.424N	17.233E	2.2	Slovakia
04	6:33:04.6	47.328N	18.442E	1.4	Zámoly
04	7:59:23.2	48.130N	21.338E	1.6	Tarcal
04	9:03:56.1	47.103N	17.960E	0.9	Kádárta
04	9:12:23.5	48.492N	20.792E	1.4	Tornabarakony
04	9:38:18.8	48.638N	21.346E	1.6	Slovakia
04	9:48:39.2	47.951N	16.129E	0.9	Austria
04	9:58:16.6	47.214N	18.299E	1.0	Moha
04	11:00:12.9	48.876N	20.924E	1.9	Slovakia
04	14:27:27.8	47.309N	16.396E	1.7	Austria
05	7:43:12.1	46.835N	17.213E	1.8	Rezi
05	8:51:48.0	48.892N	20.956E	1.4	Slovakia
05	9:54:34.3	47.265N	18.240E	0.8	Kincsesbánya
05	10:03:33.9	48.606N	20.902E	1.6	Slovakia
05	10:12:43.1	48.605N	20.738E	1.4	Slovakia
06	7:39:46.8	48.990N	19.278E	1.6	Slovakia
06	7:56:24.1	47.885N	16.075E	0.9	Austria
06	8:52:04.4	46.154N	18.003E	1.6	Hetvehely
06	9:13:38.2	48.423N	19.150E	1.7	Slovakia
06	9:45:52.2	46.035N	22.816E	1.7	Romania
06	10:10:15.4	48.231N	21.226E	2.0	Tállya
11	7:07:23.0	47.288N	18.345E	1.5	Magyaralmás
11	8:06:50.3	48.473N	17.503E	1.9	Slovakia
11	8:14:52.0	48.225N	21.258E	2.0	Tállya
11	10:00:01.2	48.155N	16.910E	2.0	Austria
11	13:35:38.9	47.111N	19.312E	1.9	Tatárszentgyörgy
11	15:17:47.5	46.110N	21.747E	1.6	Romania
12	8:17:17.2	46.183N	18.252E	1.2	Mánfa
12	8:22:41.0	48.582N	18.816E	1.8	Slovakia
12	8:30:21.8	48.889N	21.093E	1.6	Slovakia
12	8:35:22.6	45.645N	17.300E	2.1	Croatia
12	8:41:06.7	47.192N	18.230E	1.0	Csór
12	8:46:56.2	48.940N	19.798E	1.6	Slovakia
12	8:58:48.8	48.498N	17.308E	1.6	Slovakia
12	9:41:59.7	48.592N	20.787E	1.6	Slovakia
12	10:25:03.4	47.213N	18.279E	0.8	Iszkaszentgyörgy
12	10:44:56.0	48.431N	17.249E	1.9	Slovakia
12	12:27:03.1	47.916N	16.145E	1.2	Austria
12	13:02:08.0	47.400N	18.601E	1.1	Tabajd
13	6:09:48.3	46.020N	22.806E	1.6	Romania
13	6:48:00.3	47.985N	20.655E	1.4	Kisgyőr
13	7:51:49.4	46.011N	22.796E	1.6	Romania
13	8:23:26.0	48.518N	17.465E	1.8	Slovakia

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13	8:50:36.9	48.618N	20.795E	1.3	Slovakia
13	8:55:28.2	47.897N	19.110E	1.4	Berkenye
13	9:22:08.1	48.281N	21.231E	1.9	Abaújalpár
13	10:31:18.6	48.136N	16.852E	1.8	Austria
13	10:57:23.7	48.460N	20.792E	1.2	Martonyi
13	13:14:27.1	47.101N	19.365E	2.0	Tatárszentgyörgy
14	6:45:01.5	48.461N	17.443E	1.5	Slovakia
14	8:13:23.9	46.133N	18.087E	1.1	Abaliget
14	8:48:60.0	47.947N	19.760E	1.6	Tar
14	9:06:46.6	48.251N	21.227E	2.0	Táallya
15	8:19:28.5	48.567N	20.758E	1.4	Tornanádaska
15	8:37:42.3	46.263N	18.222E	1.2	Kisvaszar
17	7:35:56.7	48.610N	20.769E	1.5	Slovakia
17	7:37:41.0	45.874N	18.411E	1.1	Villánykövesd
17	8:21:43.1	48.521N	19.374E	1.5	Slovakia
17	9:10:42.2	48.873N	21.848E	1.6	Slovakia
17	9:26:32.3	47.106N	18.225E	0.7	Jenő
17	11:26:51.9	47.867N	16.058E	1.1	Austria
18	7:33:05.8	47.318N	18.431E	1.5	Zámoly
18	8:57:42.7	48.235N	21.254E	2.1	Táallya
18	9:00:13.1	47.209N	18.319E	1.0	Székesfehérvár
18	10:00:56.2	48.568N	20.686E	1.4	Bódvaszilas
18	12:43:24.1	47.518N	18.569E	1.0	Nagyegyháza
18	13:29:32.7	47.301N	16.347E	1.8	Austria
19	6:13:33.8	47.985N	16.105E	1.1	Austria
19	7:14:29.5	47.995N	16.609E	1.0	Austria
19	8:59:14.3	46.870N	17.353E	1.8	Lesenceistvánd
19	12:33:55.7	48.908N	22.206E	1.8	Slovakia
20	6:32:57.9	47.974N	16.082E	1.2	Austria
20	7:09:48.3	48.018N	20.643E	1.3	Kisgyőr
20	8:59:47.4	47.379N	18.377E	1.2	Gánt
20	9:00:38.3	47.326N	18.441E	1.4	Zámoly
20	9:17:26.9	48.612N	21.451E	1.6	Slovakia
20	9:19:46.8	47.212N	18.293E	1.0	Moha
21	7:04:08.9	48.510N	17.512E	1.5	Slovakia
21	7:25:10.8	48.006N	20.324E	1.3	Szarvaskő
21	7:34:34.4	48.423N	17.201E	1.8	Slovakia
21	7:55:15.2	46.017N	22.821E	1.9	Romania
21	8:43:54.2	46.057N	22.878E	1.7	Romania
21	8:54:31.3	48.610N	20.785E	1.4	Slovakia
21	9:57:42.7	47.087N	18.004E	1.1	Litér
21	10:00:26.0	48.167N	16.890E	1.7	Austria
22	8:04:58.2	48.547N	20.767E	1.3	Komjáti
24	6:01:39.1	45.636N	17.280E	1.3	Croatia
24	10:28:11.8	48.850N	21.216E	1.7	Slovakia
24	11:50:46.3	46.890N	22.386E	1.5	Romania
24	15:48:31.8	48.240N	21.248E	1.8	Táallya
25	7:29:38.0	48.518N	17.493E	1.6	Slovakia
25	7:32:52.4	47.886N	16.056E	1.1	Austria
25	7:51:51.7	48.518N	17.485E	1.3	Slovakia
25	8:49:54.1	48.527N	18.847E	1.8	Slovakia
25	9:46:41.5	47.190N	18.295E	0.7	Sárkeszi
25	10:08:02.3	48.228N	21.258E	1.9	Táallya
25	10:16:37.0	48.483N	19.559E	1.5	Slovakia
25	10:33:26.6	48.355N	18.983E	2.0	Slovakia
26	7:18:19.2	48.051N	20.721E	1.2	Miskolctapolca
26	8:12:13.7	47.845N	19.250E	1.5	Keszeg
26	9:15:41.0	46.138N	18.046E	1.4	Hetvehely
26	9:23:33.8	48.502N	20.753E	1.3	Bódvarákó
26	10:19:03.2	47.578N	16.357E	1.1	Austria

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26	14:36:51.9	47.320N	16.351E	1.8	Austria
27	7:34:26.1	48.207N	21.336E	2.2	Szegi
27	7:47:05.9	46.042N	22.813E	1.7	Romania
27	8:15:11.8	46.114N	17.965E	1.7	Dinnyeberki
27	8:25:58.3	48.590N	20.726E	1.5	Slovakia
27	8:27:23.4	45.613N	17.309E	1.6	Croatia
27	9:55:11.2	47.146N	18.377E	0.8	Sárszentmihály
27	10:28:48.5	47.507N	16.319E	1.6	Austria
27	11:52:23.1	47.873N	16.061E	1.2	Austria
28	6:03:24.1	48.432N	17.261E	1.8	Slovakia
28	6:26:17.2	46.129N	18.049E	1.0	Hetvehely
28	7:15:02.3	47.345N	17.626E	1.6	Csót
28	8:20:26.3	48.109N	21.351E	1.4	Tarcal
28	9:03:02.9	48.704N	18.666E	1.7	Slovakia
28	9:54:50.5	48.522N	20.763E	1.5	Tornaszentandrás
28	10:00:25.7	48.145N	16.909E	1.5	Austria
29	8:29:48.9	48.528N	20.764E	1.2	Tornaszentandrás

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02	7:27:42.7	47.629N	18.431E	1.7	Vértestolna
02	9:15:01.3	48.812N	21.590E	1.9	Slovakia
02	9:55:03.0	48.998N	19.313E	1.6	Slovakia
02	10:05:43.6	48.938N	20.535E	1.4	Slovakia
02	10:07:36.0	48.877N	20.514E	1.6	Slovakia
02	10:33:14.6	48.644N	20.695E	1.5	Slovakia
03	6:47:01.2	48.042N	20.707E	1.3	Kisgyőr
03	8:01:55.2	48.528N	20.793E	1.5	Bódvalenke
03	10:03:12.9	48.842N	21.321E	1.8	Slovakia
03	10:31:32.5	47.834N	20.191E	1.7	Vécs
03	13:35:02.3	47.661N	16.382E	1.4	Austria
04	6:52:36.4	45.697N	17.309E	1.4	Croatia
04	8:48:19.4	45.994N	22.778E	1.7	Romania
04	9:35:33.6	48.584N	20.768E	1.4	Slovakia
04	11:47:59.1	47.305N	18.417E	1.9	Zámoly
05	7:34:01.2	48.524N	17.489E	1.7	Slovakia
05	8:05:15.2	46.132N	18.066E	1.0	Abaliget
05	8:17:54.1	48.958N	19.808E	1.4	Slovakia
05	8:36:10.6	48.507N	20.745E	1.3	Bódvarákó
05	8:57:46.8	47.187N	18.087E	0.9	Várpalota
05	9:15:05.6	47.213N	18.264E	0.8	Iszkaszentgyörgy
05	10:16:32.7	47.924N	16.456E	1.3	Austria
08	11:04:51.9	47.944N	16.638E	1.2	Austria
08	11:09:37.3	45.787N	17.293E	1.4	Croatia
09	7:59:17.4	47.995N	20.347E	1.3	Szarvaskő
09	8:16:18.7	47.331N	18.447E	1.6	Zámoly
09	8:31:30.5	47.826N	19.921E	2.0	Gyöngyössolymos
09	9:06:08.9	48.495N	20.723E	1.4	Bódvarákó
09	9:22:11.3	47.868N	19.107E	1.5	Szendehely
09	9:59:54.8	48.605N	21.397E	1.7	Slovakia
09	14:30:09.4	47.421N	16.292E	1.7	Austria
09	14:37:24.5	47.902N	20.165E	1.6	Tarnaszentmária
10	6:54:18.2	46.066N	22.814E	1.7	Romania
10	8:00:22.9	47.957N	16.070E	1.0	Austria
10	8:17:09.9	48.753N	16.464E	1.6	Austria
10	9:09:01.7	48.900N	21.038E	1.4	Slovakia
10	9:09:30.5	46.857N	17.288E	1.9	Várvölgy
10	9:13:10.2	48.893N	21.032E	1.6	Slovakia
10	10:23:03.6	48.695N	20.739E	1.4	Slovakia
11	8:07:48.2	46.140N	18.075E	1.1	Abaliget
11	8:37:51.0	48.539N	20.745E	1.3	Komjáti

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11	8:59:06.4	47.111N	17.900E	1.7	Veszprém
12	6:55:55.5	48.430N	17.275E	1.8	Slovakia
12	8:15:44.8	48.782N	20.788E	1.5	Slovakia
12	8:29:56.6	47.853N	16.028E	0.9	Austria
12	8:37:01.4	48.084N	20.701E	1.5	Miskolctapolca
15	7:45:48.3	48.018N	19.643E	1.5	Lucfalva
15	8:22:09.9	48.577N	20.734E	1.3	Slovakia
15	8:34:53.7	48.525N	17.483E	1.5	Slovakia
15	9:04:52.9	47.504N	18.473E	1.1	Szárliget
15	11:36:52.9	46.244N	16.402E	1.6	Croatia
15	13:42:49.4	47.099N	19.355E	1.9	Tatárszentgyörgy
16	7:08:58.3	48.540N	17.475E	1.2	Slovakia
16	8:45:33.9	48.484N	19.395E	1.7	Slovakia
16	8:55:25.2	48.477N	21.753E	1.7	Slovakia
16	8:57:42.6	47.739N	20.001E	1.8	Karácsond
16	9:26:23.8	48.674N	20.837E	1.7	Slovakia
16	10:00:01.3	48.221N	16.909E	1.8	Austria
16	12:39:32.1	47.052N	19.494E	1.9	Felsőlajos
16	13:03:00.2	47.064N	19.472E	2.1	Felsőlajos
16	13:20:25.7	47.063N	19.430E	1.9	Tatárszentgyörgy
17	7:56:19.8	46.054N	22.800E	1.8	Romania
17	9:25:19.1	47.204N	18.312E	0.7	Székesfehérvár
17	9:29:02.7	48.348N	19.872E	2.1	Slovakia
17	10:55:47.4	46.523N	22.540E	1.8	Romania
17	11:36:14.5	47.073N	19.406E	1.6	Tatárszentgyörgy
18	7:35:17.8	47.851N	19.127E	1.5	Szendehely
18	8:36:47.9	47.711N	18.609E	1.9	Mogyorósbánya
18	9:05:21.8	48.597N	20.775E	1.6	Slovakia
18	9:19:58.2	48.425N	17.234E	1.9	Slovakia
18	9:34:28.4	48.520N	17.486E	1.4	Slovakia
18	10:50:36.0	48.846N	21.576E	1.6	Slovakia
18	14:35:15.2	47.097N	19.387E	1.6	Tatárszentgyörgy
19	6:34:51.9	48.006N	20.336E	1.1	Szarvaskő
19	8:41:45.6	46.225N	18.264E	1.0	Kisbattyán
19	9:30:22.4	48.407N	20.763E	1.4	Szendró
19	9:39:45.1	47.263N	18.233E	0.7	Kincsesbánya
19	9:47:50.1	47.973N	16.097E	1.1	Austria
19	9:53:29.6	47.183N	18.315E	1.2	Székesfehérvár
19	9:58:26.3	47.978N	16.099E	1.1	Austria
19	13:51:29.2	48.229N	21.273E	2.1	Tállya
22	8:04:47.8	47.874N	16.058E	1.2	Austria
22	8:07:46.3	48.560N	20.708E	1.4	Bódvaszilas
22	8:51:13.3	46.173N	22.791E	1.6	Romania
22	9:17:39.5	48.524N	20.706E	1.2	Bódvaszilas
23	6:08:45.6	47.888N	16.069E	1.2	Austria
23	6:20:59.0	48.282N	21.536E	1.6	Bodrogolaszi
23	6:32:49.2	46.075N	22.830E	1.6	Romania
23	8:01:04.3	48.469N	17.409E	1.8	Slovakia
23	8:04:09.6	48.588N	20.760E	1.4	Slovakia
23	8:18:05.3	46.056N	22.812E	1.7	Romania
23	9:18:44.2	47.333N	18.435E	1.7	Zámoly
23	10:03:12.9	48.739N	19.860E	1.4	Slovakia
23	10:13:37.0	47.549N	18.479E	1.1	Szárliget
23	10:28:02.7	48.348N	19.785E	1.6	Slovakia
23	11:15:48.5	45.812N	17.225E	1.6	Croatia
24	7:39:26.3	48.814N	19.461E	1.5	Slovakia
24	8:04:51.3	47.883N	20.140E	2.0	Tarnaszentmária
24	9:13:02.2	48.591N	20.801E	1.5	Slovakia
24	9:28:33.5	46.844N	17.334E	1.4	Lesencefalu
24	9:38:02.0	46.831N	17.326E	1.7	Lesencefalu

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25	7:13:22.8	48.526N	17.486E	1.6	Slovakia
25	7:57:14.8	47.090N	18.038E	1.5	Királyszentistván
25	8:46:39.6	47.900N	19.338E	1.9	Szécsénke
25	8:59:54.7	48.506N	21.539E	1.9	Vilyvitány
25	9:38:37.6	47.198N	18.321E	0.9	Székesfehérvár
25	10:12:29.3	45.566N	17.647E	1.5	Croatia
25	10:55:40.5	48.675N	19.159E	1.9	Slovakia
25	11:27:04.0	47.873N	16.055E	1.2	Austria
26	6:21:47.0	46.888N	22.881E	1.9	Romania
26	7:44:54.2	45.873N	18.396E	1.3	Kisharsány
26	8:30:23.5	48.600N	20.775E	1.7	Slovakia
26	8:37:22.9	48.524N	17.489E	1.7	Slovakia
26	9:08:51.9	48.383N	17.395E	1.5	Slovakia
26	9:51:18.5	47.532N	18.486E	1.3	Szárliiget
26	10:22:31.9	48.388N	19.870E	1.6	Slovakia
29	11:31:53.0	48.971N	21.244E	1.5	Slovakia
29	12:29:17.3	48.666N	21.496E	1.2	Slovakia
30	5:20:11.7	47.597N	16.346E	1.5	Austria
30	6:01:58.5	46.735N	22.819E	1.6	Romania
30	9:48:42.7	47.239N	18.244E	0.9	Iszkaszentgyörgy
30	9:52:57.3	48.501N	17.486E	1.4	Slovakia
30	10:01:39.0	48.093N	16.903E	1.8	Austria
30	11:22:20.3	48.540N	19.947E	1.3	Slovakia
31	6:36:26.4	48.414N	17.257E	1.7	Slovakia
31	7:04:41.2	48.437N	19.549E	1.7	Slovakia
31	8:01:05.4	46.068N	22.805E	1.7	Romania
31	8:11:11.4	46.856N	17.372E	1.5	Lesencetomaj
31	8:41:09.6	47.873N	16.049E	1.3	Austria
31	10:01:18.7	47.384N	18.580E	1.4	Vértesacsca

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01	7:52:11.1	46.120N	18.326E	0.4	Hird
01	8:03:55.2	48.553N	20.807E	1.4	Bódvalenke
01	9:14:06.0	47.208N	16.341E	1.8	Austria
01	10:35:14.3	48.398N	17.359E	1.4	Slovakia
01	11:45:32.0	47.926N	16.116E	1.0	Austria
02	7:03:16.9	48.467N	17.422E	1.3	Slovakia
02	8:04:52.7	45.908N	18.344E	1.0	Vokány
02	8:11:40.2	48.550N	19.364E	1.6	Slovakia
02	8:29:24.0	48.564N	20.754E	1.4	Komjáti
02	9:15:58.0	47.244N	18.252E	1.1	Iszkaszentgyörgy
02	9:32:56.7	48.584N	20.343E	1.2	Slovakia
05	8:58:07.7	47.961N	16.086E	1.1	Austria
05	9:21:30.4	47.490N	16.324E	1.6	Austria
05	11:41:26.1	47.924N	20.137E	1.6	Recsk
06	6:00:14.5	48.421N	17.278E	1.6	Slovakia
06	7:59:20.4	48.793N	20.823E	1.6	Slovakia
06	9:59:59.0	48.147N	16.881E	1.7	Austria
06	10:10:32.3	47.848N	19.005E	1.7	Szokolya
06	12:08:13.0	47.863N	16.044E	1.4	Austria
06	12:12:26.0	47.329N	18.424E	1.7	Zámoly
06	14:55:50.8	47.296N	16.335E	1.4	Austria
07	7:17:27.9	48.467N	21.683E	1.5	Slovakia
07	7:23:38.5	48.550N	19.399E	1.6	Slovakia
07	7:29:37.8	48.072N	20.732E	1.1	Miskolctapolca
07	8:15:24.4	47.255N	18.223E	0.9	Kincsesbánya
07	8:20:14.1	46.044N	22.802E	1.5	Romania
07	9:06:58.5	48.584N	20.777E	1.5	Slovakia
08	5:47:40.4	48.436N	17.269E	1.3	Slovakia
08	8:13:22.1	45.889N	18.404E	1.3	Villánykövesd

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08	8:31:13.5	47.866N	19.151E	1.8	Nőtincs
08	9:03:06.8	48.654N	20.312E	1.6	Slovakia
08	9:07:57.5	46.209N	18.287E	1.0	Kisbattyán
08	9:20:10.3	46.176N	18.290E	1.0	Zobákpuszta
08	9:25:16.5	47.237N	18.262E	0.7	Iszkaszentgyörgy
08	11:09:56.2	47.369N	17.573E	1.4	Vanyola
09	5:13:36.7	47.264N	18.365E	1.4	Sárkeresztes
09	7:35:60.0	47.261N	18.398E	1.8	Sárkeresztes
09	9:02:11.2	48.589N	20.799E	1.0	Slovakia
09	11:02:01.6	48.787N	21.647E	1.9	Slovakia
09	11:33:53.2	46.926N	22.928E	1.4	Romania
12	5:57:28.3	46.032N	22.807E	1.6	Romania
12	7:54:18.2	48.066N	19.610E	1.6	Nógrádmegyer
12	10:01:12.8	47.578N	16.340E	1.4	Austria
12	11:51:20.7	47.885N	16.086E	0.8	Austria
12	12:07:36.2	48.331N	19.869E	1.3	Slovakia
13	7:16:33.9	46.759N	22.844E	1.8	Romania
13	8:27:25.2	48.336N	19.834E	1.7	Slovakia
13	9:27:14.9	47.257N	18.241E	0.8	Kincsesbánya
13	9:50:15.3	48.391N	19.116E	1.7	Slovakia
13	9:57:31.3	48.371N	19.868E	1.2	Slovakia
13	9:59:53.9	48.182N	16.906E	1.6	Austria
13	11:50:31.9	47.848N	16.020E	1.0	Austria
14	6:40:17.3	48.066N	20.712E	1.2	Miskolctapolca
14	8:10:03.1	47.338N	18.472E	1.5	Lovasberény
14	8:21:36.7	48.810N	21.182E	1.8	Slovakia
14	9:40:52.9	48.675N	19.050E	1.9	Slovakia
14	9:58:46.5	47.881N	20.128E	1.7	Tarnaszentmária
15	7:21:18.1	46.064N	22.818E	1.7	Romania
15	8:11:16.4	48.448N	19.254E	1.7	Slovakia
15	8:20:52.0	48.625N	21.335E	1.5	Slovakia
15	8:31:36.9	45.680N	17.300E	1.4	Croatia
15	9:41:34.6	45.722N	18.481E	1.2	Croatia
15	9:47:21.8	47.562N	18.429E	1.3	Tatabánya
15	12:59:11.2	48.998N	21.250E	1.8	Slovakia
16	7:57:35.6	48.574N	20.759E	1.2	Tornanádaska
16	8:49:13.0	47.278N	16.347E	1.5	Austria
16	8:58:32.7	48.347N	18.980E	1.4	Slovakia
16	9:04:20.1	47.964N	16.077E	1.3	Austria
16	10:33:05.8	48.814N	21.623E	1.8	Slovakia
17	8:00:49.7	46.214N	18.252E	1.1	Komló
19	8:12:22.1	47.870N	16.062E	1.0	Austria
19	8:23:05.4	48.614N	20.794E	1.4	Slovakia
19	8:37:18.9	48.533N	17.464E	1.5	Slovakia
19	10:00:03.3	48.111N	16.942E	1.5	Austria
19	13:01:55.1	47.042N	19.481E	1.7	Ladánybene
19	13:22:46.0	46.993N	19.466E	1.8	Ladánybene
19	13:36:31.1	47.070N	19.448E	1.6	Ladánybene
20	8:13:32.0	48.503N	17.486E	1.3	Slovakia
20	8:37:49.0	48.584N	20.774E	1.0	Slovakia
20	9:29:15.3	48.961N	19.826E	1.2	Slovakia
20	10:02:37.7	47.519N	16.331E	1.2	Austria
20	14:55:11.7	47.073N	19.400E	1.8	Tatárszentgyörgy
21	7:12:03.4	48.076N	20.707E	1.1	Miskolctapolca
21	8:38:39.1	46.049N	22.847E	1.7	Romania
21	9:40:25.8	46.886N	17.237E	2.1	Zalaszántó
21	10:15:50.7	47.187N	17.690E	1.2	Csehbánya
21	11:11:51.5	47.942N	20.160E	1.5	Szajla
21	12:00:09.3	48.633N	21.540E	1.6	Slovakia
21	14:24:06.0	47.072N	19.446E	1.7	Felsőlajos

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22	7:14:53.2	48.134N	19.600E	1.4	Piliny
22	7:23:46.3	47.340N	18.442E	1.9	Zámoly
22	8:29:02.1	48.861N	21.093E	1.7	Slovakia
22	8:31:35.5	47.307N	16.397E	1.2	Austria
22	9:00:20.0	47.988N	16.118E	0.9	Austria
22	9:13:04.3	47.170N	18.308E	0.9	Sárkeszi
22	11:16:34.3	48.428N	21.511E	1.5	Nagyhuta
22	14:15:26.8	47.098N	19.386E	1.6	Tatárszentgyörgy
23	5:59:59.8	48.423N	17.235E	1.7	Slovakia
23	6:46:02.2	47.908N	20.115E	2.0	Recsk
23	7:22:34.1	47.390N	18.356E	1.2	Gánt
23	9:58:45.4	48.997N	21.289E	1.5	Slovakia
23	10:00:29.9	48.117N	16.924E	1.8	Austria
26	6:46:28.3	47.938N	16.076E	1.3	Austria
26	7:47:58.9	48.082N	20.667E	1.4	Bükkszentlászló
26	8:20:02.7	48.641N	20.719E	1.3	Slovakia
26	11:53:49.3	47.871N	16.066E	0.9	Austria
27	7:16:48.8	48.471N	17.407E	1.5	Slovakia
27	8:08:02.3	48.531N	20.780E	1.3	Tornaszentandrás
27	8:48:54.0	47.621N	18.369E	1.4	Vértesszőlős
27	9:00:25.7	47.216N	18.277E	0.6	Iszkaszentgyörgy
27	10:00:25.6	48.151N	16.885E	1.6	Austria
27	10:54:28.5	47.937N	20.297E	1.5	Egerbakta
28	6:29:18.9	46.843N	17.270E	1.5	Vállus
28	7:32:19.3	48.430N	17.253E	1.5	Slovakia
28	7:33:39.5	47.853N	20.141E	1.6	Kisnána
28	7:53:30.1	48.947N	21.277E	1.5	Slovakia
28	8:04:33.0	48.892N	20.554E	1.4	Slovakia
28	8:21:35.0	46.886N	17.544E	1.8	Szentbékállá
28	9:24:22.3	48.528N	17.488E	1.6	Slovakia
29	6:37:54.1	47.682N	18.527E	1.7	Héreg
29	9:08:23.8	47.182N	18.326E	0.8	Székesfehérvár
29	9:17:55.4	48.553N	20.848E	1.4	Hidvégdárdó
29	9:55:23.7	47.623N	18.350E	1.3	Baj
29	10:49:18.1	47.818N	20.183E	1.5	Vécs
29	11:07:30.7	47.881N	16.091E	1.4	Austria
29	12:18:40.8	48.217N	21.239E	2.1	Rátka
30	7:58:56.6	48.161N	21.330E	1.8	Bodrogkeresztúr
30	8:28:15.2	46.880N	17.240E	1.3	Zalaszántó
30	9:34:17.4	46.735N	22.760E	1.6	Romania
30	10:58:26.2	47.341N	16.357E	1.5	Austria
30	13:25:50.6	47.906N	16.438E	1.2	Austria

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03	6:54:17.0	47.952N	16.063E	1.0	Austria
03	8:31:54.7	48.562N	20.792E	1.5	Tornanádaska
03	10:46:34.7	46.951N	22.796E	1.8	Romania
04	8:12:50.3	47.975N	20.386E	1.4	Felsőtárkány
04	8:14:18.5	48.567N	20.796E	1.3	Tornanádaska
04	8:29:39.7	48.440N	17.212E	1.8	Slovakia
04	9:06:43.5	47.740N	18.688E	1.5	Tokod
04	9:33:08.4	47.872N	16.037E	1.4	Austria
04	10:12:02.5	46.139N	22.780E	1.6	Romania
04	11:01:35.0	47.207N	18.291E	1.1	Iszkaszentgyörgy
05	7:11:42.3	48.121N	21.373E	1.7	Tokaj
05	7:23:04.8	46.114N	18.116E	1.1	Kővágóóttós
05	8:51:56.9	47.276N	18.212E	0.7	Kincsesbánya
05	9:26:40.4	47.854N	16.023E	1.2	Austria
05	9:52:41.3	47.556N	18.655E	1.3	Szomor
06	6:56:44.3	48.521N	19.311E	1.5	Slovakia

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06	7:47:36.7	46.757N	22.805E	1.6	Romania
06	7:59:00.1	47.090N	17.959E	0.9	Kádárta
06	8:05:54.5	46.153N	18.319E	0.9	Vasas
06	8:10:35.7	48.554N	20.812E	1.4	Hidvégdárdó
06	9:16:46.1	47.236N	18.346E	1.3	Moha
06	9:47:27.2	47.881N	16.085E	0.8	Austria
06	9:59:43.2	48.189N	16.924E	1.7	Austria
06	10:35:22.1	47.850N	19.185E	1.3	Ósagárd
06	11:17:04.0	46.327N	22.941E	1.5	Romania
07	6:57:45.2	47.283N	18.308E	1.4	Magyaralmás
07	7:11:52.7	46.128N	18.084E	1.4	Abaliget
07	8:03:14.3	48.593N	20.800E	1.5	Slovakia
07	9:27:57.8	46.816N	17.329E	1.6	Lesencefalu
07	11:32:21.5	46.874N	22.846E	1.6	Romania
10	5:53:57.9	48.187N	21.250E	1.6	Mád
10	7:12:30.5	48.569N	17.548E	1.5	Slovakia
10	8:34:21.4	46.869N	17.231E	1.9	Zalaszántó
10	10:50:13.8	47.816N	20.232E	1.6	Feldebrő
10	13:39:31.6	47.094N	19.343E	1.7	Tatárszentgyörgy
10	14:08:45.7	47.083N	19.434E	1.6	Tatárszentgyörgy
11	6:29:31.4	46.827N	22.888E	1.5	Romania
11	6:57:16.2	47.859N	16.015E	0.8	Austria
11	7:44:00.2	48.590N	20.766E	1.4	Slovakia
11	8:07:03.5	46.072N	22.814E	1.8	Romania
11	8:31:07.9	48.506N	19.438E	1.7	Slovakia
11	8:41:04.7	47.074N	18.055E	1.1	Papkeszi
11	8:56:20.7	48.666N	21.439E	1.5	Slovakia
11	9:32:27.3	47.968N	16.102E	1.0	Austria
11	9:51:26.8	48.507N	17.478E	1.3	Slovakia
11	9:59:51.6	48.183N	16.931E	1.5	Austria
11	10:15:04.4	47.330N	18.465E	1.7	Lovasberény
11	10:37:03.4	47.106N	19.359E	1.9	Tatárszentgyörgy
12	5:58:50.6	47.304N	17.674E	1.5	Bakonykoppány
12	6:07:32.6	46.965N	22.807E	1.6	Romania
12	10:14:05.2	47.043N	19.511E	2.1	Felsőlajos
12	10:30:14.1	47.073N	19.384E	2.0	Tatárszentgyörgy
12	11:54:26.4	47.929N	16.123E	0.9	Austria
12	13:13:06.3	47.013N	22.297E	1.5	Romania
13	8:03:54.8	46.136N	18.094E	0.8	Abaliget
13	8:55:30.8	47.190N	18.301E	0.9	Székesfehérvár
13	9:02:19.0	48.478N	20.749E	1.1	Martonyi
13	9:45:24.0	47.843N	19.421E	1.8	Galgaguta
13	10:35:53.9	46.750N	22.749E	1.8	Romania
13	13:07:59.0	47.852N	19.274E	1.4	Nézsza
14	6:38:15.0	48.441N	19.592E	1.4	Slovakia
14	7:25:23.0	48.005N	20.392E	1.2	Felsőtárkány
14	8:00:58.4	48.509N	17.512E	1.3	Slovakia
14	8:16:06.3	47.880N	20.152E	1.7	Tarnaszentmária
14	8:24:47.8	48.633N	21.372E	1.4	Slovakia
14	9:04:57.8	48.599N	20.816E	1.2	Slovakia
14	10:00:34.2	48.153N	16.897E	1.6	Austria
14	13:01:01.9	47.865N	20.154E	1.2	Tarnaszentmária
15	7:51:57.9	46.221N	18.282E	1.0	Kisbattyán
17	8:32:50.3	47.952N	19.636E	1.6	Felsőtold
17	8:37:30.8	48.423N	17.260E	1.8	Slovakia
17	9:06:19.0	48.893N	20.497E	2.1	Slovakia
17	10:41:17.0	47.563N	16.325E	1.6	Austria
17	11:45:51.0	48.000N	16.177E	1.1	Austria
17	12:15:03.4	47.126N	19.313E	2.0	Örkény
18	6:32:46.8	46.752N	22.773E	1.5	Romania

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18	6:54:35.3	47.886N	20.123E	1.9	Tarnaszentmária
18	7:03:07.8	45.908N	18.374E	1.3	Palkonya
18	8:22:45.2	48.585N	20.817E	1.5	Tornanádaska
18	8:29:56.2	47.328N	18.427E	1.7	Zámoly
18	8:33:46.3	48.569N	17.325E	1.6	Slovakia
18	9:45:34.1	48.433N	17.197E	1.9	Slovakia
18	9:46:04.6	47.243N	18.265E	0.9	Iszkaszentgyörgy
18	11:19:26.7	47.109N	19.320E	2.1	Tatárszentgyörgy
18	15:15:39.4	47.275N	17.666E	1.5	Homokbödöge
19	6:51:36.6	48.336N	19.854E	1.6	Slovakia
19	8:45:38.0	48.615N	20.693E	1.1	Slovakia
19	9:02:21.4	48.609N	20.417E	1.5	Slovakia
19	9:05:38.3	48.867N	20.516E	2.0	Slovakia
19	10:00:23.4	48.097N	16.965E	1.5	Austria
19	10:14:25.8	47.239N	18.215E	0.8	Bakonykúti
19	13:11:12.9	46.766N	22.836E	1.5	Romania
19	13:21:34.9	48.558N	20.799E	1.6	Tornanádaska
20	7:58:12.1	46.129N	17.989E	1.4	Dinnyeberki
20	8:19:47.0	46.234N	18.240E	0.9	Komló
20	9:26:06.3	47.968N	16.078E	1.1	Austria
20	9:34:07.9	47.982N	16.095E	1.1	Austria
20	9:59:58.1	48.189N	16.904E	1.5	Austria
21	6:47:10.1	48.077N	20.708E	1.4	Miskolctapolca
21	8:22:03.5	45.600N	17.188E	1.4	Croatia
21	8:46:40.0	47.889N	16.081E	0.5	Austria
21	8:53:17.8	48.586N	20.783E	1.4	Slovakia
21	9:26:08.1	47.864N	16.036E	0.9	Austria
21	9:35:33.1	47.876N	16.066E	1.2	Austria
21	10:00:22.6	48.598N	20.921E	1.3	Slovakia
21	10:33:50.3	46.754N	22.762E	1.6	Romania
24	5:24:59.5	48.447N	17.491E	1.2	Slovakia
24	5:28:55.4	48.500N	17.335E	1.8	Slovakia
24	9:40:16.0	48.675N	21.371E	1.4	Slovakia
24	9:53:08.4	46.818N	22.896E	1.8	Romania
24	13:03:25.3	45.673N	22.398E	1.5	Romania
25	6:08:37.4	47.302N	16.353E	1.9	Austria
25	6:17:02.3	47.321N	16.327E	1.9	Austria
25	7:02:22.6	46.117N	18.117E	1.1	Kővágóóttős
25	8:11:44.0	48.575N	20.762E	1.2	Tornanádaska
25	8:18:10.1	47.219N	18.272E	0.8	Iszkaszentgyörgy
25	9:59:59.7	48.152N	16.876E	1.7	Austria
25	10:31:03.5	46.924N	22.843E	1.4	Romania
25	12:16:18.5	47.094N	19.370E	1.8	Tatárszentgyörgy
25	14:24:42.7	47.772N	18.243E	1.6	Slovakia
26	6:46:19.6	47.970N	16.062E	0.8	Austria
26	8:00:00.5	46.853N	17.248E	2.0	Rezi
26	8:11:04.4	48.610N	20.660E	1.4	Slovakia
26	8:35:47.4	48.515N	17.459E	1.7	Slovakia
26	10:15:14.5	46.773N	22.849E	1.4	Romania
27	7:05:21.2	47.300N	18.421E	1.4	Zámoly
27	7:51:42.9	47.870N	16.033E	0.7	Austria
27	8:06:26.3	48.581N	20.782E	1.7	Tornanádaska
27	9:01:31.9	47.210N	18.199E	1.2	Csór
27	9:51:46.2	47.850N	19.115E	1.6	Szendehely
27	10:15:20.1	47.230N	18.261E	0.8	Iszkaszentgyörgy
27	11:10:31.8	48.226N	21.277E	2.0	Táallya
27	11:33:16.7	46.885N	22.691E	1.6	Romania
28	7:12:38.1	48.535N	17.487E	1.5	Slovakia
28	8:08:28.1	48.836N	20.164E	1.4	Slovakia
28	8:16:19.3	45.659N	17.273E	1.7	Croatia

Földrengés paraméterek

Hypocenter Parameters

28	12:02:11.4	46.751N	22.840E	1.6	Romania
31	6:26:56.7	46.953N	22.874E	1.6	Romania
31	7:34:29.9	48.103N	21.354E	1.6	Tarcal
31	8:13:21.1	47.849N	16.040E	1.4	Austria
31	8:23:01.8	47.770N	19.947E	1.7	Gyöngyös
31	10:30:47.6	46.884N	22.299E	1.8	Romania
31	11:25:52.5	48.493N	22.785E	2.2	Ukraine
AUGUSZTUS / AUGUST, 2023					
01	5:31:00.4	46.764N	22.792E	1.5	Romania
01	6:54:07.9	47.888N	20.112E	2.0	Tarnaszentmária
01	8:06:24.3	48.602N	20.767E	1.4	Slovakia
01	9:17:54.9	48.428N	17.222E	1.8	Slovakia
01	10:12:51.9	46.297N	22.945E	1.6	Romania
02	9:18:12.4	48.601N	20.757E	1.3	Slovakia
02	9:59:55.9	48.085N	16.976E	1.4	Austria
02	11:13:39.4	48.972N	21.279E	1.7	Slovakia
03	6:40:52.1	47.705N	18.552E	1.7	Bajót
03	8:06:09.4	46.760N	22.827E	1.5	Romania
03	8:18:46.8	48.320N	19.799E	1.7	Slovakia
03	9:21:39.4	47.232N	18.249E	0.9	Iszkaszentgyörgy
03	9:24:21.8	47.325N	18.451E	1.5	Zámoly
03	9:32:43.4	47.940N	16.059E	0.7	Austria
03	9:43:31.1	47.967N	16.084E	0.9	Austria
03	10:31:15.7	48.436N	17.271E	1.5	Slovakia
03	10:51:23.4	48.862N	20.692E	1.4	Slovakia
03	11:08:03.0	46.780N	22.870E	1.2	Romania
03	14:47:19.0	45.948N	22.639E	1.5	Romania
03	14:49:44.6	45.933N	22.625E	1.7	Romania
03	14:50:14.4	45.938N	22.649E	1.5	Romania
04	7:04:50.0	47.933N	19.377E	1.8	Becske
04	7:31:46.8	48.212N	18.785E	1.9	Slovakia
04	9:16:13.8	47.837N	16.001E	1.1	Austria
04	10:21:47.1	45.595N	17.584E	1.6	Croatia
04	11:09:53.8	48.559N	20.888E	1.8	Tornaszentjakab
07	8:59:17.0	48.575N	20.797E	1.5	Tornanádaska
08	5:50:29.6	46.752N	22.731E	1.4	Romania
08	5:53:55.7	47.279N	18.322E	1.4	Magyaralmás
08	6:46:59.5	48.530N	17.430E	1.3	Slovakia
08	8:22:00.0	48.579N	20.775E	1.4	Tornanádaska
08	8:47:50.0	47.866N	16.049E	1.2	Austria
08	9:58:10.5	47.978N	16.085E	1.2	Austria
08	10:17:27.1	48.382N	19.894E	1.3	Slovakia
08	10:21:33.2	48.588N	20.337E	1.5	Slovakia
08	10:38:43.3	48.955N	19.792E	1.5	Slovakia
08	11:10:37.5	46.737N	22.750E	1.5	Romania
08	11:11:22.5	47.962N	16.060E	0.9	Austria
08	11:11:59.3	47.888N	16.079E	1.1	Austria
08	11:12:07.2	46.327N	22.903E	1.7	Romania
08	13:11:22.4	46.734N	22.793E	1.6	Romania
08	14:22:32.0	47.347N	16.295E	1.3	Austria
09	6:56:34.5	46.784N	17.399E	1.7	Szigliget
09	8:35:31.0	46.799N	17.471E	1.7	Badacsonytördemic
09	8:40:11.3	48.573N	20.403E	1.5	Slovakia
09	8:55:33.3	48.601N	20.832E	1.3	Slovakia
09	11:02:55.6	48.378N	19.133E	1.7	Slovakia
10	7:12:00.4	48.093N	20.710E	1.4	Miskolctapolca
10	7:32:41.5	48.205N	18.764E	1.9	Slovakia
10	7:36:38.2	48.476N	21.757E	1.8	Slovakia
10	9:07:56.0	47.709N	16.623E	1.1	Fertőrákos

Hypocenter Parameters

Földrengés paraméterek

10	9:31:35.5	45.976N	22.353E	1.5	Romania
10	11:05:11.9	48.118N	16.242E	1.1	Austria
11	7:43:48.2	46.144N	18.058E	1.1	Okorvölgy
11	13:01:44.9	47.412N	16.021E	1.1	Austria
12	8:33:09.8	46.225N	18.265E	1.2	Kisbattyán
14	7:45:08.8	47.995N	20.249E	1.5	Hevesaranyos
14	8:32:52.3	48.883N	21.037E	1.5	Slovakia
14	10:00:45.0	47.243N	17.696E	1.2	Bakonybél
14	10:03:33.7	48.811N	21.613E	1.8	Slovakia
14	10:18:20.2	47.893N	20.181E	1.5	Tarnaszentmária
14	11:18:10.2	47.542N	18.369E	1.0	Vértessomló
14	11:46:18.5	47.521N	18.495E	1.0	Szárliget
15	7:11:25.1	48.558N	19.305E	1.4	Slovakia
15	7:24:17.6	47.320N	18.444E	2.1	Zámoly
15	8:55:02.3	47.807N	19.878E	1.7	Gyöngyöstarján
15	10:37:28.7	47.333N	18.440E	1.8	Zámoly
15	11:17:18.7	48.685N	21.461E	1.6	Slovakia
15	13:43:09.0	48.674N	22.461E	1.7	Ukraine
15	14:01:50.3	48.691N	22.480E	1.5	Ukraine
15	14:03:41.4	48.697N	22.480E	1.8	Ukraine
16	6:23:02.8	48.411N	17.302E	1.5	Slovakia
16	7:53:51.2	46.750N	22.660E	1.5	Romania
16	8:00:40.4	48.613N	20.786E	1.2	Slovakia
16	9:09:39.8	47.873N	20.152E	1.5	Tarnaszentmária
16	9:20:16.8	46.862N	17.402E	2.0	Raposka
16	11:36:41.2	46.684N	22.959E	1.8	Romania
17	7:50:45.2	48.545N	19.378E	1.6	Slovakia
17	7:51:20.6	47.331N	18.446E	2.3	Zámoly
17	7:59:57.8	46.157N	18.018E	1.2	Hetvehely
17	10:14:20.9	48.374N	17.288E	1.7	Slovakia
17	11:59:10.5	47.862N	16.074E	0.8	Austria
18	6:17:11.5	48.239N	21.550E	1.8	Viss
18	7:26:43.8	48.400N	18.475E	1.9	Slovakia
18	7:44:10.8	48.061N	20.710E	1.4	Miskolctapolca
18	8:38:37.4	48.508N	17.489E	1.3	Slovakia
18	9:09:56.4	46.793N	22.858E	1.7	Romania
18	9:22:15.5	48.610N	20.786E	1.6	Slovakia
18	11:13:27.3	47.598N	18.449E	1.2	Vérttestolna
21	7:11:36.1	48.698N	17.925E	1.6	Slovakia
21	7:20:03.7	47.981N	16.097E	1.2	Austria
21	8:12:22.3	48.701N	20.785E	1.5	Slovakia
21	8:49:54.6	47.526N	16.346E	1.1	Austria
21	9:49:20.6	47.207N	18.321E	1.1	Székesfehérvár
21	11:12:17.3	47.906N	16.044E	0.3	Austria
21	11:15:27.2	46.876N	22.299E	1.5	Romania
22	7:56:17.6	48.629N	19.159E	2.0	Slovakia
22	8:56:06.0	47.205N	18.282E	0.9	Csór
22	12:19:29.3	48.411N	21.754E	1.4	Slovakia
23	7:19:00.4	46.155N	18.017E	1.0	Hetvehely
23	7:40:39.8	48.560N	20.858E	1.2	Hidvégdó
23	12:19:15.5	47.907N	16.087E	0.8	Austria
24	7:22:58.9	47.842N	19.094E	1.6	Szendehely
24	7:53:43.8	48.536N	20.757E	1.3	Komjáti
24	7:58:11.9	47.787N	19.894E	1.9	Gyöngyös
25	8:49:53.8	47.099N	17.999E	1.4	Litér
25	9:47:35.9	47.572N	16.307E	1.6	Austria
25	10:00:03.0	48.095N	16.891E	1.9	Austria
28	7:34:01.3	48.566N	21.383E	1.4	Hollóháza
28	9:20:22.3	47.204N	18.296E	0.6	Székesfehérvár
28	9:32:24.6	46.784N	22.833E	1.6	Romania

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28	10:03:19.0	47.916N	20.167E	2.4	Sirok
28	10:49:00.1	48.886N	21.099E	1.3	Slovakia
28	10:51:39.1	48.899N	21.053E	1.4	Slovakia
29	7:42:44.6	47.109N	17.911E	1.3	Kádárta
29	10:00:05.3	47.319N	18.457E	1.7	Pátka
30	7:01:37.5	48.807N	19.427E	1.6	Slovakia
30	8:06:33.4	48.607N	20.799E	1.3	Slovakia
30	9:09:46.7	46.046N	22.895E	1.5	Romania
30	9:36:24.3	46.866N	17.304E	2.0	Várkölyg
30	11:30:14.3	48.360N	19.883E	1.5	Slovakia
30	14:59:05.1	48.226N	21.228E	2.2	Rátka
30	21:16:50.0	47.458N	18.200E	1.9	Bokod
31	8:32:28.8	46.160N	18.307E	1.2	Zobákpuszt
31	10:00:02.9	48.520N	17.492E	1.5	Slovakia
31	10:05:53.8	47.209N	18.303E	0.7	Moha
31	11:48:15.0	47.884N	16.067E	1.2	Austria
31	11:52:22.2	47.854N	16.035E	0.7	Austria

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01	6:15:26.7	47.868N	19.230E	1.4	Alsópetény
01	9:06:42.2	47.865N	19.157E	1.5	Nőtincs
04	8:43:53.5	48.604N	21.351E	1.3	Slovakia
04	8:46:54.8	47.344N	18.443E	1.7	Zámoly
04	10:00:25.5	48.162N	16.885E	1.4	Austria
04	10:12:48.5	47.834N	20.180E	1.4	Vécs
04	10:18:10.8	47.096N	17.918E	1.0	Veszprém
04	10:45:00.5	46.841N	17.454E	1.9	Kisapáti
05	6:20:41.5	47.262N	18.406E	1.3	Sárkeresztes
05	9:06:48.1	48.490N	17.368E	1.3	Slovakia
05	9:50:31.5	47.230N	18.322E	0.7	Moha
05	9:53:48.4	47.854N	16.038E	1.2	Austria
05	13:43:04.4	48.475N	21.658E	1.6	Slovakia
06	6:52:53.0	47.928N	19.394E	2.2	Becske
06	7:38:56.7	46.047N	22.860E	1.6	Romania
06	9:46:33.7	48.579N	20.766E	1.6	Tornanádaska
06	13:45:31.8	47.092N	19.368E	1.8	Tatárszentgyörgy
06	14:05:45.0	47.089N	19.398E	1.8	Tatárszentgyörgy
07	7:01:20.2	48.194N	18.795E	1.9	Slovakia
07	7:49:38.0	48.433N	17.218E	1.7	Slovakia
07	8:15:00.8	47.890N	16.060E	1.3	Austria
07	8:16:13.0	47.327N	18.468E	1.6	Lovasberény
07	8:22:48.9	48.359N	19.839E	1.8	Slovakia
07	9:10:17.4	47.220N	18.312E	0.9	Moha
07	9:12:23.4	46.836N	17.272E	1.2	Vállus
07	10:21:53.8	47.561N	18.518E	1.4	Tarján
07	10:23:01.0	47.569N	18.507E	1.3	Tarján
07	14:02:08.5	46.752N	22.760E	1.3	Romania
07	14:18:04.2	47.115N	19.335E	1.9	Örkény
08	8:11:00.2	48.707N	20.790E	1.6	Slovakia
08	8:32:35.0	46.183N	18.297E	0.9	Zobákpuszt
08	8:47:52.5	46.178N	18.293E	1.0	Zobákpuszt
08	8:52:57.6	48.708N	20.692E	1.4	Slovakia
08	10:00:52.8	47.597N	16.390E	1.5	Austria
11	7:50:05.1	48.082N	20.726E	1.1	Miskolctapolca
11	8:05:13.1	47.867N	19.088E	1.6	Szendehely
11	8:47:59.6	48.514N	17.344E	1.5	Slovakia
11	9:11:36.8	48.596N	17.455E	1.6	Slovakia
11	9:35:01.6	48.446N	17.205E	1.8	Slovakia
11	10:19:25.9	47.300N	17.643E	1.3	Homokbödöge
11	11:45:02.6	45.892N	22.533E	1.6	Romania

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11	12:39:06.0	47.826N	16.414E	1.0	Austria
12	5:39:03.9	47.857N	16.034E	1.3	Austria
12	7:45:16.5	48.364N	17.400E	1.6	Slovakia
12	7:57:02.6	47.024N	18.059E	1.3	Balatonalmádi
12	8:22:39.8	48.617N	21.358E	1.5	Slovakia
12	8:58:21.2	48.668N	19.937E	1.3	Slovakia
12	10:00:16.4	48.181N	16.852E	1.3	Austria
12	10:09:15.8	48.867N	19.893E	1.4	Slovakia
12	15:04:57.6	48.766N	22.350E	1.9	Ukraine
13	7:38:28.4	48.509N	17.490E	1.6	Slovakia
13	8:22:49.1	47.327N	18.428E	1.8	Zámoly
13	9:43:07.1	46.007N	22.819E	1.5	Romania
14	6:05:46.3	47.787N	19.900E	1.9	Gyöngyös
14	7:55:04.9	47.981N	16.098E	1.1	Austria
14	8:39:21.1	48.561N	20.392E	1.6	Slovakia
14	8:59:40.1	46.131N	18.083E	1.1	Abaliget
14	9:14:57.3	48.974N	16.042E	1.6	Czechia
14	11:14:04.1	47.878N	16.047E	1.0	Austria
14	11:15:20.5	48.674N	21.388E	1.6	Slovakia
15	5:29:51.9	46.774N	22.849E	1.4	Romania
15	12:11:17.9	45.521N	17.988E	1.4	Croatia
18	8:08:25.0	47.312N	18.474E	1.7	Pátka
18	8:08:49.3	47.329N	18.489E	1.8	Lovasberény
18	8:10:21.3	48.512N	17.473E	1.9	Slovakia
18	8:20:02.7	46.038N	22.794E	1.8	Romania
18	8:43:22.1	48.418N	21.421E	1.4	Háromhuta
18	9:50:54.5	46.868N	22.852E	1.5	Romania
18	10:01:06.1	48.169N	16.867E	1.7	Austria
19	8:02:45.6	47.502N	18.688E	1.2	Herceghalom
19	8:20:49.5	48.430N	17.251E	1.8	Slovakia
19	8:25:51.9	47.852N	19.119E	1.3	Szendehely
19	8:53:57.4	47.378N	16.266E	1.4	Austria
19	9:06:33.8	47.165N	18.319E	1.5	Sárszentmihály
19	9:20:06.4	47.861N	19.107E	1.5	Szendehely
19	11:49:43.9	46.878N	22.850E	1.9	Romania
20	6:59:25.8	47.623N	16.302E	1.3	Austria
20	8:40:16.9	47.341N	18.465E	1.5	Lovasberény
20	9:11:59.6	46.122N	18.078E	1.2	Abaliget
20	9:41:11.6	47.196N	18.306E	1.0	Székesfehérvár
20	12:16:25.2	47.309N	18.457E	1.7	Pátka
21	7:23:04.7	47.601N	16.360E	1.4	Austria
21	7:46:44.5	48.625N	21.273E	1.6	Slovakia
21	8:54:57.8	48.547N	20.800E	1.5	Bódvalenke
21	10:55:39.0	47.969N	20.093E	1.4	Mátraderecske
21	11:48:15.2	47.888N	16.079E	1.4	Austria
22	7:16:18.0	47.901N	20.165E	1.7	Tarnaszentmária
22	7:33:10.7	46.059N	22.829E	2.0	Romania
22	7:53:36.0	47.674N	18.520E	1.8	Héreg
22	8:03:58.4	48.241N	18.815E	2.0	Slovakia
22	8:13:38.4	48.572N	20.752E	1.5	Tornanádaska
22	10:09:14.7	46.146N	21.588E	1.5	Romania
23	9:53:00.4	48.514N	22.787E	2.0	Ukraine
25	6:52:24.6	48.487N	17.540E	1.3	Slovakia
25	8:31:25.4	45.780N	18.407E	1.1	Kásád
25	8:33:45.9	48.540N	20.784E	1.5	Bódvalenke
25	8:36:11.2	45.874N	18.420E	1.0	Villánykövesd
25	12:32:09.4	45.952N	22.688E	1.7	Romania
26	8:05:23.3	47.410N	18.719E	1.3	Pusztazámor
26	9:03:28.3	47.234N	18.245E	1.0	Iszkaszentgyörgy
26	9:42:01.5	47.327N	18.451E	1.5	Zámoly

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Hypocenter Parameters

26	10:00:00.5	48.144N	16.931E	1.6	Austria
26	10:38:24.9	48.423N	17.245E	2.0	Slovakia
27	7:22:44.9	48.442N	17.263E	1.9	Slovakia
27	8:19:55.9	46.117N	18.018E	1.7	Bükkösd
27	8:47:57.4	48.872N	20.402E	2.1	Slovakia
27	8:50:59.6	48.327N	18.196E	2.2	Slovakia
28	7:21:24.2	48.988N	19.362E	1.9	Slovakia
28	7:35:14.8	47.318N	18.443E	1.6	Zámoly
28	7:40:49.1	47.298N	18.437E	1.1	Pátka
28	7:51:42.9	45.839N	18.399E	1.2	Nagyharsány
28	7:58:52.2	48.579N	20.738E	1.6	Slovakia
28	8:44:09.5	46.228N	18.248E	1.1	Komló
28	9:52:14.4	48.240N	21.233E	2.0	Tállya
28	10:05:16.6	48.846N	21.301E	1.8	Slovakia
28	11:09:41.5	47.906N	20.208E	1.6	Sirok
28	11:13:42.7	47.930N	16.113E	1.1	Austria
29	5:34:29.5	48.311N	21.496E	1.4	Bodrogolaszi
29	7:42:43.5	47.069N	18.080E	1.2	Papkeszi
29	7:44:07.0	48.099N	21.360E	1.7	Tokaj
29	7:59:04.3	47.926N	16.451E	1.5	Austria
29	8:23:25.2	48.458N	17.443E	1.7	Slovakia
29	8:33:35.6	48.668N	20.375E	1.6	Slovakia
30	8:12:03.7	46.109N	18.326E	1.2	Hird

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02	8:06:38.7	48.693N	19.129E	1.9	Slovakia
02	9:48:59.5	48.463N	19.495E	1.5	Slovakia
02	11:48:56.9	48.966N	20.596E	1.8	Slovakia
03	7:07:34.8	47.999N	16.607E	1.0	Austria
03	7:57:19.7	47.330N	18.438E	1.9	Zámoly
03	8:09:19.2	48.528N	17.500E	1.8	Slovakia
03	8:39:00.4	47.961N	16.081E	0.9	Austria
03	8:40:31.7	48.600N	20.782E	1.4	Slovakia
03	8:42:11.0	48.314N	19.831E	1.7	Slovakia
03	8:42:37.2	48.526N	17.472E	1.3	Slovakia
03	9:21:37.7	47.196N	18.306E	0.8	Székesfehérvár
03	9:50:57.6	46.320N	22.856E	1.6	Romania
03	10:57:38.2	47.859N	20.158E	1.6	Tarnaszentmária
03	11:06:54.6	47.928N	16.119E	1.0	Austria
03	11:24:00.2	47.876N	16.052E	1.3	Austria
04	8:26:32.6	48.434N	19.602E	1.7	Slovakia
04	8:45:34.1	48.564N	20.795E	1.5	Tornanádaska
04	9:05:02.1	48.713N	18.751E	2.0	Slovakia
04	9:51:53.2	46.856N	17.250E	1.8	Rezi
04	9:53:16.8	46.850N	17.393E	1.7	Raposka
04	10:08:20.1	48.001N	20.375E	1.4	Felsőtárkány
04	10:51:17.0	48.976N	19.832E	1.7	Slovakia
05	8:37:39.4	48.506N	20.793E	1.2	Tornaszentandrás
05	9:21:04.7	48.778N	21.701E	2.0	Slovakia
05	9:27:20.7	48.992N	20.296E	1.5	Slovakia
05	10:04:45.6	47.177N	18.305E	0.9	Sárkeszi
06	7:55:51.4	48.520N	17.480E	1.4	Slovakia
06	7:57:44.1	48.077N	20.677E	1.4	Bükkszentlászló
06	8:13:01.0	47.886N	20.152E	2.1	Tarnaszentmária
06	8:43:03.9	47.980N	16.085E	1.3	Austria
06	8:51:12.4	48.333N	18.239E	2.0	Slovakia
06	10:01:50.5	48.425N	22.650E	2.0	Ukraine
06	10:37:01.4	47.610N	18.415E	1.5	Vértesszőlős
09	6:47:48.1	48.075N	20.697E	1.1	Miskolctapolca
09	7:55:03.5	48.891N	21.056E	1.5	Slovakia

Hypocenter Parameters

Földrengés paraméterek

09	8:02:35.2	48.522N	20.786E	1.4	Tornaszentandrás
09	8:27:27.9	48.348N	19.865E	1.8	Slovakia
09	8:50:07.3	47.274N	18.373E	1.2	Sárkeresztes
09	8:58:34.6	47.286N	18.376E	1.3	Magyaralmás
09	10:51:28.6	48.499N	19.362E	1.5	Slovakia
09	10:52:48.2	48.493N	19.346E	1.8	Slovakia
09	11:55:46.4	48.633N	21.338E	1.5	Slovakia
09	18:39:44.7	48.860N	21.602E	1.8	Slovakia
10	7:59:58.5	47.931N	19.416E	1.4	Szanda
10	8:26:21.5	47.977N	19.365E	1.5	Cserháthaláp
10	10:02:32.0	47.260N	18.251E	0.6	Kincsesbánya
10	11:16:37.2	47.322N	18.417E	2.0	Zámoly
10	11:22:11.2	47.867N	16.055E	1.1	Austria
10	12:07:05.9	47.325N	18.470E	1.4	Lovasberény
11	8:55:09.0	48.613N	20.785E	1.4	Slovakia
11	9:18:21.3	48.350N	19.847E	1.6	Slovakia
11	9:47:06.5	47.865N	16.025E	1.3	Austria
12	6:52:48.0	47.319N	16.344E	2.1	Austria
12	8:12:52.0	48.540N	20.735E	1.8	Bódvaszilas
12	9:05:51.7	47.329N	18.442E	1.9	Zámoly
12	11:05:25.9	47.827N	16.006E	1.5	Austria
13	7:19:13.6	48.055N	20.678E	1.7	Kisgyőr
13	7:52:34.0	48.428N	17.253E	1.8	Slovakia
13	8:03:12.0	48.831N	21.595E	2.0	Slovakia
13	8:04:11.3	48.643N	20.819E	1.6	Slovakia
13	8:23:38.4	48.544N	17.604E	1.9	Slovakia
13	8:53:33.3	47.179N	18.302E	0.9	Sárkeszi
13	9:46:51.0	47.087N	18.025E	1.4	Litér
13	10:05:34.5	47.536N	16.316E	1.7	Austria
13	11:21:16.3	48.876N	20.551E	1.2	Slovakia
14	21:01:27.4	45.804N	16.918E	2.3	Croatia
16	8:07:37.4	46.142N	18.056E	1.3	Okorvölgy
16	8:39:41.5	48.559N	20.762E	1.3	Komjáti
16	8:43:14.9	46.148N	18.308E	1.0	Vasas
17	7:58:54.7	48.507N	19.114E	1.8	Slovakia
17	8:36:57.8	48.620N	20.717E	1.8	Slovakia
17	8:54:17.3	48.412N	17.260E	1.9	Slovakia
17	8:58:39.8	48.640N	21.345E	1.8	Slovakia
17	9:09:16.2	48.467N	17.381E	1.8	Slovakia
17	9:30:26.8	47.183N	18.243E	0.9	Csór
17	9:59:58.8	48.141N	16.917E	2.0	Austria
17	10:40:07.6	47.567N	18.469E	1.0	Tatabánya
17	11:00:46.1	48.139N	18.961E	1.9	Slovakia
17	11:30:49.7	48.131N	18.963E	1.9	Slovakia
17	14:27:32.5	47.099N	19.346E	1.8	Tatárszentgyörgy
17	14:45:48.1	47.086N	19.405E	1.9	Tatárszentgyörgy
17	15:05:43.0	47.094N	19.363E	1.8	Tatárszentgyörgy
17	15:30:36.6	47.104N	19.353E	1.8	Tatárszentgyörgy
18	8:33:07.1	48.342N	19.878E	1.9	Slovakia
18	8:46:25.9	48.589N	20.775E	1.5	Slovakia
18	9:15:13.5	48.658N	21.617E	1.6	Slovakia
18	9:46:57.9	48.539N	17.454E	1.7	Slovakia
18	12:04:26.8	46.336N	22.941E	1.7	Romania
18	13:49:32.2	47.076N	19.445E	2.1	Tatárszentgyörgy
19	8:34:54.7	46.138N	18.031E	1.3	Hetvehely
19	8:56:55.0	47.164N	18.183E	1.3	Ósi
19	9:30:36.7	47.255N	18.222E	0.9	Kincsesbánya
20	5:48:16.6	47.279N	18.314E	1.0	Magyaralmás
20	7:06:07.8	46.159N	17.994E	1.5	Hetvehely
20	7:08:34.5	47.314N	18.457E	1.6	Pátka

Földrengés paraméterek

Hypocenter Parameters

20	7:10:35.8	47.299N	18.394E	1.3	Zámoly
20	7:39:23.7	48.435N	17.263E	2.0	Slovakia
20	8:35:04.7	47.097N	17.972E	1.4	Litér
20	8:38:02.1	48.626N	19.115E	2.1	Slovakia
20	10:03:01.9	47.513N	18.552E	1.8	Nagyegyháza
23	11:12:43.1	47.902N	16.105E	1.0	Austria
24	8:10:20.5	47.276N	18.224E	1.1	Kincsesbánya
24	8:35:58.4	48.522N	17.451E	1.6	Slovakia
24	9:11:44.9	47.197N	18.287E	0.8	Sárkeszi
24	9:53:55.7	47.887N	20.208E	1.8	Egerszólát
24	10:00:03.0	48.900N	20.486E	2.0	Slovakia
24	10:52:56.1	47.307N	18.439E	1.9	Zámoly
24	11:01:04.3	48.839N	20.919E	2.0	Slovakia
24	11:14:51.0	47.285N	18.404E	1.5	Zámoly
24	13:44:29.3	47.106N	19.358E	1.9	Tatárszentgyörgy
25	10:00:45.6	48.123N	16.874E	1.6	Austria
25	10:13:31.6	46.871N	17.259E	1.8	Zalaszántó
25	10:34:27.6	48.713N	22.384E	1.8	Ukraine
25	10:37:31.2	48.617N	20.811E	1.6	Slovakia
25	11:03:22.8	48.015N	16.137E	1.0	Austria
25	14:19:51.9	47.085N	19.365E	2.0	Tatárszentgyörgy
26	5:43:25.6	48.995N	21.683E	1.4	Slovakia
26	7:56:41.4	48.408N	17.227E	1.9	Slovakia
26	8:46:16.1	46.155N	17.998E	1.4	Hetvehely
26	8:54:11.3	46.172N	18.307E	0.7	Zobákpuszt
26	9:29:49.0	48.266N	21.378E	2.3	Erdőbénye
26	9:50:27.7	47.210N	18.282E	0.9	Iszkaszentgyörgy
26	13:37:14.6	45.545N	17.296E	1.7	Croatia
26	15:00:05.2	47.101N	19.365E	1.6	Tatárszentgyörgy
27	10:00:36.0	48.871N	20.877E	2.0	Slovakia
30	13:10:32.1	47.585N	18.372E	1.4	Vértesszőlős
30	13:18:52.9	47.715N	18.631E	1.7	Tát
31	8:56:38.4	47.932N	16.446E	1.0	Austria
31	9:16:47.7	47.057N	18.035E	1.5	Balatonfűzfő
31	11:07:12.3	47.848N	16.116E	1.4	Austria

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01	8:29:47.4	48.813N	16.156E	2.0	Czechia
01	8:37:26.6	46.055N	22.798E	1.8	Romania
02	10:08:43.3	47.195N	18.292E	1.0	Székesfehérvár
02	10:38:34.2	48.690N	22.433E	2.4	Ukraine
02	11:56:23.4	47.314N	18.435E	2.1	Zámoly
02	12:38:15.0	47.312N	18.411E	2.1	Zámoly
02	12:46:47.8	47.879N	16.060E	1.3	Austria
03	8:31:13.6	47.841N	19.409E	1.9	Galgaguta
03	9:57:43.1	48.425N	17.231E	2.2	Slovakia
03	17:09:15.0	47.893N	16.197E	1.5	Austria
06	9:38:49.3	48.526N	17.492E	1.7	Slovakia
06	9:41:19.8	47.296N	18.328E	1.9	Magyaralmás
06	10:07:10.7	45.620N	17.263E	1.6	Croatia
06	12:48:18.1	47.877N	16.044E	1.2	Austria
06	13:10:53.2	47.436N	16.257E	1.6	Austria
06	14:18:13.6	47.091N	19.371E	1.9	Tatárszentgyörgy
07	9:40:54.5	47.737N	19.769E	1.2	Ecséd
07	10:16:10.0	47.190N	18.294E	0.5	Sárkeszi
07	11:19:12.6	47.289N	18.388E	1.0	Zámoly
07	12:04:36.2	47.927N	16.122E	1.1	Austria
07	12:08:31.8	48.344N	18.147E	1.8	Slovakia
07	15:18:32.6	47.080N	19.405E	1.8	Tatárszentgyörgy
08	9:14:03.3	46.211N	18.266E	1.1	Komló

Hypocenter Parameters

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08	10:21:21.7	46.838N	17.332E	1.8	Lesencefalu
08	15:11:00.5	47.102N	19.322E	1.9	Tatárszentgyörgy
09	10:39:25.0	47.300N	18.505E	1.7	Pátka
09	10:49:09.2	47.292N	18.420E	1.8	Zámoly
09	11:44:03.5	48.900N	22.139E	2.2	Slovakia
09	12:01:56.0	47.911N	19.338E	1.9	Szécsénke
09	12:53:19.1	47.662N	16.057E	1.1	Austria
09	13:12:38.5	47.318N	16.333E	1.4	Austria
09	14:12:20.2	47.088N	19.372E	1.9	Tatárszentgyörgy
09	14:13:31.5	48.397N	17.018E	1.7	Slovakia
09	14:14:25.1	48.470N	17.063E	1.5	Slovakia
10	8:06:31.0	48.700N	19.122E	1.8	Slovakia
10	10:16:33.5	48.572N	20.764E	1.5	Tornanádaska
10	14:53:24.9	47.943N	16.021E	1.3	Austria
13	6:46:30.7	47.969N	16.045E	1.5	Austria
13	9:37:37.5	47.678N	19.160E	1.4	Göd
13	9:42:37.4	48.521N	17.457E	1.7	Slovakia
13	10:59:57.7	48.140N	16.879E	1.6	Austria
13	11:09:52.7	45.598N	17.672E	1.5	Croatia
13	12:25:48.0	47.872N	16.065E	1.1	Austria
14	9:07:18.6	47.803N	19.116E	1.5	Vác
14	9:56:35.5	48.439N	19.502E	1.9	Slovakia
14	9:57:52.9	48.340N	19.830E	1.8	Slovakia
14	10:13:00.2	47.214N	18.263E	0.8	Iszkaszentgyörgy
14	11:27:45.1	46.132N	18.046E	1.4	Hetvehely
15	8:34:20.5	47.079N	18.070E	1.3	Papkeszi
15	9:46:11.9	48.561N	20.762E	1.5	Komjáti
15	10:55:32.2	48.901N	21.013E	1.3	Slovakia
15	11:40:29.9	48.437N	17.234E	2.1	Slovakia
15	12:05:21.1	48.362N	19.826E	1.7	Slovakia
16	7:46:32.4	48.429N	17.233E	1.7	Slovakia
16	8:14:35.5	47.306N	18.475E	1.5	Pátka
16	8:56:34.9	48.225N	18.764E	2.0	Slovakia
16	10:25:11.5	47.660N	18.502E	1.5	Héreg
16	10:46:56.3	48.571N	20.788E	1.4	Tornanádaska
16	14:02:21.5	47.810N	20.215E	1.3	Vécs
17	8:21:37.6	47.284N	18.309E	1.8	Magyaralmás
17	9:36:53.8	47.174N	18.226E	0.9	Csór
20	10:07:36.7	47.072N	18.118E	1.2	Papkeszi
20	10:32:17.9	47.288N	17.628E	1.5	Homokbödöge
20	12:45:10.4	47.868N	16.046E	1.3	Austria
21	8:20:18.9	47.923N	19.153E	2.0	Rétság
21	9:00:51.8	47.084N	18.023E	0.6	Litér
21	9:53:14.0	47.196N	18.296E	0.5	Székesfehérvár
21	10:09:12.9	48.908N	21.245E	1.7	Slovakia
21	10:32:11.7	47.852N	16.037E	1.1	Austria
21	10:49:17.3	47.969N	16.099E	1.0	Austria
21	11:00:23.5	48.081N	16.909E	1.7	Austria
22	9:39:49.5	48.573N	20.857E	1.5	Hidvégardó
22	9:54:26.8	47.609N	18.456E	1.2	Vérttestolna
22	10:01:42.9	48.627N	17.528E	1.8	Slovakia
22	10:14:23.6	48.332N	19.773E	1.8	Slovakia
22	10:36:41.9	48.804N	21.206E	1.7	Slovakia
22	10:39:59.2	46.194N	18.045E	1.4	Kisbeszterce
22	10:47:19.2	46.850N	17.300E	1.9	Vállus
22	10:57:35.5	46.042N	22.787E	1.7	Romania
23	9:46:27.1	46.214N	18.257E	1.0	Komló
23	10:45:56.5	47.189N	18.304E	0.8	Székesfehérvár
23	10:49:20.4	47.857N	16.024E	1.4	Austria
24	6:51:50.6	48.163N	20.356E	1.9	Csokvaomány

Földrengés paraméterek

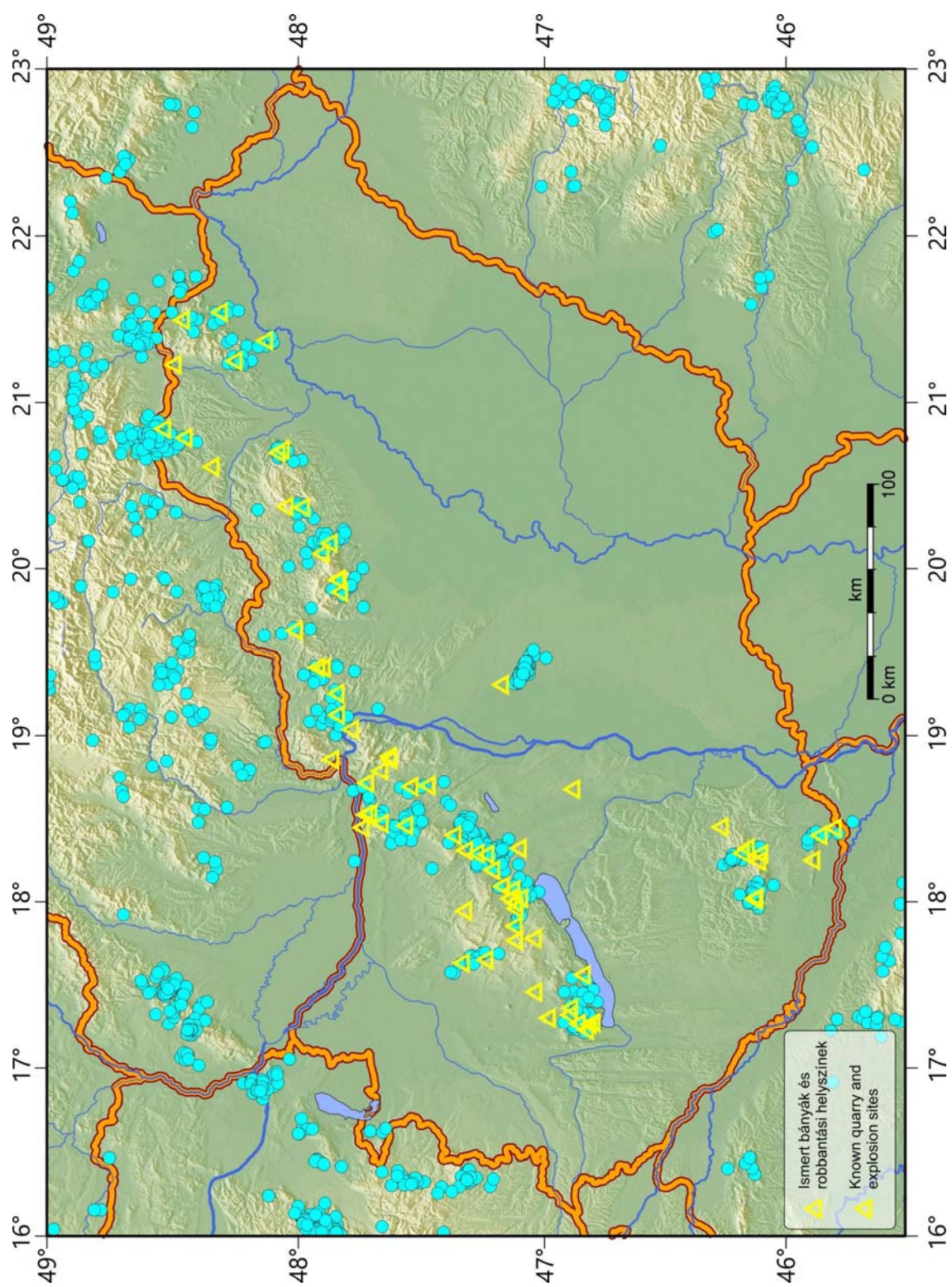
Hypocenter Parameters

24	8:45:13.7	46.879N	17.249E	1.8	Zalaszántó
24	12:37:22.6	46.152N	16.467E	2.4	Croatia
27	9:22:12.3	46.918N	17.458E	1.5	Zalahaláp
27	9:41:48.5	47.936N	19.318E	1.6	Kisecset
27	10:01:41.6	48.536N	17.443E	1.4	Slovakia
27	10:30:46.4	47.542N	16.308E	1.8	Austria
27	10:33:09.8	48.656N	21.446E	1.8	Slovakia
27	12:20:30.7	46.817N	17.425E	1.3	Hegymagas
28	8:29:11.7	47.322N	18.454E	1.7	Pátka
28	9:34:55.7	48.494N	17.503E	1.7	Slovakia
29	9:20:07.0	47.973N	16.081E	1.1	Austria
29	10:00:49.9	48.576N	20.784E	1.5	Tornanádaska
29	11:00:26.9	48.146N	16.885E	1.7	Austria
29	11:56:12.9	48.442N	17.226E	2.4	Slovakia
29	12:10:36.0	48.780N	21.221E	1.7	Slovakia
29	13:04:05.3	47.889N	16.072E	1.1	Austria
29	13:10:48.0	48.539N	17.587E	1.5	Slovakia
29	14:46:04.3	47.896N	16.428E	1.0	Austria
DECEMBER / DECEMBER, 2023					
01	10:23:34.0	47.868N	16.017E	0.7	Austria
01	10:36:44.8	48.599N	20.785E	1.5	Slovakia
01	10:49:11.8	48.600N	21.453E	1.5	Slovakia
01	12:01:20.8	48.379N	18.264E	1.9	Slovakia
04	9:39:31.0	48.528N	17.449E	1.8	Slovakia
04	9:48:20.7	47.498N	18.484E	1.1	Szárliget
04	10:10:21.8	48.374N	18.555E	2.0	Slovakia
04	10:59:58.8	48.163N	16.865E	1.9	Austria
04	11:36:32.6	47.832N	19.057E	1.5	Verőce
05	8:51:16.7	48.521N	17.479E	1.2	Slovakia
05	9:36:27.8	48.633N	19.101E	1.7	Slovakia
05	9:41:41.1	47.962N	16.092E	1.2	Austria
05	9:52:01.9	46.229N	18.256E	1.0	Kisbattyán
05	10:42:14.5	47.893N	16.059E	1.4	Austria
05	10:48:13.3	47.175N	18.314E	0.6	Székesfehérvár
06	0:39:08.3	48.644N	20.227E	1.7	Slovakia
06	8:39:22.6	47.854N	19.118E	1.5	Szendehely
06	9:12:47.2	48.812N	19.478E	1.8	Slovakia
06	11:01:03.5	46.920N	17.277E	1.6	Sümegeprága
06	12:03:25.6	46.878N	17.336E	2.1	Lesenceistvánd
07	7:44:54.5	46.833N	22.895E	1.6	Romania
07	10:25:39.1	48.931N	21.307E	1.7	Slovakia
07	10:50:59.6	47.219N	18.274E	0.6	Iszkaszentgyörgy
07	11:29:21.4	47.647N	16.639E	1.2	Kópháza
07	12:32:01.5	47.887N	16.063E	1.3	Austria
08	7:27:59.6	47.282N	18.344E	0.9	Magyaralmás
08	8:33:26.3	47.280N	18.340E	0.9	Magyaralmás
08	9:06:12.0	47.319N	18.444E	1.2	Zámoly
08	9:11:12.2	48.699N	18.632E	1.9	Slovakia
08	9:22:05.4	48.559N	20.763E	1.7	Komjáti
08	9:57:23.1	48.109N	21.393E	1.9	Tokaj
08	10:42:18.6	48.801N	21.637E	2.1	Slovakia
09	11:25:40.2	48.600N	20.815E	1.5	Slovakia
09	13:16:19.6	45.583N	17.729E	1.7	Croatia
11	8:37:25.2	46.035N	22.781E	1.7	Romania
11	10:47:18.6	47.095N	17.987E	1.3	Litér
11	10:59:60.0	48.085N	16.959E	2.0	Austria
11	11:04:55.5	47.563N	18.481E	1.1	Tatabánya
11	12:57:09.3	48.378N	19.887E	1.6	Slovakia
11	15:50:29.4	48.561N	17.576E	1.9	Slovakia

Hypocenter Parameters

Földrengés paraméterek

12	8:39:16.2	47.344N	18.476E	1.5	Lovasberény
12	9:15:45.6	45.666N	17.341E	1.5	Croatia
12	9:23:46.3	47.819N	19.836E	1.6	Gyöngyöstarján
12	9:30:49.5	48.664N	20.806E	1.5	Slovakia
12	10:07:22.9	48.558N	20.801E	1.1	Tornanádaska
12	10:19:25.0	45.618N	17.305E	2.2	Croatia
12	11:04:24.7	48.442N	19.147E	1.8	Slovakia
12	12:47:40.8	48.443N	17.230E	2.2	Slovakia
13	9:45:07.2	46.867N	17.353E	1.8	Lesenceistvánd
13	10:29:19.9	48.457N	19.515E	1.8	Slovakia
13	11:08:22.9	48.599N	20.817E	1.4	Slovakia
13	11:31:32.6	48.891N	21.149E	1.5	Slovakia
13	14:30:26.6	48.447N	17.087E	1.6	Slovakia
13	14:31:12.1	48.458N	17.090E	1.5	Slovakia
13	14:32:20.7	48.441N	17.078E	1.6	Slovakia
13	14:33:06.9	48.440N	17.064E	1.5	Slovakia
13	14:33:55.4	48.452N	17.049E	1.6	Slovakia
14	7:57:49.4	47.383N	17.578E	1.3	Vanyola
14	9:45:32.3	47.102N	18.146E	1.6	Berhida
14	10:12:52.4	48.234N	21.238E	1.9	Tállya
14	10:31:56.6	48.602N	20.786E	1.5	Slovakia
14	12:33:23.5	47.886N	16.073E	1.0	Austria
14	13:11:21.5	48.446N	17.086E	1.6	Slovakia
14	13:11:56.2	48.439N	17.054E	1.6	Slovakia
15	8:10:45.0	47.965N	20.342E	1.4	Szarvaskó
15	8:13:05.9	47.274N	18.353E	1.3	Sárkeresztes
15	8:18:30.4	47.313N	18.454E	1.7	Pátka
15	9:39:01.2	48.555N	20.794E	1.3	Tornanádaska
15	10:26:26.1	48.668N	21.467E	1.7	Slovakia
18	10:19:32.0	47.905N	16.026E	1.5	Austria
18	10:36:55.9	48.593N	20.777E	1.6	Slovakia
19	7:29:35.8	47.120N	18.095E	1.4	Vilonya
19	7:44:10.0	46.011N	22.828E	1.7	Romania
19	8:26:16.1	48.513N	20.812E	1.6	Tornaszentandrás
19	9:49:38.0	48.590N	20.798E	1.6	Slovakia
19	10:10:25.4	45.975N	22.338E	1.4	Romania
19	10:35:09.5	47.892N	20.180E	1.7	Tarnaszentmária
19	10:36:55.8	47.846N	16.022E	1.4	Austria
19	11:00:36.1	48.151N	16.865E	2.0	Austria
20	7:30:57.5	47.981N	16.076E	1.3	Austria
20	8:51:25.1	48.596N	20.752E	1.6	Slovakia
20	11:52:54.6	45.509N	18.111E	1.5	Croatia
20	12:36:45.9	47.890N	16.092E	1.3	Austria
20	13:30:59.7	48.533N	19.938E	1.7	Slovakia
21	7:49:37.0	47.963N	16.066E	1.5	Austria
21	10:20:10.6	47.931N	16.129E	0.9	Austria



3.3. ábra A 2023-ban regisztrált robbantások epicentrumai

Figure 3.3. Epicenters of 2023 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 számításhoz.
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 calculation.
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.

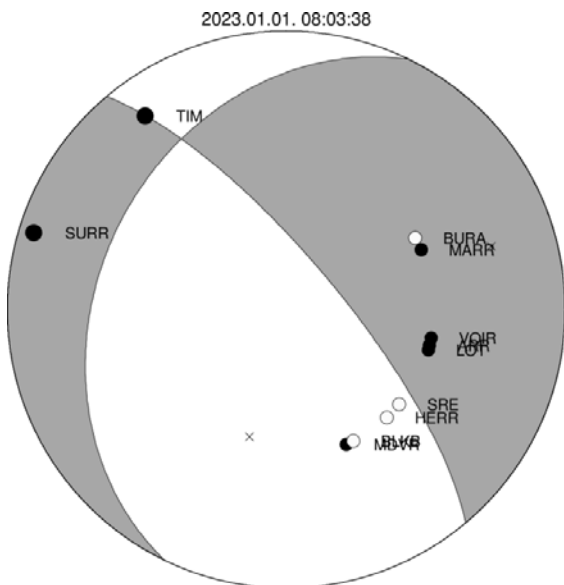
Fault plane solutions were attempted for each event where any information for the stress field could be drawn. Stereographic projections of the lower focal hemisphere are shown, „X” denotes the main stress axis. „●” compressional first motion; „○” dilatational first motion. Strike, dip and slip values 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

1.
 2023-01-01 time: 8:03:38.76 UTC ML= 2.6
 lat: 46.004N lon: 20.946E h= 10.1 km
 erh= 3.1km erz= 3.1km
 nr= 52 gap= 99 rms=1.33
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	36.6	144	PgC	8:03:45.76			0.23
			Sg		03:51.80		0.98
BZS	67.6	130	Pg	8:03:50.50			-0.46
			Sg		03:59.66		-0.82
BANR	70.6	168	Pg	8:03:51.48			-0.02
			Sg		04:02.00		0.56
SURR	95.6	107	PgC	8:03:54.81			-1.12
			Sg		04:06.60		-2.72
PKS6	125.4	302	Pn	8:03:58.80			-1.33
			Sn		04:14.51		-2.29
PKSN	129.3	320	Pn	8:04:00.35			-0.28
			Sn		04:15.56		-2.12
PKB3	143.0	289	Pn	8:04:02.62			0.29
			Sn		04:18.67		-2.04
PKS2	144.2	292	Pn	8:04:01.33			-1.15



MDVR	148.5	156	Sn	04:20.53			-0.46
			PnC	8:04:02.41			-0.61
			Sn	04:20.80			-1.14
PKB2	150.9	300	Sn	8:04:22.28			-0.19
DEV	152.4	95	Pn	8:04:03.77			0.28
			Sn	04:21.64			-1.15
BSZH	153.1	340	Sn	8:04:24.57			1.61
GZR	157.9	115	Pn	8:04:05.29			1.10
			Sn	04:24.75			0.73
DRGR	161.5	57	Pn	8:04:05.76			1.12
			Sn	04:23.01			-1.82
			PnD	8:04:05.59			-0.07
HERR	169.7	137	Sn	8:04:29.96			1.15
PKS7	179.5	310	Pn	8:04:08.21			1.33
MORH	179.5	278	Sn	04:26.68			-2.14
PKSM	179.7	277	Pn	8:04:05.47			-1.43
			Sn	04:29.96			1.10
PKB5	182.6	291	Pn	8:04:08.90			1.64
			Sn	04:27.96			-1.53
MARR	183.2	66	PnC	8:04:08.74			1.40
PKB1	187.0	298	Pn	8:04:09.33			1.51
			Sn	04:29.92			-0.56
MESR	199.5	50	Sn	8:04:33.30			0.05

Földrengés paraméterek

PKSV	209.3	266	Pn	8:04:13.65			3.05
			Sn	04:39.57			4.14
PKS9	215.5	287	Sn	8:04:40.50			3.69
CJR	218.8	69	Pn	8:04:14.96			3.18
KOVH	220.5	272	Pn	8:04:15.27			3.28
PSZ	227.4	339	Pn	8:04:12.63			-0.22
LOT	228.3	106	PnC	8:04:14.05			1.08
SRE	231.5	130	PnD	8:04:14.96			1.60
PENC	235.7	327	Pn	8:04:13.65			-0.23
TRPA	265.6	27	Pn	8:04:16.91			-0.70
SRO	284.1	315	ePn	8:04:22.40			2.48
ARR	295.8	104	PnC	8:04:22.89			1.50
			Sn	04:55.80			1.16*
BLKB	297.9	153	PnD	8:04:21.03			-0.61
VOIR	325.6	101	PnC	8:04:26.60			1.50*
			Sn	05:01.10			-0.15*
BLY	326.1	245	Pn	8:04:34.15			8.99*
BURA	371.9	61	PnD	8:04:33.08			2.21*
MODS	383.1	313	ePn	8:04:33.90			1.64*
RONA	401.6	298	Pn	8:04:34.72			0.14*
			Sn	05:15.30			-2.82*
ARSA	437.8	288	Pn	8:04:39.50			0.41*
			Sn	05:23.81			-2.34*

2.
 2023-01-01 time: 8:38:12.76 UTC ML= 1.9
 lat: 45.827N lon: 16.937E h= 17.8 km
 erh= 3.5km erz= 4.5km
 nr= 13 gap=184 rms=0.67
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	72.6	350	S*	8:38:36.54			0.42
KOGS	87.1	322	P*	8:38:27.93			-0.16
			S*	38:39.57			-0.48
KOVH	94.7	72	P*	8:38:28.76			-0.48
			S*	38:40.81			-1.29
PKSV	102.3	86	Sn	8:38:42.36			-1.58
CRES	115.0	270	Pn	8:38:31.83			-0.03
			Sn	38:46.27			-0.48
GROS	131.4	302	Sn	8:38:50.77			0.38
PKSM	138.7	72	Pn	8:38:35.61			0.80
			Sn	38:52.75			0.74
MORH	139.1	72	Pn	8:38:35.65			0.80
			Sn	38:52.84			0.75

3.
 2023-01-01 time: 15:57:55.41 UTC ML= 2.0
 lat: 45.839N lon: 16.929E h= 18.7 km
 erh= 2.6km erz= 3.6km
 nr= 12 gap=196 rms=0.49
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	71.1	350	P*	15:58:08.44			0.22
			S*	58:18.59			0.37
KOGS	85.6	322	P*	15:58:10.33			-0.10
			S*	58:21.99			-0.16
KOVH	94.9	73	P*	15:58:11.22			-0.61
			S*	58:22.88			-1.77
CRES	114.4	269	Pn	15:58:13.96			-0.35
			Sn	58:28.74			-0.32
PKSM	138.9	73	Pn	15:58:18.13			0.77
			Sn	58:34.55			0.06
MORH	139.2	72	Pn	15:58:18.01			0.60
			Sn	58:34.69			0.12

Földrengés paraméterek

Hypocenter Parameters

4.
 2023-01-01 time: 23:11:07.27 UTC ML= 0.5
 lat: 45.970N lon: 18.332E h= 0.8 km
 erh= 0.3km erz= 7.1km
 nr= 8 gap=173 rms=0.14
 Locality: Kisherend
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	10.9	214	Pg	23:11:09.17	-0.05
			Sg	11:10.49	-0.25
KOVH	22.3	306	PgU	23:11:11.38	0.13
			Sg	11:14.19	-0.17
PKSM	36.0	42	PgD	23:11:13.86	0.16
			Sg	11:18.64	-0.09
MORH	36.5	41	PgD	23:11:13.88	0.09
			Sg	11:18.69	-0.19

5.
 2023-01-02 time: 12:02:25.48 UTC ML= 1.8
 lat: 47.983N lon: 16.638E h= 0.0 km
 erh= 2.8km erz= 768km
 nr= 9 gap=143 rms=0.57
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	33.9	190	Sg	12:02:35.56	-0.68
RONA	40.6	219	Pg	12:02:33.11	0.38
			Sg	02:38.12	-0.26
CONA	58.3	264	Pg	12:02:36.26	0.37
			Sg	02:43.75	-0.27
MODS	64.4	48	Pg	12:02:37.63	0.66
			Sg	02:45.42	-0.52
KRUC	121.3	351	Pg	12:02:46.88	-0.25
			Sg	03:01.13	-2.90

6.
 2023-01-03 time: 10:47:07.21 UTC ML= 2.1
 lat: 45.753N lon: 20.670E h= 14.1 km
 erh= 4.6km erz= 3.2km
 nr= 28 gap=132 rms=1.38
 Locality: Serbia
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	42.9	92	PgD	10:47:15.65	0.38
			Sg	47:22.40	0.85
BANR	54.9	139	Sg	10:47:24.52	-0.70
BZS	75.2	102	PgU	10:47:20.70	-0.18
			Sg	47:29.94	-1.60
SURR	113.1	90	PnD	10:47:26.53	-0.02
			Sn	47:40.20	-1.44
PKS6	127.1	318	Pn	10:47:28.24	-0.06
			Sn	47:43.60	-1.14
MDVR	135.4	143	PnC	10:47:31.25	1.92
			Sn	47:47.70	1.11
PKB3	136.4	303	Sn	10:47:44.82	-1.97
PKB2	150.5	313	Pn	10:47:31.81	0.60
MORH	165.2	288	Pn	10:47:31.39	-1.66
			Sn	47:50.98	-2.22
PKSM	165.3	288	Pn	10:47:31.44	-1.62
			Sn	47:55.51	2.29
GZR	169.2	104	Sn	10:47:54.12	0.04
DEV	174.1	85	Sn	10:47:54.25	-0.93
PKB5	176.3	302	Sn	10:47:58.18	2.52
PKS7	184.9	321	Sn	10:48:00.30	2.73
PKSV	188.6	275	Pn	10:47:38.30	2.35
			Sn	47:56.97	-1.40
DRGR	195.2	54	Pn	10:47:38.29	1.51
			Sn	47:58.02	-1.82
PKS9	206.7	297	Sn	10:48:07.16	4.76

MARR 215.0 61 PnC 10:47:40.12 0.87
 Sn 48:04.00 -0.25

7.
 2023-01-03 time: 12:33:01.60 UTC ML= 1.3
 lat: 47.891N lon: 16.064E h= 0.0 km
 erh= 2.0km erz= 3.7km
 nr= 8 gap=130 rms=0.84
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.7	285	Pg	12:33:05.25	0.85
			Sg	33:07.15	0.57
RONA	27.5	141	Pg	12:33:07.15	0.64
			Sg	33:10.75	0.40
ARSA	82.1	210	Pg	12:33:15.68	-0.57
			Sg	33:26.58	-1.11
KRUC	132.4	11	Pn	12:33:24.91	-0.23
			Sn	33:40.74	-2.77

8.
 2023-01-03 time: 19:27:33.80 UTC ML= 1.3
 lat: 47.766N lon: 18.154E h= 16.1 km
 erh= 2.5km erz= 2.3km
 nr= 13 gap= 99 rms=0.27
 Locality: Komárom
 Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	13.0	66	Pg	19:27:37.60	0.10
			Sg	27:40.16	-0.22
PKSG	45.3	157	Pg	19:27:42.80	0.42
			Sg	27:49.08	0.00
CSKK	45.5	170	Pg	19:27:42.21	-0.22
			Sg	27:48.85	-0.30
PKST	57.1	189	Sg	19:27:52.40	-0.27
EGYH	73.0	238	S*	19:27:57.85	0.29
MPLH	80.9	215	P*	19:27:48.75	0.41
			S*	27:59.56	-0.13
MODS	94.0	316	P*	19:27:50.28	-0.05
			S*	28:03.05	-0.18
SMOL	99.1	327	S*	19:28:04.17	-0.45

9.
 2023-01-04 time: 23:42:13.68 UTC ML= 1.9
 lat: 45.910N lon: 16.010E h= 9.3 km
 erh= 1.5km erz= 1.1km
 nr= 12 gap= 67 rms=0.36
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.2	255	Pg	23:42:15.27	-0.24
			Sg	42:16.35	-0.59
ZAG	9.0	188	Pg	23:42:16.04	0.04
			Sg	42:17.94	0.13
CRES	44.0	258	Pg	23:42:22.16	0.45
			Sg	42:27.97	0.00
KOGS	62.7	17	Pg	23:42:25.06	0.06
GROS	72.8	327	Pg	23:42:27.12	0.33
			Sg	42:36.71	-0.30
PERS	106.1	320	S*	23:42:46.63	-0.90
BLY	158.5	145	Sn	23:42:58.71	-0.54
KOVH	163.1	83	Sn	23:43:00.88	0.60

Hypocenter Parameters

Földrengés paraméterek

10.

2023-01-05 time: 5:12:32.41 UTC ML= 3.8
 lat: 45.765N lon: 18.764E h= 3.8 km
 erh= 1.5km erz= 1.3km
 nr= 65 gap= 90 rms=0.75
 Locality: Eszék, Croatia
 Comments: felt 4-5 MIS/IIS

sta	dist	azm	phase	hr	mn	sec	res
PKSV	42.1	289	Pg	5:12:40.55		0.59	
			Sg		12:46.29	0.45	
PKSM	50.6	349	Pg	5:12:41.81		0.34	
			Sg		12:48.41	-0.13	
MORH	51.0	350	Pg	5:12:41.79		0.25	
			Sg		12:48.47	-0.20	
KOVH	62.8	305	Pg	5:12:43.91		0.26	
			Sg		12:51.85	-0.57	
PKB3	80.5	24	Pg	5:12:46.75		-0.05	
			Sg		12:57.86	-0.17	
PKB4	82.3	351	Pg	5:12:47.63		0.51	
			Sg		12:59.04	0.45	
PKS2	88.0	23	Pg	5:12:48.17		0.03	
			Sg		13:00.24	-0.17	
PKB5	92.3	359	Pg	5:12:49.77		0.86	
			Sg		13:01.84	0.06	
PKS9	98.8	338	Pg	5:12:50.44		0.38	
			Sg		13:04.13	0.30	
PKB2	107.6	20	Pg	5:12:51.38		-0.26	
			Sg		13:06.09	-0.56	
PKS6	111.5	34	Pg	5:12:51.81		-0.53	
			Sg		13:06.26	-1.63	
PKB1	113.4	1	Pg	5:12:52.09		-0.58	
			Sg		13:07.10	-1.37	
TIH	142.9	332	Pn	5:12:57.80		1.02	
			Sn		13:15.27	-0.51	
PKS7	145.8	12	Pn	5:12:58.03		0.89	
			Sn		13:15.44	-0.99	
PKSN	151.9	34	Pn	5:12:58.76		0.86	
			Sn		13:18.54	0.76	
R93E	152.2	254	Pn	5:12:58.42		0.48	
BLY	167.7	228	Pn	5:12:58.64		-1.23	
BEHE	172.5	297	Pn	5:12:59.95		-0.52	
			Sn		13:25.28	2.92	
RCE5	173.2	138	Pn	5:12:59.65		-0.91	
PKST	175.3	341	Pn	5:13:00.26		-0.56	
			Sn		13:23.11	0.14	
CSKK	181.8	348	Pn	5:13:01.21		-0.42	
			Sn		13:24.74	0.32	
MPLH	182.3	329	Pn	5:13:01.53		-0.17	
			Sn		13:28.55	4.01*	
PKSG	183.1	351	Pn	5:13:01.08		-0.71	
			Sn		13:25.50	0.79	
BANR	190.0	103	PnC	5:13:04.64		2.00	
TIM	191.2	91	PnD	5:13:04.76		1.96	
BUD	192.1	6	Sn	5:13:27.68		0.97	
KOGS	208.7	291	Pn	5:13:03.96		-1.02	
			Sn		13:35.04	4.66*	
EGYH	214.0	329	Pn	5:13:06.71		1.07	
ZAG	215.5	272	Pn	5:13:04.97		-0.86	
PTJ	218.5	274	Pn	5:13:04.99		-1.22	
			Sn		13:36.27	3.70*	
BZS	222.8	94	Pn	5:13:05.78		-0.97	
			Sn		13:36.04	2.51	
PENC	228.6	10	Pn	5:13:06.69		-0.78	
SRO	230.3	351	Pn	5:13:07.62		-0.06	
PSZ	254.5	20	Pn	5:13:09.24		-1.45	
MDVR	255.9	115	PnC	5:13:11.01		0.14	
CRES	257.2	272	Pn	5:13:09.86		-1.17	
SURR	261.5	90	PnC	5:13:11.49		-0.07	
GROS	263.8	287	PnU	5:13:10.68		-1.17	
SOP	271.9	322	PnU	5:13:12.41		-0.45	
RONA	286.1	319	Pn	5:13:14.21		-0.42	
PERS	297.7	289	Pn	5:13:14.99		-1.09	
ZST	298.4	335	Pn	5:13:15.57		-0.60	

ARSA	298.6	304	Pn	5:13:15.69		-0.50	
HERR	302.7	109	PnD	5:13:16.60		-0.11*	
SOKA	305.3	289	Pn	5:13:15.87		-1.15*	
			Sn		13:48.72	-3.10*	
MODS	311.2	339	Pn	5:13:17.34		-0.43*	
GZR	315.9	98	PnD	5:13:18.42		0.07*	
SMOL	322.0	342	Pn	5:13:18.91		-0.20*	
DRGR	325.0	69	Pn	5:13:17.96		-1.52*	
CONA	326.9	317	Pn	5:13:19.29		-0.43*	
WINA	331.4	322	Pn	5:13:19.96		-0.32*	
BOVS	332.2	135	PnC	5:13:19.92		-0.46*	
OBKA	336.1	284	Pn	5:13:19.98		-0.88*	
			Sn		13:56.75	-1.90*	
ABAH	338.5	34	Pn	5:13:20.87		-0.30*	
MESR	356.5	64	PnC	5:13:24.34		0.93*	
SRE	369.8	109	PnD	5:13:26.77		1.70*	
PDG	372.6	174	PnC	5:13:25.62		0.20*	
LANS	380.2	8	Pn	5:13:26.64		0.28*	
CJR	387.5	74	PnC	5:13:27.22		-0.06*	
BLKB	390.9	128	PnC	5:13:27.04		-0.66*	
LOT	392.1	95	PnC	5:13:29.37		1.52*	
MYKA	406.9	284	Pn	5:13:29.76		0.06*	
ABNA	409.9	322	Pn	5:13:29.65		-0.42*	
MOA	414.2	304	Pn	5:13:30.20		-0.41*	
VRAC	426.5	337	PnD	5:13:31.39		-0.75*	
ARCR	454.1	71	PnD	5:13:36.27		0.69*	
MORC	455.4	348	PnD	5:13:35.60		-0.14*	
ARR	460.4	96	PnD	5:13:37.37		1.01*	
VOIR	491.8	94	PnD	5:13:41.15		0.87*	
ABTA	494.3	283	Pn	5:13:40.60		0.01*	
OJC	501.3	9	Pn	5:13:41.19		-0.28*	
LESA	501.6	292	Pn	5:13:41.26		-0.24*	
			Sn		14:35.19	-0.21*	
DOPR	514.9	87	PnD	5:13:43.92		0.75*	
BURA	534.8	67	PnC	5:13:46.09		0.45*	
KHC	541.3	314	ePn	5:13:46.70		0.24*	
WTTA	571.8	287	Pn	5:13:51.09		0.83*	
WATA	578.2	288	Pn	5:13:51.83		0.77*	
SQTA	602.2	286	Pn	5:13:54.57		0.52*	
FETA	633.6	283	Pn	5:13:59.09		1.13*	

11.

2023-01-05 time: 6:04:14.20 UTC ML= 1.1
 lat: 45.815N lon: 18.700E h= 13.9 km
 erh= 1.7km erz= 1.7km
 nr= 8 gap=231 rms=0.13
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	35.7	283	Sg	6:04:26.15		-0.22	
PKSM	44.3	354	Pg	6:04:22.39		-0.10	
			Sg		04:28.97	0.01	
MORH	44.7	354	Pg	6:04:22.69		0.13	
			Sg		04:28.88	-0.21	
KOVH	55.5	303	Pg	6:04:24.50		0.08	
			Sg		04:32.53	0.14	
BLY	167.9	225	Sn	6:05:00.86		0.04	

12.

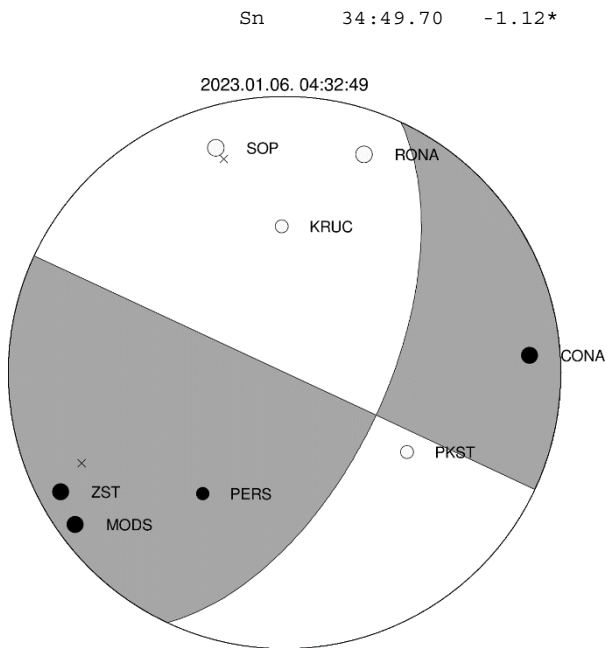
2023-01-06 time: 4:32:49.85 UTC ML= 2.7
 lat: 47.958N lon: 16.433E h= 9.3 km
 erh= 1.4km erz= 1.2km
 nr= 66 gap= 36 rms=0.97
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	30.5	200	PgD	4:32:55.26		-0.27	
			Sg		32:59.05	-0.92	
WINA	31.6	302	Pg	4:32:56.17		0.44	
			Sg		33:00.48	0.17	
SOP	31.9	163	PgD	4:32:55.85		0.07	

Földrengés paraméterek

Hypocenter Parameters

		Sg	32:59.50	-0.91	
CONA	42.8	266	PgU	4:32:57.53	-0.14
		Sg	33:02.98	-0.79	
ZST	56.5	62	PgU	4:33:00.19	0.12
		Sg	33:09.04	1.00	
MODS	78.0	54	PgU	4:33:03.67	-0.20
		Sg	33:14.77	-0.04	
SMOL	96.4	50	Pg	4:33:06.88	-0.26
		Sg	33:20.23	-0.40	
ARSA	104.2	221	Pg	4:33:07.35	-1.18
		Sg	33:19.74	-3.37	
ABNA	108.6	317	Pn	4:33:08.24	-0.99
		Sn	33:20.90	-3.44	
MPLH	120.8	136	Pn	4:33:10.96	0.21
		Sn	33:25.75	-1.31	
KRUC	122.8	359	PnD	4:33:10.61	-0.39
		Sn	33:25.71	-1.80	
SRO	141.5	97	Pn	4:33:13.43	0.09
		Sn	33:30.44	-1.22	
PKST	143.3	123	PnD	4:33:13.54	-0.01
		Sn	33:30.78	-1.27	
CSKK	152.3	116	Pn	4:33:16.51	1.82
		Sn	33:33.25	-0.81	
PKSG	159.9	113	Pn	4:33:15.49	-0.14
		Sn	33:34.48	-1.26	
TIH	161.1	137	Pn	4:33:16.19	0.41
		Sn	33:37.83	1.82	
MOA	162.5	266	Pn	4:33:16.35	0.40
		Sn	33:36.01	-0.30	
KOGS	168.4	185	Pn	4:33:16.42	-0.27
		Sn	33:39.54	1.92	
SOKA	177.3	217	Pn	4:33:19.76	1.96
		Sn	33:38.27	-1.34	
PERS	177.5	214	PnU	4:33:18.22	0.40
		Sn	33:38.49	-1.16	
GROS	180.7	203	Pn	4:33:20.32	2.10
RCF6	184.1	191	Pn	4:33:21.27	2.62
PENC	213.9	95	Sn	4:33:48.01	0.29
OBKA	215.2	222	Pn	4:33:23.44	0.92
		Sn	33:51.24	3.24	
MORC	218.1	22	Pn	4:33:23.35	0.47
		Sn	33:47.59	-1.06	
PKB1	220.8	126	Pn	4:33:23.39	0.17
ZVC	233.1	315	ePn	4:33:26.90	2.14
		eSn	33:53.00	1.01	
KRLC	236.9	6	Pn	4:33:25.86	0.63
		Sn	33:52.82	0.00	
KOVH	243.4	149	Pn	4:33:25.89	-0.15
		Sn	33:54.27	0.00	
KHC	247.9	302	ePn	4:33:28.40	1.80
		eSn	33:54.30	-0.97	
CRES	248.4	197	Pn	4:33:27.09	0.43
KBA	252.3	247	Pn	4:33:28.46	1.31
MORH	256.3	139	Pn	4:33:27.34	-0.31
PKSM	256.5	139	Pn	4:33:27.36	-0.31
MYKA	257.6	235	Sn	4:33:56.92	-0.51
LANS	260.4	59	Sn	4:33:57.95	-0.08
PRU	264.9	328	ePn	4:33:30.10	1.38
		eSn	33:58.50	-0.54	
LESA	288.2	258	Pn	4:33:32.99	1.37
		Sn	34:03.07	-1.13	
ROB8	301.2	219	Pn	4:33:41.56	8.32*
ABTA	325.4	246	Pn	4:33:38.36	2.10*
		Sn	34:10.56	-1.90*	
NIE	328.7	60	Sn	4:34:12.45	-0.74*
BLY	361.3	171	Pn	4:33:41.11	0.37*
WTTA	368.8	258	Pn	4:33:44.05	2.37*
SQTA	401.4	258	Pn	4:33:47.94	2.20*
MOTA	406.2	260	Pn	4:33:48.03	1.70*
		Sn	34:28.97	-1.42*	
RETA	428.7	263	Pn	4:33:50.67	1.53*
		Sn	34:34.43	-0.96*	
FETA	442.3	256	Pn	4:33:52.63	1.79*
		Sn	34:37.95	-0.46*	
DAVA	498.2	261	Pn	4:33:58.95	1.14*



13.

2023-01-06 time: 8:54:03.59 UTC ML= 1.0
 lat: 46.138N lon: 18.071E h= 0.0 km
 erh= 2.9km erz= 7.0km
 nr= 10 gap=201 rms=0.56
 Locality: Abaliget
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	6.0	158	Pg	8:54:04.51			-0.15
			Sg	54:05.56			0.07
PKSV	31.1	153	Pg	8:54:09.13			-0.01
			Sg	54:13.08			-0.39
PKSM	44.8	79	Pg	8:54:11.75			0.16
			Sg	54:17.54			-0.29
MORH	45.1	79	Pg	8:54:11.79			0.15
PKS9	52.4	18	Pg	8:54:13.90			0.95
PKST	124.6	359	Sg	8:54:41.83			-1.38
PKSG	141.5	10	Sn	8:54:45.51			-2.00

14.

2023-01-06 time: 15:36:57.44 UTC ML= 1.3
 lat: 47.840N lon: 16.022E h= 0.0 km
 erh= 2.6km erz= 5.8km
 nr= 9 gap=100 rms=0.81
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.5	309	Pg	15:37:00.82			0.62
			Sg	37:02.34			-0.01
RONA	25.9	127	PgU	15:37:02.53			0.47
			Sg	37:06.07			0.41
ARSA	75.6	210	Pg	15:37:11.56			0.63
			Sg	37:19.89			-1.57
MODS	110.7	58	Sg	15:37:32.16			-0.48
KRUC	138.6	11	Pn	15:37:21.02			-0.74
			Sn	37:37.80			-2.93

Hypocenter Parameters

Földrengés paraméterek

15.

2023-01-08 time: 6:47:00.79 UTC ML= 1.7
 lat: 45.880N lon: 21.635E h= 14.6 km
 erh= 2.8km erz= 2.0km
 nr= 18 gap=103 rms=0.83
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	29.3	183	PgU	6:47:06.44			-0.20
			Sg	47:10.81			-0.40
SURR	40.6	110	PgC	6:47:08.92			0.43
			Sg	47:14.00			-0.50
DEV	98.5	90	S*	6:47:30.43			-1.27
GZR	104.2	121	Pn	6:47:19.47			0.52
			Sn	47:32.82			-0.30
MDVR	122.3	177	Sn	6:47:35.70			-1.43
HERR	126.8	151	PnD	6:47:23.06			1.29
			Sn	47:38.80			0.67
DRGR	130.9	39	Pn	6:47:22.43			0.15
			Sn	47:37.36			-1.68
MARR	144.6	52	PnC	6:47:25.30			1.31
			Sn	47:42.20			0.12
PKS6	178.6	297	Sn	6:47:48.87			-0.76
PKB3	197.9	288	Sn	6:47:56.41			2.49
MORH	234.5	279	Sn	6:48:02.15			0.12
PKSM	234.6	279	Pn	6:47:34.37			-0.84

16.

2023-01-08 time: 14:12:20.11 UTC ML= 1.6
 lat: 45.832N lon: 18.028E h= 17.5 km
 erh= 1.5km erz= 0.5km
 nr= 6 gap=301 rms=0.09
 Locality: Kisszentmárton
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	18.6	70	Sg	14:12:28.24			0.02
KOVH	29.1	11	Pg	14:12:26.07			-0.10
			Sg	12:30.99			0.09
PKSM	63.6	48	S*	14:12:40.93			-0.15
MORH	64.1	48	P*	14:12:32.02			0.06
			S*	12:41.30			0.10

17.

2023-01-08 time: 20:36:38.09 UTC ML= 1.4
 lat: 48.895N lon: 21.789E h= 0.0 km
 erh= 3.7km erz= ***km
 nr= 11 gap=139 rms=1.02
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOLS	35.7	83	Pg	20:36:45.13			0.66
			Sg	36:49.86			0.41
HOLU	59.9	133	Sg	20:36:55.68			-1.46
STZU	62.5	78	Pg	20:36:50.13			0.87
			Sg	36:56.67			-1.30
ABAH	78.0	211	Pg	20:36:53.10			1.08
			Sg	37:01.78			-1.10
TRPA	101.5	147	Pg	20:36:56.44			0.22
			Sg	37:08.54			-1.82
BRIU	109.9	124	Sg	20:37:13.68			0.66
NIE	122.4	298	Sg	20:37:15.52			-1.48

18.

2023-01-09 time: 12:02:18.46 UTC ML= 0.8
 lat: 47.880N lon: 16.065E h= 0.0 km
 erh= 1.0km erz= 1.7km
 nr= 6 gap=129 rms=1.12
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.1	289	Pg	12:02:22.04			0.70
			Sg	02:24.21			0.62
RONA	26.5	139	Pg	12:02:23.67			0.48
			Sg	02:27.37			0.49
ARSA	81.0	210	Sg	12:02:42.65			-1.56
KRUC	133.7	11	Sn	12:02:57.96			-2.69

19.

2023-01-09 time: 20:36:25.47 UTC ML= 2.6
 lat: 45.898N lon: 16.050E h= 10.6 km
 erh= 1.4km erz= 1.0km
 nr= 44 gap= 64 rms=0.70
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	7.1	272	Pg	20:36:27.56			-0.19
			Sg	36:28.74			-0.78
ZAG	8.8	209	Pg	20:36:28.05			0.12
			Sg	36:29.82			-0.02
GCIS	33.0	264	iPg	20:36:31.89			0.24
			iSg	36:36.14			-0.34
GOLS	35.3	291	ePg	20:36:32.50			0.45
			eSg	36:37.50			0.32
CESS	46.3	280	ePg	20:36:34.40			0.46
			eSg	36:40.22			-0.34
CRES	46.8	260	Pg	20:36:34.00			-0.03
			Sg	36:40.25			-0.46
RCF6	48.9	352	Pg	20:36:35.13			0.73
DOBS	52.9	302	ePg	20:36:35.56			0.45
			eSg	36:42.08			-0.55
LEGS	57.1	276	iPg	20:36:36.13			0.29
			eSg	36:43.38			-0.54
KOGS	63.1	14	Pg	20:36:37.14			0.25
			Sg	36:45.22			-0.57
GROS	75.5	326	Pg	20:36:38.74			-0.35
			Sg	36:48.86			-0.85
BOJS	76.0	235	ePg	20:36:38.57			-0.61
			eSg	36:49.11			-0.76
PDKS	83.5	283	ePg	20:36:40.41			-0.09
BEHE	84.7	41	Pg	20:36:40.71			-0.01
			Sg	36:52.40			-0.21
PERS	109.1	319	Pn	20:36:44.39			-0.36
			Sn	36:57.80			-2.00
SOKA	116.9	318	Pn	20:36:45.70			-0.03
			Sn	37:00.10			-1.43
OBKA	134.3	300	Pn	20:36:48.72			0.82
			Sn	37:05.37			-0.02
BLY	155.6	145	Pn	20:36:50.44			-0.12
			Sn	37:11.42			1.30
ARSA	155.7	345	Pn	20:36:51.74			1.18
			Sn	37:11.60			1.47
KOVH	160.2	82	Pn	20:36:50.67			-0.46
			Sn	37:08.71			-2.43
TRI	178.9	263	Sn	20:37:18.10			2.80
RONA	201.1	5	Pn	20:36:56.88			0.65
			Sn	37:25.30			5.07*
PKSM	203.6	80	Pn	20:36:55.76			-0.77
			Sn	37:25.86			5.10*
MORH	203.8	80	Pn	20:36:56.04			-0.53
			Sn	37:26.14			5.31*
CONA	226.1	356	Pn	20:37:00.72			1.37
MOA	256.0	328	Pn	20:37:05.14			2.06

Földrengés paraméterek

Hypocenter Parameters

20.

2023-01-10 time: 8:39:14.01 UTC ML= 2.0
 lat: 47.332N lon: 18.445E h= 0.0 km
 erh= 1.6km erz= 3.8km
 nr= 13 gap=114 rms=0.54
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.8	329	PgU	8:39:15.41	0.00
			Sg	39:16.23	-0.27
CSKK	14.3	284	PgU	8:39:16.67	0.10
			Sg	39:17.37	-1.20
PKST	32.1	255	Sg	8:39:23.86	-0.34
MPLH	70.8	255	Pg	8:39:27.33	0.67
			Sg	39:36.52	-0.01
PENC	81.1	51	Sg	8:39:39.60	-0.18
MORH	125.0	173	Sg	8:39:53.19	-0.55
PKSM	125.4	173	Sg	8:39:53.65	-0.22
PSZ	127.0	59	Pg	8:39:37.60	0.91
			Sg	39:53.34	-1.04
KOVH	140.7	191	Sn	8:39:58.01	0.25

21.

2023-01-10 time: 10:14:14.33 UTC ML= 1.8
 lat: 48.891N lon: 21.105E h= 0.0 km
 erh= 3.0km erz= 3.1km
 nr= 15 gap= 96 rms=1.01
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	66.9	171	Pg	10:14:27.26	0.98
			Sg	14:34.40	-1.19
NIE	82.4	315	Pg	10:14:29.03	-0.01
			Sg	14:38.76	-1.75
KOLS	85.8	87	Pg	10:14:30.58	0.93
			Sg	14:40.35	-1.24
STZU	112.1	83	Pg	10:14:34.90	0.56
			Sg	14:50.03	0.08
TRPA	135.6	129	Pn	10:14:37.92	-0.35
			Sn	14:55.74	-1.20
PSZ	140.5	220	Sn	10:14:56.28	-1.75
KWP	142.8	55	Sn	10:14:58.44	-0.11
BRIU	154.0	114	Sn	10:15:00.07	-0.97
OJC	175.4	327	Pn	10:14:45.13	1.89
			Sn	15:06.74	0.95

22.

2023-01-11 time: 10:01:19.81 UTC ML= 0.5
 lat: 47.182N lon: 18.277E h= 0.0 km
 erh= 1.4km erz= 365km
 nr= 7 gap=145 rms=0.24
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.2	356	Pg	10:01:23.74	0.32
			Sg	01:25.90	-0.33
PKST	20.3	295	Pg	10:01:23.63	0.19
			Sg	01:26.03	-0.24
PKSG	24.8	20	Pg	10:01:24.28	0.03
			Sg	01:27.45	-0.26
PKSM	111.4	166	Sg	10:01:54.94	-0.28

23.

2023-01-11 time: 10:25:45.62 UTC ML= 2.0
 lat: 48.586N lon: 20.769E h= 0.0 km
 erh= 3.9km erz= ***km
 nr= 8 gap= 91 rms=0.87
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.5	133	Pg	10:25:54.52	0.42
			Sg	26:00.20	-0.51
NIE	98.4	340	Pg	10:26:04.50	1.30
PSZ	98.7	221	Pg	10:26:03.80	0.56
			Sg	26:16.48	-0.50
LANS	114.3	303	Pg	10:26:05.64	-0.39
			Sg	26:20.12	-1.82
KOLS	117.1	71	Sg	10:26:21.65	-1.20

24.

2023-01-11 time: 10:30:01.10 UTC ML= 2.3
 lat: 48.426N lon: 17.214E h= 0.0 km
 erh= 1.3km erz= 1.8km
 nr= 23 gap= 78 rms=0.73
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.4	141	PgU	10:30:02.83	0.40
			Sg	30:04.29	0.83
SMOL	18.6	58	Pg	10:30:04.37	-0.06
			Sg	30:07.77	0.75
ZST	26.8	198	Pg	10:30:06.14	0.25
			Sg	30:09.77	0.14
KRUC	92.9	320	Pg	10:30:18.35	0.66
			Sg	30:30.01	-0.63
SOP	95.9	211	Sg	10:30:31.32	-0.28
RONA	105.8	220	Pg	10:30:20.71	0.71
			Sg	30:34.05	-0.69
EGYH	112.5	176	Sg	10:30:36.34	-0.51
CONA	114.8	241	Pg	10:30:22.26	0.66
			Sg	30:36.46	-1.13
CSKK	141.7	146	Sn	10:30:42.97	-2.10
MPLH	141.7	170	Sn	10:30:43.74	-1.33
PKST	143.5	155	Pn	10:30:26.38	0.35
PKSG	144.7	143	Sn	30:44.13	-1.34
			Pn	10:30:26.22	0.04
MORC	152.2	9	Sn	30:44.13	-1.61
			Pn	10:30:26.61	-0.50
ZBUD	171.6	128	Sn	30:44.52	-2.87
ZBUD	171.6	128	Pn	10:30:30.12	0.59

25.

2023-01-11 time: 11:00:02.45 UTC ML= 1.8
 lat: 48.139N lon: 16.890E h= 0.0 km
 erh= 2.3km erz= 665km
 nr= 9 gap=154 rms=0.50
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.0	68	Pg	11:00:05.58	0.10
			Sg	00:07.69	-0.16
MODS	38.8	48	Pg	11:00:09.41	0.03
			Sg	00:13.95	-0.84
RONA	66.0	222	Pg	11:00:14.73	0.50
			Sg	00:22.56	-0.87
CONA	80.2	253	Sg	11:00:27.87	-0.08
KRUC	108.9	340	Pg	11:00:22.56	0.66
			Sg	00:36.33	-0.75

Hypocenter Parameters

Földrengés paraméterek

26.

2023-01-11 time: 12:20:53.71 UTC ML= 1.2
 lat: 47.872N lon: 16.043E h= 0.0 km
 erh= 1.4km erz= 2.3km
 nr= 7 gap=124 rms=0.97
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	14.9	295	Pg	12:20:57.13			0.76
			Sg		20:59.32		0.87
RONA	27.0	135	Pg	12:20:59.00			0.47
			Sg		21:03.00		0.71
ARSA	79.4	210	Sg	12:21:17.63			-1.32
KRUC	134.8	11	Pn	12:21:17.00			-0.55
			Sn		21:33.75		-2.40

27.

2023-01-11 time: 12:32:13.13 UTC ML= 1.3
 lat: 47.919N lon: 16.117E h= 0.0 km
 erh= 2.1km erz= 564km
 nr= 6 gap=142 rms=0.34
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	19.1	273	Pg	12:32:16.53			-0.02
			Sg		32:18.80		-0.41
RONA	27.8	151	Pg	12:32:18.36			0.26
			Sg		32:21.42		-0.56
KRUC	128.8	9	Pg	12:32:36.56			0.44
			Sg		32:53.70		-0.36

28.

2023-01-12 time: 1:04:46.19 UTC ML= 2.1
 lat: 45.532N lon: 16.506E h= 5.6 km
 erh= 2.7km erz= 2.0km
 nr= 29 gap=143 rms=0.90
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
R93E	33.2	117	Pg	1:04:53.13			0.93
			Sg		04:57.67		0.77
ZAG	51.8	310	Pg	1:04:56.14			0.65
			Sg		05:02.97		0.22
PTJ	59.1	314	Pg	1:04:56.75			-0.05
			Sg		05:03.73		-1.34
CRES	88.1	292	Pg	1:05:02.07			0.13
			Sg		05:13.98		-0.25
RCF6	98.7	335	Pg	1:05:03.91			0.07
			Sg		05:15.88		-1.73
BLY	102.0	148	Pg	1:05:03.58			-0.85
			Sg		05:15.54		-3.12
KOGS	103.8	349	Pg	1:05:05.29			0.54
			Sg		05:17.96		-1.27
BEHE	106.4	11	Pg	1:05:05.49			0.28
GROS	129.3	323	Pn	1:05:08.42			-0.21
			Sn		05:24.45		-1.69
PKSV	141.6	74	Pn	1:05:09.46			-0.70
			Sn		05:27.75		-1.12
PERS	163.1	319	Pn	1:05:13.60			0.75
			Sn		05:33.28		-0.36
SOKA	170.9	318	Sn	1:05:35.21			-0.16
PKSM	182.2	65	Pn	1:05:16.85			1.62
			Sn		05:36.70		-1.18
MORH	182.6	65	Sn	1:05:39.51			1.55
OBKA	186.5	306	Pn	1:05:19.05			3.29
			Sn		05:39.61		0.79
ARSA	205.5	338	Sn	1:05:44.49			1.45
RONA	241.6	356	Pn	1:05:23.08			0.46

29.

2023-01-12 time: 9:56:25.36 UTC ML= 1.2
 lat: 47.779N lon: 18.669E h= 0.0 km
 erh= 6.3km erz= 627km
 nr= 7 gap=221 rms=0.67
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	46.0	88	Sg	9:56:39.31			-0.66
PKSG	47.8	206	Pg	9:56:34.38			0.48
			Sg		56:39.90		-0.66
PKST	75.0	220	Pg	9:56:39.39			0.64
			Sg		56:48.45		-0.74
PSZ	93.1	80	Pg	9:56:42.42			0.44
			Sg		56:53.71		-1.24

30.

2023-01-13 time: 11:11:09.30 UTC ML= 1.6
 lat: 48.121N lon: 21.358E h= 0.0 km
 erh= 3.0km erz= 823km
 nr= 7 gap=169 rms=0.55
 Locality: Tarcsl
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	21.3	336	Pg	11:11:13.88			0.78
			Sg		11:16.07		0.00
TRPA	88.0	89	Pg	11:11:24.92			-0.09
			Sg		11:37.20		-0.06
PSZ	111.5	258	Pg	11:11:29.38			0.18
			Sg		11:43.54		-1.18
KOLS	112.8	37	Sg	11:11:44.33			-0.82

31.

2023-01-13 time: 12:01:42.28 UTC ML= 1.8
 lat: 47.963N lon: 16.637E h= 0.0 km
 erh= 3.6km erz= ***km
 nr= 10 gap=144 rms=0.86
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SOP	31.6	191	Sg	12:01:52.36			0.03
RONA	38.8	221	Pg	12:01:50.20			1.00
			Sg		01:54.29		-0.32
CONA	58.0	266	Pg	12:01:53.12			0.48
			Sg		02:00.85		0.13
MODS	66.0	46	Pg	12:01:54.68			0.62
			Sg		02:03.08		-0.18
ARSA	115.3	227	Sg	12:02:16.91			-2.00
KRUC	123.5	352	Pg	12:02:03.92			-0.41
			Sg		02:19.26		-2.27

32.

2023-01-14 time: 9:04:16.25 UTC ML= 3.2
 lat: 45.886N lon: 16.032E h= 6.2 km
 erh= 1.1km erz= 0.8km
 nr= 83 gap= 61 rms=0.71
 Locality: Croatia
 Comments:

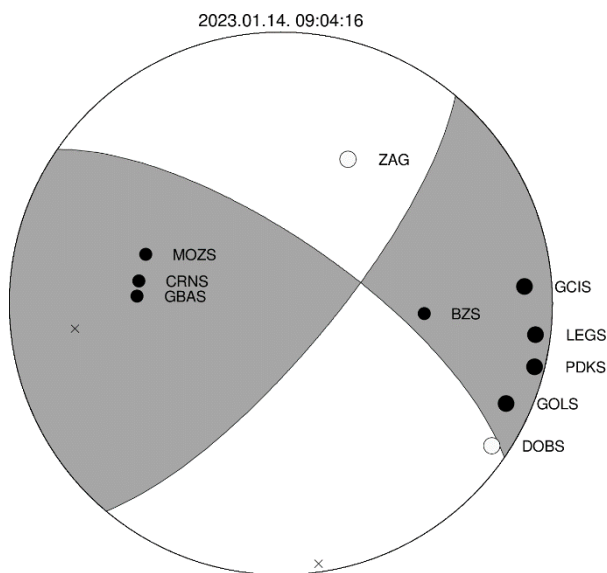
sta	dist	azm	phase	hr	mn	sec	res
PTJ	6.0	285	Pg	9:04:17.98			0.20
			Sg		04:19.33		0.35
ZAG	7.0	205	PgD	9:04:18.55			0.64
			Sg		04:20.40		1.20
GCIS	31.5	266	iPgC	9:04:22.37			0.39
			iSg		04:26.59		0.14
GOLS	34.6	294	iPgC	9:04:22.91			0.40

Földrengés paraméterek

		eSg	04:27.58	0.18	
CRES	45.2	262	Pg	9:04:24.52	0.13
		Sg	04:30.72	-0.02	
CESS	45.2	282	ePg	9:04:24.70	0.30
		eSg	04:30.76	0.01	
RCF6	50.1	354	Pg	9:04:25.57	0.31
		Sg	04:31.88	-0.40	
DOBS	52.6	304	iPgD	9:04:26.02	0.32
		eSg	04:32.59	-0.48	
LEGS	55.9	277	iPgC	9:04:26.54	0.25
		eSg	04:33.54	-0.58	
KOGS	64.8	15	Pg	9:04:27.96	0.10
		Sg	04:37.23	0.31	
BOJS	74.1	235	iPg	9:04:28.95	-0.58
		eSg	04:38.29	-1.60	
GROS	76.0	327	Pg	9:04:29.75	-0.10
		Sg	04:39.48	-0.99	
PKS	82.5	284	iPgC	9:04:30.96	-0.06
R93E	85.9	129	Pg	9:04:31.56	-0.06
BEHE	86.7	41	Pg	9:04:31.91	0.15
		Sg	04:44.75	0.88	
VISS	93.1	264	iPg	9:04:32.41	-0.50
ZAVS	98.9	308	eSg	9:04:45.24	-2.50
GBRS	103.0	248	iPg	9:04:34.04	-0.64
		eSg	04:48.77	-0.28	
VNDS	105.9	283	iPg	9:04:34.60	-0.59
PERS	109.3	320	Pg	9:04:34.90	-0.89
		Sg	04:48.68	-2.35	
SOKA	117.0	319	Pn	9:04:36.06	-1.02
		Sn	04:50.63	-2.71	
GBAS	123.5	273	iPnC	9:04:37.25	-0.64
		eSn	04:52.83	-1.95	
MOZS	131.0	290	iPnC	9:04:38.77	-0.06
OBKA	133.9	301	Pn	9:04:39.14	-0.04
		Sn	04:55.75	-1.32	
KNDS	134.6	253	iPn	9:04:39.29	0.01
		Sn	04:57.55	0.30	
CRNS	138.9	279	iPnC	9:04:39.80	-0.02
JAVS	152.8	270	iPn	9:04:41.85	0.31
		Sn	05:00.72	-0.55	
BLY	155.3	144	Pn	9:04:41.11	-0.75
		Sn	05:01.20	-0.63	
ARSA	156.7	346	Pn	9:04:42.27	0.24
		Sn	05:01.52	-0.62	
ROB8	161.4	268	Pn	9:04:43.06	0.45
		Sn	05:04.25	1.07	
SKDS	161.6	257	iPn	9:04:42.63	-0.01
		eSn	05:04.03	0.80	
GORS	164.3	287	iPn	9:04:42.97	-0.01
		iSn	05:04.64	0.80	
VOJS	167.1	276	ePn	9:04:43.44	0.12
		eSn	05:06.08	1.64	
PKSV	172.3	90	Pn	9:04:42.32	-1.66
TRI	177.4	264	Pn	9:04:45.21	0.59
		Sn	05:08.67	1.92	
CADS	181.7	282	ePn	9:04:44.80	-0.35
		eSn	05:10.08	2.39	
TIH	182.2	52	Pn	9:04:46.39	1.18
MPLH	183.7	39	Pn	9:04:45.74	0.34
PKS9	190.0	66	Pn	9:04:47.07	0.89
		Sn	05:13.40	3.86*	
ROBS	199.3	282	iPn	9:04:47.51	0.17
		eSn	05:13.92	2.33	
MYKA	202.1	294	Pn	9:04:48.09	0.40
		Sn	05:13.70	1.49	
RONA	202.7	6	Pn	9:04:48.42	0.66
SOP	203.8	11	Pn	9:04:48.84	0.93
PKSM	205.2	80	Pn	9:04:46.42	-1.65
MORH	205.4	80	Pn	9:04:46.58	-1.53
PKB1	234.8	65	Pn	9:04:53.05	1.28
KBA	245.3	303	Pn	9:04:54.42	1.34
PKSG	246.3	47	Pn	9:04:54.78	1.58
WINA	247.0	1	Pn	9:04:53.98	0.69
		Sn	05:26.20	4.01*	
MOA	256.5	328	Pn	9:04:55.56	1.08

Hypocenter Parameters

		Sn	05:23.91	-0.39	
ABTA	287.6	289	Pn	9:04:59.18	0.83
		Sn	05:31.59	0.40	
LESA	308.6	304	Pn	9:05:01.40	0.43*
		Sn	05:34.74	-1.12*	
ABNA	312.9	352	Pn	9:05:02.17	0.66*
		Sn	05:35.63	-1.18*	
WTTA	370.2	294	Pn	9:05:10.04	1.39*
		Sn	05:52.66	3.13*	
WATA	377.5	295	Pn	9:05:11.25	1.68*
TREC	381.3	354	ePn	9:05:10.00	-0.03*
SQTA	398.6	292	Pn	9:05:14.37	2.18*
		Sn	05:59.16	3.33*	
KHC	405.4	333	ePn	9:05:13.70	0.65*
MOTA	410.9	293	Pn	9:05:14.99	1.26*
		Sn	06:02.46	3.89*	
ZVC	418.5	341	ePn	9:05:15.30	0.62*
		eSn	05:56.30	-3.96*	
FETA	426.6	287	Pn	9:05:17.32	1.64*
		Sn	06:03.27	1.23*	
BZS	435.6	94	PnC	9:05:15.82	-0.98*
RETA	440.7	294	Pn	9:05:17.49	0.04*
		Sn	06:04.69	-0.49*	
MORC	447.2	15	Pn	9:05:18.45	0.20*
PRU	469.6	346	ePn	9:05:21.50	0.46*
		eSn	06:31.00	19.41*	
DAVA	496.6	288	Pn	9:05:25.40	0.99*
		Sn	06:31.07	13.49*	
KOLS	580.2	54	ePn	9:05:36.00	1.16*



33.

2023-01-14 time: 14:45:19.98 UTC ML= 2.2
 lat: 45.918N lon: 16.004E h= 8.5 km
 erh= 1.7km erz= 1.3km
 nr= 26 gap=100 rms=0.63
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.1	240	Pg	14:45:21.37			-0.29
			Sg	45:22.47			-0.51
ZAG	10.0	184	Pg	14:45:21.91			-0.41
			Sg	45:23.83			-0.31
GCIS	29.8	259	iPg	14:45:25.67			0.16
GOLS	31.1	289	iPg	14:45:26.40			0.65
CRES	43.7	256	Pg	14:45:28.16			0.23
			Sg	45:34.24			0.11
RCF6	46.2	356	Pg	14:45:29.00			0.62
			Sg	45:35.32			0.40

Hypocenter Parameters

KOGS	61.9	18	Pg	14:45:31.41	0.28
			Sg	45:39.34	-0.49
GROS	71.7	327	Pg	14:45:32.89	0.02
			Sg	45:42.29	-0.64
PKDS	79.5	281	iPg	14:45:34.26	-0.01
BEHE	85.5	44	Pg	14:45:36.19	0.87
			Sg	45:46.41	-0.88
PERS	105.0	319	Pg	14:45:38.60	-0.20
			Sg	45:51.89	-1.59
SOKA	112.8	318	Pn	14:45:39.53	-0.47
			Sn	45:54.23	-1.38
OBKA	130.1	300	Pn	14:45:42.93	0.78
			Sn	45:58.76	-0.68
ARSA	152.6	346	Pn	14:45:47.72	2.76
			Sn	46:04.76	0.32
BLY	159.5	145	Sn	14:46:05.88	-0.11
MORH	206.9	81	Sn	14:46:21.70	5.20*

34.

2023-01-15 time: 2:17:03.45 UTC ML= 2.0
 lat: 48.837N lon: 22.253E h= 6.1 km
 erh= 2.8km erz= 2.5km
 nr= 10 gap=114 rms=0.66
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	10.8	8	PgU	2:17:05.44	-0.24
			Sg	17:07.24	-0.17
TRPA	81.3	165	Pg	2:17:18.71	0.69
			Sg	17:29.74	0.36
ABAH	96.0	231	PgU	2:17:20.51	-0.11
			Sg	17:32.84	-1.17
NIE	155.7	295	Sn	2:17:50.80	1.66
BMR	159.0	144	Pn	2:17:29.70	0.17
			Sn	17:48.98	-0.90
RAKU	167.7	122	Sn	2:17:51.03	-0.77
DRGR	229.9	171	Sn	2:18:11.27	5.65*

35.

2023-01-15 time: 4:43:29.70 UTC ML= 2.0
 lat: 45.988N lon: 22.100E h= 8.1 km
 erh= 2.9km erz= 2.5km
 nr= 18 gap=159 rms=0.91
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	55.8	222	Pg	4:43:39.77	0.00
			Sg	43:46.59	-1.04
GZR	84.5	141	Pg	4:43:45.49	0.63
			Sg	43:55.73	-0.96
BANR	100.9	228	Pg	4:43:48.32	0.55
			Sg	44:00.78	-1.09
DRGR	100.9	28	Pg	4:43:48.18	0.40
			Sg	43:59.73	-2.15
MARR	109.5	46	PgD	4:43:49.64	0.33
			Sg	44:02.60	-2.01
HERR	125.5	169	PnC	4:43:51.87	0.52
			Sn	44:06.80	-1.44
MDVR	137.5	193	PnC	4:43:53.71	0.87
			Sn	44:09.90	-1.00
CJR	140.7	55	Sn	4:44:11.58	-0.03
LOT	143.2	115	PnD	4:43:54.89	1.34
			Sn	44:12.60	0.44
MESR	144.6	27	Sn	4:44:13.50	1.02

Földrengés paraméterek

36.

2023-01-15 time: 8:58:39.85 UTC ML= 1.4
 lat: 48.518N lon: 17.265E h= 0.0 km
 erh= 2.2km erz= 744km
 nr= 8 gap=139 rms=0.53
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	12.1	92	Pg	8:58:41.88	-0.12
			Sg	58:43.25	-0.44
MODS	16.1	177	Pg	8:58:43.06	0.34
			Sg	58:45.48	0.52
KRUC	88.0	313	Pg	8:58:56.24	0.68
			Sg	59:07.20	-0.62
RONA	116.1	218	Sg	8:59:15.81	-0.95
CONA	123.2	238	Sg	8:59:18.47	-0.54

37.

2023-01-16 time: 1:20:57.31 UTC ML= 0.6
 lat: 45.821N lon: 18.803E h= 0.8 km
 erh= 1.7km erz=91.9km
 nr= 7 gap=256 rms=0.06
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	43.4	280	Pg	1:21:05.12	0.05
			Sg	21:11.01	-0.11
PKSM	45.2	344	Pg	1:21:05.42	0.04
			Sg	21:11.77	0.10
MORH	45.5	344	Pg	1:21:05.40	-0.05
			Sg	21:11.77	-0.02
PKB3	73.5	24	Sg	1:21:20.61	-0.07

38.

2023-01-16 time: 3:05:08.10 UTC ML= 1.8
 lat: 45.865N lon: 18.772E h= 11.2 km
 erh= 2.7km erz= 1.9km
 nr= 19 gap=128 rms=0.67
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	39.8	345	Pg	3:05:15.26	-0.23
			Sg	05:21.59	0.34
MORH	40.2	346	Pg	3:05:15.26	-0.29
			Sg	05:21.69	0.32
PKSV	40.4	274	Pg	3:05:15.36	-0.23
PKS2	77.6	26	Pg	3:05:22.68	0.59
			Sg	05:33.93	0.92
PKS9	88.8	335	Pg	3:05:24.59	0.51
			Sg	05:35.48	-1.07
PKS6	102.0	37	P*	3:05:25.65	-0.66
			S*	05:39.13	-1.39
PKB1	102.2	1	P*	3:05:26.20	-0.14
			S*	05:39.91	-0.65
TIH	133.4	330	Sn	3:05:49.50	1.83
BEHE	168.2	294	Pn	3:05:35.30	0.63
			Sn	05:55.59	0.20
PKSG	172.2	350	Sn	3:06:00.81	4.53*
BLY	175.8	225	Pn	3:05:35.60	-0.01
			Sn	05:56.08	-0.99
BZS	223.1	97	Sn	3:06:09.12	1.54

Földrengés paraméterek

Hypocenter Parameters

39.

 2023-01-16 time: 8:37:29.24 UTC ML= 1.2
 lat: 47.300N lon: 18.240E h= 13.6 km
 erh= 3.9km erz= 2.8km
 nr= 9 gap=117 rms=0.56
 Locality: Fehérvárcturgó
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.2	13	PgD	8:37:31.89	-0.10
			Sg	37:33.26	-0.87
PKSG	15.3	48	PgU	8:37:33.41	0.51
			Sg	37:36.07	0.32
PKST	16.2	254	PgD	8:37:32.84	-0.18
			Sg	37:35.19	-0.77
MPLH	54.9	255	Pg	8:37:40.20	0.85
SRO	57.4	6	Sg	8:37:47.89	-0.09
MORH	124.4	166	Sn	8:38:05.41	-0.87

40.

 2023-01-16 time: 12:22:33.30 UTC ML= 1.2
 lat: 47.878N lon: 16.072E h= 0.0 km
 erh= 2.8km erz= 4.9km
 nr= 7 gap=129 rms=0.59
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.7	289	Pg	12:22:36.60	0.32
			Sg	22:38.84	0.23
RONA	26.0	140	PgU	12:22:38.13	0.18
			Sg	22:41.80	0.22
ARSA	81.1	211	Sg	12:22:58.18	-0.90
KRUC	133.8	10	Pn	12:22:57.16	0.14
			Sn	23:13.15	-2.36

41.

 2023-01-16 time: 12:31:17.25 UTC ML= 1.3
 lat: 47.860N lon: 16.055E h= 0.0 km
 erh= 1.3km erz= 3.0km
 nr= 8 gap= 87 rms=0.41
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.3	298	Pg	12:31:20.51	0.35
			Sg	31:22.31	-0.12
RONA	25.4	135	Pg	12:31:22.00	0.21
			Sg	31:24.96	-0.37
ARSA	78.7	211	Sg	12:31:42.04	-0.24
MODS	107.4	58	Sg	12:31:51.79	0.39
KRUC	136.0	11	Pn	12:31:40.95	-0.29
			Sn	31:57.01	-2.93

42.

 2023-01-16 time: 13:14:57.47 UTC ML= 1.9
 lat: 47.064N lon: 19.370E h= 0.0 km
 erh= 2.9km erz= 578km
 nr= 9 gap=188 rms=0.45
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.0	263	PgU	13:15:00.49	0.16
			Sg	15:02.53	-0.03
PKB1	53.9	235	Pg	13:15:07.46	0.36
PENC	81.1	355	Pg	13:15:12.39	0.44
PSZ	102.9	23	Pg	13:15:15.13	-0.72
MORH	109.4	211	Pg	13:15:17.32	0.30
			Sg	15:30.78	-1.48

PKSM 109.9 211 Pg 13:15:17.08 -0.03
 Sg 15:31.87 -0.55

43.

 2023-01-16 time: 19:58:30.09 UTC ML= 2.2
 lat: 46.113N lon: 17.003E h= 8.2 km
 erh= 2.9km erz= 2.5km
 nr= 34 gap= 79 rms=1.23
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	43.4	336	Pg	19:58:38.35	0.39
			Sg	58:44.64	0.53
KOGS	68.9	303	Pg	19:58:43.66	1.18
			Sg	58:51.32	-0.83
RCF6	84.1	287	Pg	19:58:45.86	0.68
			Sg	58:56.82	-0.14
PTJ	84.4	254	Pg	19:58:45.28	0.06
			Sg	58:55.26	-1.77
PKSV	99.9	104	Pg	19:58:47.67	-0.32
			Sg	59:00.54	-1.42
TIH	110.9	38	Pn	19:58:48.85	-1.05
			Sn	59:03.48	-1.88
PKS9	111.4	62	Pn	19:58:48.75	-1.21
			Sn	59:03.77	-1.70
GROS	122.0	288	Pn	19:58:51.59	0.31
			Sn	59:06.07	-1.74
CRES	124.0	255	Pn	19:58:51.98	0.44
			Sn	59:06.93	-1.34
MPLH	124.4	19	Sn	19:59:06.76	-1.60
PKSM	127.0	85	Pn	19:58:50.83	-1.08
			Sn	59:08.81	-0.12
MORH	127.3	85	Pn	19:58:50.78	-1.16
			Sn	59:08.67	-0.31
EGYH	147.1	10	Pn	19:58:56.84	2.43
PKST	149.8	32	Sn	19:59:13.22	-0.77
BLY	152.3	175	Sn	19:59:16.06	1.51
PERS	156.3	292	Pn	19:58:56.43	0.87
PKB1	156.4	62	Pn	19:58:57.31	1.74
			Sn	59:15.81	0.36
SOKA	164.0	292	Pn	19:58:58.19	1.67
CSKK	168.9	35	Sn	19:59:20.66	2.43
ARSA	169.7	318	Sn	19:59:18.16	-0.24
PKB3	172.4	78	Sn	19:59:21.88	2.87
PKS2	175.4	76	Sn	19:59:23.15	3.48
PKS6	204.4	75	Sn	19:59:31.67	5.56*

44.

 2023-01-16 time: 22:40:19.21 UTC ML= 0.2
 lat: 47.778N lon: 16.449E h= 0.9 km
 erh= 0.5km erz= 7.6km
 nr= 5 gap=211 rms=0.02
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	13.3	142	Pg	22:40:21.58	-0.01
			Sg	40:23.46	0.02
RONA	14.4	233	PgD	22:40:21.80	0.02
CONA	47.1	291	Sg	40:23.75	-0.04
			Sg	22:40:34.16	-0.01

45.

 2023-01-17 time: 8:04:42.55 UTC ML= 1.6
 lat: 47.329N lon: 18.452E h= 0.0 km
 erh= 1.3km erz=13.7km
 nr= 10 gap=114 rms=0.39
 Locality: Zámoly
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKSG	8.4	326	Pg	8:04:44.12	0.07
			Sg	04:44.84	-0.37
CSKK	15.0	285	Pg	8:04:45.59	0.37
			Sg	04:46.94	-0.37
PKST	32.5	256	Pg	8:04:48.85	0.48
			Sg	04:52.49	-0.41
MORH	124.6	173	Sg	8:05:21.68	-0.49
PKSM	125.1	173	Sg	8:05:22.00	-0.31
PSZ	126.7	59	Sg	8:05:22.94	0.12
MODS	145.6	323	Sn	8:05:23.95	-3.45*

46.

2023-01-17 time: 8:52:02.95 UTC ML= 1.7
 lat: 48.526N lon: 17.465E h= 0.0 km
 erh= 3.4km erz= 419km
 nr= 7 gap=272 rms=0.28
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.0	243	PgU	8:52:03.49	0.00
			Sg	52:04.20	0.29
MODS	21.9	219	Pg	8:52:06.90	0.03
			Sg	52:09.68	-0.24
KRUC	98.6	307	Pg	8:52:20.67	0.10
			Sg	52:32.52	-1.79
RONA	126.5	223	Pg	8:52:25.56	0.01

47.

2023-01-17 time: 9:22:24.49 UTC ML= 1.8
 lat: 46.300N lon: 22.023E h= 0.0 km
 erh= 6.3km erz= ***km
 nr= 8 gap=190 rms=1.07
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	75.9	44	Pg	9:22:39.33	1.28
			Sg	22:47.94	-0.68
BZS	82.3	203	Pg	9:22:39.80	0.62
			Sg	22:49.35	-1.29
GZR	116.6	150	Pg	9:22:46.22	0.91
			Sg	23:00.15	-1.40
BANR	123.2	214	Sg	9:23:02.81	-0.82
CJR	129.3	69	Sg	9:23:04.06	-1.53

48.

2023-01-18 time: 9:21:14.56 UTC ML= 1.8
 lat: 46.891N lon: 17.382E h= 0.0 km
 erh= 3.6km erz= ***km
 nr= 11 gap=156 rms=0.93
 Locality: Lesenceistvánd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	33.3	21	Pg	9:21:20.19	-0.31
TIH	38.9	88	Sg	9:21:27.70	0.77
PKST	64.2	50	Pg	9:21:26.53	0.50
			Sg	21:34.82	-0.16
BEHE	65.9	225	Sg	9:21:34.35	-1.16
PKSG	94.6	54	Sg	9:21:43.43	-1.20
KOVH	104.8	148	Pg	9:21:35.21	1.93
			Sg	21:47.34	-0.54
MORH	122.4	128	Pg	9:21:36.70	0.28
			Sg	21:52.59	-0.89
PKSM	122.5	128	Sg	9:21:52.35	-1.16

49.

2023-01-19 time: 9:50:23.31 UTC ML= 1.4
 lat: 48.527N lon: 20.830E h= 0.0 km
 erh= 2.3km erz= 5.7km
 nr= 6 gap=130 rms=0.57
 Locality: Becskeháza
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	39.7	130	Pg	9:50:30.53	0.13
			Sg	50:36.33	0.41
PSZ	97.0	226	Pg	9:50:41.05	0.41
			Sg	50:53.31	-0.84
NIE	106.2	339	Pg	9:50:42.27	-0.01
TRPA	134.1	109	Sn	9:51:03.40	-2.20

50.

2023-01-19 time: 13:01:13.20 UTC ML= 1.5
 lat: 46.113N lon: 18.033E h= 0.0 km
 erh= 2.9km erz= 707km
 nr= 11 gap=196 rms=0.57
 Locality: Bükkösd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.8	118	PgU	13:01:14.73	0.49
			Sg	01:15.63	0.57
PKSV	30.2	146	Sg	13:01:21.69	-1.11
PKSM	48.2	77	Pg	13:01:21.95	0.14
			Sg	01:28.25	-0.28
MORH	48.5	76	Pg	13:01:21.83	-0.04
			Sg	01:27.88	-0.75
PKS9	55.9	20	Pg	13:01:23.87	0.68
			Sg	01:30.30	-0.68
MPLH	123.4	342	Pg	13:01:35.25	0.01
			Sg	01:49.89	-2.54

51.

2023-01-20 time: 8:23:27.92 UTC ML= 1.8
 lat: 48.574N lon: 20.768E h= 0.0 km
 erh= 3.2km erz= 5.7km
 nr= 10 gap= 90 rms=0.87
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.6	132	Pg	8:23:36.15	-0.10
			Sg	23:42.69	-0.06
PSZ	97.6	222	Pg	8:23:45.88	0.53
			Sg	23:58.33	-0.61
NIE	99.6	340	Pg	8:23:47.10	1.39
LANS	114.9	304	Pg	8:23:47.72	-0.72
KOLS	117.7	70	Pg	8:23:49.67	0.74
			Sg	24:03.86	-1.46
TRPA	140.3	111	Pn	8:23:52.35	-0.09
			Sn	24:09.29	-2.28

52.

2023-01-20 time: 10:03:21.39 UTC ML= 1.3
 lat: 47.908N lon: 16.112E h= 0.0 km
 erh= 2.0km erz= 525km
 nr= 6 gap=140 rms=0.33
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.8	277	Pg	10:03:25.04	0.28
			Sg	03:27.06	-0.32
RONA	27.0	149	PgU	10:03:26.44	0.23
			Sg	03:30.02	0.06

Földrengés paraméterek

Hypocenter Parameters

ARSA 85.5 211 Sg 10:03:47.66 -0.90
 KRUC 130.0 9 Pg 10:03:44.50 -0.11

KOVH 138.8 182 Sn 15:17:51.15 0.57
 SMOL 141.8 337 Sn 15:17:50.83 -0.42

53.

2023-01-21 time: 1:04:57.08 UTC ML= 2.3
 lat: 45.915N lon: 16.736E h= 14.3 km
 erh= 1.5km erz= 1.3km
 nr= 35 gap= 92 rms=0.71
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	58.4	261	Pg	1:05:07.82		0.00	
			Sg	05:15.96		-0.23	
R93E	58.8	169	Pg	1:05:08.73		0.85	
			Sg	05:17.24		0.93	
PTJ	60.4	268	Pg	1:05:07.59		-0.57	
			Sg	05:16.32		-0.49	
BEHE	61.8	3	Pg	1:05:08.28		-0.14	
			Sg	05:17.52		0.26	
KOGS	70.2	328	Pg	1:05:09.23		-0.64	
			Sg	05:20.31		0.46	
RCF6	75.9	308	Pg	1:05:10.65		-0.23	
			Sg	05:21.59		-0.05	
CRES	99.8	264	P*	1:05:14.89		0.22	
			S*	05:27.56		-0.83	
KOVH	107.4	80	Pn	1:05:15.16		-0.52	
			Sn	05:28.67		-1.51	
GROS	113.0	303	Pn	1:05:16.57		0.20	
			Sn	05:31.03		-0.39	
PKSV	117.7	91	Pn	1:05:16.46		-0.50	
			Sn	05:31.33		-1.14	
PKS9	140.5	58	Sn	1:05:37.50		-0.03	
PERS	148.3	303	Pn	1:05:22.92		2.14	
			Sn	05:39.47		0.21	
PKSM	151.1	77	Pn	1:05:20.66		-0.47	
			Sn	05:41.49		1.61	
MORH	151.4	77	Pn	1:05:20.57		-0.60	
			Sn	05:41.49		1.54	
SOKA	156.3	303	Sn	1:05:41.74		0.71	
ARSA	175.2	328	Sn	1:05:44.87		-0.36	
PKST	179.6	34	Pn	1:05:25.32		0.64	
OBKA	181.2	291	Pn	1:05:25.55		0.67	
			Sn	05:46.44		-0.13	
PKB3	198.2	73	Pn	1:05:27.56		0.56	
PKSG	207.4	38	Sn	1:05:58.81		6.43*	
MOA	285.9	319	Pn	1:05:38.23		0.30	
			Sn	06:07.36		-2.43*	

54.

2023-01-22 time: 15:17:09.58 UTC ML= 1.5
 lat: 47.336N lon: 18.155E h= 10.2 km
 erh= 1.5km erz= 0.9km
 nr= 17 gap= 93 rms=0.45
 Locality: Nagyveleg
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	8.5	69	PgD	15:17:11.91		-0.04	
			Sg	17:13.69		-0.11	
PKST	12.5	227	PgD	15:17:12.17		-0.29	
			Sg	17:14.28		-0.43	
PKSG	18.9	71	PgD	15:17:13.36		-0.05	
			Sg	17:16.13		-0.26	
MPLH	50.1	248	Pg	15:17:19.40		0.69	
			Sg	17:25.32		-0.51	
TIH	52.4	202	Pg	15:17:19.67		0.56	
			Sg	17:25.91		-0.64	
MORH	130.0	163	Pn	15:17:32.04		0.52	
			Sn	17:48.04		-0.60	
PKSM	130.4	163	Pn	15:17:32.00		0.43	
			Sn	17:48.04		-0.68	
MODS	132.8	330	Sn	15:17:48.83		-0.42	

55.

2023-01-23 time: 0:23:11.02 UTC ML= 1.1
 lat: 47.817N lon: 18.767E h= 16.6 km
 erh= 1.5km erz= 1.2km
 nr= 12 gap=173 rms=0.33
 Locality: Esztergom
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SRO	34.0	269	Pg	0:23:17.69		-0.09	
			Sg	23:22.60		-0.45	
PENC	38.6	94	Pg	0:23:18.88		0.35	
			Sg	23:24.09		-0.30	
PBUD	43.2	155	Sg	0:23:25.12		-0.60	
PKSG	55.1	211	Pg	0:23:21.60		0.30	
			Sg	23:29.09		-0.22	
CSKK	63.2	217	Pg	0:23:23.11		0.42	
			Sg	23:31.68		-0.12	
PKST	83.0	222	P*	0:23:26.00		0.16	
			S*	23:37.27		-0.13	
PSZ	85.1	82	S*	0:23:37.39		-0.57	

56.

2023-01-23 time: 8:01:29.67 UTC ML= 1.4
 lat: 47.956N lon: 16.056E h= 0.0 km
 erh= 2.8km erz= 966km
 nr= 8 gap=113 rms=0.69
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	14.8	258	Pg	8:01:32.77		0.45	
			Sg	01:34.82		0.44	
RONA	33.7	148	Pg	8:01:36.32		0.64	
			Sg	01:40.02		-0.36	
ARSA	88.1	207	Sg	8:01:55.94		-1.72	
MODS	102.0	63	Sg	8:02:02.40		0.30	
KRUC	125.5	12	Pg	8:01:51.84		-0.24	
			Sg	02:08.39		-1.17	

57.

2023-01-23 time: 9:50:54.39 UTC ML= 1.5
 lat: 47.193N lon: 18.301E h= 0.0 km
 erh= 1.3km erz= 2.3km
 nr= 11 gap=110 rms=0.42
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.2	351	Pg	9:50:58.06		0.25	
			Sg	50:59.86		-0.63	
PKST	21.5	290	Pg	9:50:58.50		0.27	
			Sg	51:00.64		-0.58	
PKSG	23.1	17	Pg	9:50:59.08		0.56	
			Sg	51:01.78		0.04	
MORH	111.7	166	Sg	9:51:29.84		-0.06	
PKSM	112.1	167	Sg	9:51:30.46		0.43	
KOVH	123.7	187	Sg	9:51:33.59		-0.13	
PSZ	144.5	56	Pn	9:51:18.88		-0.56	
			Sn	51:38.45		-0.54	

Hypocenter Parameters

Földrengés paraméterek

58.

2023-01-23 time: 13:21:30.69 UTC ML= 1.0
 lat: 47.527N lon: 18.470E h= 0.0 km
 erh= 5.2km erz= 3.8km
 nr= 9 gap=294 rms=0.89
 Locality: Szárliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	16.2	202	Pg	13:21:34.25	0.67
			Sg	21:36.44	0.61
CSKK	24.1	221	Pg	13:21:35.23	0.23
			Sg	21:38.90	0.55
PKST	44.4	228	Pg	13:21:38.90	0.28
			Sg	21:44.85	0.05
MPLH	80.7	241	Sg	13:21:53.85	-2.50
MORH	146.3	175	Sn	13:22:14.12	-1.57
PKSM	146.8	175	Sn	13:22:14.28	-1.51

59.

2023-01-24 time: 9:26:31.22 UTC ML= 1.7
 lat: 48.443N lon: 19.511E h= 0.0 km
 erh= 5.4km erz= 977km
 nr= 6 gap=164 rms=0.59
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	65.0	154	Pg	9:26:43.20	0.38
			Sg	26:51.57	-0.30
PENC	74.6	193	Pg	9:26:44.84	0.31
			Sg	26:54.23	-0.69
LANS	78.7	358	Sg	9:26:56.73	0.50
NIE	123.4	28	Sg	9:27:08.94	-1.49

60.

2023-01-24 time: 10:05:03.00 UTC ML= 0.4
 lat: 47.183N lon: 18.318E h= 0.0 km
 erh= 1.1km erz= 323km
 nr= 7 gap=154 rms=0.22
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.4	348	Sg	10:05:09.25	-0.25
PKST	23.0	291	Pg	10:05:07.23	0.11
			Sg	05:10.07	-0.26
PKSG	23.8	13	Pg	10:05:07.42	0.16
			Sg	05:10.54	-0.03
MORH	110.4	167	Sg	10:05:37.74	-0.36
PKSM	110.8	167	Sg	10:05:38.56	0.33

61.

2023-01-24 time: 13:28:03.49 UTC ML= 1.5
 lat: 48.416N lon: 22.740E h= 0.0 km
 erh= 7.5km erz= ***km
 nr= 6 gap=177 rms=1.05
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TRPA	35.1	205	Pg	13:28:10.81	1.04
			Sg	28:14.88	0.22
KOLS	67.0	329	Pg	13:28:16.06	0.61
			Sg	28:24.43	-0.35
BMR	100.1	146	Sg	13:28:33.82	-1.49
ABAH	112.0	263	Sg	13:28:37.11	-1.99

62.

2023-01-25 time: 8:38:43.20 UTC ML= 1.5
 lat: 46.793N lon: 17.248E h= 0.0 km
 erh= 3.0km erz= 7.1km
 nr= 11 gap=103 rms=1.03
 Locality: Cserszegtomaj
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	47.4	28	Pg	8:38:52.31	0.63
			Sg	38:57.29	-0.99
PKST	79.1	49	Pg	8:38:58.49	1.16
			Sg	39:07.48	-0.87
KOGS	85.5	243	Sg	8:39:10.90	0.52
KOVH	102.1	140	Sg	8:39:15.88	0.22
PKSG	109.4	53	Pg	8:39:03.78	1.05
			Sg	39:16.46	-1.51
MORH	124.9	121	Sg	8:39:21.61	-1.30
PKSM	125.0	121	Sg	8:39:22.23	-0.70
ARSA	140.6	291	Sn	8:39:24.98	-1.96

63.

2023-01-25 time: 8:42:08.87 UTC ML= 1.1
 lat: 47.987N lon: 16.699E h= 0.0 km
 erh= 6.8km erz= ***km
 nr= 5 gap=208 rms=0.54
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	35.4	197	Sg	8:42:19.68	-0.44
RONA	44.0	223	Pg	8:42:17.48	0.76
			Sg	42:22.28	-0.56
CONA	62.9	264	Sg	8:42:28.74	-0.13
KRUC	121.6	349	Sg	8:42:47.19	-0.33

64.

2023-01-25 time: 12:08:37.73 UTC ML= 1.2
 lat: 47.912N lon: 16.104E h= 0.0 km
 erh= 2.9km erz= 774km
 nr= 6 gap=139 rms=0.45
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.2	276	Pg	12:08:40.88	-0.10
			Sg	08:43.44	-0.07
RONA	27.6	149	Pg	12:08:42.97	0.31
			Sg	08:45.78	-0.73
KRUC	129.7	10	Pg	12:09:01.45	0.56
			Sg	09:18.17	-0.79

65.

2023-01-26 time: 2:39:27.71 UTC ML= 0.4
 lat: 47.663N lon: 16.147E h= 12.7 km
 erh= 2.3km erz= 1.1km
 nr= 7 gap=238 rms=0.19
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	12.0	70	Pg	2:39:30.71	-0.11
			Sg	39:33.01	-0.24
SOP	31.0	86	Pg	2:39:33.70	0.01
			Sg	39:38.92	0.57
CONA	36.5	324	Sg	2:39:40.07	0.09
WINA	49.7	354	Sg	2:39:44.13	0.10
KRUC	156.7	7	Sn	2:40:11.97	-0.14

Földrengés paraméterek

Hypocenter Parameters

66.

2023-01-26 time: 10:52:13.74 UTC ML= 0.4
 lat: 47.196N lon: 18.304E h= 0.0 km
 erh= 1.2km erz= 437km
 nr= 9 gap=150 rms=0.34
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.9	350	Sg	10:52:19.14	-0.61
PKST	21.6	289	Pg	10:52:17.81	0.22
			Sg	52:20.36	-0.24
PKSG	22.8	17	Pg	10:52:17.97	0.17
			Sg	52:20.86	-0.12
TIH	45.3	224	Sg	10:52:28.36	0.22
MORH	112.0	167	Sg	10:52:49.59	0.26
PKSM	112.4	167	Sg	10:52:49.55	0.09
KOVH	124.1	187	Sg	10:52:51.97	-1.21

67.

2023-01-27 time: 11:09:38.86 UTC ML= 1.1
 lat: 46.106N lon: 18.075E h= 0.0 km
 erh= 3.6km erz= 547km
 nr= 9 gap=277 rms=0.42
 Locality: Bakonya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	2.8	136	PgU	11:09:39.51	0.16
			Sg	09:40.29	0.55
PKSV	27.8	150	Pg	11:09:44.20	0.37
			Sg	09:47.18	-0.52
PKSM	45.3	75	Pg	11:09:46.79	-0.16
			Sg	09:52.73	-0.53
MORH	45.6	74	Pg	11:09:46.79	-0.22
			Sg	09:52.81	-0.55
PKB3	93.3	68	Sg	11:10:09.48	0.97

68.

2023-01-28 time: 12:57:54.17 UTC ML= 1.4
 lat: 45.518N lon: 17.813E h= 0.0 km
 erh= 4.6km erz= 7.2km
 nr= 10 gap=170 rms=0.50
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	53.5	40	Pg	12:58:04.32	0.59
			Sg	58:11.42	0.24
KOVH	67.2	19	Pg	12:58:06.48	0.31
			Sg	58:15.53	0.00
BLY	98.8	210	Sg	12:58:24.99	-0.57
PKSM	100.4	40	Pg	12:58:11.74	-0.36
			Sg	58:25.64	-0.45
MORH	100.9	40	Pg	12:58:12.13	-0.06
			Sg	58:25.56	-0.68
CRES	186.8	281	Sn	12:58:50.53	2.39

69.

2023-01-30 time: 10:29:22.82 UTC ML= 1.9
 lat: 48.533N lon: 20.783E h= 0.0 km
 erh= 3.9km erz= ***km
 nr= 7 gap=117 rms=0.83
 Locality: Bódvalenke
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	42.8	128	Pg	10:29:31.09	0.62
			Sg	29:36.41	-0.03
PSZ	95.1	224	Pg	10:29:39.76	-0.03

			Sg	29:52.60	-0.43
NIE	104.3	341	Pg	10:29:42.43	0.98
			Sg	29:54.49	-1.49
KOLS	118.3	68	Sg	10:29:58.95	-1.47

70.

2023-01-30 time: 18:55:30.34 UTC ML= 0.7
 lat: 47.276N lon: 18.225E h= 7.1 km
 erh= 1.6km erz= 1.5km
 nr= 9 gap=121 rms=0.18
 Locality: Kincsesbánya
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	10.1	15	PgD	18:55:32.62	0.08
			Sg	55:33.99	-0.27
PKST	14.5	263	PgD	18:55:33.24	0.01
			Sg	55:35.20	-0.28
PKSG	18.0	44	Pg	18:55:33.99	0.19
			Sg	55:36.32	-0.17
TIH	48.8	211	Sg	18:55:46.37	0.37
MORH	122.1	165	Sn	18:56:08.19	-0.16
PKSM	122.5	165	Sn	18:56:08.38	-0.05

71.

2023-01-31 time: 9:01:33.39 UTC ML= 2.3
 lat: 47.320N lon: 18.380E h= 0.0 km
 erh= 2.4km erz= 551km
 nr= 5 gap=165 rms=0.25
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.1	6	Pg	9:01:35.05	0.22
			Sg	01:35.42	-0.53
CSKK	10.2	298	Sg	9:01:36.67	0.02
MORH	124.4	171	Sg	9:02:12.79	-0.13
PKSM	124.8	171	Sg	9:02:13.14	0.09

72.

2023-01-31 time: 10:39:07.73 UTC ML= 2.0
 lat: 47.683N lon: 16.013E h= 8.3 km
 erh= 1.2km erz= 1.1km
 nr= 28 gap= 74 rms=0.56
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	21.4	85	Pg	10:39:11.97	0.15
			Sg	39:14.36	-0.66
CONA	29.5	337	Pg	10:39:13.37	0.17
			Sg	39:17.17	-0.29
SOP	41.0	90	Pg	10:39:15.17	-0.03
			Sg	39:20.68	-0.34
WINA	47.4	5	Pg	10:39:16.47	0.16
			Sg	39:23.24	0.23
ARSA	60.6	217	Pg	10:39:18.38	-0.28
			Sg	39:26.07	-1.11
ZST	99.4	55	Sg	10:39:39.17	-0.27
EGYH	103.6	107	Sg	10:39:38.07	-2.70
ABNA	117.9	339	Pn	10:39:28.08	-0.33
			Sn	39:42.10	-2.44
MODS	121.6	51	Pn	10:39:29.00	0.13
			Sn	39:44.54	-0.82
MPLH	128.6	116	Pn	10:39:30.57	0.83
MOA	132.2	278	Pn	10:39:31.49	1.30
			Sn	39:47.83	0.11
SOKA	134.2	214	Pn	10:39:30.47	0.03
PERS	134.8	210	Pn	10:39:30.81	0.29
			Sn	39:47.87	-0.42
SMOL	140.2	49	Sn	10:39:49.63	0.14
GROS	141.3	196	Pn	10:39:32.24	0.91

Hypocenter Parameters

Sn 39:49.48 -0.26
 KRUC 155.9 10 Pn 10:39:33.54 0.40
 Sn 39:52.24 -0.73
 TIH 166.8 121 Sn 10:39:54.40 -0.99

73.

2023-01-31 time: 12:27:07.94 UTC ML= 1.2
 lat: 47.573N lon: 18.463E h= 0.0 km
 erh= 4.0km erz= 3.2km
 nr= 6 gap=312 rms=0.54
 Locality: Tatabánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	20.8	195	Pg	12:27:11.91	0.25
			Sg	27:15.07	0.50
CSKK	27.9	213	Pg	12:27:13.05	0.13
			Sg	27:17.01	0.21
PKST	47.6	223	Sg	12:27:22.23	-0.84
MORH	151.5	175	Sn	12:27:52.51	-1.57

74.

2023-02-01 time: 9:07:18.02 UTC ML= 1.5
 lat: 46.879N lon: 17.464E h= 0.0 km
 erh= 3.5km erz= 837km
 nr= 13 gap=219 rms=0.70
 Locality: Tapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	32.8	86	Sg	9:07:30.40	1.96
MPLH	32.9	10	Pg	9:07:23.26	-0.64
			Sg	07:27.99	-0.50
PKST	60.5	46	Pg	9:07:29.47	0.64
			Sg	07:37.33	0.06
CSKK	81.0	48	Sg	9:07:43.09	-0.67
PKSG	90.5	51	Pg	9:07:34.45	0.26
			Sg	07:46.20	-0.60
KOVH	100.5	151	Sg	9:07:49.47	-0.49
MORH	116.7	129	Pg	9:07:39.74	0.88
			Sg	07:54.07	-1.04
PKSM	116.8	129	Pg	9:07:39.28	0.40
			Sg	07:54.30	-0.85

75.

2023-02-01 time: 10:19:19.68 UTC ML= 1.8
 lat: 48.635N lon: 20.792E h= 0.0 km
 erh= 2.7km erz= 6.6km
 nr= 7 gap=132 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	50.1	139	Pg	10:19:29.38	0.75
			Sg	19:35.87	0.25
PSZ	103.9	220	Pg	10:19:38.61	0.38
			Sg	19:51.37	-1.32
LANS	112.8	301	Sg	10:19:55.13	-0.40
KOLS	113.8	73	Sg	10:19:56.06	0.21
TRPA	141.1	113	Sn	10:20:00.45	-3.06

76.

2023-02-01 time: 12:46:55.39 UTC ML= 0.9
 lat: 47.864N lon: 16.033E h= 0.0 km
 erh= 1.0km erz= 1.7km
 nr= 6 gap=122 rms=1.05
 Locality: Austria
 Comments: probably explosion

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CONA	14.7	299	Pg	12:46:58.82	0.81
			Sg	47:00.46	0.40
RONA	26.9	133	Pg	12:47:00.58	0.38
			Sg	47:04.30	0.35
ARSA	78.3	209	Sg	12:47:18.89	-1.40
KRUC	135.8	11	Sn	12:47:35.45	-2.61

77.

2023-02-01 time: 12:51:18.61 UTC ML= 1.5
 lat: 47.872N lon: 16.043E h= 0.0 km
 erh= 2.2km erz= 3.8km
 nr= 7 gap=124 rms=0.54
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.9	295	Pg	12:51:21.66	0.38
			Sg	51:23.54	0.18
RONA	27.0	135	Pg	12:51:23.66	0.23
			Sg	51:27.30	0.12
ARSA	79.4	210	Sg	12:51:43.03	-0.81
KRUC	134.9	11	Pn	12:51:42.48	0.02
			Sn	51:58.92	-2.14

78.

2023-02-02 time: 10:45:44.61 UTC ML= 1.0
 lat: 47.188N lon: 18.315E h= 0.0 km
 erh= 1.6km erz= 4.2km
 nr= 10 gap=111 rms=0.44
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.9	348	Pg	10:45:48.29	0.13
			Sg	45:50.52	-0.41
PKST	22.7	290	Pg	10:45:48.64	-0.02
			Sg	45:50.91	-0.90
PKSG	23.4	14	Pg	10:45:49.19	0.41
			Sg	45:51.97	-0.07
MPLH	58.8	268	Pg	10:45:55.61	0.50
MORH	111.0	167	Sg	10:46:20.06	0.17
PKSM	111.4	167	Sg	10:46:19.59	-0.43
PSZ	144.0	56	Sn	10:46:27.81	-1.28

79.

2023-02-02 time: 12:34:29.68 UTC ML= 1.9
 lat: 46.024N lon: 16.674E h= 10.0 km
 erh= 6.4km erz= 5.9km
 nr= 11 gap=170 rms=1.13
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	50.2	9	Sg	12:34:45.39	-0.55
PTJ	57.2	256	Pg	12:34:40.27	0.22
			Sg	34:47.19	-0.95
KOGS	57.3	325	Pg	12:34:40.48	0.41
			Sg	34:45.84	-2.34
RCF6	65.0	302	Pg	12:34:43.56	2.14
CRES	96.9	257	Pg	12:34:47.05	-0.04
			Sg	34:59.55	-1.11
KOVH	110.6	86	Sn	12:35:02.76	-1.71
ARSA	162.3	327	Pn	12:34:56.55	0.88
			Sn	35:15.80	-0.15

Földrengés paraméterek

Hypocenter Parameters

80.

 2023-02-03 time: 8:15:56.58 UTC ML= 2.0
 lat: 46.455N lon: 16.145E h= 1.4 km
 erh= 2.5km erz=25.7km
 nr= 11 gap=116 rms=0.67
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	8.1	95	Pg	8:15:57.86	-0.19
			Sg	15:58.87	-0.33
BEHE	48.5	88	Sg	8:16:11.40	-0.59
PTJ	63.4	193	Pg	8:16:08.20	0.30
			Sg	16:15.84	-0.89
PERS	81.4	284	Pg	8:16:12.15	1.03
			Sg	16:22.29	-0.17
CRES	87.8	217	Pg	8:16:13.21	0.94
			Sg	16:24.09	-0.42
SOKA	88.8	286	Sg	8:16:24.26	-0.56
ARSA	100.4	332	Sg	8:16:27.42	-1.06

81.

 2023-02-03 time: 9:09:56.63 UTC ML= 1.0
 lat: 47.052N lon: 18.061E h= 0.0 km
 erh= 3.0km erz= ***km
 nr= 7 gap=131 rms=0.66
 Locality: Balatonfűzfő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	21.2	217	Sg	9:10:02.25	-1.13
PKST	23.1	355	Pg	9:10:01.27	0.52
			Sg	10:03.77	-0.20
CSKK	37.7	24	Sg	9:10:07.53	-1.09
MPLH	41.7	288	Sg	9:10:10.43	0.54
MORH	103.1	154	Sg	9:10:29.48	0.06
PKSM	103.5	155	Sg	9:10:30.11	0.59

82.

 2023-02-03 time: 9:10:45.34 UTC ML= 1.3
 lat: 47.079N lon: 18.091E h= 0.0 km
 erh= 1.6km erz= 596km
 nr= 12 gap=123 rms=0.50
 Locality: Papkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.5	348	Pg	9:10:48.65	-0.35
			Sg	10:51.72	-0.14
TIH	24.9	217	Pg	9:10:50.19	0.40
			Sg	10:53.50	0.23
CSKK	34.1	22	Pg	9:10:51.99	0.56
			Sg	10:55.40	-0.79
PKSG	41.5	33	Sg	9:10:58.59	0.05
MPLH	43.1	284	Pg	9:10:53.34	0.30
			Sg	10:58.90	-0.14
PKSM	105.1	156	Pg	9:11:04.28	0.17
			Sg	11:16.72	-2.04
KOVH	110.1	180	Sg	9:11:19.23	-1.10

83.

 2023-02-05 time: 3:09:35.15 UTC ML= 1.6
 lat: 47.689N lon: 18.346E h= 13.1 km
 erh= 1.6km erz= 1.3km
 nr= 16 gap=167 rms=0.40
 Locality: Szomód
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	33.2	174	Pg	3:09:41.36	-0.17

			Sg	09:46.94	0.43
CSKK	36.8	190	Pg	3:09:42.11	-0.02
			Sg	09:48.48	0.90
PKST	53.3	206	Sg	3:09:51.92	-0.67
PENC	71.1	81	Sg	3:09:58.17	0.04
EGYH	82.1	248	Pg	3:09:50.16	0.17
			Sg	10:01.38	-0.19
MPLH	83.8	226	Pg	3:09:50.24	-0.06
			Sg	10:01.29	-0.83
PKB1	106.1	161	Pn	3:09:53.94	0.20
PSZ	118.8	78	Sn	3:10:10.70	-0.34
RONA	153.8	270	Pn	3:09:59.79	0.11
			Sn	10:19.13	0.31
MORH	165.4	172	Sn	3:10:22.58	1.20
PKSM	165.8	172	Pn	3:10:00.78	-0.39
			Sn	10:19.06	-2.41*

84.

 2023-02-06 time: 1:01:56.48 UTC ML= 1.1
 lat: 48.054N lon: 21.025E h= 11.7 km
 erh= 2.8km erz= 2.4km
 nr= 7 gap=181 rms=0.40
 Locality: Tiszalúc
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	31.3	31	Pg	1:02:03.06	0.61
			Sg	02:06.45	-0.65
KECS	62.3	320	Pg	1:02:07.86	0.05
			Sg	02:16.14	-0.50
LTVH	99.2	139	S*	1:02:28.04	-0.03
TRPA	113.1	86	Sn	1:02:31.31	-0.13
KOLS	134.4	43	Sn	1:02:36.16	-0.01

85.

 2023-02-06 time: 8:48:09.39 UTC ML= 1.4
 lat: 47.044N lon: 18.051E h= 0.0 km
 erh= 2.3km erz= 787km
 nr= 10 gap=130 rms=0.61
 Locality: Balatonalmádi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	20.0	217	Pg	8:48:13.30	0.33
			Sg	48:15.85	0.09
PKST	23.9	357	Pg	8:48:13.95	0.29
			Sg	48:16.49	-0.51
CSKK	38.9	24	Sg	8:48:21.65	-0.09
MPLH	41.3	290	Pg	8:48:17.15	0.39
			Sg	48:21.49	-1.03
MORH	102.6	154	Pg	8:48:28.38	0.66
			Sg	48:40.54	-1.47
PKSM	103.0	154	Sg	8:48:41.17	-0.94

86.

 2023-02-06 time: 9:28:31.86 UTC ML= 1.2
 lat: 48.404N lon: 21.497E h= 0.0 km
 erh= 6.3km erz= ***km
 nr= 6 gap=127 rms=0.94
 Locality: Nagyhuta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	22.5	238	Pg	9:28:36.97	1.08
			Sg	28:39.09	0.06
KECS	75.3	277	Sg	9:28:54.70	-1.10
KOLS	82.0	44	Pg	9:28:47.11	0.60
			Sg	28:56.81	-1.13
TRPA	83.2	111	Sg	9:28:57.05	-1.25

Hypocenter Parameters

Földrengés paraméterek

87.

2023-02-06 time: 9:56:33.52 UTC ML= 1.2
 lat: 47.972N lon: 16.086E h= 0.0 km
 erh= 1.9km erz= 528km
 nr= 6 gap=142 rms=0.31
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.4	254	Pg	9:56:36.58	-0.04
			Sg	56:39.06	0.02
RONA	34.1	152	Pg	9:56:39.41	-0.19
			Sg	56:44.57	0.22
KRUC	123.4	11	Pg	9:56:55.96	0.41
			Sg	57:11.93	-0.81

88.

2023-02-06 time: 14:24:43.14 UTC ML= 2.0
 lat: 47.062N lon: 19.408E h= 0.0 km
 erh= 1.3km erz= 3.3km
 nr= 12 gap= 97 rms=0.33
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.8	265	Pg	14:24:46.91	0.41
			Sg	24:48.84	-0.28
PKSN	39.5	118	Sg	14:24:55.73	0.05
PKB1	56.1	237	Pg	14:24:53.27	0.11
PENC	81.6	353	Pg	14:24:57.94	0.23
PKS9	101.0	239	Pg	14:25:00.70	-0.48
PSZ	102.1	21	Pg	14:25:00.86	-0.50
			Sg	25:18.00	-0.33
MORH	110.7	212	Pg	14:25:02.99	0.08
			Sg	25:18.00	-0.33
PKSM	111.2	212	Pg	14:25:03.35	0.35
			Sg	25:18.04	-0.45
KOVH	147.5	223	Pn	14:25:08.86	0.30

89.

2023-02-07 time: 10:03:03.29 UTC ML= 2.2
 lat: 48.939N lon: 20.531E h= 0.0 km
 erh= 3.2km erz= 4.2km
 nr= 16 gap=103 rms=1.14
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
NIE	55.7	343	Pg	10:03:13.65	0.42
			Sg	03:19.20	-1.79
LANS	81.3	287	Pg	10:03:18.34	0.54
			Sg	03:27.89	-1.22
ABAH	88.5	144	Pg	10:03:19.75	0.66
			Sg	03:31.49	0.07
PSZ	122.9	203	Pg	10:03:25.31	0.08
			Sg	03:39.71	-2.63
KOLS	127.6	90	Pg	10:03:25.70	-0.37
			Sg	03:41.27	-2.58
OJC	152.0	340	Pn	10:03:30.40	1.13
STZU	153.4	87	Pn	10:03:30.24	0.80
			Sn	03:49.18	-0.66
PENC	157.7	216	Sn	10:03:49.88	-0.94
TRPA	173.4	121	Pn	10:03:34.46	2.52
			Sn	03:53.33	-0.96

90.

2023-02-07 time: 12:01:02.49 UTC ML= 1.0
 lat: 47.208N lon: 18.227E h= 0.0 km
 erh= 1.5km erz= 510km
 nr= 11 gap=133 rms=0.41
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	15.7	291	PgU	12:01:05.10	-0.19
			Sg	01:07.31	-0.16
CSKK	17.4	8	Pg	12:01:05.85	0.25
			Sg	01:07.29	-0.74
PKSG	23.9	31	Pg	12:01:07.43	0.68
			Sg	01:09.30	-0.78
MORH	114.8	164	Pg	12:01:23.45	0.46
			Sg	01:38.86	-0.13
PKSM	115.2	164	Pg	12:01:22.86	-0.20
			Sg	01:39.14	0.04
KOVH	124.9	184	Sg	12:01:41.93	-0.25

91.

2023-02-07 time: 12:04:33.88 UTC ML= 1.5
 lat: 47.203N lon: 18.235E h= 0.0 km
 erh= 2.4km erz= 963km
 nr= 14 gap=135 rms=0.81
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	16.4	292	Pg	12:04:36.57	-0.24
			Sg	04:38.68	-0.42
CSKK	17.9	6	Pg	12:04:37.18	0.10
			Sg	04:39.56	-0.01
PKSG	24.1	29	Pg	12:04:38.38	0.20
			Sg	04:40.65	-0.88
TIH	42.5	218	Pg	12:04:42.74	1.26
MPLH	52.8	266	Pg	12:04:43.98	0.67
			Sg	04:49.22	-1.45
MORH	114.1	164	Pg	12:04:54.90	0.64
			Sg	05:08.76	-1.39
PKSM	114.5	164	Pg	12:04:54.74	0.42
			Sg	05:09.08	-1.19
KOVH	124.3	185	Sg	12:05:11.05	-2.35

92.

2023-02-07 time: 12:45:39.37 UTC ML= 0.9
 lat: 47.847N lon: 16.035E h= 0.0 km
 erh= 4.5km erz= 4.5km
 nr= 6 gap=175 rms=0.57
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.8	305	Pg	12:45:42.45	0.26
			Sg	45:44.26	-0.13
RONA	25.6	130	PgU	12:45:44.02	0.08
			Sg	45:47.33	-0.17
SOP	43.3	115	Pg	12:45:47.33	0.23
KRUC	137.6	11	Sn	12:46:19.57	-2.87

93.

2023-02-08 time: 9:30:45.40 UTC ML= 1.8
 lat: 46.861N lon: 17.424E h= 0.0 km
 erh= 5.1km erz=12.9km
 nr= 13 gap=207 rms=1.17
 Locality: Raposka
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
MPLH	35.5	14	Pg	9:30:52.22	0.49
			Sg	30:56.29	-0.38
TIH	36.0	83	Sg	9:30:58.69	1.85
PKST	64.1	46	Sg	9:31:05.08	-0.68
CSKK	84.5	49	Sg	9:31:11.87	-0.39
PKSG	94.1	51	Pg	9:31:02.61	0.41
			Sg	31:14.51	-0.80
MORH	117.9	127	Pg	9:31:07.22	0.77
			Sg	31:21.58	-1.29
PKSM	118.0	128	Pg	9:31:07.85	1.38
			Sg	31:21.53	-1.38
PKSV	125.5	149	Sg	9:31:22.78	-2.50
MODS	168.5	356	Sn	9:31:31.65	-3.67

94.

2023-02-08 time: 9:44:44.26 UTC ML= 1.9
 lat: 48.609N lon: 20.747E h= 0.0 km
 erh= 1.9km erz= 4.8km
 nr= 10 gap=129 rms=0.56
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.8	234	Pg	9:44:48.72	0.20
			Sg	44:51.96	0.13
ABAH	50.4	134	Pg	9:44:52.83	-0.44
			Sg	45:00.30	0.01
PSZ	99.5	219	Pg	9:45:02.22	0.19
			Sg	45:14.46	-1.43
LANS	111.5	303	Pg	9:45:04.25	0.08
			Sg	45:18.49	-1.20
KOLS	117.9	72	Pg	9:45:05.39	0.08
PENC	141.9	230	Pn	9:45:10.08	1.09

95.

2023-02-08 time: 9:50:55.57 UTC ML= 2.2
 lat: 48.500N lon: 17.530E h= 0.0 km
 erh= 2.2km erz= 2.7km
 nr= 10 gap=276 rms=0.37
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	7.7	282	Pg	9:50:56.84	-0.10
			Sg	50:57.63	-0.38
MODS	23.4	233	Pg	9:51:00.16	0.41
			Sg	51:03.50	0.49
ZST	46.3	223	Pg	9:51:04.01	0.16
			Sg	51:09.74	-0.56
KRUC	104.2	307	Pg	9:51:14.37	0.18
			Sg	51:28.83	0.13
CONA	139.4	243	Pn	9:51:19.43	-0.55
			Sn	51:36.49	-2.53*

96.

2023-02-08 time: 11:55:42.72 UTC ML= 0.9
 lat: 47.190N lon: 18.292E h= 0.0 km
 erh= 1.9km erz= 582km
 nr= 9 gap=148 rms=0.43
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.4	353	Pg	11:55:46.41	0.23
			Sg	55:48.25	-0.62
PKST	20.9	291	Pg	11:55:46.68	0.22
			Sg	55:48.87	-0.51
PKSG	23.6	18	Pg	11:55:47.43	0.49
			Sg	55:49.77	-0.45
TIH	44.3	223	Sg	11:55:57.25	0.45
MORH	111.6	166	Sg	11:56:17.99	-0.22

KOVH	123.4	187	Sg	11:56:21.19	-0.75
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97.
 2023-02-08 time: 15:07:45.04 UTC ML= 2.2
 lat: 45.968N lon: 16.085E h= 1.3 km
 erh= 2.9km erz=26.9km
 nr= 10 gap=191 rms=0.46
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	12.4	233	Pg	15:07:46.78	-0.48
			Sg	07:48.93	-0.07
ZAG	17.0	205	Sg	15:07:50.53	0.08
CREG	51.2	252	Pg	15:07:54.02	-0.17
			Sg	08:01.30	-0.02
KOGS	54.9	13	Sg	15:08:01.53	-0.96
GROS	70.9	321	Pg	15:07:58.40	0.70
			Sg	08:07.48	-0.10
PERS	105.2	315	Pg	15:08:04.43	0.60
			Sg	08:18.20	-0.29

98.

2023-02-09 time: 8:51:56.40 UTC ML= 1.6
 lat: 48.050N lon: 20.714E h= 0.0 km
 erh= 3.3km erz= 867km
 nr= 7 gap=127 rms=0.58
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.7	55	Pg	8:52:05.38	0.47
			Sg	52:11.46	-0.09
KECS	51.0	341	Pg	8:52:05.76	0.25
			Sg	52:11.93	-0.68
PSZ	62.9	256	Pg	8:52:07.90	0.27
			Sg	52:16.00	-0.40
LTVH	115.8	130	Sg	8:52:30.96	-2.24

99.

2023-02-09 time: 9:20:00.55 UTC ML= 2.0
 lat: 48.487N lon: 19.861E h= 0.0 km
 erh= 7.4km erz= 863km
 nr= 5 gap=273 rms=0.39
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.2	91	Pg	9:20:08.52	-0.28
			Sg	20:15.03	-0.21
PSZ	63.3	178	Pg	9:20:12.23	0.38
			Sg	20:20.15	-0.51
ABAH	104.3	102	Sg	9:20:34.26	0.56

100.

2023-02-09 time: 9:41:02.23 UTC ML= 1.5
 lat: 48.717N lon: 21.400E h= 0.0 km
 erh= 3.8km erz= 4.7km
 nr= 10 gap=115 rms=1.18
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.3	194	Pg	9:41:12.32	1.46
			Sg	41:17.59	-0.01
KECS	72.3	249	Pg	9:41:15.19	0.05
			Sg	41:24.91	-0.30
HOLU	75.6	106	Sg	9:41:24.29	-1.97
STZU	95.7	70	Pg	9:41:20.80	1.48
NIE	111.3	314	Sg	9:41:36.64	-0.97

Hypocenter Parameters

PSZ 142.7 231 Sn 9:41:45.55 -0.87
 LANS 149.5 289 Sn 9:41:46.64 -1.30
 MEZ 157.5 98 Sn 9:41:47.96 -1.75

101.

2023-02-09 time: 9:45:55.77 UTC ML= 1.7
 lat: 47.822N lon: 19.063E h= 0.0 km
 erh= 7.6km erz= ***km
 nr= 7 gap=189 rms=0.89
 Locality: Verőce
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.7	102	Pg	9:45:59.61	0.86
			Sg	46:01.24	0.16
PSZ	63.1	80	Pg	9:46:07.63	0.59
			Sg	46:15.03	-0.80
PKSG	69.6	227	Sg	9:46:16.89	-1.00
KECS	128.9	55	Pg	9:46:18.83	0.05
			Sg	46:34.03	-2.70

102.

2023-02-09 time: 12:15:48.46 UTC ML= 1.6
 lat: 47.862N lon: 16.032E h= 0.0 km
 erh= 1.3km erz= 2.8km
 nr= 11 gap= 91 rms=0.65
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.7	300	Pg	12:15:51.31	0.22
			Sg	15:54.49	1.35
RONA	26.8	132	Pg	12:15:53.30	0.05
			Sg	15:57.20	0.21
SOP	44.2	117	Pg	12:15:56.75	0.39
			Sg	16:02.63	0.12
ARSA	78.1	209	Sg	12:16:12.79	-0.49
MODS	108.8	58	Pg	12:16:08.30	0.41
			Sg	16:22.55	-0.49
KRUC	136.1	11	Pn	12:16:11.48	-0.98
			Sn	16:28.75	-2.43

103.

2023-02-09 time: 14:26:13.00 UTC ML= 2.1
 lat: 47.107N lon: 19.340E h= 0.0 km
 erh= 4.8km erz= 808km
 nr= 11 gap=183 rms=0.75
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.1	244	Pg	14:26:16.28	0.58
			Sg	26:17.99	0.18
PKB1	55.0	229	Pg	14:26:23.22	0.40
PENC	76.1	357	Pg	14:26:27.72	1.13
PSZ	99.4	25	Pg	14:26:30.43	-0.32
			Sg	26:43.14	-1.46
PKS9	99.5	234	Pg	14:26:30.58	-0.18
MORH	112.5	208	Pg	14:26:33.18	0.10
			Sg	26:47.29	-1.45
PKSM	113.0	208	PgU	14:26:33.34	0.17
			Sg	26:46.98	-1.92

104.

2023-02-10 time: 9:15:19.59 UTC ML= 1.3
 lat: 46.195N lon: 18.285E h= 0.0 km
 erh= 1.9km erz= 4.7km
 nr= 11 gap=121 rms=0.65
 Locality: Komló
 Comments: probably explosion

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KOVH	18.6	230	Pg	9:15:23.08	0.17
			Sg	15:25.73	0.23
PKSM	27.6	86	Pg	9:15:24.54	0.02
			Sg	15:28.21	-0.15
MORH	27.8	85	Pg	9:15:24.61	0.05
			Sg	15:28.21	-0.23
PKSV	34.2	184	Sg	9:15:29.84	-0.62
PKB1	76.2	31	Pg	9:15:34.62	1.42
PKST	119.8	351	Sg	9:15:57.45	-0.21
CSKK	129.8	359	Sg	9:15:59.78	-1.08
PKSG	133.3	3	Sn	9:16:00.32	-1.37

105.

2023-02-10 time: 10:00:04.06 UTC ML= 2.2
 lat: 48.432N lon: 17.213E h= 0.0 km
 erh= 1.0km erz= 2.1km
 nr= 14 gap= 83 rms=0.33
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	8.0	144	Pg	10:00:05.50	0.00
			Sg	00:06.94	0.32
SMOL	18.4	60	Pg	10:00:07.20	-0.14
			Sg	00:09.60	-0.30
ZST	27.5	197	Pg	10:00:08.75	-0.22
			Sg	00:12.94	0.14
KRUC	92.3	319	Pg	10:00:20.85	0.30
			Sg	00:33.64	0.23
RONA	106.3	220	Pg	10:00:23.17	0.12
			Sg	00:36.44	-1.41
CONA	115.1	241	Pg	10:00:24.71	0.10
			Sg	00:39.92	-0.71
MORC	151.5	9	Pn	10:00:30.42	0.44
			Sn	00:49.41	-0.79

106.

2023-02-11 time: 0:03:26.70 UTC ML= 1.3
 lat: 47.672N lon: 16.086E h= 8.1 km
 erh= 1.5km erz= 1.4km
 nr= 16 gap=134 rms=0.51
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.1	79	PgU	0:03:30.15	0.23
			Sg	03:31.95	-0.48
CONA	33.1	330	Pg	0:03:33.40	0.61
			Sg	03:36.96	-0.57
SOP	35.5	88	Pg	0:03:33.44	0.24
			Sg	03:37.56	-0.71
WINA	48.5	359	Pg	0:03:35.41	-0.06
			Sg	03:41.69	-0.62
ARSA	63.2	222	Pg	0:03:38.45	0.38
			Sg	03:46.12	-0.83
MODS	118.3	49	Sn	0:04:03.16	-0.46
ABNA	121.2	336	Pn	0:03:47.69	-0.11
			Sn	04:01.63	-2.63*
MOA	137.9	278	Sn	0:04:08.54	0.58
KRUC	156.3	8	Pn	0:03:52.90	0.73
			Sn	04:11.45	-0.60

107.

2023-02-12 time: 11:50:30.54 UTC ML= 1.6
 lat: 45.801N lon: 22.001E h= 12.8 km
 erh= 2.1km erz= 1.3km
 nr= 15 gap=151 rms=0.59
 Locality: Romania
 Comments:

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
SURR	11.0	119	PgD	11:50:33.99	0.43
			Sg	50:35.80	-0.11
BZS	36.3	236	Pg	11:50:37.44	0.03
			Sg	50:41.82	-0.95
GZR	75.7	127	Pg	11:50:44.43	0.19
			Sg	50:53.81	-1.12
BANR	82.0	235	Sg	11:50:56.47	-0.46
HERR	107.4	162	PnD	11:50:50.03	0.70
			Sn	51:03.50	-0.48
MDVR	115.6	191	PnC	11:50:51.35	1.00
			Sn	51:06.10	0.30
DRGR	122.9	26	Pn	11:50:51.64	0.37
			Sn	51:06.08	-1.35
MARR	130.0	42	Sn	11:51:08.80	-0.19
DJES	136.2	162	Sn	11:51:09.96	-0.42

108.

2023-02-12 time: 16:58:55.36 UTC ML= 1.4
 lat: 47.927N lon: 16.406E h= 13.1 km
 erh= 1.4km erz= 1.3km
 nr= 13 gap=105 rms=0.42
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	26.6	198	Pg	16:59:00.90	0.24
			Sg	59:04.58	-0.20
SOP	29.4	157	Sg	16:59:05.63	0.04
WINA	31.9	309	Pg	16:59:01.79	0.26
			Sg	59:06.09	-0.25
CONA	40.7	270	Pg	16:59:03.14	0.14
			Sg	59:08.93	-0.02
MODS	81.7	53	Sg	16:59:20.70	-0.96
ARSA	100.3	221	S*	16:59:26.26	-0.76
ABNA	109.8	319	Pn	16:59:14.76	0.35
			Sn	59:27.17	-2.09
KRUC	126.2	360	Pn	16:59:16.88	0.42
			Sn	59:32.83	-0.08

109.

2023-02-13 time: 8:20:17.59 UTC ML= 1.3
 lat: 47.251N lon: 18.385E h= 0.0 km
 erh= 2.0km erz= 3.0km
 nr= 12 gap=113 rms=0.72
 Locality: Sárkereszttes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.6	323	Pg	8:20:20.76	0.38
			Sg	20:21.80	-0.76
PKSG	15.7	2	Pg	8:20:21.05	0.65
			Sg	20:22.40	-0.18
PKST	26.5	272	Pg	8:20:23.03	0.70
			Sg	20:26.43	0.41
MPLH	64.6	262	Sg	8:20:37.10	-1.04
MORH	116.7	170	Sg	8:20:54.75	0.05
PKSM	117.1	170	Sg	8:20:54.75	-0.08
KOVH	131.0	190	Sn	8:20:58.79	-0.40
PSZ	135.7	57	Sn	8:20:58.64	-1.59
MODS	149.9	326	Sn	8:20:59.97	-3.41

110.

2023-02-13 time: 9:18:32.02 UTC ML= 1.8
 lat: 48.331N lon: 21.537E h= 0.0 km
 erh= 2.6km erz= 3.2km
 nr= 13 gap= 97 rms=0.83
 Locality: Hercegkút
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	22.4	260	Pg	9:18:36.23	0.21

sta	dist	azm	phase	hr mn sec	res
TRPA	77.7	107	Pg	9:18:46.87	0.97
			Sg	18:56.38	-0.34
KOLS	86.2	39	Pg	9:18:48.09	0.67
			Sg	18:59.36	-0.07
MUKU	86.3	81	Sg	9:18:57.79	-1.65
			Pg	9:18:52.08	0.33
STZU	110.5	46	Sg	19:06.56	-0.58
			Sn	9:19:09.53	-4.00
PSZ	130.6	249	Sn	9:19:15.95	-1.39
NIE	150.7	323	Sn	9:19:17.04	-0.95
DRGR	192.6	153	Sn	9:19:28.31	1.03

111.

2023-02-13 time: 9:32:12.04 UTC ML= 1.3
 lat: 47.263N lon: 18.348E h= 0.0 km
 erh= 1.1km erz= 2.0km
 nr= 9 gap=156 rms=0.27
 Locality: Sárkereszttes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.0	329	Pg	9:32:14.45	0.08
			Sg	32:15.70	-0.48
PKSG	14.7	13	PgU	9:32:14.72	0.04
			Sg	32:16.64	-0.09
PKST	23.7	269	Pg	9:32:16.60	0.32
MORH	118.5	169	Sg	32:19.38	-0.21
			Sg	9:32:49.66	-0.06
PKSM	118.9	169	Sg	9:32:49.27	-0.58
KOVH	131.9	188	Sn	9:32:54.22	0.38

112.

2023-02-13 time: 10:00:23.08 UTC ML= 1.0
 lat: 46.147N lon: 18.013E h= 0.0 km
 erh= 1.5km erz= 2.5km
 nr= 9 gap=225 rms=0.36
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	9.4	134	Pg	10:00:24.92	0.16
			Sg	00:25.92	-0.15
PKSV	34.2	147	Pg	10:00:29.34	0.15
			Sg	00:33.00	-0.96
PKSM	49.1	82	Pg	10:00:32.12	0.27
			Sg	00:38.48	-0.20
MORH	49.3	81	Pg	10:00:32.14	0.24
			Sg	00:38.60	-0.17
PKSG	141.4	12	Sn	10:01:05.89	-1.09

113.

2023-02-13 time: 10:32:20.37 UTC ML= 1.0
 lat: 47.891N lon: 16.074E h= 0.0 km
 erh= 3.0km erz= 6.2km
 nr= 7 gap= 86 rms=0.76
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.4	284	Pg	10:32:23.82	0.52
			Sg	32:25.78	0.20
RONA	27.1	142	Pg	10:32:25.93	0.73
			Sg	32:28.94	-0.03
ARSA	82.4	210	Sg	10:32:45.22	-1.35
MODS	104.4	59	Sg	10:32:53.17	-0.38
KRUC	132.3	10	Sn	10:33:00.76	-1.49

Hypocenter Parameters

Földrengés paraméterek

114.

2023-02-13 time: 11:00:52.90 UTC ML= 0.9
 lat: 47.181N lon: 18.211E h= 0.0 km
 erh= 2.8km erz=11.5km
 nr= 9 gap=140 rms=0.77
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	15.9	303	PgU	11:00:56.39			0.65
			Sg		00:57.20		-0.76
CSKK	20.6	11	Pg	11:00:57.17			0.59
			Sg		00:58.64		-0.82
PKSG	27.1	30	Pg	11:00:58.42			0.67
			Sg		01:00.93		-0.60
MORH	112.3	163	Sg	11:01:28.37			-0.22
PKSM	112.6	163	Sg	11:01:27.70			-1.00
MODS	149.9	332	Sn	11:01:35.37			-3.33

115.

2023-02-13 time: 12:43:58.72 UTC ML= 1.3
 lat: 47.930N lon: 16.109E h= 0.0 km
 erh= 2.4km erz= 655km
 nr= 6 gap=142 rms=0.42
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	18.5	270	Pg	12:44:02.14			0.11
			Sg		44:03.82		-0.79
RONA	29.1	151	Pg	12:44:03.90			-0.03
			Sg		44:07.70		-0.28
KRUC	127.7	10	Pg	12:44:22.22			0.70
			Sg		44:38.96		-0.35

116.

2023-02-13 time: 12:51:37.49 UTC ML= 2.0
 lat: 47.069N lon: 19.423E h= 0.0 km
 erh= 3.7km erz= 642km
 nr= 6 gap=192 rms=0.43
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	20.0	263	Pg	12:51:41.76			0.70
			Sg		51:43.72		-0.13
PENC	81.0	352	Pg	12:51:52.17			0.22
			Sg		12:51:55.06		-0.45
MORH	112.0	212	Pg	12:51:57.41			-0.07
			Sg		52:12.44		-0.64

117.

2023-02-13 time: 13:05:20.46 UTC ML= 2.0
 lat: 47.072N lon: 19.431E h= 0.0 km
 erh= 2.9km erz= 538km
 nr= 10 gap=192 rms=0.42
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	20.7	262	Pg	13:05:24.60			0.45
			Sg		05:26.48		-0.56
PKB1	58.2	237	Pg	13:05:30.94			0.08
PENC	80.6	352	Pg	13:05:35.33			0.48
PSZ	100.3	20	Pg	13:05:38.30			-0.07
			Sg		05:51.25		-1.10
PKS9	103.1	238	Pg	13:05:38.89			0.01
MORH	112.7	212	Pg	13:05:40.65			0.07
			Sg		05:54.50		-1.77
PKSM	113.2	212	Pg	13:05:40.57			-0.10

118.

2023-02-14 time: 0:09:35.16 UTC ML= 1.6
 lat: 48.100N lon: 20.498E h= 13.9 km
 erh= 4.6km erz= 3.7km
 nr= 6 gap=179 rms=0.40
 Locality: Mályinka
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	49.4	246	Pg	0:09:44.02			-0.30
			Sg		09:52.34		0.88
ABAH	59.3	68	Pg	0:09:46.31			0.28
			Sg		09:53.96		-0.55
BSZH	90.6	191	S*	0:10:04.13			0.07
PENC	97.2	249	S*	0:10:05.64			-0.19

119.

2023-02-14 time: 10:07:52.23 UTC ML= 1.4
 lat: 47.870N lon: 16.058E h= 0.0 km
 erh= 2.5km erz= 4.5km
 nr= 8 gap=126 rms=0.80
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.0	294	Pg	10:07:55.82			0.72
			Sg		07:58.09		0.76
RONA	26.0	137	Pg	10:07:57.54			0.66
			Sg		08:01.14		0.64
ARSA	79.8	210	Pg	10:08:05.60			-0.88
			Sg		08:17.26		-0.33
KRUC	134.9	11	Pn	10:08:15.70			-0.38
			Sn		08:32.60		-2.08

120.

2023-02-14 time: 10:40:37.53 UTC ML= 0.7
 lat: 47.189N lon: 18.298E h= 0.0 km
 erh= 0.9km erz= 255km
 nr= 8 gap=149 rms=0.18
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.5	352	Pg	10:40:41.02			0.00
			Sg		40:43.29		-0.44
PKST	21.4	291	Pg	10:40:41.56			0.21
			Sg		40:44.11		-0.22
PKSG	23.6	17	Pg	10:40:41.88			0.14
			Sg		40:45.05		0.02
MORH	111.4	166	Sg	10:41:12.75			-0.20
PKSM	111.8	166	Sg	10:41:13.06			-0.01

121.

2023-02-14 time: 11:34:35.40 UTC ML= 1.9
 lat: 48.644N lon: 21.437E h= 0.0 km
 erh= 4.7km erz= 8.1km
 nr= 10 gap=106 rms=1.30
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	41.4	201	Sg	11:34:49.43			0.87
KOLS	69.3	62	Pg	11:34:49.90			2.11
			Sg		34:57.80		0.35
STZU	96.4	65	Pg	11:34:51.39			-1.23
			Sg		35:03.99		-2.06
TRPA	99.6	125	Pg	11:34:54.13			0.93
			Sg		35:05.94		-1.14
NIE	119.1	316	Sg	11:35:13.38			0.13

Földrengés paraméterek

Hypocenter Parameters

PSZ 140.1 235 Sn 11:35:17.92 -1.09
 LANS 155.0 291 Sn 11:35:21.28 -1.04

122.

2023-02-14 time: 12:44:48.95 UTC ML= 1.9
 lat: 47.063N lon: 19.388E h= 0.0 km
 erh= 3.7km erz= 722km
 nr= 7 gap=189 rms=0.53
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.4	264	Pg	12:44:52.60	0.55
			Sg	44:54.56	0.09
PENC	81.2	354	Pg	12:45:03.72	0.27
PSZ	102.4	22	Pg	12:45:06.61	-0.62
MORH	110.1	211	Pg	12:45:08.96	0.35
			Sg	45:23.59	-0.36
PKSM	110.6	211	Sg	12:45:22.81	-1.29

123.

2023-02-14 time: 13:03:44.75 UTC ML= 2.0
 lat: 47.060N lon: 19.432E h= 0.0 km
 erh= 4.6km erz= 964km
 nr= 10 gap=193 rms=0.76
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	20.6	266	Pg	13:03:48.62	0.18
			Sg	03:50.58	-0.73
PENC	82.0	352	Pg	13:04:00.05	0.66
PSZ	101.6	20	Pg	13:04:03.02	0.13
			Sg	04:14.92	-2.12
PKS9	102.5	239	Pg	13:04:03.18	0.12
MORH	111.6	213	Pg	13:04:05.06	0.38
			Sg	04:19.14	-1.08
PKSM	112.1	213	Pg	13:04:05.45	0.69
			Sg	04:18.60	-1.77

124.

2023-02-14 time: 18:26:59.91 UTC ML= 1.3
 lat: 47.981N lon: 16.526E h= 17.5 km
 erh= 2.7km erz= 2.6km
 nr= 10 gap=157 rms=0.45
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	35.7	209	Pg	18:27:07.41	0.40
			Sg	27:11.82	-0.73
WINA	36.6	293	Pg	18:27:07.32	0.16
			Sg	27:12.31	-0.50
CONA	50.0	263	Pg	18:27:09.77	0.40
			Sg	27:16.34	-0.41
MODS	70.9	52	P*	18:27:13.09	0.28
			S*	27:22.14	-0.72
ABNA	111.6	313	Sn	18:27:32.63	-0.59
KRUC	120.6	355	Sn	18:27:35.62	0.40

125.

2023-02-15 time: 11:48:49.09 UTC ML= 1.5
 lat: 45.599N lon: 17.706E h= 17.3 km
 erh= 1.4km erz= 0.5km
 nr= 10 gap=225 rms=0.13
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	53.3	53	Pg	11:48:59.02	-0.07

sta	dist	azm	phase	hr mn sec	res
			Sg	49:06.88	-0.01
KOVH	62.4	29	Pg	11:49:00.78	0.14
			Sg	49:09.54	-0.12
PKSM	99.5	47	Pn	11:49:06.41	0.10
			Sn	49:19.80	0.06
MORH	100.0	47	Pn	11:49:06.30	-0.07
			Sn	49:19.83	-0.01
PTJ	140.1	284	Sn	11:49:28.40	-0.35
KOGS	147.0	310	Sn	11:49:32.86	2.57*
CRES	177.0	278	Sn	11:49:37.19	0.26

126.

2023-02-15 time: 13:28:49.74 UTC ML= 1.9
 lat: 47.075N lon: 19.375E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 10 gap=188 rms=0.86
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.5	259	Pg	13:28:53.07	0.38
			Sg	28:54.87	-0.12
PENC	79.8	355	Pg	13:29:04.81	0.81
PKS9	99.7	237	Pg	13:29:08.02	0.48
PSZ	101.6	23	Pg	13:29:07.71	-0.18
			Sg	29:20.15	-1.89
MORH	110.7	210	Pg	13:29:09.82	0.31
			Sg	29:22.19	-2.73
PKSM	111.2	210	Pg	13:29:09.98	0.38
			Sg	29:23.52	-1.56

127.

2023-02-15 time: 13:41:41.05 UTC ML= 1.7
 lat: 46.104N lon: 16.450E h= 11.4 km
 erh= 2.7km erz= 2.1km
 nr= 13 gap=208 rms=0.56
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	41.2	338	Pg	13:41:48.65	-0.04
			Sg	41:55.74	1.09
PTJ	44.4	239	Pg	13:41:49.12	-0.11
			Sg	41:55.66	0.04
RCF6	45.6	304	Pg	13:41:49.28	-0.17
BEHE	47.8	32	Pg	13:41:49.55	-0.27
			Sg	41:56.17	-0.49
CRES	83.0	248	Pg	13:41:56.76	0.75
			Sg	42:07.45	-0.23
GROS	83.2	298	Sg	13:42:06.79	-0.95
PERS	118.4	300	Pn	13:42:02.32	0.93
			Sn	42:16.42	-0.84
SOKA	126.3	300	Sn	13:42:18.50	-0.51

128.

2023-02-16 time: 1:12:22.91 UTC ML= 1.6
 lat: 46.269N lon: 19.797E h= 7.3 km
 erh= 2.3km erz= 1.8km
 nr= 23 gap=143 rms=0.59
 Locality: Ruzsa
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS6	40.9	334	Pg	1:12:30.39	0.07
			Sg	12:36.64	0.54
PKB3	49.4	290	Pg	1:12:32.06	0.23
			Sg	12:39.33	0.55
PKS2	51.3	299	Pg	1:12:32.83	0.67
			Sg	12:39.92	0.55
PKB2	62.0	317	Sg	1:12:42.40	-0.35
MORH	89.1	266	Pg	1:12:38.62	-0.25
			Sg	12:51.38	0.06

Hypocenter Parameters

PKSM	89.3	266	Pg	1:12:38.70	-0.21
			Sg	12:51.58	0.18
PKB1	96.0	307	Pg	1:12:39.92	-0.18
			Sg	12:51.98	-1.54
PKS7	99.3	331	Pg	1:12:40.72	0.04
			Sg	12:53.70	-0.85
PKS9	121.9	287	Pn	1:12:43.60	-0.61
			Sn	12:59.95	-0.88
PKSV	126.7	251	Pn	1:12:44.09	-0.72
KOVH	132.5	261	Pn	1:12:46.23	0.69
			Sn	13:03.63	0.44
BZS	158.7	117	Pn	1:12:48.67	-0.13
			Sn	13:04.73	-4.26*
PKSG	164.6	319	Pn	1:12:51.25	1.72
			Sn	13:10.34	0.04

129.

2023-02-16 time: 14:14:27.80 UTC ML= 1.9
 lat: 47.071N lon: 19.431E h= 0.0 km
 erh= 3.9km erz= 5.2km
 nr= 7 gap=192 rms=0.40
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	20.7	263	Pg	14:14:32.07	0.57
			Sg	14:33.64	-0.74
PENC	80.8	352	Pg	14:14:42.72	0.50
PSZ	100.4	20	Pg	14:14:45.34	-0.39
PKS9	103.1	239	Pg	14:14:46.24	0.03
MORH	112.6	212	Pg	14:14:47.73	-0.17
KOVH	149.5	223	Pn	14:14:53.30	-0.17

130.

2023-02-16 time: 22:11:57.67 UTC ML= 2.0
 lat: 45.535N lon: 16.401E h= 15.3 km
 erh= 3.4km erz= 1.9km
 nr= 16 gap=149 rms=0.70
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	45.5	316	Pg	22:12:06.46	0.21
			Sg	12:13.33	0.39
PTJ	53.3	320	Pg	22:12:07.14	-0.42
			Sg	12:13.72	-1.56
CRES	80.3	294	P*U	22:12:12.87	0.67
			S*	12:23.81	0.27
KOGS	102.2	353	Pn	22:12:15.67	0.18
			Sn	12:28.59	-0.80
BLY	106.9	145	Sn	22:12:29.04	-1.39
BEHE	108.0	16	Pn	22:12:16.53	0.32
			Sn	12:29.94	-0.73
GROS	124.3	326	Sn	22:12:34.36	0.06
PERS	157.6	321	Sn	22:12:40.93	-0.76
SOKA	165.3	320	Sn	22:12:44.11	0.70
PKSM	189.6	67	Sn	22:12:50.56	1.78
MORH	189.9	67	Sn	22:12:50.28	1.42

131.

2023-02-17 time: 9:07:23.33 UTC ML= 1.5
 lat: 47.660N lon: 16.618E h= 0.0 km
 erh= 2.1km erz= 5.1km
 nr= 15 gap=113 rms=0.84
 Locality: Harka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	5.2	301	PgU	9:07:24.49	0.23
			Sg	07:25.54	0.57
RONA	24.5	280	Pg	9:07:27.83	0.12
EGYH	60.2	117	Sg	9:07:42.76	0.30

Földrengés paraméterek

MPLH	88.3	128	Pg	9:07:39.80	0.69
			Sg	07:50.98	-0.43
MODS	93.4	32	Pg	9:07:41.12	1.11
			Sg	07:52.78	-0.25
ARSA	94.2	241	Pg	9:07:40.96	0.80
			Sg	07:51.30	-1.99
SMOL	112.6	32	Sg	9:07:57.96	-1.16
PKST	115.8	113	Pg	9:07:43.95	-0.05
			Sg	07:58.73	-1.40
KRUC	156.8	354	Pn	9:07:49.03	-0.89
			Sn	08:08.36	-2.29

132.

2023-02-17 time: 9:44:10.73 UTC ML= 1.7
 lat: 48.852N lon: 21.604E h= 0.0 km
 erh= 2.5km erz= 4.7km
 nr= 8 gap=136 rms=0.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	49.9	80	Pg	9:44:19.93	0.29
			Sg	44:26.81	0.22
ABAH	67.4	204	Pg	9:44:23.37	0.60
			Sg	44:32.60	0.44
TRPA	105.9	139	Pg	9:44:29.08	-0.56
			Sg	44:43.25	-1.14
NIE	113.3	304	Pg	9:44:30.73	-0.24
PSZ	163.7	231	Sn	9:44:59.45	-0.14

133.

2023-02-17 time: 10:23:20.53 UTC ML= 2.0
 lat: 47.319N lon: 16.382E h= 0.0 km
 erh= 1.9km erz= 4.9km
 nr= 24 gap= 67 rms=0.93
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	42.6	18	Pg	10:23:28.29	0.15
			Sg	23:33.65	-0.43
RONA	42.8	351	PgU	10:23:28.68	0.50
			Sg	23:33.49	-0.66
ARSA	65.5	263	Pg	10:23:32.20	-0.01
			Sg	23:41.05	-0.28
EGYH	72.5	81	Pg	10:23:34.79	1.31
CONA	78.3	330	Pg	10:23:35.26	0.76
			Sg	23:44.10	-1.31
MPLH	89.1	101	Pg	10:23:37.09	0.65
			Sg	23:46.84	-2.02
KOGS	97.3	186	Pg	10:23:38.45	0.55
			Sg	23:50.71	-0.75
BEHE	99.0	162	Pg	10:23:39.52	1.32
GROS	116.6	215	Pg	10:23:41.55	0.20
			Sg	23:55.60	-1.99
PERS	122.6	232	Pg	10:23:42.42	-0.01
			Sg	23:57.25	-2.26
SOKA	125.0	235	Pg	10:23:43.28	0.44
			Sg	23:58.67	-1.58
PKST	125.1	93	Pg	10:23:43.00	0.13
			Sg	23:58.15	-2.15
MODS	135.1	30	Pn	10:23:44.53	0.13
			Sn	24:01.26	-1.77

134.

2023-02-18 time: 15:01:58.09 UTC ML= 1.9
 lat: 45.786N lon: 16.916E h= 10.0 km
 erh= 2.6km erz= 1.9km
 nr= 12 gap=202 rms=0.45
 Locality: Croatia
 Comments:

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
BEHE	76.8	352	Pg	15:02:12.21	0.29
			Sg	02:23.04	0.32
KOGS	89.8	325	Pg	15:02:14.21	-0.01
			Sg	02:26.25	-0.56
KOVH	97.8	70	Pg	15:02:15.52	-0.12
			Sg	02:27.03	-2.31
CRES	113.5	272	Pn	15:02:18.34	0.35
			Sn	02:32.51	-1.01
GROS	132.6	304	Sn	15:02:37.59	-0.16
			Pn	15:02:22.14	0.61
PKSM	141.8	70	Sn	02:39.55	-0.26
			Pn	15:02:39.71	-0.18

135.

2023-02-20 time: 9:13:59.97 UTC ML= 1.5
 lat: 47.115N lon: 17.869E h= 0.0 km
 erh= 2.1km erz=13.3km
 nr= 14 gap=108 rms=0.82
 Locality: Márkó
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.3	38	Pg	9:14:03.78	0.18
			Sg	14:06.52	0.09
TIH	24.0	176	Sg	9:14:09.41	1.81
			Pg	9:14:04.72	0.16
MPLH	25.7	284	Pg	9:14:04.72	0.16
			Sg	14:07.61	-0.54
CSKK	40.5	47	Pg	9:14:08.07	0.87
			Sg	14:12.24	-0.60
PKSG	50.0	52	Sg	9:14:15.33	-0.55
			Pg	9:14:21.36	0.76
KOVH	115.5	171	Sg	14:35.91	-0.78
			Pg	9:14:20.65	-0.08
MORH	116.3	149	Sg	14:35.68	-1.25
			Sg	9:14:35.44	-1.58
MODS	146.8	342	Sn	9:14:41.70	-3.37

136.

2023-02-20 time: 9:56:53.96 UTC ML= 1.0
 lat: 46.131N lon: 18.048E h= 0.0 km
 erh= 2.7km erz= 364km
 nr= 7 gap=289 rms=0.25
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.2	140	PgU	9:56:55.12	0.04
			Sg	56:56.29	0.34
PKSV	31.3	150	Pg	9:56:59.50	-0.05
			Sg	57:03.33	-0.57
PKSM	46.7	79	Pg	9:57:02.55	0.25
			Sg	57:08.77	-0.04
MORH	47.0	78	Sg	9:57:08.54	-0.36

137.

2023-02-20 time: 11:00:00.35 UTC ML= 1.9
 lat: 48.035N lon: 17.055E h= 0.0 km
 erh= 5.6km erz= 609km
 nr= 8 gap=209 rms=0.52
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.3	11	Pg	11:00:03.93	0.31
			Sg	00:06.28	0.11
MODS	41.2	24	Pg	11:00:07.65	-0.06
			Sg	00:13.29	-0.15
SMOL	60.1	28	Sg	11:00:19.00	-0.45
RONA	67.9	237	Pg	11:00:13.09	0.62
			Sg	00:21.39	-0.53
CONA	89.8	262	Sg	11:00:27.02	-1.89

138.

2023-02-20 time: 12:41:09.73 UTC ML= 2.0
 lat: 46.131N lon: 16.367E h= 0.0 km
 erh= 1.8km erz= 4.7km
 nr= 16 gap=139 rms=0.59
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOGS	36.4	346	Pg	12:41:16.67	0.45
			Sg	41:20.94	-0.34
RCF6	38.6	306	Pg	12:41:17.74	1.11
			Sg	41:22.43	0.43
PTJ	40.8	231	Pg	12:41:17.14	0.13
			Sg	41:23.11	0.42
BEHE	49.1	40	Sg	12:41:25.28	-0.05
GROS	76.1	299	Pg	12:41:23.33	0.02
			Sg	41:33.26	-0.65
CRES	78.3	244	Pg	12:41:23.72	0.01
			Sg	41:33.66	-0.95
PERS	111.3	300	Pg	12:41:30.03	0.42
			Sg	41:44.30	-0.82
SOKA	119.3	301	Sg	12:41:46.49	-1.14
KOVH	134.1	92	Pn	12:41:32.95	-0.53
ARSA	140.2	333	Sn	12:41:51.11	-2.25

139.

2023-02-20 time: 14:58:12.01 UTC ML= 1.6
 lat: 45.603N lon: 17.643E h= 12.5 km
 erh= 3.5km erz= 1.6km
 nr= 9 gap=255 rms=0.32
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	57.1	56	Pg	14:58:22.30	-0.14
			Sg	58:29.98	-0.59
KOVH	64.6	33	Pg	14:58:24.04	0.29
			Sg	58:33.17	0.25
PKSM	102.9	49	P*	14:58:30.23	-0.01
			S*	58:44.01	-0.45
MORH	103.3	49	P*	14:58:30.73	0.42
			S*	58:44.55	-0.03
KOGS	143.1	311	Sn	14:58:52.93	-0.51

140.

2023-02-20 time: 15:49:21.87 UTC ML= 1.5
 lat: 45.968N lon: 16.062E h= 10.0 km
 erh= 2.1km erz= 2.1km
 nr= 8 gap=183 rms=0.25
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	11.0	227	Pg	15:49:24.52	-0.01
			Sg	49:26.40	-0.21
ZAG	16.3	199	Pg	15:49:25.06	-0.23
			Sg	49:28.12	0.16
CRES	49.5	251	Pg	15:49:31.25	0.35
			Sg	49:37.98	0.05
KOGS	55.3	15	Sg	15:49:39.96	0.22
PERS	104.0	316	S*	15:49:54.56	-0.47

Hypocenter Parameters

Földrengés paraméterek

141.
 2023-02-20 time: 19:51:28.17 UTC ML= 1.8
 lat: 48.197N lon: 16.024E h= 10.0 km
 erh= 3.5km erz= 2.6km
 nr= 13 gap=141 rms=0.82
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
WINA	10.6	160	Pg	19:51:31.09			0.32
			Sg	51:32.53			-0.27
CONA	32.2	202	Pg	19:51:34.85			0.66
			Sg	51:38.45			-0.44
RONA	58.9	160	Pg	19:51:39.07			0.23
			Sg	51:46.27			-0.89
ABNA	68.4	320	Pg	19:51:41.11			0.59
			Sg	51:49.70			-0.46
KRUC	100.0	16	Pg	19:51:45.96			-0.16
			Sg	51:58.01			-2.11
ARSA	111.7	200	Sn	19:52:01.49			-1.72
VRAC	130.5	19	Pn	19:51:51.52			1.32
			Sn	52:06.93			-0.45

142.
 2023-02-21 time: 8:30:35.44 UTC ML= 1.5
 lat: 47.254N lon: 17.691E h= 0.0 km
 erh= 1.6km erz= 3.9km
 nr= 12 gap=130 rms=0.76
 Locality: Bakonybél
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	14.8	231	Pg	8:30:38.44			0.36
			Sg	30:39.77			-0.37
PKST	26.0	89	Pg	8:30:40.79			0.71
			Sg	30:44.55			0.85
EGYH	32.6	304	Pg	8:30:41.42			0.16
			Sg	30:45.32			-0.49
TIH	42.3	159	Sg	8:30:48.74			-0.14
PKSG	55.1	74	Pg	8:30:45.53			0.26
			Sg	30:51.83			-1.11
BEHE	111.7	219	Pg	8:30:55.43			0.05
MORH	136.5	148	Sn	8:31:15.54			-2.72
PKSM	136.8	148	Sn	8:31:14.99			-3.33

143.
 2023-02-21 time: 9:21:30.77 UTC ML= 1.9
 lat: 46.103N lon: 21.691E h= 0.0 km
 erh= 9.1km erz= ***km
 nr= 6 gap=220 rms=0.90
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
BZS	54.4	186	Pg	9:21:40.79			0.31
			Sg	21:46.43			-1.63
DRGR	109.6	46	Pg	9:21:50.81			0.47
			Sg	22:04.12			-1.48
GZR	115.6	133	Pg	9:21:52.38			0.96
			Sg	22:06.93			-0.59

144.
 2023-02-21 time: 9:35:38.54 UTC ML= 1.9
 lat: 48.787N lon: 16.157E h= 0.0 km
 erh= 4.1km erz= 4.5km
 nr= 14 gap=193 rms=0.95
 Locality: Czechia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KRUC	35.2	30	Pg	9:35:44.86			0.04
			Sg	35:48.62			-1.10
VRAC	66.2	29	Pg	9:35:51.13			0.78
			Sg	35:58.48			-1.09
MODS	94.6	119	Sg	9:36:08.88			0.27
CONA	98.0	193	Pg	9:35:56.45			0.42
			Sg	36:08.97			-0.71
JAVC	111.5	86	Pg	9:35:59.96			1.52
RONA	121.4	175	Pg	9:36:01.21			1.00
			Sg	36:15.61			-1.51
SOP	126.3	166	Sg	9:36:17.33			-1.36
MORC	149.3	42	Pn	9:36:03.87			-0.31
			Sn	36:22.03			-2.16
ARSA	177.3	195	Sn	9:36:30.01			-0.40

145.
 2023-02-22 time: 8:37:12.74 UTC ML= 1.8
 lat: 46.833N lon: 17.420E h= 0.0 km
 erh= 5.1km erz= ***km
 nr= 13 gap=206 rms=1.13
 Locality: Hegymagas
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	36.9	78	Pg	8:37:20.44			1.12
			Sg	37:24.98			0.52
MPLH	38.5	14	Pg	8:37:19.30			-0.32
			Sg	37:24.78			-0.21
EGYH	65.2	354	Sg	8:37:31.20			-2.28
PKST	66.5	45	Pg	8:37:25.41			0.79
			Sg	37:33.94			0.06
CSKK	86.9	47	Sg	8:37:39.50			-0.85
PKSG	96.4	50	Pg	8:37:29.87			-0.08
			Sg	37:42.63			-0.74
KOVH	97.9	148	Pg	8:37:31.98			1.75
			Sg	37:42.39			-1.48
MORH	116.4	126	Sg	8:37:47.01			-2.72

146.
 2023-02-22 time: 9:54:24.52 UTC ML= 1.5
 lat: 48.541N lon: 17.443E h= 0.0 km
 erh= 3.3km erz= 189km
 nr= 6 gap=174 rms=0.16
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	3.2	199	Pg	9:54:24.86			-0.23
			Sg	54:25.46			-0.08
MODS	22.3	213	Pg	9:54:28.51			0.01
			Sg	54:31.93			0.33
JAVC	39.2	25	Pg	9:54:31.64			0.13
			Sg	54:36.93			-0.04

147.
 2023-02-22 time: 10:29:52.66 UTC ML= 0.7
 lat: 47.184N lon: 18.297E h= 0.0 km
 erh= 1.1km erz= 319km
 nr= 8 gap=149 rms=0.24
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	20.1	352	Pg	10:29:55.78			-0.46
			Sg	29:59.26			0.22
PKST	21.6	293	Pg	10:29:56.45			-0.06
			Sg	29:59.85			0.34
PKSG	24.1	17	Pg	10:29:57.11			0.14
			Sg	30:00.40			0.07
MPLH	57.5	268	Sg	10:30:11.05			0.13
MORH	110.9	166	Sg	10:30:27.79			-0.11

Földrengés paraméterek

Hypocenter Parameters

148.

2023-02-23 time: 8:09:20.46 UTC ML= 1.8
 lat: 47.328N lon: 18.510E h= 0.0 km
 erh= 2.8km erz= 5.0km
 nr= 12 gap=117 rms=0.93
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	11.5	308	Pg	8:09:22.95			0.45
			Sg	09:23.58			-0.52
CSKK	19.2	282	Pg	8:09:24.52			0.63
			Sg	09:26.47			-0.10
PKST	36.8	258	Pg	8:09:28.20			1.18
			Sg	09:32.19			0.05
MPLH	75.5	257	Sg	8:09:42.16			-2.30
PSZ	123.1	58	Sg	8:09:59.53			-0.05
MORH	124.0	175	Sg	8:09:59.58			-0.30
PKSM	124.5	175	Sg	8:09:59.81			-0.21
KOVH	141.3	193	Sn	8:10:03.37			-0.97
MODS	148.4	322	Sn	8:10:02.66			-3.26

149.

2023-02-23 time: 8:42:19.62 UTC ML= 0.8
 lat: 47.836N lon: 16.024E h= 0.0 km
 erh= 3.9km erz= 7.9km
 nr= 7 gap=100 rms=1.13
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.9	310	Pg	8:42:23.11			0.65
			Sg	42:25.69			1.02
RONA	25.4	127	Pg	8:42:24.91			0.75
			Sg	42:28.19			0.49
ARSA	75.3	210	Sg	8:42:42.52			-1.02
MODS	110.8	57	Sg	8:42:53.39			-1.46
KRUC	139.0	11	Sn	8:43:00.44			-2.56

150.

2023-02-23 time: 9:44:03.02 UTC ML= 2.2
 lat: 46.287N lon: 22.039E h= 0.0 km
 erh= 3.7km erz= 6.1km
 nr= 11 gap=167 rms=0.89
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	76.1	43	Pg	9:44:16.92			0.30
			Sg	44:26.80			-0.43
DEV	80.5	124	Sg	9:44:28.91			0.30
BZS	81.4	204	Pg	9:44:17.79			0.23
			Sg	44:28.12			-0.79
GZR	114.7	150	Pg	9:44:24.44			0.94
			Sg	44:38.69			-0.79
CJR	128.7	68	Sg	9:44:41.82			-2.11
BMR	189.8	36	Sn	9:44:56.77			-0.90
TRPA	208.4	10	Sn	9:45:04.71			2.92
VOIR	252.1	112	Sn	9:45:15.23			3.72*

151.

2023-02-23 time: 11:13:38.57 UTC ML= 1.9
 lat: 48.418N lon: 19.093E h= 0.0 km
 erh= 2.1km erz= 3.1km
 nr= 15 gap= 94 rms=0.75
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	71.2	169	Pg	11:13:52.29			1.01
			Sg	14:00.75			-0.45
PSZ	81.5	133	Pg	11:13:53.62			0.49
			Sg	14:03.18			-1.30
LANS	86.0	19	Pg	11:13:54.17			0.24
			Sg	14:04.90			-1.01
SRO	88.8	221	Sg	11:14:06.78			-0.02
JAVC	115.7	295	Pg	11:13:59.73			0.49
			Sg	14:14.77			-0.58
PKSG	125.6	205	Pg	11:14:01.46			0.46
			Sg	14:17.12			-1.37
CSKK	132.8	208	Sn	11:14:19.24			-1.32
MODS	134.5	268	Pn	11:14:03.10			0.72
			Sn	14:19.71			-1.24
NIE	142.8	39	Pn	11:14:03.26			-0.15

152.

2023-02-23 time: 11:57:14.94 UTC ML= 2.5
 lat: 45.559N lon: 16.052E h= 6.2 km
 erh= 1.8km erz= 1.5km
 nr= 45 gap=129 rms=0.87
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	30.4	351	Pg	11:57:20.82			0.34
			Sg	57:25.96			1.17
PTJ	38.6	349	Pg	11:57:21.57			-0.36
			Sg	57:28.48			1.11
GCIS	47.6	316	iPgC	11:57:23.64			0.12
			iSg	57:30.09			-0.12
CREG	55.1	303	Pg	11:57:24.53			-0.31
			Sg	57:32.63			0.07
BOJS	62.8	264	iPgC	11:57:26.15			-0.07
			iSg	57:33.88			-1.13
R93E	67.6	106	Pg	11:57:26.78			-0.28
RCF6	86.4	355	Pg	11:57:30.63			0.22
KOGS	100.0	9	Pg	11:57:32.68			-0.16
			Sg	57:46.23			-0.57
GROS	109.0	337	Pg	11:57:34.50			0.07
			Sg	57:47.83			-1.80
BEHE	115.7	29	Pn	11:57:36.40			0.79
			Sn	57:51.18			-0.55
BLY	126.6	135	Pn	11:57:36.41			-0.55
			Sn	57:52.93			-1.21
PERS	139.9	329	Pn	11:57:38.45			-0.17
			Sn	57:55.25			-1.83
SOKA	147.3	328	Pn	11:57:39.30			-0.24
			Sn	57:56.90			-1.82
OBKA	157.2	312	Pn	11:57:42.63			1.85
			Sn	58:01.58			0.65
ROB8	166.4	281	Pn	11:57:43.81			1.88
KOVH	169.6	70	Pn	11:57:41.65			-0.68
			Sn	58:03.65			-0.04
PKSV	175.1	78	Pn	11:57:45.35			2.34
			Sn	58:04.94			0.03
TRI	179.2	275	Sn	11:58:07.35			1.54
ARSA	192.4	348	Pn	11:57:45.60			0.43
			Sn	58:08.65			-0.09
PKSM	213.7	70	Pn	11:57:45.85			-1.97
			Sn	58:13.81			0.35
MORH	214.0	70	Pn	11:57:46.95			-0.91
			Sn	58:14.71			1.17
MYKA	221.2	303	Pn	11:57:52.71			3.95
			Sn	58:18.51			3.38*
RONA	238.7	4	Pn	11:57:51.85			0.91
SOP	239.3	9	Pn	11:57:51.56			0.54
CONA	263.8	357	Pn	11:57:54.81			0.74
			Sn	58:23.71			-0.88
MOA	289.0	332	Sn	11:58:29.46			-0.71

Hypocenter Parameters

Földrengés paraméterek

153.

2023-02-23 time: 12:18:37.68 UTC ML= 1.6
 lat: 47.852N lon: 19.136E h= 0.0 km
 erh= 5.5km erz= 843km
 nr= 6 gap=211 rms=0.49
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	12.9	122	Pg	12:18:40.35	0.37
			Sg	18:41.64	-0.13
PSZ	57.2	83	Pg	12:18:48.27	0.38
			Sg	18:54.85	-1.01
PKSG	75.9	228	Sg	12:19:01.89	0.10
PKST	105.9	232	Sg	12:19:10.66	-0.69

154.

2023-02-23 time: 12:28:11.00 UTC ML= 1.6
 lat: 47.868N lon: 16.054E h= 0.0 km
 erh= 2.8km erz= 3.8km
 nr= 12 gap= 76 rms=0.96
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.9	295	Pg	12:28:14.29	0.45
			Sg	28:16.91	0.86
RONA	26.0	136	Pg	12:28:16.48	0.84
			Sg	28:19.61	0.34
SOP	43.0	118	Sg	12:28:24.03	-0.63
ARSA	79.4	210	Sg	12:28:34.80	-1.43
MODS	107.1	58	Pg	12:28:30.73	0.62
			Sg	28:44.34	-0.69
KRUC	135.2	11	Pn	12:28:34.64	-0.25
			Sn	28:51.07	-2.45
VRAC	165.1	14	Sn	12:28:58.51	-1.65
KBA	222.3	247	Sn	12:29:14.16	1.30

155.

2023-02-23 time: 13:07:34.10 UTC ML= 1.5
 lat: 48.574N lon: 21.540E h= 0.0 km
 erh= 6.2km erz= ***km
 nr= 6 gap=198 rms=0.75
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	38.1	216	Pg	13:07:41.14	0.24
			Sg	07:44.89	-1.32
KOLS	67.1	53	Pg	13:07:46.49	0.41
			Sg	07:53.89	-1.54
TRPA	89.0	124	Pg	13:07:50.68	0.69
			Sg	08:02.19	-0.20

156.

2023-02-24 time: 9:07:23.97 UTC ML= 1.7
 lat: 48.591N lon: 20.808E h= 0.0 km
 erh= 7.7km erz= 8.8km
 nr= 6 gap=208 rms=0.99
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.8	136	Pg	9:07:32.98	0.82
			Sg	07:38.31	-0.23
PSZ	101.0	222	Pg	9:07:42.85	0.84
			Sg	07:54.60	-1.48
KOLS	114.2	71	Sg	9:07:59.85	-0.44
TRPA	138.2	112	Sn	9:08:05.33	-1.83

157.

2023-02-24 time: 10:20:57.55 UTC ML= 0.9
 lat: 47.236N lon: 18.245E h= 0.0 km
 erh= 3.6km erz= 500km
 nr= 7 gap=230 rms=0.33
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.1	5	Pg	10:21:00.14	0.06
			Sg	21:02.45	0.40
PKST	16.2	279	Pg	10:21:00.02	-0.42
			Sg	21:02.45	-0.24
PKSG	20.5	32	Pg	10:21:01.04	-0.17
			Sg	21:03.97	-0.09
MPLH	54.0	262	Pg	10:21:07.73	0.54

158.

2023-02-24 time: 11:17:57.84 UTC ML= 1.9
 lat: 46.088N lon: 16.766E h= 14.1 km
 erh= 6.3km erz= 4.4km
 nr= 9 gap=167 rms=1.03
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	56.4	315	Pg	11:18:09.01	0.79
			Sg	18:15.22	-1.10
PTJ	66.0	252	Pg	11:18:09.80	-0.09
			Sg	18:17.74	-1.55
CRES	105.6	254	Pn	11:18:18.19	1.96
			Sn	18:30.25	-0.32
GROS	105.9	293	Sn	11:18:29.83	-0.81
PKSM	145.6	85	Pn	11:18:21.02	-0.20
MORH	145.8	84	Sn	11:18:38.56	-0.95

159.

2023-02-24 time: 14:36:34.94 UTC ML= 1.7
 lat: 45.519N lon: 17.280E h= 0.0 km
 erh= 4.1km erz= 4.5km
 nr= 11 gap=124 rms=1.12
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BLY	85.9	185	Pg	14:36:51.28	1.01
			Sg	37:00.48	-1.75
PKSV	86.1	61	Pg	14:36:51.16	0.84
			Sg	37:02.08	-0.23
KOVH	89.8	45	Pg	14:36:52.36	1.38
			Sg	37:03.14	-0.35
PTJ	111.4	292	Sg	14:37:08.93	-1.40
			Pn	14:36:58.33	0.05
PKSM	130.8	54	Sn	37:14.45	-2.03
			Pn	14:36:58.39	0.06
MORH	131.2	54	Pn	14:36:58.39	0.06
			Sn	37:14.36	-2.22

160.

2023-02-25 time: 8:27:17.59 UTC ML= 0.7
 lat: 46.169N lon: 18.296E h= 0.0 km
 erh= 1.4km erz= 267km
 nr= 8 gap=200 rms=0.20
 Locality: Zobákpuszta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.6	239	Pg	8:27:20.77	0.03
			Sg	27:23.51	0.31
PKSM	27.1	80	Pg	8:27:22.33	-0.10
			Sg	27:26.94	0.74

Földrengés paraméterek

MORH 27.4 79 Pg 8:27:22.33 -0.15
 Sg 27:26.32 0.03
 PKSV 31.4 186 Pg 8:27:23.26 0.06
 Sg 27:27.26 -0.31

161.

2023-02-26 time: 6:27:10.02 UTC ML= 1.1
 lat: 47.985N lon: 16.511E h= 14.4 km
 erh= 2.6km erz= 3.0km
 nr= 11 gap=121 rms=0.54
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	33.7	174	Pg	6:27:16.96			0.41
			Sg	27:21.15			-0.50
RONA	35.5	207	Pg	6:27:17.30			0.44
			Sg	27:21.55			-0.65
CONA	48.9	263	Pg	6:27:19.62			0.49
			Sg	27:25.65			-0.58
MODS	71.5	53	Pg	6:27:23.13			0.08
			Sg	27:32.26			-0.95
ABNA	110.5	314	Pn	6:27:29.35			0.35
			Sn	27:41.89			-1.91
KRUC	120.1	356	Sn	6:27:45.75			-0.18

162.

2023-02-26 time: 8:52:01.92 UTC ML= 2.4
 lat: 46.138N lon: 16.660E h= 10.0 km
 erh= 3.1km erz= 2.5km
 nr= 12 gap=147 rms=0.61
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	46.7	318	Pg	8:52:11.08			0.62
			Sg	52:16.44			-0.67
GROS	96.2	292	Pg	8:52:19.14			-0.05
			Sg	52:31.04			-1.61
CRES	99.4	250	Pg	8:52:20.16			0.39
			Sg	52:32.92			-0.77
KOVH	111.5	93	Pn	8:52:21.33			-0.25
			Sn	52:36.35			-0.56
PKSV	126.4	103	Sn	8:52:40.07			-0.15
PERS	131.0	295	Pn	8:52:24.93			0.92
			Sn	52:40.82			-0.41
SOKA	138.8	296	Sn	8:52:43.52			0.56

163.

2023-02-27 time: 1:15:39.58 UTC ML= 3.0
 lat: 48.397N lon: 22.494E h= 8.3 km
 erh= 1.8km erz= 1.6km
 nr= 36 gap= 31 rms=0.90
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
MUKU	15.6	66	Pg	1:15:41.15			-1.59
TRPA	29.8	174	PgU	1:15:45.59			0.49
			Sg	15:50.14			0.73
UZH	30.0	330	PgU	1:15:45.00			-0.14
			Sg	15:49.22			-0.26
BRIU	39.5	100	Pg	1:15:46.98			0.19
			Sg	15:52.96			0.55
TRSU	48.0	134	Pg	1:15:48.24			-0.04
KOLS	61.8	345	PgD	1:15:51.45			0.73
MEZ	76.5	80	Pg	1:15:53.48			0.15
			Sg	16:04.03			-0.02
ABAH	93.7	263	PgD	1:15:55.88			-0.50
			Sg	16:07.39			-2.09
BMR	109.9	137	Pn	1:15:58.69			-0.56
			Sn	16:12.61			-1.98

Hypocenter Parameters

LTVH	120.9	202	Pn	1:16:00.50			-0.13
			Sn	16:16.33			-0.72
RAKU	131.0	108	Pn	1:16:02.06			0.17
			Sn	16:17.98			-1.31
KWP	138.2	6	Pn	1:16:03.29			0.51
			Sn	16:20.70			-0.17
DRGR	179.2	175	Pn	1:16:08.44			0.55
			Sn	16:29.63			-0.34
LVV	193.9	35	Sn	1:16:36.63			3.38
NIE	196.2	305	Pn	1:16:12.35			2.34
			Sn	16:33.70			-0.05
PSZ	200.6	255	Pn	1:16:13.47			2.91
			Sn	16:38.64			3.91
CJR	204.8	156	Pn	1:16:11.60			0.52
			Sn	16:39.81			4.16*
BSZH	206.6	234	Pn	1:16:11.47			0.17
LANS	237.7	291	Pn	1:16:15.67			0.48
PENC	248.6	254	Pn	1:16:16.39			-0.16
OJC	282.0	316	Pn	1:16:19.63			-1.08
			Sn	16:50.78			-2.02
PKS6	297.7	228	Sn	1:16:54.36			-1.92*
BZS	316.2	192	Sn	1:16:58.41			-1.97*
SRO	318.1	258	ePn	1:16:22.90			-2.31*
PKST	357.1	249	Pn	1:16:29.46			-0.61*
JAVC	359.3	278	Pn	1:16:30.38			0.03*
SMOL	374.9	272	Pn	1:16:31.85			-0.45*
MORC	392.9	293	Pn	1:16:34.42			-0.12*
			Sn	17:15.43			-1.99*
VRAC	444.8	283	Pn	1:16:40.40			-0.61*
			Sn	17:27.83			-1.09*
KRUC	454.8	279	Pn	1:16:41.81			-0.44*
			Sn	17:30.03			-1.11*
KRLC	456.0	294	Pn	1:16:41.97			-0.44*
			Sn	17:29.32			-2.09*
WINA	478.0	266	Pn	1:16:44.60			-0.54*
CONA	496.2	264	Pn	1:16:46.47			-0.95*
ABNA	522.4	273	Pn	1:16:49.76			-0.93*
			Sn	17:42.70			-3.45*
UPC	525.4	297	ePn	1:16:50.90			-0.16*
KHC	660.6	277	ePn	1:17:07.20			-0.72*

164.

2023-02-27 time: 3:00:17.26 UTC ML= 2.3
 lat: 45.946N lon: 16.182E h= 10.0 km
 erh= 1.3km erz= 1.1km
 nr= 31 gap= 79 rms=0.61
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTU	18.1	254	Pg	3:00:20.86			-0.10
			Sg	00:23.77			-0.07
ZAG	19.6	228	Pg	3:00:21.36			0.18
			Sg	00:24.96			0.72
RCF6	46.4	338	Pg	3:00:25.92			0.19
			Sg	00:32.69			0.36
KOGS	56.1	5	Pg	3:00:27.30			-0.13
			Sg	00:35.30			-0.06
CRES	57.9	257	Pg	3:00:27.59			-0.15
			Sg	00:35.32			-0.60
BEHE	74.1	38	Sg	3:00:40.27			-0.76
GROS	77.7	317	Pg	3:00:31.30			0.06
			Sg	00:41.32			-0.83
R93E	82.0	138	Pg	3:00:31.90			-0.12
PERS	112.3	313	Pn	3:00:36.57			-0.45
			Sn	00:50.65			-1.79
SOKA	120.3	313	Sn	3:00:52.79			-1.40
OBKA	140.7	296	Pn	3:00:41.76			1.20
			Sn	00:58.93			0.20
KOVH	149.4	84	Pn	3:00:42.98			1.34
			Sn	01:00.04			-0.61
ARSA	153.6	341	Pn	3:00:42.49			0.33
			Sn	01:01.45			-0.13
BLY	154.5	149	Pn	3:00:42.11			-0.17

Hypocenter Parameters

Földrengés paraméterek

		Sn	01:00.82	-0.97	
PKSV	160.7	92	Sn	3:01:02.47	-0.70
PKS9	176.6	66	Pn	3:00:45.45	0.41
MORH	192.8	81	Sn	3:01:10.61	0.32
RONA	195.1	3	Pn	3:00:48.42	1.07
SOP	195.3	8	Pn	3:00:48.07	0.71
CONA	221.7	354	Pn	3:00:50.82	0.16
		Sn	01:22.00	5.29*	

165.

2023-02-27 time: 7:59:09.01 UTC ML= 1.6
 lat: 48.339N lon: 21.473E h= 0.0 km
 erh= 6.1km erz= 7.8km
 nr= 7 gap=147 rms=1.06
 Locality: Komlóska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	17.9	255	Pg	7:59:13.32	1.10
			Sg	59:15.88	1.16
TRPA	82.5	106	Sg	7:59:34.90	-0.35
KOLS	88.6	42	Pg	7:59:25.00	0.17
			Sg	59:37.14	-0.03
PSZ	126.5	248	Sg	7:59:47.15	-2.06
MEZ	152.3	83	Sn	7:59:53.73	-1.61

166.

2023-02-27 time: 11:32:22.49 UTC ML= 1.3
 lat: 47.491N lon: 18.701E h= 0.0 km
 erh= 2.5km erz= 5.7km
 nr= 13 gap= 92 rms=0.80
 Locality: Herceghalom
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PBUD	23.6	97	Sg	11:32:30.48	0.49
BUD	24.3	92	Sg	11:32:30.67	0.46
PKSG	25.9	245	Pg	11:32:28.09	0.97
			Sg	32:30.83	0.11
CSKK	36.2	247	Pg	11:32:29.81	0.86
			Sg	32:34.16	0.17
SRO	46.2	321	Sg	11:32:36.70	-0.48
PENC	54.9	53	Sg	11:32:39.71	-0.22
PKST	56.6	243	Pg	11:32:32.59	-0.01
			Sg	32:39.79	-0.69
MPLH	94.8	248	Sg	11:32:51.10	-1.52
PSZ	101.4	62	Sg	11:32:53.60	-1.11
MORH	141.8	182	Sn	11:33:04.56	-1.92

167.

2023-02-27 time: 12:36:58.02 UTC ML= 2.2
 lat: 46.142N lon: 16.407E h= 0.0 km
 erh= 3.9km erz= 9.5km
 nr= 14 gap=194 rms=1.15
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOGS	36.1	341	Pg	12:37:06.14	1.67
			Sg	37:10.21	0.71
PTJ	43.9	232	Pg	12:37:05.59	-0.28
			Sg	37:11.46	-0.53
BEHE	46.2	38	Pg	12:37:06.10	-0.18
			Sg	37:10.95	-1.77
GROS	78.2	297	Pg	12:37:13.01	1.02
			Sg	37:21.56	-1.33
CRES	81.6	245	Pg	12:37:13.78	1.20
			Sg	37:24.53	0.59
PERS	113.4	299	Pg	12:37:18.20	-0.07
			Sg	37:32.59	-1.48
SOKA	121.3	299	Sg	12:37:34.71	-1.87
ARSA	140.6	331	Sn	12:37:38.70	-3.04

168.

2023-02-27 time: 13:24:57.32 UTC ML= 1.8
 lat: 48.382N lon: 19.830E h= 0.0 km
 erh= 4.3km erz= ***km
 nr= 7 gap=168 rms=0.72
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	51.8	175	Pg	13:25:07.02	0.45
			Sg	25:12.97	-0.82
LANS	89.5	343	Sg	13:25:25.65	-0.10
ABAH	105.0	95	Pg	13:25:16.65	0.59
			Sg	25:29.40	-1.28
NIE	120.6	17	Pg	13:25:19.39	0.54
			Sg	25:34.41	-1.23

169.

2023-02-28 time: 8:25:18.82 UTC ML= 1.5
 lat: 47.096N lon: 17.986E h= 0.0 km
 erh= 1.2km erz= 369km
 nr= 8 gap=118 rms=0.26
 Locality: Litér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.5	11	Sg	8:25:24.68	-0.01
TIH	22.9	198	Pg	8:25:23.23	0.32
MPLH	34.9	284	Pg	8:25:25.07	0.02
			Sg	25:29.57	-0.34
CSKK	36.2	35	Pg	8:25:25.46	0.18
			Sg	25:30.10	-0.23
MORH	110.1	153	Pg	8:25:38.37	-0.10
			Sg	25:52.48	-1.32

170.

2023-02-28 time: 9:41:50.07 UTC ML= 2.2
 lat: 47.863N lon: 19.874E h= 0.0 km
 erh= 8.2km erz= 7.7km
 nr= 10 gap=180 rms=1.29
 Locality: Gyöngyösoroszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	6.3	14	Pg	9:41:51.79	0.58
			Sg	41:52.67	0.58
PENC	45.0	260	Pg	9:41:58.91	0.79
			Sg	42:05.21	0.82
ABAH	112.6	65	Pg	9:42:10.14	-0.04
			Sg	42:24.39	-1.47
PKSG	123.2	245	Sg	9:42:26.11	-3.11
LANS	146.3	348	Pn	9:42:14.06	-1.28
			Sn	42:33.47	-1.59
JAVC	197.3	304	Pn	9:42:23.61	1.90

171.

2023-02-28 time: 10:03:09.27 UTC ML= 2.1
 lat: 48.535N lon: 17.458E h= 0.0 km
 erh= 1.9km erz= 4.7km
 nr= 10 gap=191 rms=0.44
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.2	221	Pg	10:03:09.93	0.09
			Sg	03:10.71	0.42
MODS	22.4	217	Pg	10:03:13.22	-0.04
			Sg	03:17.05	0.67
JAVC	39.3	24	Pg	10:03:16.03	-0.25

Földrengés paraméterek

ZST 46.0 215 Sg 03:22.41 0.66
 Pg 10:03:17.56 0.08
 Sg 03:23.59 -0.29
 KRUC 97.6 307 Sg 10:03:39.40 -0.87
 CONA 136.4 240 Sn 10:03:50.38 -1.69

172.

2023-02-28 time: 10:30:23.24 UTC ML= 0.6
 lat: 47.203N lon: 18.296E h= 0.0 km
 erh= 1.3km erz= 323km
 nr= 7 gap=147 rms=0.22
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.0	352	Pg	10:30:26.37	-0.09
			Sg	30:28.60	-0.37
PKST	20.8	288	Pg	10:30:27.23	0.28
			Sg	30:29.81	-0.03
PKSG	22.2	19	Pg	10:30:27.31	0.10
			Sg	30:30.44	0.14
MORH	112.9	166	Sg	10:30:58.69	-0.44

173.

2023-02-28 time: 11:00:45.34 UTC ML= 1.9
 lat: 48.157N lon: 16.900E h= 0.0 km
 erh= 8.8km erz= 893km
 nr= 6 gap=188 rms=0.53
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.6	74	Pg	11:00:48.53	0.40
			Sg	00:50.01	-0.30
MODS	36.9	49	Pg	11:00:52.36	0.43
			Sg	00:56.35	-0.72
RONA	68.0	222	Pg	11:00:57.60	0.11
			Sg	01:05.66	-1.30

174.

2023-02-28 time: 11:12:49.90 UTC ML= 1.9
 lat: 48.827N lon: 21.646E h= 0.0 km
 erh= 1.6km erz= 426km
 nr= 6 gap=131 rms=0.25
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	47.5	76	Pg	11:12:58.53	0.15
			Sg	13:04.56	-0.43
ABAH	66.2	207	Sg	11:13:10.82	-0.13
TRPA	101.7	140	Pg	11:13:08.39	0.32
			Sg	13:21.93	-0.31
NIE	117.5	304	Pg	11:13:10.82	-0.06

175.

2023-02-28 time: 11:15:45.57 UTC ML= 2.1
 lat: 48.827N lon: 21.633E h= 0.0 km
 erh= 1.9km erz= 3.3km
 nr= 13 gap= 97 rms=0.64
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	48.4	76	Pg	11:15:54.22	0.02
			Sg	16:00.25	-0.69
ABAH	65.9	206	Sg	11:16:06.27	-0.23
TRPA	102.4	139	Pg	11:16:04.40	0.54
			Sg	16:17.54	-0.58
BRIU	115.9	118	Sg	11:16:22.32	-0.08

Hypocenter Parameters

NIE 116.7 304 Pg 11:16:06.98 0.58
 Sg 16:22.16 -0.49
 KWP 118.8 41 Pg 11:16:07.60 0.82
 Sg 16:21.53 -1.80
 LANS 162.5 283 Pn 11:16:13.24 0.37
 Sn 16:33.04 -1.12
 PSZ 163.8 232 Sn 11:16:33.59 -0.84

176.

2023-02-28 time: 18:52:10.48 UTC ML= 1.8
 lat: 45.746N lon: 21.556E h= 17.2 km
 erh= 1.6km erz= 0.9km
 nr= 6 gap=178 rms=0.14
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	15.1	162	Pg	18:52:14.36	-0.20
			Sg	52:17.88	0.13
BANR	52.1	219	Pg	18:52:20.23	-0.04
			Sg	52:28.06	0.16
GZR	103.0	112	Sn	18:52:41.98	0.02
DRGR	146.4	37	Sn	18:52:51.78	0.19

177.

2023-03-01 time: 7:59:32.09 UTC ML= 1.8
 lat: 46.025N lon: 22.781E h= 0.0 km
 erh= 2.6km erz= 716km
 nr= 8 gap=153 rms=0.52
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.4	149	Pg	7:59:35.38	0.01
			Sg	59:37.41	-0.51
GZR	70.2	180	Pg	7:59:44.70	0.08
			Sg	59:53.93	-0.47
DRGR	85.4	356	Pg	7:59:48.14	0.80
			Sg	59:58.32	-0.92
BZS	101.3	243	Pg	7:59:50.57	0.40
			Sg	8:00:03.56	-0.71

178.

2023-03-01 time: 9:56:17.81 UTC ML= 1.7
 lat: 46.827N lon: 17.527E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 7 gap=233 rms=0.70
 Locality: Salföld
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	38.2	1	Pg	9:56:24.32	-0.30
			Sg	56:28.78	-1.16
PKST	61.6	39	Pg	9:56:29.56	0.76
			Sg	56:37.39	0.01
CSKK	81.6	43	Sg	9:56:44.90	1.17
PKSG	90.8	46	Sg	9:56:45.99	-0.67
MORH	109.4	128	Sg	9:56:52.33	-0.24

179.

2023-03-01 time: 11:07:20.37 UTC ML= 2.1
 lat: 47.960N lon: 20.032E h= 0.0 km
 erh= 2.7km erz= 2.3km
 nr= 19 gap=102 rms=0.84
 Locality: Mátraballa
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	11.3	246	Pg	11:07:21.98	-0.40
			Sg	07:23.70	-0.25

Hypocenter Parameters

PENC	59.2	251	Sg	11:07:38.73	-0.46
ABAH	97.3	67	Pg	11:07:37.79	0.04
			Sg	07:51.25	-0.06
PKSN	118.8	186	Sg	11:07:55.93	-2.21
PKSG	138.5	243	Pn	11:07:44.20	-0.47
			Sn	08:02.36	-1.27
LANS	138.8	343	Pn	11:07:44.52	-0.18
			Sn	08:02.83	-0.85
CSKK	148.7	243	Pn	11:07:47.47	1.53
NIE	163.5	7	Sn	11:08:09.93	0.75
PKST	169.2	243	Sn	11:08:11.42	0.98
TRPA	187.9	84	Sn	11:08:14.16	-0.43
MPLH	207.1	245	Sn	11:08:19.33	0.48
MORH	220.7	209	Pn	11:07:56.58	1.66
			Sn	08:22.01	0.14
PKSM	221.2	209	Pn	11:07:56.34	1.36
			Sn	08:21.94	-0.04

180.

2023-03-01 time: 11:09:02.69 UTC ML= 1.9
 lat: 48.037N lon: 20.012E h= 0.0 km
 erh= 5.9km erz= 7.0km
 nr= 11 gap=135 rms=1.42
 Locality: Ivád
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	15.8	214	Pg	11:09:05.45	-0.06
			Sg	09:07.72	0.01
PENC	61.1	243	Pg	11:09:13.63	0.04
ABAH	95.8	72	Pg	11:09:19.61	-0.18
			Sg	09:32.53	-0.60
LANS	130.2	342	Sg	11:09:44.73	0.66
CSKK	151.3	240	Sn	11:09:44.97	-3.81
PKST	171.9	240	Sn	11:09:52.33	-1.03
MORH	227.5	207	Pn	11:09:42.15	4.07
PKSM	228.0	207	Pn	11:09:41.53	3.39
			Sn	10:03.75	-2.05

181.

2023-03-01 time: 12:34:07.17 UTC ML= 2.1
 lat: 46.122N lon: 16.379E h= 13.0 km
 erh= 4.6km erz= 3.8km
 nr= 11 gap=154 rms=1.17
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	37.6	345	Pg	12:34:16.22	1.94
			Sg	34:19.09	-0.73
RCF6	40.0	306	Sg	12:34:18.58	-1.96
BEHE	49.3	38	Sg	12:34:21.36	-2.03
GROS	77.4	299	Sg	12:34:32.50	0.39
CRES	78.7	245	Pg	12:34:21.59	0.19
			Sg	34:32.31	-0.20
PERS	112.7	300	Sn	12:34:41.06	-0.67
SOKA	120.6	301	Sn	12:34:43.42	-0.07
KOVH	133.1	92	Pn	12:34:30.18	1.04
			Sn	34:45.29	-0.98

182.

2023-03-01 time: 14:04:50.27 UTC ML= 1.5
 lat: 48.701N lon: 22.415E h= 0.0 km
 erh= 2.5km erz= 974km
 nr= 12 gap= 95 rms=0.81
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
UZH	11.9	229	Sg	14:04:53.99	-0.06
KOLS	27.8	338	Pg	14:04:55.80	0.56
			Sg	04:59.04	-0.08

Földrengés paraméterek

MUKU	34.0	144	Pg	14:04:56.97	0.62
			Sg	05:01.19	0.11
STZU	38.2	24	Pg	14:04:57.87	0.78
			Sg	05:01.59	-0.83
TRPA	64.1	172	Pg	14:05:02.41	0.69
			Sg	05:08.98	-1.67
MEZ	83.7	104	Pg	14:05:04.99	-0.22
			Sg	05:15.48	-1.39
ABAH	97.8	243	Sg	14:05:19.55	-1.82

183.

2023-03-01 time: 18:35:05.94 UTC ML= 1.7
 lat: 48.088N lon: 17.291E h= 11.0 km
 erh= 1.6km erz= 1.4km
 nr= 17 gap=131 rms=0.51
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	18.5	311	PgD	18:35:10.24	0.47
			Sg	35:12.99	0.22
MODS	31.8	358	Pg	18:35:12.13	0.19
			Sg	35:15.96	-0.66
SMOL	48.4	12	Pg	18:35:14.71	-0.10
			Sg	35:20.74	-0.98
EGYH	74.7	178	Sg	18:35:30.16	0.24
RONA	86.0	240	Pg	18:35:21.63	0.21
			Sg	35:32.47	-1.03
JAVC	90.2	18	Pg	18:35:22.34	0.17
WINA	90.7	271	Sg	18:35:33.92	-1.07
PKST	107.8	149	Pn	18:35:25.13	0.12
			Sn	35:39.06	-0.82
CONA	108.1	261	Pn	18:35:25.74	0.69
			Sn	35:39.36	-0.60
KRUC	126.9	329	Pn	18:35:27.93	0.54
			Sn	35:43.74	-0.38

184.

2023-03-02 time: 2:13:12.80 UTC ML=-0.2
 lat: 47.355N lon: 18.160E h= 7.7 km
 erh= 2.0km erz= 0.8km
 nr= 6 gap=215 rms=0.04
 Locality: Nagyveleg
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.6	83	Pg	2:13:14.73	-0.01
			Sg	13:16.20	-0.05
PKST	14.3	222	Pg	2:13:15.73	0.03
			Sg	13:17.96	0.00
PKSG	17.9	77	Pg	2:13:16.24	-0.03
			Sg	13:19.06	0.07

185.

2023-03-02 time: 9:03:48.57 UTC ML= 1.4
 lat: 47.874N lon: 16.049E h= 0.0 km
 erh= 1.8km erz= 3.6km
 nr= 9 gap= 84 rms=0.68
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.3	293	Pg	9:03:52.21	0.91
			Sg	03:53.62	0.19
RONA	26.8	136	Pg	9:03:54.05	0.69
			Sg	03:57.14	0.05
ARSA	79.8	210	Pg	9:04:02.54	-0.29
			Sg	04:13.11	-0.84
MODS	107.0	59	Sg	9:04:22.66	0.09
KRUC	134.5	11	Pn	9:04:11.70	-0.68
			Sn	04:29.37	-1.58

Földrengés paraméterek

Hypocenter Parameters

186.

2023-03-02 time: 9:40:08.32 UTC ML= 2.0
 lat: 48.448N lon: 17.470E h= 0.0 km
 erh= 3.6km erz= 645km
 nr= 9 gap=206 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	7.9	338	PgU	9:40:09.82	0.08
			Sg	40:10.49	-0.35
MODS	16.5	240	Pg	9:40:11.72	0.46
			Sg	40:13.19	-0.37
ZST	39.1	224	Pg	9:40:15.59	0.29
			Sg	40:19.55	-1.19
JAVC	48.1	18	Pg	9:40:17.39	0.48
			Sg	40:22.35	-1.25
KRUC	104.4	311	Pg	9:40:26.90	-0.07

187.

2023-03-02 time: 9:48:10.43 UTC ML= 1.7
 lat: 48.602N lon: 20.791E h= 0.0 km
 erh= 2.7km erz= 5.5km
 nr= 7 gap=129 rms=0.73
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.6	136	Pg	9:48:19.42	0.49
			Sg	48:25.90	0.35
PSZ	101.0	221	Pg	9:48:28.97	0.50
			Sg	48:41.33	-1.22
LANS	114.6	302	Sg	9:48:46.81	-0.05
KOLS	115.1	71	Sg	9:48:46.84	-0.16
TRPA	139.8	112	Sn	9:48:52.00	-1.98

188.

2023-03-02 time: 10:07:11.72 UTC ML= 2.2
 lat: 48.261N lon: 21.275E h= 0.0 km
 erh= 4.8km erz= 6.9km
 nr= 10 gap=151 rms=1.11
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	4.7	326	PgU	10:07:13.35	0.78
			Sg	07:13.96	0.73
TRPA	95.1	99	Pg	10:07:28.95	0.24
			Sg	07:41.08	-0.87
KOLS	105.0	45	Pg	10:07:30.34	-0.13
			Sg	07:42.70	-2.39
PSZ	109.6	250	Pg	10:07:31.12	-0.18
			Sg	07:44.58	-2.00
LANS	165.8	307	Pn	10:07:41.29	1.86
			Sn	08:00.00	-1.04

189.

2023-03-02 time: 10:20:03.84 UTC ML= 2.0
 lat: 48.418N lon: 17.223E h= 0.0 km
 erh= 0.9km erz= 274km
 nr= 9 gap=120 rms=0.20
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.4	141	PgU	10:20:05.03	0.05
			Sg	20:05.94	0.08
SMOL	18.6	55	PgU	10:20:06.83	-0.33
			Sg	20:09.88	0.13
ZST	26.2	200	Sg	10:20:12.06	-0.11

JAVC	59.1	34	Pg	10:20:14.54	0.14
KRUC	94.0	320	Pg	10:20:20.86	0.23
			Sg	20:33.20	-0.52
VRAC	109.3	335	Pg	10:20:23.36	0.01

190.

2023-03-02 time: 13:17:00.16 UTC ML= 1.2
 lat: 47.533N lon: 18.419E h= 0.0 km
 erh= 1.3km erz= 1.0km
 nr= 8 gap=310 rms=0.70
 Locality: Vértessomló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	15.9	188	Pg	13:17:03.46	0.47
			Sg	17:06.13	0.93
CSKK	22.4	212	Pg	13:17:04.36	0.21
			Sg	17:07.38	0.12
PKST	42.1	224	Pg	13:17:07.69	0.02
			Sg	17:12.97	-0.56
MORH	147.5	173	Sn	13:17:43.73	-1.68
PKSM	147.9	173	Sn	13:17:43.73	-1.77

191.

2023-03-02 time: 23:35:08.06 UTC ML= 0.1
 lat: 47.308N lon: 18.205E h= 7.1 km
 erh= 4.7km erz= 2.9km
 nr= 6 gap=191 rms=0.09
 Locality: Bodajk
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.4	34	Pg	23:35:10.00	0.11
			Sg	35:11.13	-0.18
PKST	14.0	247	PgD	23:35:10.80	-0.06
			Sg	35:13.11	0.06
PKSG	16.8	56	Pg	23:35:11.33	0.01
			Sg	35:13.83	-0.03

192.

2023-03-03 time: 8:09:37.98 UTC ML= 1.7
 lat: 47.657N lon: 18.546E h= 0.0 km
 erh= 2.8km erz= 4.5km
 nr= 17 gap=119 rms=1.25
 Locality: Héreg
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	24.6	315	Pg	8:09:42.56	0.18
			Sg	09:45.06	-0.75
PKSG	31.7	202	Pg	8:09:44.47	0.82
			Sg	09:48.35	0.29
CSKK	39.1	213	Pg	8:09:45.80	0.83
			Sg	09:49.40	-1.02
PENC	57.1	75	Sg	8:09:57.00	0.86
PKST	58.7	221	Pg	8:09:49.88	1.41
			Sg	09:56.61	-0.04
MPLH	93.3	235	Pg	8:09:56.21	1.57
			Sg	10:06.90	-0.73
EGYH	95.3	254	Sg	8:10:08.15	-0.11
PSZ	105.1	74	Sg	8:10:09.72	-1.67
MODS	123.7	310	Sg	8:10:14.18	-3.13
MORH	160.4	177	Pn	8:10:04.94	-0.07
PKSM	160.8	177	Sn	10:23.65	-2.45
			Sn	8:10:23.41	-2.78

Hypocenter Parameters

Földrengés paraméterek

193.

2023-03-03 time: 8:51:49.51 UTC ML= 1.3
 lat: 48.084N lon: 20.726E h= 0.0 km
 erh= 3.2km erz= 672km
 nr= 6 gap=195 rms=0.41
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	44.9	58	Pg	8:51:57.82	0.29
			Sg	52:03.49	-0.29
KECS	47.9	338	Pg	8:51:58.48	0.42
			Sg	52:03.96	-0.77
PSZ	64.7	254	Pg	8:52:01.14	0.07
			Sg	52:09.44	-0.65

194.

2023-03-03 time: 9:24:13.10 UTC ML= 1.9
 lat: 48.681N lon: 20.767E h= 0.0 km
 erh= 5.3km erz= 609km
 nr= 6 gap=277 rms=0.37
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	30.2	223	Pg	9:24:18.85	0.35
			Sg	24:23.00	0.29
ABAH	55.3	141	Pg	9:24:23.09	0.12
			Sg	24:30.76	0.09
PSZ	106.7	217	Pg	9:24:31.77	-0.38
			Sg	24:46.10	-0.91

195.

2023-03-04 time: 9:07:46.81 UTC ML= 1.0
 lat: 46.200N lon: 18.271E h= 0.0 km
 erh= 1.0km erz= 384km
 nr= 12 gap=125 rms=0.32
 Locality: Komló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.1	227	Pg	9:07:50.19	0.14
			Sg	07:52.69	0.12
PKSM	28.7	87	Pg	9:07:52.26	0.33
			Sg	07:56.13	0.21
MORH	28.9	87	Pg	9:07:52.20	0.23
			Sg	07:55.39	-0.61
PKSV	34.7	182	Pg	9:07:53.02	0.02
			Sg	07:57.17	-0.66
PKS9	43.0	1	Sg	9:08:00.44	-0.04
			Sg	9:08:04.33	-0.48
PKST	119.1	351	Pg	9:08:08.12	0.04
			Sg	08:22.21	-2.46*

196.

2023-03-06 time: 7:48:07.70 UTC ML= 1.7
 lat: 48.281N lon: 21.570E h= 0.0 km
 erh= 3.5km erz= 3.9km
 nr= 8 gap=149 rms=0.79
 Locality: Sárospatak
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	24.6	274	Pg	7:48:12.26	0.16
			Sg	48:15.10	-0.43
TRPA	73.9	103	Sg	7:48:31.72	0.53
			Sg	7:48:34.80	0.57
KECS	83.5	286	Sg	7:48:34.80	0.57
			Pg	7:48:24.46	0.84
KOLS	89.2	36	Sg	48:35.00	-1.04
			Sg	48:35.00	-1.04
PSZ	131.2	252	Sn	7:48:48.50	-0.83

MEZ 146.2 80 Sn 7:48:50.55 -2.13

197.

2023-03-06 time: 8:01:08.08 UTC ML= 1.4
 lat: 47.587N lon: 18.686E h= 0.0 km
 erh= 2.8km erz= 252km
 nr= 6 gap=241 rms=0.15
 Locality: Szomor
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	27.9	114	Pg	8:01:13.03	-0.03
			Sg	01:17.10	0.16
PBUD	28.0	119	Sg	8:01:16.63	-0.36
			Pg	8:01:15.39	0.06
CSKK	40.6	232	Sg	01:21.19	0.20
			Sg	8:01:27.41	-0.14
PKST	61.2	233	Sg	8:01:27.41	-0.14

198.

2023-03-06 time: 8:43:28.30 UTC ML= 1.2
 lat: 47.052N lon: 18.056E h= 0.0 km
 erh= 1.3km erz= 509km
 nr= 15 gap=120 rms=0.44
 Locality: Balatonfűzfő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	20.9	216	Pg	8:43:32.19	0.16
			Sg	43:34.90	-0.05
PKST	23.1	356	Pg	8:43:32.17	-0.25
			Sg	43:35.32	-0.32
CSKK	37.9	24	Pg	8:43:35.34	0.27
			Sg	43:40.00	-0.35
MPLH	41.3	289	Pg	8:43:36.24	0.56
			Sg	43:40.90	-0.54
PKSG	45.5	34	Pg	8:43:36.48	0.05
			Pg	8:43:47.13	0.39
MORH	103.3	154	Sg	43:59.54	-1.58
			Pg	8:43:46.70	-0.09
PKSM	103.6	154	Sg	43:59.35	-1.87
			Pg	8:43:47.81	0.38
KOVH	107.2	178	Pg	8:43:47.81	0.38
			Sg	44:01.87	-0.49

199.

2023-03-06 time: 8:51:03.46 UTC ML= 1.7
 lat: 48.513N lon: 19.394E h= 0.0 km
 erh= 4.7km erz= 6.9km
 nr= 9 gap=178 rms=1.02
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	71.1	4	Sg	8:51:25.33	-0.74
			Pg	8:51:17.63	0.63
PSZ	75.8	151	Sg	51:27.33	-0.23
			Pg	8:51:18.83	0.96
KECS	80.7	92	Sg	51:28.74	-0.38
			Sg	8:51:28.55	-0.57
PENC	80.7	186	Sg	8:51:26.11	1.02
			Pg	51:40.28	-1.69
NIE	121.2	34	Sg	51:40.28	-1.69
			Sg	8:51:44.50	-2.27
ABAH	138.7	100	Sn	8:51:44.50	-2.27

200.

2023-03-06 time: 9:20:26.36 UTC ML= 1.8
 lat: 48.667N lon: 21.425E h= 0.0 km
 erh= 4.1km erz= 5.5km
 nr= 14 gap= 85 rms=1.25
 Locality: Slovakia
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ABAH	43.5	198	Pg	9:20:34.19	0.07
			Sg	20:38.89	-1.29
KECS	72.3	254	Pg	9:20:39.86	0.59
			Sg	20:48.62	-0.72
STZU	96.1	66	Pg	9:20:44.79	1.27
TRPA	101.8	126	Pg	9:20:44.55	0.01
			Sg	20:57.07	-1.65
NIE	116.6	316	Pg	9:20:47.37	0.18
			Sg	21:00.60	-2.83
PSZ	140.8	234	Pn	9:20:52.22	1.27
			Sn	21:09.18	-0.96
KWP	142.3	41	Sn	9:21:05.29	-5.17
LANS	153.2	291	Pn	9:20:54.23	1.73
			Sn	21:10.82	-2.07

201.

2023-03-06 time: 10:42:41.21 UTC ML= 1.6
 lat: 48.610N lon: 20.762E h= 0.0 km
 erh= 2.7km erz= 712km
 nr= 8 gap=130 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.8	235	Pg	10:42:45.78	0.14
			Sg	42:49.06	-0.04
ABAH	49.6	135	Pg	10:42:50.51	0.44
			Sg	42:56.85	-0.14
PSZ	100.3	220	Pg	10:42:59.32	0.20
			Sg	43:11.60	-1.50
LANS	112.4	302	Pg	10:43:01.47	0.19
KOLS	116.7	72	Sg	10:43:17.12	-1.19

202.

2023-03-06 time: 13:05:41.05 UTC ML= 2.0
 lat: 47.098N lon: 19.386E h= 0.0 km
 erh= 3.7km erz= 5.5km
 nr= 12 gap=187 rms=0.53
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.0	252	Pg	13:05:44.21	-0.06
			Sg	05:46.05	-0.73
PKB1	57.1	232	Pg	13:05:51.76	0.51
PENC	77.4	354	Pg	13:05:55.64	0.76
PKB4	89.7	222	Pg	13:05:57.67	0.61
			Pg	13:05:58.50	-0.22
PKS9	101.8	236	Sg	06:11.21	-1.29
			Pg	13:05:58.93	-0.30
MORH	113.3	210	Pg	13:06:01.12	-0.16
PKSM	113.8	210	Pg	13:06:01.16	-0.21
			Sg	06:14.77	-2.45*
KOVH	149.4	221	Pn	13:06:06.87	0.16

203.

2023-03-07 time: 9:10:13.33 UTC ML= 1.3
 lat: 47.844N lon: 16.069E h= 0.0 km
 erh= 1.9km erz= 2.2km
 nr= 8 gap=123 rms=1.11
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.1	301	Pg	9:10:17.48	0.91
			Sg	10:19.75	0.66
RONA	23.4	133	Pg	9:10:18.34	0.84
			Sg	10:21.63	0.87
ARSA	77.8	212	Sg	9:10:37.13	-0.92
KRUC	137.5	10	Pn	9:10:37.28	-0.23
			Sn	10:54.11	-2.26

KOGS 155.8 175 Sn 9:10:58.33 -2.10

204.

2023-03-07 time: 10:01:26.95 UTC ML= 1.8
 lat: 48.541N lon: 17.597E h= 0.0 km
 erh= 2.2km erz= 2.4km
 nr= 9 gap=223 rms=0.70
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	12.8	257	Pg	10:01:29.19	-0.05
			Sg	01:31.12	0.10
MODS	30.1	232	Pg	10:01:33.10	0.78
			Sg	01:37.64	1.13
JAVC	35.8	9	Pg	10:01:33.42	0.07
			Sg	01:38.79	0.45
KRUC	105.7	303	Sg	10:01:59.53	-1.00
CONA	145.8	242	Pn	10:01:51.26	-0.90
			Sn	02:10.51	-1.32

205.

2023-03-07 time: 10:56:41.13 UTC ML= 1.0
 lat: 47.202N lon: 18.280E h= 0.0 km
 erh= 2.1km erz= 628km
 nr= 9 gap=144 rms=0.47
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.0	355	Pg	10:56:44.21	-0.14
			Sg	56:46.95	0.09
PKST	19.7	289	Pg	10:56:44.53	-0.12
			Sg	56:47.42	0.03
PKSG	22.7	22	Sg	10:56:48.09	-0.26
MORH	113.1	166	Pg	10:57:01.82	0.49
			Sg	57:15.56	-1.52
PKSM	113.5	166	Pg	10:57:01.98	0.58
			Sg	57:16.46	-0.74

206.

2023-03-07 time: 12:40:35.74 UTC ML= 1.8
 lat: 47.074N lon: 19.429E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 9 gap=192 rms=0.84
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	20.6	262	Pg	12:40:40.12	0.70
			Sg	40:42.19	-0.10
PENC	80.5	352	Pg	12:40:50.76	0.65
PSZ	100.2	20	Pg	12:40:53.66	0.02
			Sg	41:05.09	-2.51
MORH	112.7	212	Pg	12:40:56.16	0.29
PKSM	113.2	212	Sg	41:09.90	-1.68
			Pg	12:40:56.32	0.36
Sg	41:10.44	-1.29			

207.

2023-03-07 time: 12:53:39.45 UTC ML= 1.8
 lat: 47.076N lon: 19.418E h= 0.0 km
 erh= 3.7km erz= 628km
 nr= 6 gap=191 rms=0.41
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.8	261	Pg	12:53:43.29	0.30
			Sg	53:45.79	0.04

Hypocenter Parameters

PENC 80.2 353 Pg 12:53:54.17 0.40
 PSZ 100.3 21 Pg 12:53:56.83 -0.54
 PKSM 112.9 212 Pg 12:53:59.76 0.14
 Sg 54:14.52 -0.83

208.

2023-03-07 time: 13:05:11.16 UTC ML= 1.6
 lat: 48.968N lon: 20.680E h= 0.0 km
 erh= 8.9km erz= ***km
 nr= 6 gap=245 rms=0.75
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	55.8	195	Pg	13:05:21.55	0.43
			Sg	05:29.22	0.33
ABAH	85.3	151	Pg	13:05:27.19	0.79
			Sg	05:37.36	-0.92
KOLS	116.7	92	Sg	13:05:47.46	-0.81
PSZ	130.4	206	Sg	13:05:51.45	-1.15

209.

2023-03-07 time: 13:08:05.67 UTC ML= 1.9
 lat: 47.066N lon: 19.427E h= 0.0 km
 erh= 3.7km erz= 688km
 nr= 7 gap=192 rms=0.45
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	20.4	264	Pg	13:08:09.53	0.22
			Sg	08:11.76	-0.38
PENC	81.3	352	Pg	13:08:20.64	0.44
PSZ	101.1	20	Pg	13:08:23.18	-0.55
MORH	111.9	212	Pg	13:08:25.92	0.27
PKSM	112.4	212	Pg	13:08:25.80	0.06
			Sg	08:39.46	-1.94

210.

2023-03-07 time: 20:03:48.41 UTC ML= 1.2
 lat: 45.778N lon: 17.999E h= 17.4 km
 erh= 2.0km erz= 0.8km
 nr= 8 gap=241 rms=0.18
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	23.2	58	Sg	20:03:58.28	0.67
KOVH	35.3	13	Pg	20:03:55.17	-0.27
			Sg	04:00.96	0.03
PKSM	69.3	46	P*	20:04:01.08	0.01
			S*	04:11.00	0.06
MORH	69.7	46	P*	20:04:01.20	0.06
			S*	04:11.02	-0.05
KOGS	154.4	299	Sn	20:04:31.34	0.10

211.

2023-03-08 time: 3:02:34.56 UTC ML= 1.6
 lat: 48.697N lon: 21.712E h= 0.0 km
 erh= 2.0km erz= 4.7km
 nr= 11 gap= 82 rms=0.59
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	48.9	58	Pg	3:02:42.99	-0.29
			Sg	02:51.15	1.06
ABAH	56.7	218	Pg	3:02:45.57	0.89
			Sg	02:52.85	0.28
STHS	87.0	337	Pg	3:02:50.33	0.23

Földrengés paraméterek

TRPA 87.9 136 Pg 03:01:59 -0.64
 Sg 3:02:50.26 0.01
 KECS 93.6 255 Pg 03:01:80 -0.69
 Sg 3:02:50.97 -0.30
 Sg 03:02.81 -1.49
 PSZ 160.3 237 Sn 3:03:22.73 0.08

212.

2023-03-08 time: 7:38:20.70 UTC ML= 1.8
 lat: 46.013N lon: 22.827E h= 0.0 km
 erh= 5.4km erz= 9.4km
 nr= 9 gap=116 rms=1.05
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	15.5	158	Pg	7:38:24.00	0.53
			Sg	38:24.72	-0.91
GZR	68.9	183	Pg	7:38:34.03	1.03
			Sg	38:41.16	-1.45
DRGR	87.1	354	Sg	7:38:46.52	-1.85
BZS	103.8	245	Pg	7:38:40.02	0.78
			Sg	38:52.72	-0.98
VOIR	184.5	110	Pn	7:38:51.62	0.89
			Sn	39:12.83	-1.33

213.

2023-03-08 time: 8:34:17.19 UTC ML= 1.7
 lat: 46.820N lon: 17.334E h= 0.0 km
 erh= 9.0km erz= ***km
 nr= 8 gap=216 rms=1.12
 Locality: Lesencefalú
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.9	22	Sg	8:34:28.68	-1.84
EGYH	66.4	360	Sg	8:34:38.57	0.28
PKST	72.2	47	Pg	8:34:31.84	1.76
			Sg	34:39.46	-0.68
CSKK	92.7	49	Pg	8:34:34.66	0.92
			Sg	34:45.49	-1.16
KOVH	100.4	144	Pg	8:34:34.46	-0.66
			Sg	34:48.54	-0.56

214.

2023-03-08 time: 8:52:41.82 UTC ML= 1.7
 lat: 46.028N lon: 22.767E h= 0.0 km
 erh= 2.8km erz= 5.9km
 nr= 10 gap=114 rms=0.69
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.2	147	Pg	8:52:45.51	0.25
			Sg	52:47.86	-0.08
GZR	70.5	179	Pg	8:52:54.98	0.56
			Sg	53:03.20	-1.04
DRGR	85.0	357	Pg	8:52:57.64	0.63
			Sg	53:07.81	-1.04
BZS	100.4	243	Pg	8:53:00.14	0.39
			Sg	53:12.51	-1.22
VOIR	189.5	110	Pn	8:53:12.51	0.03
			Sn	53:34.58	-1.81

Földrengés paraméterek

Hypocenter Parameters

215.

2023-03-08 time: 9:37:26.87 UTC ML= 1.8
 lat: 48.819N lon: 18.973E h= 0.0 km
 erh= 3.5km erz= ***km
 nr= 9 gap=132 rms=0.91
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	51.7	44	Pg	9:37:36.33	0.24
			Sg	37:42.83	-0.46
JAVC	95.7	273	Pg	9:37:43.14	-0.82
			Sg	37:57.23	-0.07
PENC	116.6	169	Sg	9:38:03.57	-0.36
KECS	117.5	109	Pg	9:37:49.25	1.40
			Sg	38:02.24	-1.98
PSZ	121.2	146	Pg	9:37:49.48	0.98
			Sg	38:04.59	-0.79

216.

2023-03-08 time: 10:25:34.84 UTC ML= 1.6
 lat: 48.607N lon: 20.767E h= 0.0 km
 erh= 1.5km erz= 3.3km
 nr= 12 gap= 86 rms=0.49
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.9	237	Pg	10:25:39.07	-0.22
			Sg	25:43.14	0.37
ABAH	49.1	135	Pg	10:25:43.14	-0.47
			Sg	25:50.81	0.35
STHS	96.6	21	Sg	10:26:05.79	0.26
PSZ	100.3	220	Pg	10:25:53.00	0.25
			Sg	26:06.46	-0.26
LANS	112.9	302	Pg	10:25:55.19	0.20
			Sg	26:10.17	-0.54
KOLS	116.5	72	Sg	10:26:11.27	-0.59
STZU	143.7	72	Pn	10:26:01.09	1.30
			Sn	26:18.62	-0.63

217.

2023-03-08 time: 12:16:17.26 UTC ML= 1.6
 lat: 48.489N lon: 20.339E h= 0.0 km
 erh= 4.5km erz= 460km
 nr= 5 gap=246 rms=0.23
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	10.8	94	Pg	12:16:19.17	-0.03
			Sg	16:21.05	0.35
ABAH	70.0	108	Sg	12:16:38.97	-0.56
PSZ	71.6	208	Pg	12:16:30.13	0.08
			Sg	16:39.99	-0.03

218.

2023-03-08 time: 12:39:01.73 UTC ML= 2.2
 lat: 46.170N lon: 16.433E h= 0.0 km
 erh= 3.6km erz= ***km
 nr= 12 gap=137 rms=1.03
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOGS	34.0	335	Pg	12:39:08.21	0.42
			Sg	39:13.53	1.01
BEHE	42.5	38	Pg	12:39:09.40	0.08
PTJ	47.5	231	Sg	12:39:16.52	-0.30
GROS	78.7	294	Pg	12:39:17.99	2.21

			Sg	39:25.52	-1.22
CRES	84.8	243	Pg	12:39:17.21	0.35
			Sg	39:27.56	-1.11
PERS	113.7	297	Pg	12:39:22.22	0.19
			Sg	39:36.46	-1.41
SOKA	121.6	298	Sg	12:39:38.96	-1.41
KOVH	129.1	94	Sg	12:39:41.47	-1.30

219.

2023-03-08 time: 13:32:50.10 UTC ML= 2.0
 lat: 47.070N lon: 19.403E h= 0.0 km
 erh= 2.6km erz= 496km
 nr= 10 gap=190 rms=0.39
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.6	262	Pg	13:32:53.64	0.21
			Sg	32:55.44	-0.58
PKB1	56.4	236	Pg	13:33:00.45	0.28
PENC	80.6	353	Pg	13:33:04.60	0.11
PKS9	101.2	238	Pg	13:33:07.96	-0.22
PSZ	101.3	21	PgU	13:33:07.96	-0.23
MORH	111.4	211	Pg	13:33:10.47	0.48
			Sg	33:24.71	-0.80
PKSM	111.9	211	Pg	13:33:10.39	0.31
			Sg	33:24.63	-1.04

220.

2023-03-09 time: 1:58:48.02 UTC ML= 0.1
 lat: 47.387N lon: 18.207E h= 5.5 km
 erh= 3.8km erz= 2.4km
 nr= 5 gap=225 rms=0.28
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.8	123	Pg	1:58:49.66	0.33
			Sg	58:50.06	-0.29
PKSG	13.9	88	Pg	1:58:50.73	0.05
			Sg	58:52.24	-0.52
PKST	19.3	223	Sg	1:58:54.40	-0.01

221.

2023-03-09 time: 8:54:22.58 UTC ML= 1.7
 lat: 48.793N lon: 20.785E h= 0.0 km
 erh= 3.8km erz= ***km
 nr= 8 gap=120 rms=0.95
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	40.9	213	Pg	8:54:30.78	0.91
			Sg	54:35.09	-0.48
ABAH	64.6	149	Pg	8:54:35.25	1.13
			Sg	54:42.26	-0.86
STHS	77.1	26	Sg	8:54:46.33	-0.74
NIE	77.7	334	Sg	8:54:47.54	0.27
KOLS	110.3	82	Sg	8:54:56.76	-0.89
PSZ	117.5	214	Sg	8:54:58.22	-1.70

222.

2023-03-09 time: 10:46:48.71 UTC ML= 0.7
 lat: 47.194N lon: 18.282E h= 0.0 km
 erh= 2.0km erz= 586km
 nr= 8 gap=145 rms=0.41
 Locality: Sárkeszi
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CSKK	18.9	355	Pg	10:46:51.86	-0.23
			Sg	46:54.09	-0.63
PKST	20.1	291	Pg	10:46:52.64	0.34
			Sg	46:54.87	-0.24
PKSG	23.5	20	Pg	10:46:53.62	0.71
			Sg	46:55.97	-0.21
MORH	112.2	166	Sg	10:47:24.03	-0.33
PKSM	112.5	166	Sg	10:47:24.34	-0.14

223.

2023-03-09 time: 11:20:52.58 UTC ML= 1.9
 lat: 48.216N lon: 21.222E h= 0.0 km
 erh= 3.0km erz= 2.9km
 nr= 18 gap=156 rms=1.00
 Locality: Rátka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	9.0	8	Pg	11:20:53.79	-0.40
			Sg	20:55.37	-0.08
KECS	62.2	299	Pg	11:21:04.59	0.91
			Sg	21:11.79	-0.55
HOLU	92.8	68	Pg	11:21:09.71	0.56
			Sg	21:20.71	-1.36
TRPA	98.4	96	Pg	11:21:10.14	-0.01
			Sg	21:23.06	-0.80
PSZ	104.3	252	Pg	11:21:11.71	0.50
			Sg	21:25.24	-0.50
KOLS	111.3	44	Sg	11:21:27.59	-0.36
STHS	133.6	1	Pn	11:21:17.50	1.23
			Sn	21:33.31	-1.43
BRIU	134.1	84	Sn	11:21:32.76	-2.11
STZU	136.3	49	Pn	11:21:18.44	1.83
			Sn	21:33.78	-1.58
LANS	165.8	309	Sn	11:21:40.66	-1.24
MEZ	173.0	79	Sn	11:21:44.11	0.61

224.

2023-03-09 time: 12:50:27.87 UTC ML= 1.4
 lat: 47.874N lon: 16.073E h= 0.0 km
 erh= 1.5km erz= 2.6km
 nr= 7 gap=129 rms=0.58
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.9	291	Pg	12:50:31.48	0.60
			Sg	50:33.28	0.05
RONA	25.7	139	Pg	12:50:32.81	0.36
			Sg	50:36.18	0.16
ARSA	80.7	211	Sg	12:50:52.89	-0.64
KRUC	134.2	10	Pn	12:50:51.36	-0.27
			Sn	51:08.34	-1.83

225.

2023-03-10 time: 8:57:12.75 UTC ML= 1.7
 lat: 48.433N lon: 19.556E h= 0.0 km
 erh= 3.9km erz= ***km
 nr= 11 gap=159 rms=0.97
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	62.6	156	Pg	8:57:24.67	0.74
			Sg	57:32.26	-0.38
KECS	69.0	85	Pg	8:57:25.85	0.78
			Sg	57:34.38	-0.31
PENC	74.4	196	Sg	8:57:35.44	-0.94
LANS	80.0	355	Pg	8:57:27.49	0.45
			Sg	57:37.33	-0.85
NIE	122.8	27	Pg	8:57:35.40	0.71

sta	dist	azm	phase	hr mn sec	res
ABAH	125.7	97	Pg	8:57:35.39	0.19
			Sg	57:49.79	-2.92

226.

2023-03-10 time: 10:23:44.26 UTC ML= 1.9
 lat: 47.301N lon: 16.351E h= 0.0 km
 erh= 2.8km erz= 6.5km
 nr= 16 gap=164 rms=0.78
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	44.5	355	Pg	10:23:52.08	-0.12
			Sg	23:57.44	-0.95
SOP	45.2	20	Pg	10:23:52.68	0.34
			Sg	23:57.71	-0.93
ARSA	62.9	265	Pg	10:23:56.18	0.69
			Sg	24:03.84	-0.41
CONA	78.8	332	Pg	10:23:59.27	0.94
			Sg	24:08.52	-0.79
KOGS	95.2	185	Pg	10:24:01.54	0.29
			Sg	24:13.11	-1.40
GROS	113.7	215	Pg	10:24:04.99	0.43
			Sg	24:18.31	-2.08
PERS	119.6	232	Pg	10:24:05.77	0.16
			Sg	24:19.93	-2.34
SOKA	121.9	235	Pg	10:24:06.65	0.62
KRUC	195.8	1	Sn	10:24:40.29	0.06

227.

2023-03-10 time: 10:30:02.59 UTC ML= 1.7
 lat: 47.543N lon: 16.323E h= 0.0 km
 erh= 2.2km erz= 2.9km
 nr= 14 gap=134 rms=0.73
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	17.5	353	PgU	10:30:06.24	0.53
			Sg	30:08.17	0.02
SOP	23.6	49	Pg	10:30:07.14	0.35
			Sg	30:09.87	-0.20
CONA	55.1	321	Pg	10:30:13.43	1.01
			Sg	30:19.64	-0.45
ARSA	68.6	242	Sg	10:30:24.17	-0.23
MODS	116.6	38	Sg	10:30:37.94	-1.72
KOGS	121.9	183	Sg	10:30:41.22	-0.10
GROS	135.6	207	Sn	10:30:44.99	-0.20
PERS	136.3	222	Pn	10:30:26.61	0.00
			Sn	30:43.48	-1.87
KRUC	169.0	2	Pn	10:30:31.02	0.33
			Sn	30:50.60	-2.00

228.

2023-03-10 time: 11:39:54.88 UTC ML= 1.5
 lat: 47.542N lon: 18.507E h= 0.0 km
 erh= 6.0km erz= 4.7km
 nr= 6 gap=307 rms=0.47
 Locality: Szárliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	18.9	208	Pg	11:39:58.43	0.18
			Sg	40:01.21	0.33
CSKK	27.2	223	Pg	11:39:59.87	0.13
			Sg	40:03.90	0.37
PKST	47.6	229	Sg	11:40:09.23	-0.77
MORH	147.8	176	Sn	11:40:38.96	-1.25

Földrengés paraméterek

Hypocenter Parameters

229.

2023-03-13 time: 7:06:22.25 UTC ML= 1.5
 lat: 48.509N lon: 17.505E h= 0.0 km
 erh= 4.6km erz= ***km
 nr= 8 gap=203 rms=0.93
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.7	275	PgU	7:06:22.55	-0.71
			Sg	06:23.29	-0.77
MODS	22.6	228	Pg	7:06:27.87	1.58
			Sg	06:30.31	0.87
JAVC	40.8	17	Pg	7:06:29.90	0.37
			Sg	06:34.81	-0.40
ZST	45.9	221	Sg	7:06:35.57	-1.26
KRUC	102.1	307	Sg	7:06:54.02	-0.69

230.

2023-03-13 time: 7:18:01.70 UTC ML= 1.3
 lat: 47.251N lon: 18.374E h= 0.0 km
 erh= 1.8km erz= 2.6km
 nr= 10 gap=113 rms=0.51
 Locality: Sárkeresztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.1	325	Pg	7:18:04.86	0.46
			Sg	18:05.53	-0.98
PKSG	15.7	5	Pg	7:18:04.90	0.40
			Sg	18:06.27	-0.42
PKST	25.7	272	Pg	7:18:06.70	0.40
			Sg	18:09.48	-0.40
MORH	116.9	170	Sg	7:18:39.37	0.50
PKSM	117.3	170	Sg	7:18:38.59	-0.41
KOVH	131.0	189	Sn	7:18:42.82	-0.47
PSZ	136.3	57	Sn	7:18:43.76	-0.72

231.

2023-03-13 time: 10:21:02.07 UTC ML= 1.6
 lat: 46.451N lon: 18.032E h= 17.8 km
 erh= 2.5km erz= 1.9km
 nr= 15 gap=162 rms=0.56
 Locality: Gölle
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS9	24.2	51	Pg	10:21:07.60	0.17
			Sg	21:11.54	-0.08
KOVH	40.7	173	Sg	10:21:14.36	-1.83
MORH	53.9	119	Pg	10:21:12.79	0.58
			Sg	21:19.48	-0.64
PKSM	54.0	120	Pg	10:21:12.46	0.25
			Sg	21:19.60	-0.53
PKSV	64.8	165	P*	10:21:14.58	0.56
			S*	21:22.20	-1.13
PKB1	69.0	58	P*	10:21:15.08	0.43
			S*	21:23.99	-0.47
MPLH	88.3	335	P*	10:21:17.29	-0.30
			S*	21:28.99	-0.70
PKST	89.8	0	P*	10:21:18.40	0.59
			S*	21:29.52	-0.57

232.

2023-03-13 time: 13:07:18.70 UTC ML= 1.4
 lat: 47.870N lon: 16.080E h= 0.0 km
 erh= 2.3km erz= 3.8km
 nr= 7 gap=130 rms=0.78
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.6	292	Pg	13:07:22.09	0.25
			Sg	07:25.06	0.77
RONA	24.9	140	Pg	13:07:23.73	0.58
			Sg	07:27.10	0.47
ARSA	80.7	211	Sg	13:07:43.14	-1.20
KRUC	134.5	10	Pn	13:07:42.28	-0.23
			Sn	07:58.87	-2.21

233.

2023-03-13 time: 15:12:44.93 UTC ML= 1.6
 lat: 47.898N lon: 16.104E h= 0.0 km
 erh= 4.0km erz= 4.2km
 nr= 7 gap=198 rms=0.52
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.4	280	Pg	15:12:48.44	0.21
			Sg	12:50.52	-0.28
KRUC	131.2	9	Pn	15:13:08.29	-0.03
			Sn	13:25.35	-1.21
SOKA	158.1	211	Pn	15:13:12.36	0.69
			Sn	13:31.77	-0.76
VRAC	160.9	13	Sn	15:13:33.49	0.33

234.

2023-03-13 time: 16:20:51.52 UTC ML= 1.9
 lat: 46.436N lon: 17.089E h= 12.1 km
 erh= 2.1km erz= 1.5km
 nr= 19 gap=112 rms=0.64
 Locality: Kisfakos
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	24.4	279	Pg	16:20:56.26	-0.13
			Sg	21:00.25	0.07
KOGS	64.5	271	Sg	16:21:11.25	-1.13
TIH	80.3	50	Pg	16:21:06.52	0.51
			Sg	21:16.53	-0.79
KOVH	87.0	116	Pg	16:21:07.18	-0.02
			Sg	21:17.98	-1.45
MPLH	88.5	23	Pg	16:21:07.58	0.10
PKS9	92.8	80	Pg	16:21:09.02	0.79
PTJ	105.8	236	Pn	16:21:09.64	-0.55
			Sn	21:23.65	-1.10
PKSV	108.5	124	Pn	16:21:10.58	0.05
			Sn	21:24.67	-0.69
PKST	116.5	38	Sn	16:21:26.94	-0.18
PKB4	116.5	87	Sn	16:21:27.22	0.08
PKSM	122.1	102	Sn	16:21:28.97	0.59
MORH	122.2	102	Sn	16:21:28.51	0.11
CREG	143.2	242	Pn	16:21:16.14	1.28
			Sn	21:34.06	0.99

235.

2023-03-13 time: 20:58:52.07 UTC ML= 1.3
 lat: 46.495N lon: 16.175E h= 6.2 km
 erh= 4.0km erz= 9.1km
 nr= 5 gap=211 rms=0.23
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	7.8	132	Pg	20:58:53.90	0.05
			Sg	58:55.11	-0.14
GROS	51.8	266	Sg	20:59:09.15	0.48
PERS	82.6	281	Sg	20:59:18.08	-0.34
CREG	92.8	217	Sg	20:59:21.60	-0.03

Hypocenter Parameters

Földrengés paraméterek

236.

2023-03-14 time: 9:23:04.48 UTC ML= 1.5
 lat: 48.573N lon: 20.785E h= 0.0 km
 erh= 2.6km erz= 6.9km
 nr= 13 gap= 90 rms=1.00
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.2	246	Pg	9:23:09.52	0.72
			Sg	23:11.91	-0.26
ABAH	45.6	132	Pg	9:23:13.47	0.85
			Sg	23:18.79	-0.19
PSZ	98.3	222	Sg	9:23:34.92	-0.81
STHS	99.7	20	Pg	9:23:23.18	0.90
			Sg	23:34.68	-1.48
NIE	100.2	340	Pg	9:23:23.45	1.08
			Sg	23:35.46	-0.87
LANS	116.0	304	Pg	9:23:25.25	0.06
			Sg	23:38.52	-2.83
KOLS	116.6	70	Sg	9:23:40.32	-1.21
TRPA	139.1	111	Sn	9:23:46.26	-1.60

237.

2023-03-14 time: 10:58:12.95 UTC ML= 0.9
 lat: 47.148N lon: 18.302E h= 0.0 km
 erh= 5.7km erz= ***km
 nr= 7 gap=152 rms=0.92
 Locality: Úrhida
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	23.8	301	Pg	10:58:18.19	1.00
			Sg	58:19.76	-0.74
CSKK	24.1	352	Pg	10:58:17.72	0.47
			Sg	58:19.40	-1.21
PKSG	27.9	14	Pg	10:58:18.59	0.66
			Sg	58:20.81	-1.01
PKSM	107.3	166	Sg	10:58:45.53	-1.52

238.

2023-03-14 time: 12:16:13.04 UTC ML= 1.7
 lat: 48.329N lon: 19.899E h= 0.0 km
 erh= 4.0km erz= ***km
 nr= 8 gap=160 rms=0.86
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	45.7	180	Pg	12:16:21.33	0.13
			Sg	16:27.44	-0.12
KECS	46.7	69	Pg	12:16:21.02	-0.35
			Sg	16:27.59	-0.29
LANS	96.7	341	Pg	12:16:31.35	1.05
			Sg	16:41.99	-1.77
ABAH	99.5	92	Pg	12:16:31.66	0.85
			Sg	16:43.09	-1.57

239.

2023-03-14 time: 13:03:03.42 UTC ML= 1.6
 lat: 47.621N lon: 18.457E h= 0.0 km
 erh= 7.3km erz= 672km
 nr= 6 gap=215 rms=0.39
 Locality: Vértestolna
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	26.0	191	Pg	13:03:08.40	0.34
			Sg	03:11.77	0.09
CSKK	32.3	207	Pg	13:03:09.58	0.40

			Sg	03:12.94	-0.74
PKST	51.4	218	Sg	13:03:19.28	-0.47
PENC	64.7	73	Pg	13:03:14.74	-0.23

240.

2023-03-14 time: 14:01:11.36 UTC ML= 2.0
 lat: 47.221N lon: 16.296E h= 0.0 km
 erh= 2.9km erz= 8.7km
 nr= 17 gap= 89 rms=1.00
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	53.2	0	Pg	14:01:21.01	0.14
			Sg	01:26.99	-1.29
SOP	55.1	21	Sg	14:01:27.59	-1.28
ARSA	58.6	273	Sg	14:01:29.70	-0.29
CONA	85.2	337	Pg	14:01:28.08	1.51
			Sg	01:37.28	-1.15
KOGS	86.0	182	Pg	14:01:27.35	0.63
			Sg	01:36.89	-1.80
MPLH	94.4	93	Pg	14:01:28.68	0.46
RCF6	102.0	195	Pg	14:01:29.22	-0.35
			Sg	01:41.59	-2.18
GROS	104.0	216	Pg	14:01:30.48	0.55
			Sg	01:43.31	-1.10
PERS	110.9	234	Pg	14:01:32.15	0.99
			Sg	01:45.61	-1.00
SOKA	113.5	238	Pg	14:01:32.67	1.03
KRUC	204.8	2	Sn	14:02:08.75	-0.59

241.

2023-03-15 time: 7:35:34.08 UTC ML= 1.9
 lat: 48.549N lon: 17.463E h= 0.0 km
 erh= 2.8km erz= 3.2km
 nr= 12 gap=189 rms=0.80
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.7	213	Pg	7:35:34.13	-0.79
			Sg	35:34.84	-0.74
MODS	23.9	215	Pg	7:35:39.49	1.14
			Sg	35:42.15	0.47
JAVC	37.7	24	Pg	7:35:41.09	0.28
			Sg	35:46.29	0.23
KRUC	97.0	306	Pg	7:35:51.85	0.45
			Sg	36:05.71	0.80
RONA	128.4	223	Pg	7:35:56.90	-0.10
MORC	136.6	2	Sn	7:36:14.90	-2.03
CONA	137.6	240	Pn	7:35:57.96	-0.31
			Sn	36:14.79	-2.35

242.

2023-03-16 time: 7:48:28.84 UTC ML= 1.7
 lat: 47.773N lon: 19.386E h= 0.0 km
 erh= 3.3km erz= 4.1km
 nr= 11 gap=131 rms=0.98
 Locality: Püspökatvan
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	8.1	284	Pg	7:48:30.59	0.30
			Sg	48:31.14	-0.28
PSZ	41.3	67	Pg	7:48:37.41	1.19
			Sg	48:41.10	-0.87
BUD	42.2	220	Sg	7:48:41.74	-0.51
PKSG	86.1	240	Sg	7:48:55.06	-1.15
KECS	113.7	46	Pg	7:48:49.27	0.12
			Sg	49:03.88	-1.11
PKST	116.8	241	Sg	7:49:04.37	-1.60
JAVC	175.4	313	Sn	7:49:20.80	0.50

Földrengés paraméterek

Hypocenter Parameters

MORH 182.1 198 Sn 7:49:24.16 2.38

243.

2023-03-16 time: 8:35:34.15 UTC ML= 1.3
 lat: 45.890N lon: 18.405E h= 0.0 km
 erh= 3.5km erz= 573km
 nr= 8 gap=242 rms=0.41
 Locality: Villánykövesd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	11.9	269	Pg	8:35:35.96	-0.31
			Sg	35:37.45	-0.48
KOVH	32.3	313	Pg	8:35:40.50	0.58
			Sg	35:44.65	0.22
PKSM	40.2	27	Pg	8:35:41.59	0.26
			Sg	35:46.29	-0.63
MORH	40.7	27	Pg	8:35:41.59	0.18
			Sg	35:46.53	-0.55

244.

2023-03-16 time: 8:47:05.58 UTC ML= 1.1
 lat: 46.161N lon: 18.315E h= 0.0 km
 erh= 2.0km erz= 396km
 nr= 8 gap=192 rms=0.30
 Locality: Zobákpusztá
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.4	244	Pg	8:47:08.61	-0.27
			Sg	47:11.16	-0.28
PKSM	25.9	77	Pg	8:47:10.30	0.10
			Sg	47:13.07	-0.74
MORH	26.2	76	Pg	8:47:10.65	0.39
			Sg	47:13.69	-0.22
PKSV	30.6	189	Pg	8:47:11.24	0.19
			Sg	47:15.54	0.22

245.

2023-03-16 time: 9:40:42.94 UTC ML= 1.6
 lat: 48.643N lon: 20.791E h= 0.0 km
 erh= 4.6km erz= ***km
 nr= 7 gap=161 rms=0.82
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.7	232	Pg	9:40:48.64	0.57
			Sg	40:51.85	-0.22
ABAH	50.9	139	Pg	9:40:52.79	0.76
			Sg	40:57.72	-1.40
NIE	93.1	338	Sg	9:41:11.22	-1.30
			Pg	9:41:02.10	0.50
PSZ	104.5	220	Pg	9:41:02.10	0.50
			Sg	41:15.17	-1.00

246.

2023-03-16 time: 9:50:59.70 UTC ML= 2.1
 lat: 48.401N lon: 18.560E h= 0.0 km
 erh= 2.1km erz= 2.8km
 nr= 19 gap= 80 rms=0.92
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
JAVC	83.0	308	Pg	9:51:14.56	0.04
			Sg	51:25.46	-0.62
SMOL	84.6	279	Pg	9:51:15.66	0.85
			Sg	51:26.06	-0.53
PENC	86.6	142	Sg	9:51:27.23	-0.01
			Pg	9:51:18.88	2.21
MODS	95.0	268	Pg	9:51:18.88	2.21
			Sg	9:51:18.88	2.21

			Sg	51:30.21	0.30
LANS	106.8	39	Pg	9:51:18.81	0.05
ZST	110.5	258	Sg	9:51:32.97	-1.86
PSZ	112.9	118	Pg	9:51:20.69	0.83
			Sg	51:34.91	-0.68
PKSG	113.0	186	Sg	9:51:34.93	-0.68
			Sg	9:51:36.26	-0.82
CSKK	117.6	191	Sg	9:51:36.26	-0.82
PKST	133.0	197	Sn	9:51:40.33	-1.40
MPLH	156.8	209	Sn	9:51:46.96	-0.06
MORC	170.1	334	Pn	9:51:27.65	-0.29
			Sn	51:48.13	-1.84
RONA	185.9	245	Sn	9:51:53.56	0.08
CONA	207.5	255	Sn	9:51:58.96	0.69

247.

2023-03-16 time: 10:42:52.40 UTC ML= 1.2
 lat: 47.184N lon: 18.337E h= 0.0 km
 erh= 1.8km erz= 4.0km
 nr= 11 gap=113 rms=0.50
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.8	344	Pg	10:42:56.06	-0.05
			Sg	42:58.25	-0.75
PKSG	23.5	10	Pg	10:42:56.76	0.17
			Sg	43:00.44	0.58
PKST	24.4	290	Pg	10:42:56.60	-0.16
			Sg	42:59.11	-1.05
MPLH	60.5	269	Pg	10:43:03.96	0.76
			Sg	43:12.18	0.55
MORH	110.2	168	Sg	10:43:26.97	-0.45
PKSM	110.5	168	Sg	10:43:27.28	-0.26
PSZ	142.9	55	Sn	10:43:36.33	-0.30

248.

2023-03-16 time: 12:41:02.04 UTC ML= 1.0
 lat: 47.875N lon: 16.064E h= 0.0 km
 erh= 1.9km erz= 372km
 nr= 5 gap=207 rms=0.17
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	291	Pg	12:41:04.95	0.01
			Sg	41:07.06	-0.14
RONA	26.2	138	Pg	12:41:06.85	0.13
			Sg	41:09.96	-0.41
ARSA	80.5	210	Sg	12:41:27.80	0.16

249.

2023-03-17 time: 8:49:13.22 UTC ML= 1.4
 lat: 46.896N lon: 22.801E h= 0.0 km
 erh= 7.3km erz= 2.4km
 nr= 6 gap=323 rms=0.63
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	13.5	210	Pg	8:49:16.01	0.38
			Sg	49:18.05	0.54
GZR	167.1	181	Pn	8:49:41.21	0.13
			Sn	50:01.72	-1.10
BZS	169.0	213	Sn	8:50:01.87	-1.38
BANR	211.8	217	Sn	8:50:12.52	-0.23

Hypocenter Parameters

Földrengés paraméterek

250.

2023-03-17 time: 9:14:02.53 UTC ML= 1.6
 lat: 48.579N lon: 20.788E h= 0.0 km
 erh= 1.5km erz= 7.4km
 nr= 8 gap=135 rms=0.45
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.7	244	Pg	9:14:06.75	-0.20
			Sg	14:10.12	-0.28
ABAH	45.9	133	Pg	9:14:11.37	0.63
			Sg	14:16.85	-0.29
STHS	98.9	20	Sg	9:14:33.91	-0.06
PSZ	99.0	222	Pg	9:14:20.45	0.24
			Sg	14:33.60	-0.41
TRPA	139.1	111	Sn	9:14:43.15	-2.77

251.

2023-03-17 time: 9:30:58.90 UTC ML= 1.8
 lat: 48.476N lon: 21.742E h= 0.0 km
 erh= 2.3km erz= 3.2km
 nr= 12 gap=119 rms=0.84
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	42.3	242	Sg	9:31:12.27	-0.07
KOLS	64.1	38	Pg	9:31:11.25	0.90
			Sg	31:19.16	-0.13
TRPA	70.5	123	Pg	9:31:11.80	0.31
STZU	88.3	47	Pg	9:31:15.40	0.72
			Sg	31:25.97	-1.01
KECS	92.9	271	Pg	9:31:16.17	0.68
			Sg	31:27.59	-0.84
STHS	110.8	341	Sg	9:31:33.39	-0.74
MEZ	131.0	88	Sn	9:31:37.55	-2.95
NIE	148.2	315	Sn	9:31:43.34	-0.97
PSZ	150.7	246	Sn	9:31:43.50	-1.37

252.

2023-03-17 time: 10:20:15.90 UTC ML= 2.1
 lat: 48.285N lon: 18.568E h= 0.0 km
 erh= 3.4km erz= ***km
 nr= 13 gap= 81 rms=1.26
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	76.5	136	Sg	10:20:40.73	0.50
SMOL	88.1	287	Pg	10:20:32.68	1.04
			Sg	20:44.03	0.12
JAVC	92.0	314	Pg	10:20:31.67	-0.66
			Sg	20:44.66	-0.48
MODS	96.2	276	Pg	10:20:36.05	2.97
			Sg	20:46.52	0.03
PKSG	100.2	188	Sg	10:20:47.61	-0.15
CSKK	105.1	193	Sg	10:20:48.88	-0.42
PSZ	106.9	112	Sg	10:20:49.49	-0.38
ZST	109.3	265	Sg	10:20:48.72	-1.93
LANS	116.8	35	Sg	10:20:51.29	-1.74
PKST	120.9	199	Sg	10:20:53.03	-1.30

253.

2023-03-17 time: 11:23:45.18 UTC ML= 1.3
 lat: 47.561N lon: 18.474E h= 0.0 km
 erh= 2.8km erz= 2.3km
 nr= 6 gap=310 rms=0.37
 Locality: Tatabánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.8	198	Pg	11:23:49.13	0.41
			Sg	23:51.80	0.32
CSKK	27.3	216	Pg	11:23:49.88	-0.16
			Sg	23:53.63	-0.21
PKST	47.2	225	Sg	11:24:00.05	-0.13
MORH	150.1	175	Sn	11:24:29.95	-1.06

254.

2023-03-19 time: 2:55:04.15 UTC ML= 1.4
 lat: 48.662N lon: 21.703E h= 17.5 km
 erh= 2.3km erz= 2.3km
 nr= 9 gap= 86 rms=0.49
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	51.6	54	Pg	2:55:13.50	-0.38
			Sg	55:21.23	-0.24
ABAH	53.2	220	Pg	2:55:14.66	0.52
			Sg	55:21.70	-0.24
TRPA	85.6	134	P*	2:55:19.28	0.00
			S*	55:30.78	-0.30
STHS	90.4	338	P*	2:55:21.00	0.98
KECS	92.0	258	P*	2:55:20.07	-0.19
			S*	55:32.04	-0.79

255.

2023-03-19 time: 5:31:04.38 UTC ML= 1.0
 lat: 47.732N lon: 16.038E h= 12.3 km
 erh= 2.5km erz= 2.3km
 nr= 13 gap=116 rms=0.73
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	19.7	100	PgU	5:31:08.86	0.33
			Sg	31:11.37	-0.39
CONA	25.6	329	Pg	5:31:09.96	0.51
			Sg	31:12.93	-0.47
SOP	39.4	98	Sg	5:31:16.73	-0.77
WINA	41.9	4	Pg	5:31:12.82	0.65
			Sg	31:17.32	-0.93
ARSA	66.1	216	Pg	5:31:16.51	0.12
			Sg	31:24.52	-1.23
ABNA	113.7	337	Pn	5:31:23.92	-0.09
			Sn	31:37.28	-2.04
KRUC	150.3	10	Pn	5:31:29.84	1.27
			Sn	31:47.60	0.16

256.

2023-03-19 time: 13:52:01.63 UTC ML= 2.0
 lat: 48.719N lon: 21.699E h= 6.4 km
 erh= 1.8km erz= 2.3km
 nr= 15 gap= 84 rms=0.66
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	48.4	61	Pg	13:52:10.31	-0.04
			Sg	52:16.77	-0.38
ABAH	58.0	216	Pg	13:52:12.66	0.61
			Sg	52:19.97	-0.21
STHS	84.4	337	Pg	13:52:17.59	0.85
			Sg	52:28.06	-0.46
TRPA	90.3	136	Pg	13:52:17.75	-0.04
			Sg	52:29.88	-0.53
KECS	93.3	254	Pg	13:52:18.23	-0.09
			Sg	52:29.80	-1.54
NIE	127.7	308	Pn	13:52:23.52	-0.25
			Sn	52:39.97	-1.07

Földrengés paraméterek

PSZ 160.8 236 Pn 13:52:29.69 1.80
 Sn 52:47.99 -0.38
 BMR 177.2 131 Sn 13:52:52.51 0.48

257.

2023-03-19 time: 17:18:50.97 UTC ML= 1.5
 lat: 48.437N lon: 17.287E h= 12.8 km
 erh= 5.5km erz= 3.1km
 nr= 11 gap=135 rms=0.74
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	7.1	186	ePg	17:18:54.90	1.32
			eSg	18:56.20	0.58
SMOL	13.5	51	Pg	17:18:53.53	-0.77
			Sg	18:56.05	-0.84
ZST	30.1	207	Sg	17:18:59.51	-1.85
JAVC	54.8	31	Pg	17:19:01.48	0.46
			Sg	19:08.55	-0.31
KRUC	95.6	317	S*	17:19:21.48	0.09
RONA	110.3	222	Pn	17:19:10.52	0.39
			Sn	19:24.96	-0.11
CONA	120.2	242	Sn	17:19:27.40	0.15

258.

2023-03-19 time: 18:56:56.34 UTC ML= 2.3
 lat: 45.896N lon: 16.023E h= 9.8 km
 erh= 1.4km erz= 1.1km
 nr= 41 gap= 52 rms=0.70
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.1	275	Pg	18:56:57.99	-0.32
			Sg	56:58.72	-1.12
ZAG	7.8	197	Pg	18:56:58.58	0.01
			Sg	57:00.00	-0.32
GCIS	30.9	264	iPgD	18:57:02.27	0.15
			iSg	57:06.32	-0.31
GOLS	33.4	292	iPgD	18:57:02.74	0.18
			iSg	57:08.03	0.62
CRES	44.7	260	Pg	18:57:04.36	-0.14
			Sg	57:10.52	-0.35
RCF6	48.8	354	PgD	18:57:05.53	0.30
			Sg	57:11.49	-0.68
DOBS	51.3	303	iPg	18:57:05.86	0.19
LEGS	55.0	276	iPgD	18:57:06.42	0.10
			iSg	57:14.41	0.31
KOGS	63.8	16	Pg	18:57:07.77	-0.10
			Sg	57:16.13	-0.73
BOJS	74.2	234	iPg	18:57:09.68	-0.02
GROS	74.6	327	Pg	18:57:09.37	-0.40
			Sg	57:18.95	-1.30
BEHE	86.3	42	Pg	18:57:12.84	0.99
			Sg	57:25.09	1.14
R93E	87.2	130	Pg	18:57:12.48	0.47
PERS	107.9	320	Pn	18:57:14.77	-0.81
			Sn	57:28.29	-2.29
SOKA	115.7	319	Pn	18:57:15.74	-0.80
OBKA	132.6	301	Pn	18:57:19.38	0.72
			Sn	57:35.87	-0.20
ARSA	155.4	346	Pn	18:57:21.84	0.35
			Sn	57:42.40	1.29
BLY	156.7	144	Pn	18:57:22.66	1.00
			Sn	57:39.58	-1.82
KOVH	162.3	82	Pn	18:57:21.50	-0.86
PKSV	173.0	90	Pn	18:57:22.43	-1.27
TRI	176.8	263	Pn	18:57:25.33	1.16
			Sn	57:47.36	1.48
RONA	201.6	6	Pn	18:57:28.49	1.23
MORH	205.9	80	Pn	18:57:26.78	-1.02
WINA	245.9	1	Pn	18:57:34.03	1.25

102

Hypocenter Parameters

MOA 255.1 328 Pn 18:57:35.60 1.66
 Sn 58:03.67 0.41
 ABNA 311.7 352 Pn 18:57:41.20 0.22*
 Sn 58:15.60 -0.20*
 ZVC 417.2 341 ePn 18:57:54.80 0.66*
 eSn 58:36.90 -2.33*

259.

2023-03-20 time: 7:57:10.45 UTC ML= 1.4
 lat: 47.845N lon: 19.072E h= 0.0 km
 erh= 7.2km erz= 854km
 nr= 5 gap=217 rms=0.38
 Locality: Szendehegy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.8	111	Pg	7:57:14.06	0.61
			Sg	57:15.43	-0.36
PSZ	62.1	82	Pg	7:57:21.45	-0.08
			Sg	57:29.87	-0.31
PKSG	71.8	226	Sg	7:57:32.99	-0.30

260.

2023-03-20 time: 8:52:52.74 UTC ML= 1.6
 lat: 47.905N lon: 19.068E h= 0.0 km
 erh= 4.5km erz= 5.6km
 nr= 8 gap=184 rms=0.66
 Locality: Nógrád
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	20.4	129	Pg	8:52:56.82	0.43
			Sg	52:58.39	-0.85
PSZ	61.8	89	Pg	8:53:04.73	0.96
			Sg	53:11.89	-0.49
PKSG	76.5	222	Sg	8:53:17.21	0.16
CSKK	85.5	225	Sg	8:53:19.63	-0.30
KECS	123.4	59	Sg	8:53:31.06	-0.91
MPLH	141.2	235	Sn	8:53:35.99	-0.60

261.

2023-03-20 time: 9:02:47.71 UTC ML= 1.5
 lat: 47.347N lon: 18.463E h= 0.0 km
 erh= 3.9km erz= 663km
 nr= 6 gap=194 rms=0.38
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.4	313	Pg	9:02:49.30	0.27
			Sg	02:49.73	-0.33
CSKK	15.4	277	Pg	9:02:50.90	0.45
			Sg	02:52.35	-0.25
PKST	33.8	253	Sg	9:02:57.83	-0.63
PSZ	125.0	59	Sg	9:03:27.14	-0.29

262.

2023-03-20 time: 9:10:39.43 UTC ML= 1.1
 lat: 47.331N lon: 18.492E h= 0.0 km
 erh= 2.2km erz= 718km
 nr= 8 gap=116 rms=0.51
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.2	311	Pg	9:10:41.49	0.23
			Sg	10:41.95	-0.73
CSKK	17.9	282	Pg	9:10:43.36	0.74
			Sg	10:44.51	-0.60
PKST	35.5	257	Sg	9:10:50.47	-0.26

Hypocenter Parameters

PSZ 124.0 58 Sg 9:11:18.79 -0.05
 MORH 124.5 175 Sg 9:11:19.29 0.29
 PKSM 124.9 175 Sg 9:11:18.50 -0.64

263.

2023-03-21 time: 7:45:42.27 UTC ML= 1.7
 lat: 46.020N lon: 22.767E h= 0.0 km
 erh= 2.9km erz= 5.3km
 nr= 7 gap=227 rms=0.43
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.5	145	Pg	7:45:45.70	0.13
			Sg	45:48.36	0.21
GZR	69.6	179	Pg	7:45:54.93	0.22
			Sg	46:03.86	-0.55
BZS	100.0	243	Pg	7:46:00.57	0.44
			Sg	46:13.09	-0.97
VOIR	189.1	110	Pn	7:46:12.62	-0.26
			Sn	46:33.13	-3.64*

264.

2023-03-21 time: 9:35:22.78 UTC ML= 1.7
 lat: 46.021N lon: 22.773E h= 0.0 km
 erh= 1.1km erz= 2.0km
 nr= 7 gap=227 rms=0.11
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.4	147	Pg	9:35:26.17	0.11
			Sg	35:28.36	-0.26
GZR	69.8	180	Pg	9:35:35.25	0.00
			Sg	35:45.03	0.06
BZS	100.5	243	Pg	9:35:40.80	0.07
			Sg	35:54.58	-0.15
VOIR	188.7	110	Pn	9:35:53.33	-0.02
			Sn	36:13.60	-3.59*

265.

2023-03-21 time: 9:36:25.29 UTC ML= 1.8
 lat: 48.588N lon: 17.462E h= 0.0 km
 erh= 2.0km erz= 2.2km
 nr= 15 gap=170 rms=0.67
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	8.6	197	Pg	9:36:26.86	0.04
			Sg	36:28.81	0.79
JAVC	33.9	27	Pg	9:36:31.38	0.04
			Sg	36:36.08	0.03
ZST	51.0	211	Sg	9:36:41.41	-0.10
KRUC	94.4	304	Pg	9:36:43.00	0.85
			Sg	36:54.55	-0.76
VRAC	102.3	322	Pg	9:36:44.06	0.50
			Sg	36:57.37	-0.44
RONA	131.4	221	Pn	9:36:48.22	-0.49
			Sn	37:05.05	-1.93
MORC	132.4	3	Pn	9:36:48.76	-0.07
			Sn	37:06.05	-1.14
CONA	139.6	238	Pn	9:36:50.52	0.79
			Sn	37:07.05	-1.75

Földrengés paraméterek

266.

2023-03-21 time: 9:43:55.51 UTC ML= 1.9
 lat: 47.952N lon: 19.084E h= 0.0 km
 erh= 4.7km erz= 531km
 nr= 5 gap=280 rms=0.92
 Locality: Borsosberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	23.3	141	Pg	9:43:59.34	-0.33
			Sg	44:01.34	-1.57
PSZ	60.7	94	Pg	9:44:07.21	0.87
			Sg	44:14.02	-0.78
KECS	119.7	60	Sg	9:44:34.72	1.15

267.

2023-03-21 time: 10:12:52.00 UTC ML= 1.9
 lat: 46.075N lon: 21.757E h= 0.0 km
 erh= 4.8km erz= ***km
 nr= 7 gap=211 rms=0.73
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BZS	52.1	192	Pg	10:13:01.22	-0.08
			Sg	13:07.95	-0.61
DEV	91.3	103	Sg	10:13:20.79	-0.24
DRGR	108.3	43	Pg	10:13:11.71	0.38
			Sg	13:25.33	-1.08
GZR	109.7	134	Pg	10:13:12.81	1.22
			Sg	13:25.95	-0.92

268.

2023-03-21 time: 10:32:34.22 UTC ML= 1.4
 lat: 48.434N lon: 21.458E h= 0.0 km
 erh= 1.9km erz= 597km
 nr= 7 gap=114 rms=0.39
 Locality: Kishuta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	22.3	227	Pg	10:32:38.29	0.08
			Sg	32:41.34	0.02
KECS	72.1	274	Sg	10:32:56.45	-0.70
KOLS	81.7	47	Sg	10:33:00.67	0.48
TRPA	87.0	113	Sg	10:33:01.30	-0.58
STHS	110.4	352	Sg	10:33:09.13	-0.17
PSZ	129.7	244	Pg	10:32:57.78	0.41

269.

2023-03-22 time: 8:42:06.96 UTC ML= 1.9
 lat: 48.428N lon: 17.245E h= 0.0 km
 erh= 1.7km erz= 3.5km
 nr= 12 gap=147 rms=0.47
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	16.6	55	Pg	8:42:09.33	-0.59
			Sg	42:12.62	0.40
ZST	27.9	202	Sg	8:42:15.44	-0.39
JAVC	57.3	33	Pg	8:42:17.30	0.12
			Sg	42:25.19	0.03
KRUC	94.2	318	Pg	8:42:24.19	0.41
			Sg	42:36.62	-0.28
RONA	107.6	221	Pg	8:42:26.56	0.39
			Sg	42:40.53	-0.62
CONA	117.0	242	Pg	8:42:28.55	0.70
			Sg	42:43.54	-0.60
MORC	151.5	8	Sn	8:42:52.35	-0.76

Földrengés paraméterek

Hypocenter Parameters

270.

2023-03-22 time: 9:10:51.61 UTC ML= 1.7
 lat: 48.363N lon: 19.776E h= 0.0 km
 erh= 3.7km erz= ***km
 nr= 8 gap=135 rms=0.77
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	50.3	170	Pg	9:11:00.59			0.00
			Sg		11:06.53		-1.06
KECS	54.2	76	Pg	9:11:02.36			1.08
			Sg		11:07.97		-0.86
PENC	73.6	210	Sg	9:11:15.14			0.13
LANS	90.4	345	Pg	9:11:08.46			0.70
			Sg		11:18.93		-1.42
NIE	123.8	19	Pg	9:11:13.45			-0.27

271.

2023-03-22 time: 9:55:29.82 UTC ML= 0.6
 lat: 47.239N lon: 18.240E h= 0.0 km
 erh= 6.4km erz= 686km
 nr= 6 gap=228 rms=0.41
 Locality: Iszkkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	13.9	6	Pg	9:55:32.37			0.07
			Sg		55:34.13		-0.10
PKST	15.7	278	Pg	9:55:33.03			0.40
			Sg		55:35.19		0.37
PKSG	20.4	34	Sg	9:55:35.81			-0.51
MPLH	53.6	262	Sg	9:55:46.03			-0.84

272.

2023-03-22 time: 10:03:35.50 UTC ML= 1.8
 lat: 48.510N lon: 17.474E h= 0.0 km
 erh= 1.9km erz= 2.3km
 nr= 12 gap=198 rms=0.59
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	3.4	277	Pg	10:03:36.26			0.16
			Sg		03:37.27		0.70
JAVC	41.4	20	Pg	10:03:42.99			0.09
			Sg		03:49.25		0.58
ZST	44.5	218	Sg	10:03:49.98			0.35
KRUC	100.3	308	Pg	10:03:53.40			0.00
			Sg		04:07.17		-0.20
RONA	125.7	224	Pg	10:03:58.52			0.57
			Sg		04:14.26		-1.21
CONA	136.2	242	Pn	10:03:59.29			-0.22
			Sn		04:16.71		-1.53
MORC	141.0	2	Sn	10:04:17.67			-1.64

273.

2023-03-22 time: 10:06:55.79 UTC ML= 1.3
 lat: 47.966N lon: 16.079E h= 0.0 km
 erh= 2.9km erz= 907km
 nr= 7 gap=116 rms=0.59
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.8	255	Pg	10:06:58.85			0.07
			Sg		07:01.59		0.47
RONA	33.8	151	Pg	10:07:01.80			-0.04
			Sg		07:06.05		-0.50

MODS	100.0	63	Sg	10:07:28.98			1.40
KRUC	124.0	11	Pg	10:07:17.84			-0.10
			Sg		07:33.75		-1.47

274.

2023-03-22 time: 11:19:58.21 UTC ML= 2.0
 lat: 47.314N lon: 16.370E h= 0.0 km
 erh= 1.9km erz= 867km
 nr= 18 gap= 85 rms=0.77
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	43.2	353	Pg	11:20:06.24			0.31
			Sg		20:11.47		-0.47
SOP	43.4	19	Pg	11:20:05.93			-0.04
			Sg		20:10.78		-1.23
ARSA	64.4	264	Pg	11:20:09.75			0.03
			Sg		20:18.05		-0.64
CONA	78.2	331	Pg	11:20:13.04			0.86
			Sg		20:22.12		-0.96
MPLH	90.0	100	Pg	11:20:14.85			0.57
			Sg		20:25.34		-1.48
KOGS	96.7	185	Pg	11:20:16.18			0.70
			Sg		20:28.15		-0.80
GROS	115.6	215	Pg	11:20:19.31			0.45
			Sg		20:33.48		-1.49
PERS	121.6	232	Pg	11:20:20.86			0.94
			Sg		20:35.58		-1.27
SOKA	123.9	235	Pg	11:20:20.86			0.53
			Sg		20:36.53		-1.06

275.

2023-03-22 time: 12:00:03.83 UTC ML= 2.0
 lat: 48.424N lon: 17.214E h= 0.0 km
 erh= 1.8km erz= 624km
 nr= 11 gap=140 rms=0.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	18.7	58	Pg	12:00:06.83			-0.35
			Sg		00:10.59		0.81
ZST	26.7	198	Sg	12:00:11.59			-0.73
JAVC	58.9	35	Pg	12:00:14.50			0.15
			Sg		00:21.61		-0.94
KRUC	93.0	320	Pg	12:00:20.75			0.31
			Sg		00:32.50		-0.89
RONA	105.7	220	Pg	12:00:23.29			0.58
			Sg		00:37.22		-0.21
VRAC	108.3	335	Pg	12:00:23.41			0.24
			Sg		00:38.21		-0.05

276.

2023-03-23 time: 8:07:59.59 UTC ML= 1.5
 lat: 48.084N lon: 20.693E h= 0.0 km
 erh= 3.6km erz= 777km
 nr= 6 gap=193 rms=0.47
 Locality: Bükkszentlászló
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	47.0	60	Pg	8:08:08.32			0.35
			Sg		08:14.03		-0.48
KECS	47.0	341	Pg	8:08:08.39			0.41
			Sg		08:13.76		-0.77
PSZ	62.4	253	Pg	8:08:10.90			0.17
			Sg		08:18.65		-0.77

Hypocenter Parameters

Földrengés paraméterek

277.

2023-03-23 time: 9:48:31.31 UTC ML= 2.1
 lat: 48.284N lon: 21.358E h= 0.0 km
 erh= 6.2km erz= 9.2km
 nr= 9 gap=148 rms=1.07
 Locality: Erdőbénye
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	8.9	278	Pg	9:48:33.44	0.53
			Sg	48:35.16	1.01
KECS	68.3	289	Pg	9:48:44.07	0.55
			Sg	48:51.60	-1.43
TRPA	89.4	101	Pg	9:48:48.45	1.17
KOLS	98.8	43	Sg	9:49:00.90	-1.81
PSZ	116.4	250	Pg	9:48:51.75	-0.35
			Sg	49:06.00	-2.31
NIE	147.7	329	Sn	9:49:16.39	-0.22

278.

2023-03-24 time: 10:13:19.37 UTC ML= 1.6
 lat: 48.557N lon: 21.728E h= 0.0 km
 erh= 8.7km erz=10.3km
 nr= 7 gap=139 rms=1.21
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.4	231	Pg	10:13:28.59	0.94
			Sg	13:33.50	-0.61
KOLS	57.9	44	Pg	10:13:30.84	1.13
			Sg	13:36.78	-1.00
KECS	92.1	265	Pg	10:13:36.34	0.52
			Sg	13:47.07	-1.58
MEZ	132.0	92	Sn	10:13:58.44	-2.74

279.

2023-03-24 time: 10:23:52.49 UTC ML= 2.0
 lat: 48.352N lon: 18.952E h= 0.0 km
 erh= 2.9km erz= 4.5km
 nr= 19 gap= 82 rms=1.31
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	67.0	159	Sg	10:24:13.18	-0.62
PSZ	85.1	124	Pg	10:24:09.63	1.95
			Sg	24:18.11	-1.42
LANS	96.6	23	Pg	10:24:10.49	0.75
			Sg	24:22.70	-0.50
JAVC	110.1	301	Pg	10:24:12.99	0.84
			Sg	24:25.99	-1.50
SMOL	114.2	279	Pg	10:24:13.86	0.97
			Sg	24:26.69	-2.10
KECS	114.4	83	Pg	10:24:12.60	-0.33
			Sg	24:27.00	-1.87
PKSG	114.7	202	Pg	10:24:13.86	0.89
			Sg	24:27.40	-1.55
CSKK	121.5	205	Pg	10:24:14.95	0.76
			Sg	24:29.20	-1.91
PKST	139.6	210	Sn	10:24:33.92	-2.07
NIE	155.1	40	Pn	10:24:20.69	1.83
			Sn	24:37.75	-1.68
ABAH	169.7	92	Sn	10:24:42.29	-0.39

280.

2023-03-24 time: 11:00:07.08 UTC ML= 1.8
 lat: 48.141N lon: 16.817E h= 0.0 km
 erh= 6.8km erz= ***km
 nr= 8 gap=144 rms=1.31
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	22.1	74	Pg	11:00:09.21	-1.81
MODS	42.9	53	Pg	11:00:16.50	1.77
			Sg	00:20.71	0.01
RONA	62.6	218	Sg	11:00:27.06	0.07
CONA	75.1	252	Sg	11:00:31.99	1.05
JAVC	101.8	38	Pg	11:00:26.40	1.15
KRUC	107.0	343	Pg	11:00:24.97	-1.21
			Sg	00:39.97	-1.12

281.

2023-03-24 time: 13:07:48.92 UTC ML= 0.8
 lat: 47.168N lon: 18.253E h= 0.0 km
 erh= 2.3km erz= 593km
 nr= 7 gap=165 rms=0.39
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.4	301	PgD	13:07:52.65	0.27
			Sg	07:54.69	-0.39
CSKK	21.6	2	Pg	13:07:52.85	0.06
			Sg	07:54.97	-0.84
PKSG	26.9	23	Pg	13:07:54.18	0.45
			Sg	07:57.49	0.01
PKB1	59.2	136	Sg	13:08:07.24	-0.51

282.

2023-03-24 time: 19:14:43.48 UTC ML= 1.6
 lat: 45.737N lon: 20.437E h= 10.0 km
 erh= 5.6km erz= 6.7km
 nr= 5 gap=167 rms=0.44
 Locality: Serbia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	67.3	126	Pg	19:14:55.46	-0.17
BZS	92.9	98	Pg	19:15:00.69	0.52
			Sg	15:12.37	-0.81
MORH	148.7	291	Sn	19:15:26.52	-0.22
PKSM	148.8	291	Sn	19:15:26.99	0.24

283.

2023-03-25 time: 9:06:38.89 UTC ML= 1.3
 lat: 46.225N lon: 18.243E h= 0.0 km
 erh= 2.3km erz= ***km
 nr= 13 gap= 86 rms=0.86
 Locality: Komló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.8	216	PgU	9:06:42.71	0.47
			Sg	06:44.98	0.13
PKSM	30.8	93	Pg	9:06:44.98	0.60
			Sg	06:47.56	-1.11
MORH	31.0	92	Pg	9:06:44.98	0.56
			Sg	06:47.52	-1.22
PKSV	37.4	179	Pg	9:06:45.68	0.12
			Sg	06:49.20	-1.57
PKB4	41.0	43	Pg	9:06:47.67	1.46
PKST	116.1	352	Sg	9:07:15.06	-0.72
BEHE	116.2	284	Sg	9:07:15.53	-0.29

Földrengés paraméterek

MPLH 118.1 333 Sg 9:07:15.53 -0.88
 PKSG 130.2 5 Sg 9:07:19.13 -1.15

284.

2023-03-26 time: 11:45:25.51 UTC ML= 1.8
 lat: 48.479N lon: 17.325E h= 7.3 km
 erh= 1.3km erz= 1.2km
 nr= 12 gap=145 rms=0.30
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SMOL	8.6	63	Pg	11:45:27.57			0.04
			Sg	45:28.94			-0.16
ZST	35.5	208	Pg	11:45:32.01			0.02
			Sg	45:36.69			-0.34
JAVC	49.4	31	Pg	11:45:34.32			-0.10
			Sg	45:41.26			-0.12
KRUC	94.2	313	Pg	11:45:42.71			0.32
			Sg	45:55.12			-0.43
RONA	115.7	221	Pn	11:45:45.82			-0.22
			Sn	46:01.09			-0.96
CONA	124.8	241	Pn	11:45:47.69			0.51
			Sn	46:04.51			0.43

285.

2023-03-26 time: 11:56:50.06 UTC ML= 2.2
 lat: 45.903N lon: 21.737E h= 10.0 km
 erh= 5.7km erz= 8.2km
 nr= 8 gap=178 rms=0.69
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	33.2	196	Pg	11:56:56.17			-0.09
			Sg	57:00.44			-0.65
BANR	74.5	219	Pg	11:57:04.14			0.65
			Sg	57:13.70			-0.26
GZR	98.9	125	Pg	11:57:08.32			0.51
			Sg	57:20.37			-1.28
DRGR	124.0	37	Pn	11:57:11.79			0.52
			Sn	57:26.28			-1.53

286.

2023-03-26 time: 16:49:13.81 UTC ML= 1.3
 lat: 47.413N lon: 18.362E h= 11.4 km
 erh= 5.5km erz= 1.9km
 nr= 12 gap=262 rms=0.58
 Locality: Gánt
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	3.2	137	PgU	16:49:15.79			-0.13
			Sg	49:16.65			-0.92
CSKK	9.5	234	Pg	16:49:16.45			0.00
			Sg	49:18.03			-0.48
PKST	30.1	235	Pg	16:49:19.74			0.19
			Sg	49:23.66			-0.38
PKB1	77.2	155	Pg	16:49:28.20			0.47
PKB5	95.3	163	Pg	16:49:31.60			0.66
MORH	134.8	171	Pn	16:49:36.80			0.60
			Sn	49:51.83			-1.83
PKSM	135.2	171	Pn	16:49:36.22			-0.03
			Sn	49:52.10			-1.65

Hypocenter Parameters

287.

2023-03-27 time: 8:11:52.07 UTC ML= 1.5
 lat: 48.584N lon: 20.755E h= 0.0 km
 erh= 3.1km erz= ***km
 nr= 11 gap=100 rms=0.96
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	22.9	241	Pg	8:11:55.95			-0.20
			Sg	11:59.08			-0.25
ABAH	48.1	132	Pg	8:12:00.57			-0.08
			Sg	12:08.24			0.90
PSZ	97.8	221	Pg	8:12:09.94			0.41
			Sg	12:22.07			-1.08
NIE	98.3	341	Pg	8:12:11.45			1.83
			Sg	12:21.75			-1.57
STHS	99.3	21	Pg	8:12:10.25			0.46
			Sg	12:22.07			-1.55
KOLS	118.2	71	Sg	8:12:28.40			-1.23

288.

2023-03-27 time: 8:29:36.19 UTC ML= 1.7
 lat: 48.910N lon: 21.033E h= 7.0 km
 erh= 2.0km erz= 2.2km
 nr= 11 gap=127 rms=0.54
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KECS	62.3	220	Pg	8:29:47.27			-0.11
			Sg	29:55.12			-0.99
ABAH	70.0	167	Pg	8:29:49.62			0.88
			Sg	29:58.37			-0.17
NIE	77.2	317	Sg	8:30:00.44			-0.38
KOLS	90.9	88	Pg	8:29:52.59			0.12
			Sg	30:04.39			-0.78
STZU	117.0	84	Pn	8:29:57.13			0.21
			Sn	30:12.08			-1.00
PSZ	138.8	217	Pn	8:30:00.11			0.48
			Sn	30:18.11			0.19

289.

2023-03-27 time: 9:12:55.42 UTC ML= 1.8
 lat: 47.311N lon: 16.319E h= 0.0 km
 erh= 4.6km erz= 6.9km
 nr= 10 gap=160 rms=1.12
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	43.3	358	Pg	9:13:03.62			0.47
			Sg	13:08.86			-0.31
SOP	45.2	24	Sg	9:13:09.26			-0.52
ARSA	60.6	264	Sg	9:13:13.80			-0.88
CONA	76.8	333	Pg	9:13:10.82			1.69
			Sg	13:19.35			-0.48
KOGS	96.0	183	Pg	9:13:13.48			0.91
			Sg	13:25.06			-0.89
GROS	113.2	213	Sg	9:13:28.59			-2.80
KRUC	194.8	2	Sn	9:13:50.11			-1.06

290.

2023-03-28 time: 8:20:59.49 UTC ML= 1.6
 lat: 46.053N lon: 18.100E h= 0.0 km
 erh= 2.1km erz= 474km
 nr= 5 gap=212 rms=0.21
 Locality: Zók
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KOVH	3.9	359	Pg	8:20:59.98	-0.21
			Sg	21:01.15	0.41
PKSV	21.7	147	Sg	8:21:06.55	0.16
PKSM	45.4	67	Sg	8:21:13.91	0.00
MORH	45.8	67	Sg	8:21:13.94	-0.09

291.

2023-03-28 time: 8:29:06.59 UTC ML= 1.5
 lat: 47.275N lon: 18.372E h= 0.0 km
 erh= 2.5km erz= 731km
 nr= 8 gap=164 rms=0.53
 Locality: Sárkeresztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.0	319	Pg	8:29:08.79	-0.12
			Sg	29:09.50	-1.22
PKSG	13.1	6	PgU	8:29:09.37	0.44
			Sg	29:10.78	0.02
PKST	25.6	266	Pg	8:29:11.84	0.67
			Sg	29:14.66	-0.08
MORH	119.5	170	Sg	8:29:44.01	-0.57
PKSM	119.9	170	Sg	8:29:44.17	-0.53

292.

2023-03-28 time: 9:04:23.88 UTC ML= 1.3
 lat: 47.886N lon: 16.070E h= 0.0 km
 erh= 1.8km erz= 3.3km
 nr= 7 gap=130 rms=0.53
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.3	287	Pg	9:04:27.05	0.27
			Sg	04:29.40	0.35
RONA	26.8	141	Pg	9:04:29.00	0.33
			Sg	04:32.60	0.20
ARSA	81.8	210	Sg	9:04:49.12	-0.76
KRUC	132.9	10	Pn	9:04:47.36	-0.13
			Sn	05:03.83	-2.07

293.

2023-03-29 time: 7:16:03.51 UTC ML= 1.8
 lat: 46.853N lon: 17.359E h= 0.0 km
 erh= 3.3km erz= 891km
 nr= 13 gap=212 rms=0.75
 Locality: Lesencetomaj
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	37.8	21	Pg	7:16:10.13	-0.14
			Sg	16:14.59	-0.95
TIH	41.0	83	Pg	7:16:11.14	0.30
			Sg	16:16.93	0.37
EGYH	62.8	358	Sg	7:16:22.33	-1.13
			Pg	7:16:16.15	0.43
PKST	68.3	49	Pg	7:16:16.15	0.43
			Sg	16:25.31	0.07
CSKK	88.9	50	Sg	7:16:32.30	0.53
PKSG	98.6	53	Sg	7:16:35.17	0.32
KOVH	102.3	146	Pg	7:16:22.33	0.55
			Sg	16:36.66	0.63
MORH	121.4	126	Sg	7:16:40.10	-2.00
PKSM	121.5	126	Sg	7:16:39.55	-2.58

294.

2023-03-29 time: 8:28:48.64 UTC ML= 1.8
 lat: 48.624N lon: 17.509E h= 0.0 km
 erh= 1.9km erz= 2.1km
 nr= 16 gap=141 rms=0.59
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	13.6	206	Pg	8:28:51.31	0.25
			Sg	28:53.97	1.02
JAVC	28.8	24	Pg	8:28:53.94	0.16
			Sg	28:58.95	1.16
ZST	56.2	212	Sg	8:29:06.65	0.13
KRUC	95.2	301	Sg	8:29:19.14	0.24
VRAC	101.5	319	Pg	8:29:06.78	0.02
			Sg	29:20.19	-0.70
SOP	126.2	214	Sg	8:29:28.40	-0.36
MORC	128.3	1	Pg	8:29:11.11	-0.44
			Sg	29:27.07	-2.35
RONA	136.7	221	Pn	8:29:13.30	0.58
			Sn	29:31.04	-0.46
CONA	144.7	238	Pn	8:29:13.51	-0.20
			Sn	29:32.71	-0.56
PKST	156.7	165	Sn	8:29:34.30	-1.64

295.

2023-03-29 time: 9:16:04.38 UTC ML= 1.6
 lat: 48.568N lon: 20.736E h= 0.0 km
 erh= 2.5km erz= 967km
 nr= 12 gap= 92 rms=0.79
 Locality: Komjáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.7	243	Pg	9:16:08.19	0.11
			Sg	16:11.08	0.11
ABAH	48.0	129	Pg	9:16:13.59	0.64
			Sg	16:18.56	-1.07
PSZ	95.5	221	Pg	9:16:21.82	0.39
			Sg	16:34.02	-0.71
NIE	99.6	342	Pg	9:16:23.22	1.06
			Sg	16:35.93	-0.10
LANS	113.4	305	Pg	9:16:23.92	-0.71
			Sg	16:38.71	-1.71
KOLS	120.1	70	Pg	9:16:26.47	0.64
			Sg	16:40.90	-1.67

296.

2023-03-29 time: 9:43:19.28 UTC ML= 1.1
 lat: 47.876N lon: 16.044E h= 0.0 km
 erh= 2.2km erz= 3.7km
 nr= 7 gap=125 rms=0.85
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.8	293	Pg	9:43:22.50	0.57
			Sg	43:24.35	0.36
RONA	27.3	136	Pg	9:43:24.97	0.82
			Sg	43:27.91	-0.04
ARSA	79.9	209	Sg	9:43:43.45	-1.22
KRUC	134.4	11	Pn	9:43:42.81	-0.26
			Sn	43:59.22	-2.40

Földrengés paraméterek

Hypocenter Parameters

297.

2023-03-29 time: 11:28:10.78 UTC ML= 1.6
 lat: 46.037N lon: 22.742E h= 0.0 km
 erh= 2.8km erz= 773km
 nr= 7 gap=117 rms=0.52
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	21.2	144	Pg	11:28:14.86	0.29
			Sg	28:17.49	-0.04
GZR	71.6	178	Pg	11:28:24.14	0.56
			Sg	28:31.72	-1.84
DRGR	83.9	358	Sg	11:28:36.97	-0.47
BZS	99.1	242	Pg	11:28:28.47	-0.02
CJR	99.9	41	Sg	11:28:42.23	-0.32

298.

2023-03-30 time: 8:11:09.76 UTC ML= 1.1
 lat: 46.131N lon: 18.042E h= 0.0 km
 erh= 1.5km erz= 217km
 nr= 8 gap=290 rms=0.16
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.6	137	Pg	8:11:10.90	-0.03
			Sg	11:12.19	0.35
PKSV	31.5	149	Pg	8:11:15.36	-0.03
			Sg	11:19.39	-0.39
PKSM	47.2	79	Pg	8:11:18.34	0.16
			Sg	11:24.68	-0.07
MORH	47.5	79	Pg	8:11:18.26	0.02
			Sg	11:24.68	-0.17

299.

2023-03-30 time: 9:43:20.04 UTC ML= 0.8
 lat: 47.257N lon: 18.256E h= 0.0 km
 erh= 2.5km erz= 336km
 nr= 6 gap=237 rms=0.21
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.8	2	Pg	9:43:22.39	0.23
			Sg	43:24.04	0.23
PKST	16.8	271	Pg	9:43:23.10	0.06
			Sg	43:25.02	-0.36
PKSG	18.1	34	Pg	9:43:23.18	-0.10
			Sg	43:25.53	-0.28

300.

2023-03-30 time: 10:10:36.11 UTC ML= 1.3
 lat: 47.295N lon: 17.678E h= 0.0 km
 erh= 7.6km erz= 787km
 nr= 7 gap=222 rms=0.52
 Locality: Bakonykoppány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	17.4	217	Pg	10:10:39.22	0.00
			Sg	10:41.21	-0.44
PKST	27.2	99	Pg	10:10:41.33	0.36
			Sg	10:44.58	-0.18
CSKK	44.6	80	Sg	10:10:51.67	1.37
PKSG	54.9	79	Pg	10:10:45.87	-0.04
			Sg	10:52.48	-1.07

301.

2023-03-30 time: 11:00:51.09 UTC ML= 2.0
 lat: 48.877N lon: 20.920E h= 0.0 km
 erh= 2.0km erz= 2.6km
 nr= 16 gap=115 rms=0.72
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	54.2	216	Pg	11:01:00.84	0.07
			Sg	01:08.20	-0.12
ABAH	68.8	160	Pg	11:01:03.80	0.44
			Sg	01:12.66	-0.28
NIE	74.8	324	Pg	11:01:04.70	0.26
			Sg	01:13.66	-1.20
KOLS	99.4	86	Pg	11:01:08.65	-0.19
			Sg	01:22.23	-0.45
PSZ	130.9	215	Pn	11:01:14.81	0.37
			Sn	01:30.99	-1.66
TRPA	145.6	125	Pn	11:01:16.22	-0.06
			Sn	01:34.25	-1.68
OJC	170.0	331	Pn	11:01:20.17	0.86
			Sn	01:40.50	-0.83
MEZ	195.2	102	Pn	11:01:23.93	1.47
			Sn	01:49.27	2.34

302.

2023-03-30 time: 11:08:05.31 UTC ML= 1.3
 lat: 47.543N lon: 18.531E h= 0.0 km
 erh= 2.0km erz= 2.3km
 nr= 9 gap=205 rms=0.24
 Locality: Nagyegyháza
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.9	212	Pg	11:08:08.74	-0.12
			Sg	08:11.53	-0.09
CSKK	28.6	226	Pg	11:08:10.48	0.07
			Sg	08:14.70	0.31
SRO	34.2	331	Sg	11:08:16.10	-0.10
PKST	49.0	230	Pg	11:08:14.44	0.38
			Sg	08:20.68	-0.21
MPLH	85.6	241	Sg	11:08:32.08	-0.45
PKSM	148.2	177	Sn	11:08:50.57	-0.15

303.

2023-03-30 time: 11:33:56.41 UTC ML= 1.2
 lat: 47.888N lon: 16.072E h= 0.0 km
 erh= 2.7km erz= 4.6km
 nr= 7 gap=131 rms=0.92
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.4	286	Pg	11:33:59.76	0.43
			Sg	34:02.39	0.79
RONA	26.9	141	Pg	11:34:01.77	0.57
			Sg	34:05.41	0.47
ARSA	82.0	210	Sg	11:34:20.95	-1.53
KRUC	132.7	10	Pn	11:34:19.83	-0.16
			Sn	34:35.76	-2.62

304.

2023-03-30 time: 11:41:18.05 UTC ML= 0.6
 lat: 47.951N lon: 16.111E h= 0.0 km
 erh= 2.6km erz= 659km
 nr= 5 gap=144 rms=0.29
 Locality: Austria
 Comments: probably explosion

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
CONA	18.8	262	Pg	11:41:21.18	-0.23
			Sg	41:24.27	0.24
RONA	31.2	154	Pg	11:41:23.97	0.35
			Sg	41:27.52	-0.45
KRUC	125.3	10	Sg	11:41:57.83	-0.04

305.

2023-03-30 time: 15:13:22.59 UTC ML= 1.7
 lat: 46.329N lon: 21.597E h= 6.8 km
 erh= 7.4km erz= 3.5km
 nr= 6 gap=240 rms=0.80
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	79.2	179	Pg	15:13:36.66	-0.12
			Sg	13:46.44	-1.40
DRGR	99.8	59	Pg	15:13:40.65	0.20
			Sg	13:53.88	-0.50
GZR	138.6	139	Pn	15:13:47.46	1.43
			Sn	14:03.73	-0.59

306.

2023-03-31 time: 6:10:41.34 UTC ML= 1.4
 lat: 45.752N lon: 18.288E h= 13.3 km
 erh= 0.9km erz= 1.0km
 nr= 9 gap=190 rms=0.09
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	15.4	350	Pg	6:10:44.95	-0.03
			Sg	10:47.91	0.09
KOVH	40.1	339	Pg	6:10:48.94	0.05
			Sg	10:54.69	-0.09
PKSM	58.0	28	Pg	6:10:52.05	0.08
			Sg	11:00.31	0.05
MORH	58.5	28	Pg	6:10:52.03	-0.02
			Sg	11:00.23	-0.18
BLY	141.2	218	Sn	6:11:20.35	-1.82*

307.

2023-03-31 time: 6:59:06.11 UTC ML= 1.6
 lat: 47.833N lon: 19.140E h= 0.0 km
 erh= 7.0km erz= ***km
 nr= 8 gap=182 rms=1.08
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	11.6	114	Pg	6:59:09.08	0.89
			Sg	59:10.05	0.25
PSZ	57.2	80	Pg	6:59:17.55	1.22
			Sg	59:22.92	-1.38
PKST	104.9	233	Pg	6:59:24.66	-0.19
			Sg	59:37.88	-1.59
KECS	123.4	54	Pg	6:59:28.45	0.29
			Sg	59:42.76	-2.59

308.

2023-03-31 time: 7:37:10.16 UTC ML= 1.2
 lat: 45.871N lon: 18.414E h= 0.0 km
 erh= 0.8km erz= 129km
 nr= 8 gap=254 rms=0.10
 Locality: Villánykövesd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	12.7	279	Pg	7:37:12.37	-0.06

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KOVH	34.3	315	Pg	7:37:16.31	0.03
			Sg	37:20.95	-0.10
PKSM	41.7	25	Pg	7:37:17.78	0.18
			Sg	37:23.35	-0.06
MORH	42.2	25	Pg	7:37:17.62	-0.07
			Sg	37:23.50	-0.07

309.

2023-03-31 time: 7:54:57.08 UTC ML= 1.5
 lat: 47.095N lon: 18.071E h= 0.0 km
 erh= 1.5km erz= 4.4km
 nr= 16 gap=120 rms=0.60
 Locality: Papkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.5	351	Pg	7:55:00.08	-0.30
			Sg	55:02.48	-0.48
TIH	25.5	212	Pg	7:55:02.49	0.85
			Sg	55:06.28	1.09
CSKK	33.1	26	Pg	7:55:03.72	0.72
			Sg	55:07.58	-0.03
PKSG	41.0	36	Sg	7:55:10.05	-0.05
MPLH	41.2	282	Pg	7:55:04.57	0.13
			Sg	55:09.05	-1.12
MORH	107.1	156	Pg	7:55:16.17	-0.04
			Sg	55:30.62	-0.50
PKSM	107.4	156	Pg	7:55:16.32	0.06
			Sg	55:30.62	-0.61
KOVH	111.9	179	Pg	7:55:17.40	0.34
			Sg	55:31.63	-1.02
PKSV	134.8	174	Sn	7:55:38.12	-1.40

310.

2023-03-31 time: 9:15:27.53 UTC ML= 1.7
 lat: 47.842N lon: 20.163E h= 0.0 km
 erh= 3.1km erz= 5.0km
 nr= 9 gap=192 rms=0.70
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.8	293	Pg	9:15:32.01	0.59
			Sg	15:34.87	0.42
PENC	66.3	265	Pg	9:15:39.43	0.07
			Sg	15:48.86	0.27
KECS	75.2	19	Pg	9:15:40.43	-0.52
			Sg	15:50.49	-0.93
ABAH	94.8	58	Pg	9:15:45.23	0.78
			Sg	15:57.06	-0.59
PKSG	142.4	249	Sn	9:16:09.36	-2.28

311.

2023-03-31 time: 9:26:17.53 UTC ML= 2.1
 lat: 48.235N lon: 21.263E h= 0.0 km
 erh= 2.5km erz= 2.9km
 nr= 15 gap=105 rms=0.77
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.0	345	Pg	9:26:18.92	0.14
			Sg	26:20.39	0.64
KECS	63.9	296	Pg	9:26:29.72	0.78
			Sg	26:36.86	-0.98
TRPA	95.6	97	Pg	9:26:34.70	0.10
			Sg	26:47.45	-0.46
KOLS	107.6	44	Pg	9:26:36.91	0.17
			Sg	26:50.01	-1.72
PSZ	107.9	251	Pg	9:26:36.78	-0.02
			Sg	26:50.55	-1.28

Földrengés paraméterek

Hypocenter Parameters

NIE 149.0 332 Pn 9:26:43.59 0.45
 Sn 27:02.30 -0.81
 MEZ 169.6 79 Pn 9:26:46.96 1.25
 Sn 27:06.01 -1.68
 DRGR 194.0 146 Sn 9:27:12.94 -0.17

312.

2023-03-31 time: 12:05:46.88 UTC ML= 2.0
 lat: 47.924N lon: 17.001E h= 7.0 km
 erh= 1.5km erz= 1.9km
 nr= 24 gap= 75 rms=0.70
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZST	31.2	14	PgD	12:05:53.00			0.41
			Sg	05:56.49			-0.56
SOP	42.6	231	PgD	12:05:55.15			0.56
			Sg	06:00.07			-0.54
RONA	58.4	245	PgD	12:05:57.76			0.38
			Sg	06:04.67			-0.91
EGYH	61.5	156	Sg	12:06:06.43			-0.14
WINA	72.2	286	Pg	12:06:00.16			0.33
			Sg	06:09.49			-0.45
SMOL	72.9	26	PgU	12:05:59.89			-0.06
			Sg	06:09.25			-0.90
CONA	85.2	270	Pg	12:06:02.62			0.48
			Sg	06:12.94			-1.11
MPLH	93.1	154	Sg	12:06:15.67			-0.87
SRO	98.9	97	Pg	12:06:05.42			0.83
			Sg	06:17.56			-0.84
PKST	107.2	134	Sg	12:06:19.96			-1.07
JAVC	115.2	25	Pn	12:06:07.60			0.22
ARSA	134.1	236	Pn	12:06:10.91			1.18
			Sn	06:26.65			-0.91
KRUC	134.3	340	Pn	12:06:10.28			0.52
			Sn	06:26.14			-1.46
ABNA	143.0	306	Pn	12:06:11.69			0.85
			Sn	06:28.37			-1.16

313.

2023-04-03 time: 8:07:04.09 UTC ML= 1.4
 lat: 48.052N lon: 20.677E h= 0.0 km
 erh= 2.6km erz= 515km
 nr= 5 gap=199 rms=0.23
 Locality: Kisgyőr
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	49.9	57	Pg	8:07:13.16			0.17
			Sg	07:19.58			-0.36
KECS	50.0	344	Pg	8:07:13.24			0.22
			Sg	07:19.73			-0.25
PSZ	60.3	256	Sg	8:07:23.06			-0.19

314.

2023-04-03 time: 8:19:35.04 UTC ML= 1.2
 lat: 48.132N lon: 21.344E h= 0.0 km
 erh= 7.4km erz= ***km
 nr= 6 gap=197 rms=0.81
 Locality: Tarcál
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	19.8	337	Pg	8:19:38.93			0.36
			Sg	19:40.85			-0.47
KECS	74.6	301	Pg	8:19:49.50			1.13
			Sg	19:58.34			-0.42
HOLU	88.8	60	Sg	8:20:02.22			-1.03
PSZ	110.7	258	Sg	8:20:09.14			-1.08

315.

2023-04-03 time: 9:07:31.82 UTC ML= 2.2
 lat: 48.424N lon: 17.233E h= 0.0 km
 erh= 2.1km erz= 606km
 nr= 7 gap=145 rms=0.40
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	17.5	55	Pg	9:07:34.47			-0.48
			Sg	07:37.29			-0.10
ZST	27.2	201	Pg	9:07:37.21			0.54
			Sg	07:39.87			-0.59
JAVC	58.1	34	Sg	9:07:50.78			0.50
KRUC	93.9	319	Pg	9:07:48.64			0.05
			Sg	08:01.63			-0.04

316.

2023-04-04 time: 6:33:04.62 UTC ML= 1.4
 lat: 47.328N lon: 18.442E h= 0.0 km
 erh= 1.4km erz= 420km
 nr= 8 gap=114 rms=0.30
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.1	331	Pg	6:33:06.04			-0.04
			Sg	33:06.70			-0.51
CSKK	14.3	286	Pg	6:33:07.33			0.16
			Sg	33:08.93			-0.23
PKST	31.8	256	Pg	6:33:10.69			0.39
MORH	124.6	173	Sg	6:33:43.56			-0.65
PKSM	125.0	173	Sg	6:33:44.50			0.15
PSZ	127.4	59	Sg	6:33:45.13			0.01

317.

2023-04-04 time: 7:59:23.24 UTC ML= 1.6
 lat: 48.130N lon: 21.338E h= 0.0 km
 erh= 3.8km erz= ***km
 nr= 7 gap=168 rms=0.70
 Locality: Tarcál
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	19.9	338	Pg	7:59:27.60			0.81
			Sg	59:30.42			0.86
KECS	74.5	302	Sg	7:59:46.23			-0.67
TRPA	89.4	90	Pg	7:59:39.34			0.14
			Sg	59:51.47			-0.19
PSZ	110.2	258	Sg	7:59:57.42			-0.86
KOLS	112.9	38	Sg	7:59:58.05			-1.08

318.

2023-04-04 time: 9:03:56.11 UTC ML= 0.9
 lat: 47.103N lon: 17.960E h= 0.0 km
 erh= 2.5km erz= 894km
 nr= 8 gap=114 rms=0.64
 Locality: Kádárta
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	18.3	18	Pg	9:03:59.07			-0.30
			Sg	04:02.40			0.49
TIH	23.1	193	Sg	9:04:04.74			1.29
MPLH	32.7	283	Pg	9:04:02.43			0.48
			Sg	04:05.64			-0.87
CSKK	36.8	38	Sg	9:04:07.99			0.17
MORH	111.7	152	Sg	9:04:30.69			-0.91
PKSM	111.9	152	Sg	9:04:31.23			-0.46

Hypocenter Parameters

Földrengés paraméterek

319.

2023-04-04 time: 9:12:23.53 UTC ML= 1.4
 lat: 48.492N lon: 20.792E h= 0.0 km
 erh= 1.2km erz= 187km
 nr= 5 gap=216 rms=0.08
 Locality: Tornabarakony
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.6	268	Pg	9:12:27.50	-0.07
			Sg	12:30.91	0.18
ABAH	39.7	123	Pg	9:12:30.60	-0.02
			Sg	12:36.19	0.05
PSZ	92.3	226	Sg	9:12:52.81	-0.05

320.

2023-04-04 time: 9:38:18.81 UTC ML= 1.6
 lat: 48.638N lon: 21.346E h= 0.0 km
 erh= 2.3km erz= 5.1km
 nr= 14 gap=69 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	38.8	192	Pg	9:38:26.75	1.01
			Sg	38:31.60	0.45
KECS	65.8	255	Pg	9:38:31.13	0.57
			Sg	38:38.96	-0.77
KOLS	75.6	64	Pg	9:38:33.56	1.25
			Sg	38:42.48	-0.36
HOLU	77.5	99	Sg	9:38:41.39	-2.07
STHS	86.9	355	Pg	9:38:34.73	0.40
			Sg	38:45.77	-0.67
TRPA	104.8	123	Sg	9:38:51.17	-0.96
NIE	115.1	319	Pg	9:38:39.27	-0.10
			Sg	38:54.30	-1.10
PSZ	134.2	233	Pn	9:38:42.72	0.14
			Sn	38:59.00	-2.12

321.

2023-04-04 time: 9:48:39.24 UTC ML= 0.9
 lat: 47.951N lon: 16.129E h= 0.0 km
 erh= 3.0km erz= 759km
 nr= 5 gap=147 rms=0.34
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	20.1	263	Pg	9:48:42.77	-0.07
			Sg	48:45.65	0.01
RONA	30.7	156	Pg	9:48:45.15	0.43
			Sg	48:48.31	-0.69
KRUC	125.0	9	Sg	9:49:18.83	-0.15

322.

2023-04-04 time: 9:58:16.57 UTC ML= 1.0
 lat: 47.214N lon: 18.299E h= 0.0 km
 erh= 1.7km erz= 585km
 nr= 9 gap=122 rms=0.44
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.8	350	Pg	9:58:19.92	0.34
			Sg	58:21.86	-0.06
PKST	20.6	284	Sg	9:58:22.76	-0.37
PKSG	20.9	19	Pg	9:58:20.27	-0.04
			Sg	58:22.66	-0.57
MPLH	57.8	265	Pg	9:58:27.42	0.54
			Sg	58:34.57	-0.36

PKB1 60.7 142 Sg 9:58:35.94 0.06
 KOVH 126.1 187 Sg 9:58:54.55 -2.09

323.

2023-04-04 time: 11:00:12.87 UTC ML= 1.9
 lat: 48.876N lon: 20.924E h= 0.0 km
 erh= 2.3km erz= 3.4km
 nr= 14 gap=107 rms=0.76
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	54.3	216	Pg	11:00:23.07	0.50
			Sg	00:29.68	-0.46
STHS	64.5	21	Pg	11:00:24.48	0.09
			Sg	00:33.28	-0.10
ABAH	68.5	160	Pg	11:00:24.71	-0.40
			Sg	00:34.06	-0.60
NIE	75.1	324	Pg	11:00:27.45	1.17
			Sg	00:35.63	-1.10
KOLS	99.1	86	Pg	11:00:31.13	0.56
			Sg	00:43.10	-1.27
PSZ	131.0	216	Pn	11:00:36.57	0.33
			Sn	00:52.34	-2.12
OJC	170.2	331	Pn	11:00:41.73	0.60
			Sn	01:02.04	-1.13

324.

2023-04-04 time: 14:27:27.79 UTC ML= 1.7
 lat: 47.309N lon: 16.396E h= 0.0 km
 erh= 2.1km erz= 786km
 nr= 13 gap=87 rms=0.67
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	43.4	16	Pg	14:27:35.76	0.23
			Sg	27:41.24	-0.33
RONA	44.1	350	Pg	14:27:35.93	0.27
			Sg	27:41.72	-0.08
ARSA	66.4	264	Pg	14:27:40.15	0.50
			Sg	27:47.89	-1.01
CONA	79.7	330	Pg	14:27:42.89	0.86
			Sg	27:52.47	-0.66
MPLH	87.9	100	Sg	14:27:54.43	-1.31
KOGS	96.4	187	Pg	14:27:45.54	0.54
			Sg	27:57.60	-0.82
GROS	116.4	216	Pg	14:27:48.60	0.03
			Sg	28:02.41	-2.37

325.

2023-04-05 time: 7:43:12.09 UTC ML= 1.8
 lat: 46.835N lon: 17.213E h= 0.0 km
 erh= 8.9km erz=17.1km
 nr= 7 gap=141 rms=0.94
 Locality: Rezi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	44.8	34	Pg	7:43:20.73	0.65
			Sg	43:25.12	-1.20
TIH	52.3	82	Sg	7:43:29.44	0.72
KOVH	107.4	141	Sg	7:43:46.37	0.15
MORH	129.6	122	Sg	7:43:51.25	-2.03
PKSM	129.6	122	Sg	7:43:54.22	0.92
GROS	137.5	252	Sn	7:43:54.60	-0.52

Földrengés paraméterek

Hypocenter Parameters

326.

2023-04-05 time: 8:51:47.99 UTC ML= 1.4
 lat: 48.892N lon: 20.956E h= 0.0 km
 erh= 2.7km erz= 959km
 nr= 10 gap=104 rms=0.76
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	57.2	217	Pg	8:51:58.80	0.60
			Sg	52:04.91	-1.25
STHS	62.0	20	Pg	8:51:59.82	0.76
			Sg	52:06.47	-1.23
ABAH	69.5	163	Pg	8:52:00.76	0.36
			Sg	52:09.53	-0.54
NIE	75.1	321	Pg	8:52:02.01	0.61
			Sg	52:11.17	-0.68
KOLS	96.6	87	Pg	8:52:05.30	0.05
			Sg	52:17.12	-1.59

327.

2023-04-05 time: 9:54:34.29 UTC ML= 0.8
 lat: 47.265N lon: 18.240E h= 0.0 km
 erh= 3.3km erz= 426km
 nr= 6 gap=229 rms=0.26
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.1	8	Pg	9:54:36.56	0.30
			Sg	54:38.09	0.29
PKST	15.5	268	Pg	9:54:37.11	0.04
			Sg	54:38.80	-0.43
PKSG	18.2	39	Pg	9:54:37.46	-0.08
			Sg	54:39.62	-0.45

328.

2023-04-05 time: 10:03:33.90 UTC ML= 1.6
 lat: 48.606N lon: 20.902E h= 0.0 km
 erh= 3.3km erz= 6.8km
 nr= 13 gap= 80 rms=1.24
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	33.7	246	Pg	10:03:40.17	0.26
			Sg	03:44.86	0.26
ABAH	42.6	144	Pg	10:03:41.89	0.38
			Sg	03:47.76	0.32
STHS	93.5	16	Sg	10:04:02.86	-0.77
			Pg	10:03:54.33	2.55
NIE	100.1	335	Sg	04:04.20	-1.52
			Pg	10:03:53.47	0.46
PSZ	107.0	224	Pg	10:03:53.47	0.46
			Sg	04:08.19	0.28
KOLS	107.2	70	Sg	10:04:07.01	-0.95
			Sg	10:04:09.67	-2.81
LANS	121.4	300	Sg	10:04:09.67	-2.81
			Pn	10:03:57.46	0.02
TRPA	132.4	114	Pn	10:03:57.46	0.02
			Sn	04:13.27	-2.53

329.

2023-04-05 time: 10:12:43.09 UTC ML= 1.4
 lat: 48.605N lon: 20.738E h= 0.0 km
 erh= 3.9km erz= ***km
 nr= 7 gap=152 rms=0.72
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.0	234	Pg	10:12:47.67	0.47
			Sg	12:50.59	0.18

ABAH	50.6	133	Pg	10:12:51.74	-0.38
			Sg	12:59.00	-0.16
NIE	95.7	341	Sg	10:13:12.90	-0.61
PSZ	98.7	219	Pg	10:13:01.48	0.76
			Sg	13:12.00	-2.47

330.

2023-04-05 time: 11:56:21.79 UTC ML= 1.1
 lat: 45.920N lon: 16.011E h= 6.2 km
 erh= 1.8km erz= 1.6km
 nr= 6 gap=221 rms=0.14
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.7	242	Pg	11:56:23.06	-0.12
			Sg	56:24.46	0.19
ZAG	10.2	188	Sg	11:56:25.48	-0.10
			Pg	11:56:29.94	0.17
GRES	44.3	256	Sg	56:35.81	-0.19
			Sg	11:56:44.73	0.01

331.

2023-04-06 time: 7:39:46.81 UTC ML= 1.6
 lat: 48.990N lon: 19.278E h= 0.0 km
 erh= 3.6km erz= 7.2km
 nr= 7 gap=104 rms=0.71
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	22.6	38	Pg	7:39:50.71	-0.13
			Sg	39:53.76	-0.23
KECS	105.2	122	Pg	7:40:06.67	1.07
			Sg	40:18.80	-1.45
JAVC	118.7	263	Sg	7:40:24.02	-0.52
PSZ	127.6	159	Sg	7:40:27.48	0.10
MORC	153.4	305	Sn	7:40:33.53	0.15

332.

2023-04-06 time: 7:56:24.07 UTC ML= 0.9
 lat: 47.885N lon: 16.075E h= 0.0 km
 erh= 0.9km erz= 1.6km
 nr= 6 gap=131 rms=0.99
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.7	287	Pg	7:56:27.67	0.62
			Sg	56:29.63	0.26
RONA	26.5	141	Pg	7:56:29.47	0.67
			Sg	56:32.53	0.05
ARSA	81.9	210	Sg	7:56:48.88	-1.22
KRUC	132.9	10	Sn	7:57:03.59	-2.51

333.

2023-04-06 time: 8:52:04.40 UTC ML= 1.6
 lat: 46.154N lon: 18.003E h= 0.0 km
 erh= 2.3km erz= 2.7km
 nr= 13 gap=196 rms=0.54
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	10.5	134	Pg	8:52:06.37	0.09
			Sg	52:07.66	-0.08
PKSV	35.3	147	Sg	8:52:14.86	-0.77
			Pg	8:52:13.49	0.21
PKSM	49.7	83	Sg	52:19.87	-0.34
			Pg	8:52:13.65	0.32

Hypocenter Parameters

Sg 52:19.79 -0.50
 PKS9 52.6 24 Sg 8:52:22.53 1.42
 MPLH 118.3 343 Pg 8:52:25.65 0.12
 Sg 52:41.53 -0.48
 PKST 122.8 1 Sg 8:52:42.08 -1.35
 CSKK 135.8 8 Sn 8:52:47.48 0.42
 PKSG 140.7 12 Sn 8:52:48.19 0.04
 CRES 200.6 260 Sn 8:53:04.39 2.95*

334.

2023-04-06 time: 9:13:38.18 UTC ML= 1.7
 lat: 48.423N lon: 19.150E h= 0.0 km
 erh= 9.2km erz=13.6km
 nr= 9 gap=175 rms=1.33
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	71.0	172	Pg	9:13:51.96			1.10
			Sg	14:00.33			-0.42
PSZ	78.8	135	Pg	9:13:53.53			1.27
			Sg	14:02.13			-1.10
SRO	92.1	223	Sg	9:14:05.42			-2.03
KECS	99.0	86	Pg	9:13:56.19			0.33
			Sg	14:07.53			-2.12
NIE	139.8	38	Pn	9:14:03.70			1.06
			Sn	14:19.27			-2.45

335.

2023-04-06 time: 9:45:52.20 UTC ML= 1.7
 lat: 46.035N lon: 22.816E h= 0.0 km
 erh= 3.0km erz= 6.1km
 nr= 10 gap=116 rms=0.70
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	18.1	158	Pg	9:45:55.65			0.21
			Sg	45:58.08			0.12
GZR	71.4	182	Pg	9:46:05.27			0.33
			Sg	46:14.12			-0.76
DRGR	84.5	355	Pg	9:46:08.15			0.86
			Sg	46:17.95			-1.11
BZS	104.2	244	Pg	9:46:11.13			0.33
			Sg	46:23.88			-1.43
VOIR	186.1	111	Pn	9:46:22.46			0.03
			Sn	46:44.07			-1.95

336.

2023-04-06 time: 10:10:15.36 UTC ML= 2.0
 lat: 48.231N lon: 21.226E h= 0.0 km
 erh= 3.7km erz= 5.1km
 nr= 13 gap=154 rms=1.09
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	7.2	8	Pg	10:10:17.00			0.35
			Sg	10:18.73			1.07
KECS	61.6	297	Pg	10:10:27.41			1.05
			Sg	10:34.38			-0.56
HOLU	91.8	69	Pg	10:10:32.58			0.82
			Sg	10:45.10			0.55
TRPA	98.3	97	Pg	10:10:32.81			-0.09
			Sg	10:44.79			-1.80
PSZ	105.2	251	Pg	10:10:34.69			0.55
			Sg	10:47.29			-1.50
KOLS	109.8	45	Sg	10:10:47.60			-2.65
NIE	148.1	333	Sn	10:10:58.33			-2.41
MEZ	172.4	79	Sn	10:11:06.54			0.41

Földrengés paraméterek

337.

2023-04-07 time: 13:31:02.31 UTC ML= 1.9
 lat: 45.547N lon: 16.212E h= 8.0 km
 erh= 5.1km erz= 2.9km
 nr= 19 gap=221 rms=1.12
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	35.7	332	Sg	13:31:15.28			1.35
PTJ	44.0	333	Pg	13:31:10.49			0.20
			Sg	31:17.23			0.72
CRES	66.5	298	Sg	13:31:21.48			-2.11
KOGS	100.3	2	Pg	13:31:19.35			-0.92
			Sg	31:34.38			0.11
BEHE	111.6	23	Sn	13:31:37.69			-0.08
GROS	115.6	332	Pn	13:31:22.60			-0.13
			Sn	31:37.29			-1.36
PERS	147.7	325	Sn	13:31:46.69			0.89
SOKA	155.3	324	Sn	13:31:47.82			0.34
KOVH	158.6	68	Pn	13:31:27.80			-0.30
			Sn	31:47.06			-1.15
PKSV	163.4	77	Pn	13:31:27.45			-1.24
			Sn	31:50.69			1.43
OBKA	167.4	310	Pn	13:31:31.37			2.18
			Sn	31:51.36			1.20
PKSM	202.6	69	Sn	13:32:02.21			4.24
MORH	203.0	69	Sn	13:32:02.58			4.53

338.

2023-04-07 time: 20:30:13.04 UTC ML= 1.7
 lat: 48.366N lon: 17.149E h= 5.5 km
 erh= 1.1km erz= 1.3km
 nr= 31 gap= 74 rms=0.55
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZST	19.2	190	Pg	20:30:17.28			0.68
			Sg	30:19.97			0.59
SMOL	26.5	52	Pg	20:30:17.91			0.04
			Sg	30:21.33			-0.30
JAVC	67.0	35	Pg	20:30:25.24			0.19
			Sg	30:34.64			0.23
WINA	84.9	250	Pg	20:30:28.34			0.11
			Sg	30:40.74			0.66
SOP	87.7	210	Pg	20:30:28.73			0.00
			Sg	30:40.51			-0.47
KRUC	95.2	324	Pg	20:30:30.02			-0.04
			Sg	30:42.32			-1.03
RONA	97.6	221	Pg	20:30:30.19			-0.30
			Sg	30:43.45			-0.66
SRO	106.3	125	Pg	20:30:32.09			0.04
			Sg	30:44.98			-1.90
CONA	107.4	243	Pg	20:30:32.63			0.39
			Sg	30:46.54			-0.68
VRAC	112.5	339	Pg	20:30:32.98			-0.16
			Sg	30:46.94			-1.88
ABNA	131.2	285	Pn	20:30:35.10			-0.62
MPLH	136.1	168	Pn	20:30:35.89			-0.45
			Sn	30:54.30			-0.21
PKST	139.8	152	Pn	20:30:37.15			0.35
			Sn	30:54.35			-0.98
MORC	159.5	10	Pn	20:30:39.99			0.73
			Sn	31:00.37			0.66
ARSA	173.8	224	Pn	20:30:42.14			1.11
			Sn	31:05.24			2.37*
MORH	264.5	155	Pn	20:30:52.44			0.10
PKSM	264.8	155	Pn	20:30:52.49			0.11

Földrengés paraméterek

Hypocenter Parameters

339.

2023-04-08 time: 4:07:09.39 UTC ML= 1.5
 lat: 47.890N lon: 20.653E h= 10.2 km
 erh= 3.4km erz= 4.5km
 nr= 6 gap=220 rms=0.32
 Locality: Tibolddaróc
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	56.8	273	Pg	4:07:19.70	0.00
			Sg	07:27.29	-0.45
ABAH	62.8	44	Pg	4:07:20.99	0.24
			Sg	07:28.86	-0.76
KECS	67.2	349	Sg	4:07:31.40	0.42
PENC	103.3	264	P*	4:07:27.96	0.06

340.

2023-04-08 time: 14:41:22.28 UTC ML= 1.3
 lat: 45.920N lon: 16.033E h= 8.3 km
 erh= 1.2km erz= 1.4km
 nr= 8 gap=181 rms=0.17
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.2	249	Pg	14:41:24.15	0.01
			Sg	41:25.52	-0.06
ZAG	10.5	197	Pg	14:41:24.55	-0.13
			Sg	41:26.55	0.00
CRES	46.0	257	Pg	14:41:30.65	0.03
			Sg	41:37.34	0.21
KOGS	61.1	16	Sg	14:41:42.15	0.27
GROS	72.8	326	Sg	14:41:44.85	-0.73

341.

2023-04-08 time: 23:38:00.39 UTC ML= 2.0
 lat: 45.532N lon: 16.200E h= 2.2 km
 erh= 3.8km erz= 3.9km
 nr= 19 gap=161 rms=1.01
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	36.7	334	Pg	23:38:07.72	0.76
			Sg	38:13.74	1.66
PTJ	45.1	335	Pg	23:38:08.66	0.22
			Sg	38:15.31	0.59
R93E	55.6	106	Sg	23:38:17.46	-0.62
CRES	66.5	299	Pg	23:38:12.12	-0.15
			Sg	38:20.40	-1.14
RCF6	91.0	348	Pg	23:38:17.41	0.77
KOGS	101.9	2	Pg	23:38:18.48	-0.11
			Sg	38:30.61	-2.18
BLY	116.4	138	Pg	23:38:20.63	-0.55
			Sg	38:36.25	-1.15
GROS	116.6	332	Pg	23:38:21.49	0.28
			Sg	38:35.54	-1.91
PERS	148.6	326	Pn	23:38:25.95	0.28
			Sn	38:43.74	-1.66
KOVH	160.1	67	Sn	23:38:48.70	0.75
MORH	204.4	68	Pn	23:38:36.04	3.41
			Sn	39:01.50	3.72

342.

2023-04-10 time: 1:20:47.74 UTC ML= 1.2
 lat: 47.618N lon: 19.828E h= 14.5 km
 erh= 5.3km erz= 1.7km
 nr= 5 gap=232 rms=0.18
 Locality: Csány
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	33.7	9	Pg	1:20:54.15	-0.14
			Sg	20:59.45	0.04
BSZH	48.5	137	Sg	1:21:03.85	0.02
ABAH	129.6	54	Pn	1:21:09.35	0.27
			Sn	21:25.47	-0.26

343.

2023-04-10 time: 2:31:33.60 UTC ML= 1.6
 lat: 45.982N lon: 17.084E h= 17.4 km
 erh= 1.9km erz= 1.3km
 nr= 14 gap=166 rms=0.32
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	59.3	336	Pg	2:31:44.19	-0.43
			Sg	31:53.77	0.55
KOVH	79.6	81	P*	2:31:47.88	0.06
			S*	31:58.64	-0.27
KOGS	82.6	309	P*	2:31:48.35	0.07
			S*	31:59.30	-0.43
PKSV	91.2	97	P*	2:31:49.65	0.06
			S*	32:01.48	-0.59
PKS9	114.1	54	Sn	2:32:07.41	-0.07
PKSM	123.1	78	Sn	2:32:09.45	-0.04
MORH	123.4	78	Pn	2:31:54.36	0.56
			Sn	32:09.70	0.14
CRES	127.4	262	Sn	2:32:10.50	0.05
GROS	133.2	294	Sn	2:32:11.91	0.19
PERS	168.1	296	Sn	2:32:21.54	2.08*

344.

2023-04-10 time: 2:38:19.58 UTC ML= 1.9
 lat: 45.599N lon: 16.047E h= 10.0 km
 erh= 1.5km erz= 1.2km
 nr= 24 gap=124 rms=0.42
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	25.9	351	Pg	2:38:24.54	0.00
			Sg	38:28.30	-0.11
PTJ	34.2	348	Pg	2:38:25.55	-0.39
			Sg	38:30.13	-0.77
GCIS	44.2	312	iPg	2:38:27.86	0.18
			eSg	38:34.40	0.41
CRES	52.5	299	Pg	2:38:29.00	-0.11
			Sg	38:36.52	-0.03
GOLS	56.4	324	ePg	2:38:29.97	0.17
			eSg	38:37.70	-0.07
BOJS	63.0	260	iPg	2:38:31.07	0.10
			eSg	38:39.72	-0.14
DOBS	75.9	324	iPg	2:38:33.32	0.07
			eSg	38:43.63	-0.28
KOGS	95.7	9	PgU	2:38:37.30	0.54
			Sg	38:49.82	-0.34
VISS	96.8	284	iPg	2:38:36.72	-0.23
GROS	104.7	336	P*	2:38:38.55	0.23
			S*	38:51.16	-1.78
BLY	130.0	137	Sn	2:38:57.69	-0.99
PERS	135.9	328	Pn	2:38:43.40	1.12
			Sn	38:59.21	-0.77
SOKA	143.3	327	Sn	2:39:01.76	0.13
PKSV	174.6	79	Sn	2:39:09.11	0.54

Hypocenter Parameters

Földrengés paraméterek

345.

2023-04-10 time: 4:27:17.24 UTC ML= 1.6
 lat: 45.960N lon: 17.067E h= 17.3 km
 erh= 3.7km erz= 2.8km
 nr= 15 gap=168 rms=0.61
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	61.0	338	Pg	4:27:28.53			-0.02
			Sg		27:37.95		0.57
KOVH	81.2	80	P*	4:27:31.57			-0.15
			S*		27:42.56		-0.46
KOGS	83.1	311	P*	4:27:31.96			-0.05
			S*		27:43.39		-0.15
PTJ	86.3	266	S*	4:27:42.96			-1.43
PKSV	92.3	95	S*	4:27:45.33			-0.69
PKSM	124.9	77	Pn	4:27:37.89			0.25
			Sn		27:53.23		-0.32
MORH	125.2	77	Pn	4:27:38.22			0.54
			Sn		27:53.64		0.02
CRES	125.9	263	Sn	4:27:55.89			2.13
GROS	133.0	295	Sn	4:27:55.23			-0.11
PERS	168.0	297	Sn	4:28:06.72			3.61*

346.

2023-04-10 time: 5:57:51.44 UTC ML= 1.6
 lat: 45.961N lon: 17.124E h= 14.1 km
 erh= 1.5km erz= 0.8km
 nr= 11 gap=199 rms=0.17
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	62.7	335	Pg	5:58:03.02			0.10
			Sg		58:11.63		-0.24
KOVH	76.9	79	Pg	5:58:05.21			-0.19
			Sg		58:16.48		0.20
PKSV	87.9	95	P*	5:58:07.40			0.17
			S*		58:19.30		-0.25
PKSM	120.6	77	Pn	5:58:11.95			0.24
			Sn		58:27.48		-0.04
MORH	120.9	76	Pn	5:58:11.79			0.04
			Sn		58:27.44		-0.15
GROS	137.0	294	Pn	5:58:13.63			-0.12
PERS	171.9	296	Sn	5:58:40.70			1.79*

347.

2023-04-10 time: 6:32:51.79 UTC ML= 1.8
 lat: 45.971N lon: 17.107E h= 14.0 km
 erh= 2.5km erz= 1.7km
 nr= 14 gap=167 rms=0.50
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	61.1	335	Pg	6:33:03.31			0.33
			Sg		33:12.07		0.36
KOVH	78.0	80	Pg	6:33:05.73			-0.20
			Sg		33:16.30		-0.66
KOGS	84.8	309	P*	6:33:06.63			-0.49
			S*		33:17.39		-1.69
PKSV	89.3	96	S*	6:33:19.43			-0.88
PKSM	121.6	77	Pn	6:33:12.62			0.41
			Sn		33:28.19		0.06
MORH	121.9	77	Pn	6:33:12.66			0.42
CRES	129.1	263	Pn	6:33:13.40			0.26
			Sn		33:30.12		0.34
GROS	135.3	294	Sn	6:33:30.61			-0.56
MPLH	137.4	14	Sn	6:33:32.32			0.70

348.

2023-04-10 time: 7:08:14.73 UTC ML= 1.9
 lat: 45.971N lon: 17.085E h= 11.4 km
 erh= 4.4km erz= 2.7km
 nr= 16 gap=167 rms=0.94
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	60.4	337	Sg	7:08:35.49			1.22
			Pg		7:08:29.64		0.53
KOVH	79.7	81	Pg	7:08:29.64			0.53
			Sg		08:40.42		0.10
KOGS	83.4	309	Pg	7:08:27.76			-2.01
			Sg		08:39.19		-2.31
PKSV	91.0	96	Sg	7:08:42.86			-1.03
PKS9	114.7	53	Sn	7:08:49.50			-0.63
PKSM	123.3	77	Pn	7:08:35.90			0.21
			Sn		08:51.24		-0.80
MORH	123.6	77	Pn	7:08:36.49			0.76
			Sn		08:51.63		-0.48
CRES	127.4	263	Pn	7:08:37.21			1.02
			Sn		08:51.57		-1.36
GROS	133.7	294	Pn	7:08:36.82			-0.17
			Sn		08:53.97		-0.38
PERS	168.7	296	Sn	7:09:04.29			2.18

349.

2023-04-11 time: 0:39:19.73 UTC ML= 1.5
 lat: 45.990N lon: 17.084E h= 8.0 km
 erh= 7.3km erz= 3.3km
 nr= 10 gap=165 rms=0.75
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOVH	79.4	82	Pg	0:39:34.13			0.15
			Sg		39:44.77		-0.32
KOGS	82.1	308	Pg	0:39:34.44			-0.01
			Sg		39:45.59		-0.35
PKSV	91.3	97	Sg	0:39:47.70			-1.15
PKSM	122.9	78	Pn	0:39:41.90			0.84
			Sn		39:56.78		-0.93
MORH	123.2	78	Pn	0:39:42.42			1.32
			Sn		39:56.86		-0.91
CRES	127.6	262	Sn	0:39:58.19			-0.55

350.

2023-04-11 time: 3:19:23.70 UTC ML= 0.8
 lat: 47.205N lon: 18.080E h= 12.1 km
 erh= 2.9km erz= 2.5km
 nr= 10 gap=127 rms=0.35
 Locality: Várpalota
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	6.9	330	PgU	3:19:26.16			-0.03
			Sg		19:27.77		-0.36
CSKK	22.3	38	Pg	3:19:28.71			0.49
			Sg		19:31.88		0.13
PKSG	31.4	49	Pg	3:19:29.49			-0.21
			Sg		19:34.42		0.04
TIH	36.8	203	Pg	3:19:30.69			0.08
PKB5	84.2	144	Sg	3:19:36.83			0.84
			Pg		3:19:38.31		-0.58
PKSM	118.4	159	Sn	3:19:59.80			0.05

Földrengés paraméterek

Hypocenter Parameters

351.

2023-04-11 time: 7:07:23.02 UTC ML= 1.5
 lat: 47.288N lon: 18.345E h= 0.0 km
 erh= 2.1km erz= 5.0km
 nr= 13 gap=110 rms=0.63
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.5	323	Pg	7:07:25.08	0.18
			Sg	07:25.86	-0.50
PKSG	12.0	17	Pg	7:07:25.39	0.22
			Sg	07:26.76	-0.09
PKST	23.7	262	Pg	7:07:27.35	0.09
			Sg	07:29.50	-1.06
MPLH	62.4	258	Pg	7:07:34.55	0.39
MORH	121.4	169	Pg	7:07:45.43	0.74
			Sg	08:00.22	-1.38
PKSM	121.8	169	Pg	7:07:45.43	0.67
			Sg	08:00.57	-1.15
PSZ	136.0	59	Pn	7:07:46.95	-0.06
			Sn	08:03.58	-2.14

352.

2023-04-11 time: 8:06:50.29 UTC ML= 1.9
 lat: 48.473N lon: 17.503E h= 0.0 km
 erh= 2.4km erz= 3.1km
 nr= 13 gap=208 rms=0.59
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	7.1	310	Pg	8:06:52.38	0.82
			Sg	06:53.12	0.57
ZST	42.8	224	Sg	8:07:04.16	0.28
JAVC	44.7	16	Pg	8:06:58.64	0.37
			Sg	07:04.27	-0.23
KRUC	104.5	309	Sg	8:07:22.94	-0.56
			Pg	8:07:11.01	0.30
VRAC	114.3	324	Sg	07:25.74	-0.90
			Pg	8:07:12.21	-0.29
RONA	124.4	226	Sg	07:29.17	-0.66
			Pn	8:07:14.81	0.50
CONA	136.2	244	Sn	07:31.67	-1.37
			Pn	8:07:14.70	-0.71

353.

2023-04-11 time: 8:14:52.02 UTC ML= 2.0
 lat: 48.225N lon: 21.258E h= 0.0 km
 erh= 2.3km erz= 4.3km
 nr= 10 gap=155 rms=0.69
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	8.0	350	Pg	8:14:53.80	0.35
			Sg	14:55.06	0.49
KECS	64.0	297	Pg	8:15:04.21	0.75
			Sg	15:12.04	-0.34
TRPA	95.9	96	Pg	8:15:09.46	0.32
			Sg	15:21.35	-1.14
PSZ	107.2	251	Sg	8:15:25.03	-1.06
KOLS	108.7	44	Pg	8:15:11.80	0.37
			Sg	15:26.05	-0.52
NIE	149.8	332	Sn	8:15:36.30	-1.49

354.

2023-04-11 time: 10:00:01.16 UTC ML= 2.0
 lat: 48.155N lon: 16.910E h= 0.0 km
 erh= 2.4km erz= 648km
 nr= 6 gap=150 rms=0.39
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.0	72	Pg	10:00:04.06	0.23
			Sg	00:05.23	-0.69
RONA	68.3	222	Pg	10:00:13.68	0.32
			Sg	00:22.21	-0.67
CONA	82.2	252	Sg	10:00:27.22	-0.06
KRUC	107.7	339	Sg	10:00:35.60	0.19

355.

2023-04-11 time: 13:35:38.91 UTC ML= 1.9
 lat: 47.111N lon: 19.312E h= 0.0 km
 erh= 4.0km erz= 7.2km
 nr= 15 gap=181 rms=0.84
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	13.5	239	Pg	13:35:42.06	0.74
			Sg	35:43.90	0.71
PKB1	53.7	228	Pg	13:35:48.47	-0.03
PKB5	72.2	217	Pg	13:35:53.09	1.28
PENC	75.6	358	Pg	13:35:53.56	1.14
PKS9	98.0	234	Pg	13:35:56.65	0.24
PKST	98.2	280	Pg	13:35:56.36	-0.10
			Sg	36:08.20	-1.94
PSZ	100.0	26	PgU	13:35:56.30	-0.46
			Sg	36:09.45	-1.24
MORH	111.8	207	Pg	13:35:58.88	0.00
			Sg	36:12.26	-2.20
PKSM	112.3	207	Pg	13:35:58.57	-0.40
			Sg	36:13.20	-1.41
KOVH	146.8	219	Pn	13:36:04.20	-0.05

356.

2023-04-11 time: 15:17:47.55 UTC ML= 1.6
 lat: 46.110N lon: 21.747E h= 0.0 km
 erh= 5.2km erz= ***km
 nr= 7 gap=214 rms=0.78
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BZS	55.7	190	Pg	15:17:57.44	-0.05
			Sg	18:04.56	-0.69
DEV	93.1	106	Sg	15:18:15.69	-1.44
DRGR	106.0	44	Pg	15:18:07.12	0.64
			Sg	18:20.13	-1.12
GZR	113.0	135	Pg	15:18:08.64	0.92
			Sg	18:23.58	0.13

357.

2023-04-12 time: 8:17:17.18 UTC ML= 1.2
 lat: 46.183N lon: 18.252E h= 0.0 km
 erh= 1.1km erz= 8.0km
 nr= 10 gap=124 rms=0.31
 Locality: Mánfa
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	15.8	228	Pg	8:17:20.29	0.29
			Sg	17:22.17	-0.03
PKSM	30.2	84	Pg	8:17:22.17	-0.41

Hypocenter Parameters

Földrengés paraméterek

MORH 30.5 83 Sg 17:26.86 0.07
 Pg 8:17:22.64 0.01
 Sg 17:27.57 0.70
 PKSV 32.7 180 Pg 8:17:23.03 0.00
 Sg 17:27.41 -0.17
 PKST 120.8 352 Sg 8:17:55.35 -0.23
 PKSG 134.8 5 Sn 8:17:57.76 -1.86*

358.

2023-04-12 time: 8:22:41.05 UTC ML= 1.8
 lat: 48.582N lon: 18.816E h= 0.0 km
 erh= 3.6km erz= 4.5km
 nr= 11 gap=130 rms=1.03
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
JAVC	89.8	290	Pg	8:22:58.38	1.30
			Sg	23:08.86	-0.72
PENC	94.5	159	Pg	8:22:59.08	1.15
			Sg	23:10.12	-0.98
SMOL	102.7	266	Sg	8:23:13.01	-0.69
PSZ	108.9	133	Pg	8:23:00.96	0.47
			Sg	23:15.28	-0.38
KECS	123.8	95	Pg	8:23:03.70	0.54
			Sg	23:18.80	-1.60
PKSG	136.0	193	Sn	8:23:21.70	-2.07
MORC	162.2	325	Sn	8:23:28.74	-0.82

359.

2023-04-12 time: 8:30:21.75 UTC ML= 1.6
 lat: 48.889N lon: 21.093E h= 0.0 km
 erh= 2.8km erz= 5.7km
 nr= 9 gap= 91 rms=0.80
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	59.6	11	Sg	8:30:40.58	-0.13
KECS	63.6	225	Sg	8:30:40.80	-1.16
ABAH	66.9	171	Pg	8:30:34.60	0.91
			Sg	30:42.52	-0.49
NIE	81.9	316	Pg	8:30:37.23	0.86
			Sg	30:46.97	-0.80
KOLS	86.6	87	Pg	8:30:37.69	0.47
			Sg	30:48.38	-0.91
PSZ	139.8	219	Sn	8:31:04.19	-1.10

360.

2023-04-12 time: 8:35:22.64 UTC ML= 2.1
 lat: 45.645N lon: 17.300E h= 0.0 km
 erh= 2.6km erz= 3.8km
 nr= 18 gap=115 rms=0.86
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	78.9	70	Pg	8:35:37.73	1.01
			Sg	35:47.33	-0.38
KOVH	79.3	52	PgU	8:35:37.23	0.43
			Sg	35:47.29	-0.55
BLY	100.0	185	Pg	8:35:40.67	0.18
			Sg	35:53.25	-1.17
PTJ	108.2	285	Pg	8:35:41.87	-0.08
			Sg	35:55.27	-1.75
PKSM	121.6	59	Pg	8:35:44.31	-0.05
			Sg	35:59.46	-1.84
MORH	122.1	59	Pg	8:35:44.28	-0.15
			Sg	35:59.67	-1.76
RCF6	129.0	306	Pg	8:35:46.02	0.35
PKB4	138.3	47	Pn	8:35:47.74	0.82
CRES	144.9	278	Pn	8:35:47.95	0.22

GROS 166.1 303 Sn 36:04.68 -2.63
 Pn 8:35:51.83 1.45
 Sn 36:12.37 0.34

361.

2023-04-12 time: 8:41:06.65 UTC ML= 1.0
 lat: 47.192N lon: 18.230E h= 0.0 km
 erh= 1.0km erz= 332km
 nr= 9 gap=135 rms=0.25
 Locality: Csőr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	16.6	297	PgU	8:41:09.26	-0.36
			Sg	41:12.11	0.18
CSKK	19.2	7	Pg	8:41:10.08	0.00
			Sg	41:13.44	0.68
PKSG	25.4	29	Pg	8:41:11.10	-0.07
			Sg	41:14.50	-0.21
MPLH	52.4	267	Sg	8:41:23.56	0.25
PKSM	113.4	164	Pg	8:41:27.09	0.20
			Sg	41:42.48	-0.19

362.

2023-04-12 time: 8:46:56.24 UTC ML= 1.6
 lat: 48.940N lon: 19.798E h= 0.0 km
 erh= 2.7km erz= 863km
 nr= 9 gap=138 rms=0.67
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	33.6	314	Pg	8:47:02.29	0.05
			Sg	47:06.46	-0.46
NIE	65.2	35	Pg	8:47:08.49	0.61
			Sg	47:16.63	-0.33
KECS	71.8	135	Sg	8:47:18.59	-0.46
PSZ	113.9	176	Pg	8:47:16.69	0.12
			Sg	47:30.62	-1.81
ABAH	128.2	124	Pg	8:47:20.07	0.93
			Sg	47:35.94	-1.05

363.

2023-04-12 time: 8:58:48.75 UTC ML= 1.6
 lat: 48.498N lon: 17.308E h= 0.0 km
 erh= 3.1km erz= 5.5km
 nr= 9 gap=126 rms=0.81
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	9.1	79	Pg	8:58:49.72	-0.65
			Sg	58:50.03	-1.61
ZST	36.8	204	Sg	8:59:00.58	0.12
JAVC	48.3	34	Pg	8:58:58.05	0.68
			Sg	59:04.08	-0.01
KRUC	91.9	313	Sg	8:59:18.18	0.23
RONA	116.4	220	Pg	8:59:10.24	0.70
CONA	124.8	240	Sg	8:59:26.91	-1.50
MORC	143.3	7	Sn	8:59:33.95	0.88

364.

2023-04-12 time: 9:41:59.74 UTC ML= 1.6
 lat: 48.592N lon: 20.787E h= 0.0 km
 erh= 8.2km erz= 9.7km
 nr= 7 gap=230 rms=1.02
 Locality: Slovakia
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KECS	25.3	241	Pg	9:42:04.33	0.07
			Sg	42:06.88	-0.91
ABAH	47.0	135	Pg	9:42:08.24	0.12
			Sg	42:14.86	0.19
PSZ	100.0	221	Pg	9:42:18.96	1.36
			Sg	42:30.40	-1.13
TRPA	139.6	112	Sn	9:42:39.91	-3.34

365.

2023-04-12 time: 10:25:03.37 UTC ML= 0.8
 lat: 47.213N lon: 18.279E h= 0.0 km
 erh= 1.8km erz= 230km
 nr= 6 gap=263 rms=0.13
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.8	355	Pg	10:25:06.27	-0.10
			Sg	25:08.89	0.18
PKST	19.3	286	Pg	10:25:06.79	-0.02
			Sg	25:09.45	-0.04
PKSG	21.6	23	Pg	10:25:07.40	0.17
			Sg	25:10.01	-0.24

366.

2023-04-12 time: 10:44:55.95 UTC ML= 1.9
 lat: 48.431N lon: 17.249E h= 0.0 km
 erh= 1.8km erz= 2.3km
 nr= 23 gap= 88 rms=0.76
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	16.2	55	Pg	10:44:58.74	-0.10
			Sg	45:01.67	0.57
ZST	28.3	203	Pg	10:45:01.82	0.82
			Sg	45:04.80	-0.14
JAVC	56.9	33	Pg	10:45:06.45	0.34
			Sg	45:13.02	-1.01
KRUC	94.1	318	Pg	10:45:12.98	0.22
			Sg	45:25.46	-0.41
SOP	97.8	212	Sg	10:45:27.15	0.12
			Pg	10:45:15.70	0.47
RONA	107.9	221	Sg	45:28.57	-1.69
			Pg	10:45:15.13	-0.24
VRAC	108.8	334	Sg	45:29.69	-0.83
			Pg	10:45:17.01	0.11
CONA	117.3	242	Sg	45:32.00	-1.24
			Sn	10:45:38.51	-1.21
MPLH	141.9	171	Sn	10:45:39.16	-0.80
PKST	143.0	156	Sn	10:45:38.61	-1.60
			Pn	10:45:22.10	1.20
PKSG	143.7	144	Sn	45:40.25	-0.11
			Pn	10:45:23.27	1.43
MORC	151.2	8	Sn	45:41.19	-0.84
			Sn	10:45:49.87	0.53
ARSA	184.2	225	Sn	10:45:49.87	0.53

367.

2023-04-12 time: 12:27:03.06 UTC ML= 1.2
 lat: 47.916N lon: 16.145E h= 0.0 km
 erh= 3.3km erz= 874km
 nr= 6 gap=146 rms=0.51
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	21.2	274	Pg	12:27:07.09	0.25
			Sg	27:09.13	-0.67
RONA	26.6	155	Pg	12:27:08.03	0.23
			Sg	27:10.90	-0.60
KRUC	128.8	8	Pg	12:27:26.63	0.57

Sg 27:43.09 -0.91

368.

2023-04-12 time: 13:02:08.04 UTC ML= 1.1
 lat: 47.400N lon: 18.601E h= 0.0 km
 erh= 3.9km erz= 3.9km
 nr= 6 gap=272 rms=0.26
 Locality: Tabajd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	15.9	267	Pg	13:02:10.84	-0.04
			Sg	02:13.73	0.63
CSKK	26.1	261	Sg	13:02:16.40	0.08
			Pg	13:02:16.08	-0.11
PKST	45.6	250	Sg	02:22.11	-0.43
			Sn	13:02:50.05	0.18

369.

2023-04-13 time: 6:09:48.32 UTC ML= 1.6
 lat: 46.020N lon: 22.806E h= 0.0 km
 erh= 3.2km erz= 5.9km
 nr= 10 gap=115 rms=0.72
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.0	154	Pg	6:09:51.68	0.32
			Sg	09:53.17	-0.55
GZR	69.7	182	Pg	6:10:01.07	0.30
			Sg	10:08.43	-2.06
DRGR	86.1	355	Pg	6:10:03.89	0.20
			Sg	10:14.14	-1.54
BZS	102.8	244	Pg	6:10:07.33	0.65
			Sg	10:20.72	-0.27
VOIR	186.3	110	Pn	6:10:19.23	0.65
			Sn	10:41.53	-0.65

370.

2023-04-13 time: 6:48:00.29 UTC ML= 1.4
 lat: 47.985N lon: 20.655E h= 0.0 km
 erh= 6.0km erz= ***km
 nr= 6 gap=211 rms=0.71
 Locality: Kisgyőr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	55.6	52	Pg	6:48:10.98	0.77
			Sg	48:16.85	-1.10
KECS	56.8	347	Pg	6:48:10.90	0.47
			Sg	48:17.28	-1.06
PSZ	57.3	263	Pg	6:48:10.67	0.15
			Sg	48:17.71	-0.79

371.

2023-04-13 time: 7:51:49.41 UTC ML= 1.6
 lat: 46.011N lon: 22.796E h= 0.0 km
 erh= 3.0km erz= 6.0km
 nr= 10 gap=114 rms=0.70
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	16.5	150	Pg	7:51:52.82	0.47
			Sg	51:53.39	-1.25
GZR	68.7	181	Pg	7:52:02.62	0.95
			Sg	52:10.92	-0.32
DRGR	87.0	356	Pg	7:52:05.28	0.34
			Sg	52:16.08	-0.98
BZS	101.6	244	Pg	7:52:07.16	-0.40

Hypocenter Parameters

VOIR 186.7 110 Sg 52:21.40 -0.31
Pn 7:52:20.31 0.59
Sn 52:41.91 -1.45

372.

2023-04-13 time: 8:23:26.02 UTC ML= 1.8
lat: 48.518N lon: 17.465E h= 0.0 km
erh= 2.9km erz= 2.7km
nr= 12 gap=195 rms=0.73
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	2.8	260	PgU	8:23:27.04	0.53
			Sg	23:27.51	0.61
JAVC	40.8	22	Pg	8:23:33.83	0.53
			Sg	23:39.13	0.14
ZST	44.8	217	Sg	8:23:40.14	-0.12
KRUC	99.2	308	Pg	8:23:44.73	1.00
			Sg	23:56.11	-1.44
RONA	126.0	224	Pg	8:23:48.30	-0.21
			Sg	24:05.39	-0.67
CONA	136.0	241	Pn	8:23:49.85	-0.16
			Sn	24:06.85	-1.88
MORC	140.1	2	Sn	8:24:08.76	-0.87

373.

2023-04-13 time: 8:50:36.91 UTC ML= 1.3
lat: 48.618N lon: 20.795E h= 0.0 km
erh= 1.2km erz= 3.1km
nr= 6 gap=134 rms=0.58
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.3	237	Pg	8:50:41.93	0.14
			Sg	50:44.91	-0.69
ABAH	48.7	137	Pg	8:50:45.93	0.33
			Sg	50:52.73	0.35
NIE	95.7	338	Sg	8:51:07.41	0.08
TRPA	140.2	113	Sn	8:51:18.17	-2.37

374.

2023-04-13 time: 8:55:28.21 UTC ML= 1.4
lat: 47.897N lon: 19.110E h= 0.0 km
erh= 4.9km erz= 957km
nr= 6 gap=189 rms=0.55
Locality: Berkenye
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.5	133	Pg	8:55:31.66	0.33
			Sg	55:33.39	-0.38
PSZ	58.7	88	Pg	8:55:39.41	0.72
			Sg	55:46.14	-0.73
PKST	107.6	229	Sg	8:56:01.95	-0.46
KECS	121.3	58	Sg	8:56:06.18	-0.58

375.

2023-04-13 time: 9:22:08.14 UTC ML= 1.9
lat: 48.281N lon: 21.231E h= 0.0 km
erh= 4.4km erz= 5.3km
nr= 14 gap=148 rms=1.15
Locality: Abaújalpár
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	1.7	21	PgU	9:22:08.23	-0.22
			Sg	22:09.91	1.22
KECS	59.6	292	Pg	9:22:18.32	-0.46

Földrengés paraméterek

TRPA 98.7 100 Sg 22:25.09 -1.99
Pg 9:22:25.56 -0.20
Sg 22:37.30 -2.20
KOLS 105.6 47 Pg 9:22:28.06 1.06
Sg 22:40.90 -0.82
PSZ 107.4 248 Pg 9:22:28.30 0.98
Sg 22:42.00 -0.28
NIE 143.3 332 Pn 9:22:34.01 0.97
Sn 22:50.92 -1.55
LANS 161.8 307 Pn 9:22:36.75 1.41
Sn 22:54.28 -2.29

376.

2023-04-13 time: 10:31:18.58 UTC ML= 1.8
lat: 48.136N lon: 16.852E h= 0.0 km
erh= 4.5km erz= 7.4km
nr= 10 gap=150 rms=0.94
Locality: Austria
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	19.8	70	Pg	10:31:21.88	-0.23
			Sg	31:23.68	-1.19
RONA	63.8	221	Pg	10:31:30.64	0.66
			Sg	31:37.85	-1.02
CONA	77.4	253	Pg	10:31:33.03	0.64
			Sg	31:42.34	-0.83
JAVC	100.7	37	Pg	10:31:38.15	1.60
KRUC	108.4	342	Pg	10:31:37.85	-0.08
VRAC	131.8	352	Pn	10:31:41.41	-0.63
			Sn	31:57.02	-3.33

377.

2023-04-13 time: 10:57:23.74 UTC ML= 1.2
lat: 48.460N lon: 20.792E h= 0.0 km
erh= 2.3km erz= 387km
nr= 5 gap=202 rms=0.17
Locality: Martonyi
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.8	276	Pg	10:57:28.03	0.22
			Sg	57:30.69	-0.30
ABAH	37.8	119	Pg	10:57:30.38	-0.11
			Sg	57:35.86	0.10
PSZ	89.9	228	Sg	10:57:52.29	-0.03

378.

2023-04-13 time: 13:14:27.10 UTC ML= 2.0
lat: 47.101N lon: 19.365E h= 0.0 km
erh= 5.2km erz= 911km
nr= 12 gap=186 rms=0.79
Locality: Tatárszentgyörgy
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.6	249	Pg	13:14:30.21	0.15
			Sg	14:32.33	-0.04
PKB1	56.0	231	Pg	13:14:37.32	0.22
PKB5	73.9	220	Pg	13:14:41.25	0.95
PENC	76.9	355	Pg	13:14:41.56	0.71
PKB4	88.8	221	Pg	13:14:43.75	0.79
PSZ	99.3	24	PgU	13:14:44.38	-0.46
			Sg	14:57.21	-1.46
MORH	112.8	209	Pg	13:14:47.12	-0.12
			Sg	15:00.89	-2.06
PKSM	113.3	209	Pg	13:14:47.12	-0.21
			Sg	15:01.05	-2.05

Földrengés paraméterek

Hypocenter Parameters

379.

2023-04-13 time: 17:14:31.90 UTC ML= 1.5
 lat: 45.912N lon: 18.669E h= 11.9 km
 erh= 3.1km erz= 2.5km
 nr= 19 gap=223 rms=0.70
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	32.5	265	Pg	17:14:37.77	-0.30
			Sg	14:42.84	-0.05
PKSM	33.4	356	Pg	17:14:37.80	-0.43
			Sg	14:42.32	-0.86
MORH	33.8	357	Pg	17:14:37.76	-0.55
			Sg	14:42.30	-1.01
KOVH	48.3	294	Pg	17:14:40.90	0.12
			Sg	14:47.36	-0.34
PKB4	65.2	356	Pg	17:14:44.90	1.17
			Sg	14:52.53	-0.43
PKB3	69.9	36	Pg	17:14:44.68	0.12
			Sg	14:55.35	0.91
PKB5	76.1	4	Sg	17:14:57.63	1.24
			Pg	17:14:46.69	0.20
PKS9	80.9	338	Sg	14:59.27	1.39
			P*	17:14:49.34	-0.01
PKB1	97.5	6	S*	15:01.62	-1.35
			S*	17:15:03.80	-0.68
PKS6	103.0	42	S*	17:15:03.80	-0.68
PKST	157.5	342	Sn	17:15:18.06	1.41

380.

2023-04-13 time: 19:10:09.45 UTC ML= 1.9
 lat: 47.752N lon: 22.501E h= 12.8 km
 erh= 3.9km erz= 3.1km
 nr= 12 gap= 93 rms=0.90
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	42.1	4	Pg	19:10:17.78	0.47
			Sg	10:23.41	-0.03
LTVH	60.9	228	Pg	19:10:20.79	0.22
			Pg	19:10:22.28	-0.81
BMR	75.3	97	Pg	19:10:22.28	-0.81
			Pn	19:10:28.62	0.31
DRGR	108.0	172	Sn	10:42.35	-0.68
			Pn	19:10:27.56	-1.23
ABAH	111.8	303	Sn	10:40.52	-3.35
			Pn	19:10:32.37	1.02
KOLS	132.4	353	Sn	10:50.06	1.63
			Sn	19:10:56.52	-0.41
KECS	170.6	298	Sn	19:10:56.52	-0.41
PSZ	196.0	275	Sn	19:11:03.99	1.43

381.

2023-04-14 time: 6:45:01.52 UTC ML= 1.5
 lat: 48.461N lon: 17.443E h= 0.0 km
 erh= 4.3km erz= 458km
 nr= 5 gap=290 rms=0.22
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.0	350	PgU	6:45:02.72	0.14
			Sg	45:03.21	-0.20
JAVC	47.3	21	Pg	6:45:09.65	-0.32
			Sg	45:16.81	0.25
KRUC	102.0	311	Pg	6:45:19.86	0.13

382.

2023-04-14 time: 8:13:23.88 UTC ML= 1.1
 lat: 46.133N lon: 18.087E h= 0.0 km
 erh= 2.1km erz= 291km
 nr= 8 gap=269 rms=0.21
 Locality: Abaliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.1	169	Pg	8:13:24.52	-0.27
			Sg	13:25.85	0.36
PKSV	30.0	155	Pg	8:13:29.29	0.04
			Sg	13:33.29	-0.14
PKSM	43.7	78	Pg	8:13:31.84	0.16
			Sg	13:37.47	-0.29
MORH	44.0	78	Pg	8:13:31.94	0.21
			Sg	13:37.65	-0.21

383.

2023-04-14 time: 8:48:59.99 UTC ML= 1.6
 lat: 47.947N lon: 19.760E h= 0.0 km
 erh= 6.6km erz= ***km
 nr= 6 gap=158 rms=0.85
 Locality: Tar
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	10.5	108	Pg	8:49:01.20	-0.67
			Sg	49:03.39	0.06
PENC	39.8	244	Sg	8:49:13.00	0.35
KECS	80.4	42	Sg	8:49:25.36	-0.17
ABAH	116.8	71	Pg	8:49:22.15	1.31
			Sg	49:35.77	-1.33

384.

2023-04-14 time: 9:06:46.62 UTC ML= 2.0
 lat: 48.251N lon: 21.227E h= 0.0 km
 erh= 2.9km erz= 789km
 nr= 9 gap=152 rms=0.60
 Locality: Tálya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	5.1	11	PgU	9:06:47.29	-0.23
			Sg	06:48.74	0.51
KECS	60.7	295	Pg	9:06:57.54	0.09
			Sg	07:05.41	-0.50
TRPA	98.5	98	Sg	9:07:16.48	-1.44
			Pg	9:07:06.07	0.53
PSZ	106.0	250	Sg	07:19.93	-0.36
			Pg	9:07:06.70	0.76
KOLS	108.2	46	Pg	9:07:06.70	0.76
			Sg	07:20.12	-0.89

385.

2023-04-14 time: 19:08:36.36 UTC ML= 1.8
 lat: 45.905N lon: 17.086E h= 20.7 km
 erh= 2.9km erz= 2.9km
 nr= 15 gap=175 rms=0.60
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	67.3	339	Pg	19:08:48.60	0.13
			Sg	08:58.12	0.21
KOVH	81.1	75	Pg	19:08:50.78	0.20
			Sg	09:01.56	-0.11
PTJ	87.6	270	Sg	19:09:01.71	-1.70
KOGS	88.4	313	Pg	19:08:51.50	-0.19
			Sg	09:02.61	-1.03
PKSV	90.5	91	Pg	19:08:51.86	-0.15

Hypocenter Parameters

PKSM 125.1 74 Sg 09:03.55 -0.66
 Pn 19:08:56.66 0.28
 Sn 09:11.42 -0.57
 MORH 125.4 74 Sn 19:09:12.98 0.91
 CRES 126.8 266 Pn 19:08:57.99 1.39
 Sn 09:12.58 0.20
 GROS 137.1 297 Sn 19:09:14.27 -0.38

386.

2023-04-15 time: 8:19:28.52 UTC ML= 1.4
 lat: 48.567N lon: 20.758E h= 0.0 km
 erh= 3.0km erz= 6.4km
 nr= 15 gap= 91 rms=1.17
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.2	245	Pg	8:19:32.61	0.12
			Sg	19:34.95	-0.63
ABAH	46.6	130	Pg	8:19:38.09	1.24
			Sg	19:42.90	-0.44
PSZ	96.5	222	Pg	8:19:46.30	0.54
			Sg	19:58.83	-0.37
NIE	100.2	341	Pg	8:19:48.19	1.77
			Sg	19:59.53	-0.85
STHS	101.0	21	Sg	8:19:57.80	-2.83
			Pg	8:19:48.50	-0.53
LANS	114.8	304	Sg	20:03.92	-1.11
			Pg	8:19:51.00	1.29
KOLS	118.6	70	Sg	20:04.23	-2.00
			Pn	8:19:53.35	0.26
TRPA	140.6	110	Sn	20:10.02	-2.23

387.

2023-04-15 time: 8:32:25.39 UTC ML= 2.0
 lat: 46.427N lon: 17.141E h= 37.5 km
 erh= 2.6km erz= 4.9km
 nr= 18 gap=128 rms=0.55
 Locality: Sand
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	28.5	280	Pg	8:32:32.91	-0.04
			Sg	32:38.97	0.13
KOGS	68.5	272	Pg	8:32:38.27	0.75
			Sg	32:45.73	-1.25
TIH	78.0	48	Pg	8:32:37.88	-0.81
			Sg	32:48.84	-0.22
KOVH	83.0	117	Pg	8:32:39.59	0.29
			Sg	32:49.44	-0.72
PKSV	104.6	125	Pg	8:32:42.15	0.16
			Sg	32:55.17	0.23
PTJ	108.5	237	Pg	8:32:42.26	-0.21
			Pg	8:32:42.79	0.04
PKSM	118.0	102	Pg	8:32:45.36	1.71
			Pg	8:32:44.40	-0.24
GROS	126.0	272	Sg	33:00.09	0.43
			Pg	8:32:46.97	-0.20
CRES	146.3	243	Sg	33:03.85	-0.31
			Sg	8:33:07.07	0.53

388.

2023-04-15 time: 8:37:42.25 UTC ML= 1.2
 lat: 46.263N lon: 18.222E h= 0.0 km
 erh= 3.0km erz= 739km
 nr= 9 gap=177 rms=0.55
 Locality: Kisvaszar
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	21.6	206	Pg	8:37:46.57	0.47
			Sg	37:49.56	0.45

Földrengés paraméterek

PKSM 32.8 100 Pg 8:37:48.57 0.46
 Sg 37:52.14 -0.54
 MORH 33.0 99 Pg 8:37:48.62 0.48
 Sg 37:51.95 -0.78
 PKSV 41.7 177 Pg 8:37:49.50 -0.19
 Sg 37:53.79 -1.71
 BEHE 113.7 282 Pg 8:38:02.14 -0.41

389.

2023-04-17 time: 7:35:56.70 UTC ML= 1.5
 lat: 48.610N lon: 20.769E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 7 gap=196 rms=0.78
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.3	236	Pg	7:36:01.70	0.49
			Sg	36:05.53	0.80
ABAH	49.3	135	Pg	7:36:05.93	0.43
			Sg	36:12.11	-0.26
PSZ	100.7	220	Sg	7:36:26.98	-1.72
			Pg	7:36:17.59	0.13
KOLS	116.2	72	Sg	36:32.14	-1.51

390.

2023-04-17 time: 7:37:41.02 UTC ML= 1.1
 lat: 45.874N lon: 18.411E h= 0.0 km
 erh= 1.5km erz= 6.8km
 nr= 8 gap=252 rms=0.27
 Locality: Villánykövesd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	12.4	277	Pg	7:37:43.12	-0.13
			Sg	37:44.86	-0.12
KOVH	33.9	315	Sg	7:37:52.12	0.32
			Pg	7:37:48.58	0.14
PKSM	41.5	25	Sg	37:53.96	-0.27
			Pg	7:37:48.62	0.15
MORH	42.0	25	Sg	37:54.26	-0.13
			Sn	7:38:21.57	-3.63*

391.

2023-04-17 time: 8:21:43.06 UTC ML= 1.5
 lat: 48.521N lon: 19.374E h= 0.0 km
 erh= 3.1km erz= 4.6km
 nr= 11 gap= 79 rms=0.96
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	70.3	6	Pg	8:21:56.43	0.82
			Pg	8:21:57.83	0.95
PSZ	77.4	150	Sg	22:07.36	-0.30
			Pg	8:21:58.81	1.19
PENC	81.6	185	Sg	22:07.99	-1.00
			Pg	8:21:58.03	0.29
KECS	82.2	93	Sg	22:08.53	-0.67
			Pg	8:22:04.58	-0.12
NIE	121.2	35	Sg	22:20.39	-1.18
			Sn	8:22:22.58	-2.06
JAVC	130.9	287	Sn	8:22:26.34	-1.53
PKSG	145.5	210	Sn		

Földrengés paraméterek

Hypocenter Parameters

392.

2023-04-17 time: 9:10:42.24 UTC ML= 1.6
 lat: 48.873N lon: 21.848E h= 0.0 km
 erh= 2.0km erz= 735km
 nr= 12 gap=114 rms=0.62
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	31.9	78	Pg	9:10:48.31	0.38
			Sg	10:52.03	-0.34
STHS	74.8	324	Pg	9:10:56.01	0.41
			Sg	11:04.95	-1.07
ABAH	78.3	215	Pg	9:10:56.72	0.49
			Sg	11:07.25	0.11
TRPA	97.1	148	Pg	9:10:59.67	0.09
			Sg	11:10.55	-2.56
KECS	109.3	247	Pg	9:11:01.86	0.10
			Sg	11:15.87	-1.12
NIE	127.4	298	Pg	9:11:05.46	0.48
			Sg	11:21.54	-1.18

393.

2023-04-17 time: 9:26:32.27 UTC ML= 0.7
 lat: 47.106N lon: 18.225E h= 0.0 km
 erh= 5.4km erz= ***km
 nr= 9 gap=141 rms=1.25
 Locality: Jenő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	22.3	320	Pg	9:26:37.85	1.59
			Sg	26:40.70	1.33
CSKK	28.7	5	Pg	9:26:37.94	0.53
			Sg	26:39.88	-1.53
PKSG	34.2	22	Pg	9:26:38.41	0.03
			Sg	26:41.60	-1.54
MPLH	52.5	278	Sg	9:26:46.59	-2.36
PKSM	104.4	162	Sg	9:27:06.08	0.64
KOVH	113.5	185	Sg	9:27:07.13	-1.22

394.

2023-04-17 time: 11:26:51.87 UTC ML= 1.1
 lat: 47.867N lon: 16.058E h= 0.0 km
 erh= 1.4km erz= 2.3km
 nr= 7 gap=126 rms=0.74
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	295	Pg	11:26:55.22	0.47
			Sg	26:57.73	0.73
RONA	25.8	136	Pg	11:26:56.86	0.38
			Sg	27:00.70	0.63
ARSA	79.5	210	Sg	11:27:16.12	-1.01
KRUC	135.2	11	Pn	11:27:15.33	-0.42
			Sn	27:32.47	-1.92

395.

2023-04-18 time: 7:33:05.77 UTC ML= 1.5
 lat: 47.318N lon: 18.431E h= 0.0 km
 erh= 2.5km erz= 627km
 nr= 7 gap=193 rms=0.41
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.8	339	Pg	7:33:07.51	0.17
			Sg	33:07.84	-0.72
CSKK	13.9	291	Pg	7:33:08.82	0.57

			Sg	33:09.74	-0.44
PKST	30.8	258	Sg	7:33:15.54	-0.01
MORH	123.6	172	Sg	7:33:44.69	-0.37
PKSM	124.0	173	Sg	7:33:45.17	-0.02

396.

2023-04-18 time: 8:57:42.66 UTC ML= 2.1
 lat: 48.235N lon: 21.254E h= 0.0 km
 erh= 2.4km erz= 2.5km
 nr= 19 gap=154 rms=0.94
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.9	351	Pg	8:57:44.26	0.38
			Sg	57:45.98	1.14
KECS	63.3	296	Sg	8:58:02.77	0.00
HOLU	89.8	69	Pg	8:58:00.14	1.45
			Sg	58:12.12	0.92
TRPA	96.3	97	Pg	8:58:00.34	0.49
			Sg	58:12.27	-0.99
PSZ	107.3	251	Pg	8:58:02.88	1.07
			Sg	58:15.72	-1.03
KOLS	108.1	44	Pg	8:58:02.47	0.51
			Sg	58:15.25	-1.76
MUKU	109.0	77	Pg	8:58:01.47	-0.65
			Sg	58:17.10	-0.20
STHS	131.4	360	Pn	8:58:05.86	-0.22
			Sn	58:22.60	-1.74
NIE	148.7	332	Sn	8:58:26.20	-1.98
PENC	155.2	251	Sn	8:58:28.63	-1.00
LANS	166.3	308	Sn	8:58:32.62	0.53
MEZ	170.3	80	Sn	8:58:32.31	-0.66

397.

2023-04-18 time: 9:00:13.08 UTC ML= 1.0
 lat: 47.209N lon: 18.319E h= 0.0 km
 erh= 1.8km erz= 540km
 nr= 10 gap=152 rms=0.42
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.7	346	Pg	9:00:16.38	0.15
			Sg	00:17.98	-0.72
PKSG	21.0	15	Pg	9:00:17.32	0.49
			Sg	00:19.43	-0.33
PKST	22.2	284	Pg	9:00:16.69	-0.36
			Sg	00:19.82	-0.32
MPLH	59.2	266	Pg	9:00:24.05	0.40
			Sg	00:32.23	0.33
PKSM	113.6	167	Pg	9:00:33.33	-0.03
			Sg	00:46.91	-2.27

398.

2023-04-18 time: 10:00:56.21 UTC ML= 1.4
 lat: 48.568N lon: 20.686E h= 0.0 km
 erh= 9.0km erz= ***km
 nr= 6 gap=249 rms=0.59
 Locality: Bódvaszilas
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	17.5	237	Pg	10:00:58.46	-0.88
			Sg	01:01.98	0.20
ABAH	50.9	126	Pg	10:01:05.54	0.23
			Sg	01:11.92	-0.48
PSZ	93.1	219	Pg	10:01:13.64	0.80
			Sg	01:25.73	-0.08

Hypocenter Parameters

Földrengés paraméterek

399.

2023-04-18 time: 12:43:24.14 UTC ML= 1.0
 lat: 47.518N lon: 18.569E h= 0.0 km
 erh= 4.9km erz= 3.8km
 nr= 9 gap=303 rms=0.40
 Locality: Nagyegyháza
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.4	224	Pg	12:43:28.02	0.41
			Sg	43:31.17	0.85
CSKK	28.9	234	Pg	12:43:29.15	-0.16
			Sg	43:32.98	-0.36
PKST	49.6	235	Pg	12:43:32.94	-0.06
			Sg	43:39.24	-0.66
MORH	144.9	178	Sn	12:44:08.16	-0.65
PKSM	145.3	178	Pn	12:43:49.53	0.24
			Sn	44:08.94	0.03

400.

2023-04-18 time: 13:29:32.73 UTC ML= 1.8
 lat: 47.301N lon: 16.347E h= 0.0 km
 erh= 1.8km erz= 5.9km
 nr= 24 gap= 85 rms=0.88
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	44.5	355	Pg	13:29:40.73	0.06
			Sg	29:46.01	-0.85
SOP	45.4	21	Pg	13:29:40.93	0.09
			Sg	29:46.09	-1.07
ARSA	62.6	265	Pg	13:29:44.68	0.78
			Sg	29:51.18	-1.44
EGYH	75.5	80	Pg	13:29:47.46	1.24
			Sg	29:56.58	-0.17
CONA	78.7	332	Pg	13:29:47.58	0.80
			Sg	29:57.44	-0.30
MPLH	91.5	99	Pg	13:29:49.61	0.54
			Sg	30:00.65	-1.17
KOGS	95.1	184	Pg	13:29:50.08	0.36
			Sg	30:01.66	-1.31
RCF6	111.6	195	Pg	13:29:53.29	0.63
GROS	113.5	215	Pg	13:29:53.29	0.30
			Sg	30:06.36	-2.44
PERS	119.3	232	Pg	13:29:54.27	0.23
			Sg	30:08.40	-2.25
SOKA	121.6	235	Pg	13:29:55.05	0.60
			Sg	30:11.06	-2.29
PKST	127.8	92	Pg	13:29:55.13	-0.42
			Sg	30:11.06	-2.29
KRUC	195.8	1	Pn	13:30:04.83	0.65
			Sn	30:26.86	-1.85

401.

2023-04-19 time: 6:13:33.78 UTC ML= 1.1
 lat: 47.985N lon: 16.105E h= 0.0 km
 erh= 0.8km erz= 1.8km
 nr= 6 gap=123 rms=0.08
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	19.3	251	Pg	6:13:37.27	0.05
			Sg	13:39.79	-0.12
RONA	34.8	156	Pg	6:13:40.10	0.11
			Sg	13:44.74	-0.11
SOP	47.7	135	Sg	6:13:48.90	-0.04
VRAC	151.5	14	Pn	6:13:59.66	-0.03

402.

2023-04-19 time: 7:14:29.53 UTC ML= 1.0
 lat: 47.995N lon: 16.609E h= 0.0 km
 erh= 6.2km erz=11.6km
 nr= 8 gap=135 rms=1.32
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	40.3	215	Pg	7:14:38.21	1.47
			Sg	14:42.18	-0.18
CONA	56.3	262	Pg	7:14:40.94	1.36
			Sg	14:45.92	-1.50
MPLH	115.4	143	Sg	7:15:06.22	0.00
ARSA	116.3	225	Sg	7:15:04.50	-1.99
KRUC	119.6	352	Sg	7:15:06.16	-1.40
PKST	134.9	127	Sn	7:15:10.81	-1.17

403.

2023-04-19 time: 8:59:14.31 UTC ML= 1.8
 lat: 46.870N lon: 17.353E h= 0.0 km
 erh= 2.5km erz= 6.2km
 nr= 18 gap= 94 rms=0.94
 Locality: Lesenceistvánd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	36.2	23	Pg	8:59:21.42	0.64
			Sg	59:25.80	-0.02
EGYH	60.8	358	Sg	8:59:33.08	-0.56
			PKST	67.4	50
CSKK	88.0	52	Sg	59:35.43	-0.31
			Pg	8:59:31.52	1.49
KOGS	96.6	241	Pg	8:59:32.53	0.97
			PKSG	97.8	54
CONA	78.7	332	Sg	59:44.19	-1.20
			KOVH	104.2	147
MPLH	91.5	99	Sg	59:46.23	-1.19
			RONA	122.0	319
MORH	122.9	126	Pg	8:59:36.84	0.58
			Sg	59:51.39	-1.99
PKSM	123.0	127	Pg	8:59:36.60	0.32
			Sg	59:51.71	-1.70
GROS	148.8	252	Sn	8:59:58.60	-1.26

404.

2023-04-19 time: 12:33:55.69 UTC ML= 1.8
 lat: 48.908N lon: 22.206E h= 0.0 km
 erh= 2.3km erz= 3.7km
 nr= 11 gap=112 rms=0.80
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	5.6	61	PgU	12:33:56.19	-0.50
			Sg	33:57.38	-0.10
HOLU	44.4	163	Sg	12:34:09.21	-0.58
TRPA	89.9	164	Pg	12:34:12.34	0.59
			Sg	34:25.93	1.66
STHS	90.1	309	Pg	12:34:12.65	0.87
			Sg	34:24.83	0.49
ABAH	98.6	226	Sg	12:34:26.63	-0.39
KECS	135.2	250	Pn	12:34:18.67	-0.91
			Sn	34:36.44	-1.77
NIE	149.3	292	Sn	12:34:41.29	-0.05

Földrengés paraméterek

Hypocenter Parameters

405.

2023-04-20 time: 3:31:49.08 UTC ML= 1.1
 lat: 45.948N lon: 16.050E h= 6.4 km
 erh= 2.3km erz= 1.3km
 nr= 6 gap=253 rms=0.15
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	8.9	233	Pg	3:31:50.99	-0.04
			Sg	31:52.17	-0.39
ZAG	13.9	198	Pg	3:31:51.97	0.16
			Sg	31:54.05	0.11
CRES	48.0	254	Sg	3:32:04.46	-0.01
BLY	160.2	146	Sn	3:32:35.62	-0.08

406.

2023-04-20 time: 6:32:57.87 UTC ML= 1.2
 lat: 47.974N lon: 16.082E h= 0.0 km
 erh= 2.4km erz= 717km
 nr= 7 gap=141 rms=0.48
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.2	253	Pg	6:33:01.19	0.24
			Sg	33:03.86	0.51
RONA	34.5	152	Pg	6:33:04.33	0.31
			Sg	33:08.71	-0.11
ARSA	90.8	208	Sg	6:33:25.69	-1.03
KRUC	123.2	11	Pg	6:33:19.90	0.04
			Sg	33:36.02	-1.00

407.

2023-04-20 time: 7:09:48.25 UTC ML= 1.3
 lat: 48.018N lon: 20.643E h= 0.0 km
 erh= 4.5km erz= ***km
 nr= 6 gap=144 rms=0.71
 Locality: Kisgyőr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	53.1	347	Pg	7:09:58.14	0.41
			Sg	10:03.78	-1.34
ABAH	54.1	55	Pg	7:09:58.69	0.78
			Sg	10:04.95	-0.49
PSZ	57.0	259	Sg	7:10:06.44	0.07
BSZH	84.7	200	Sg	7:10:14.34	-0.82

408.

2023-04-20 time: 8:59:47.40 UTC ML= 1.2
 lat: 47.379N lon: 18.377E h= 0.0 km
 erh= 5.4km erz= 426km
 nr= 6 gap=207 rms=0.25
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	1.7	36	PgU	8:59:47.49	-0.22
			Sg	59:48.00	0.05
CSKK	9.0	259	Pg	8:59:49.33	0.32
			Sg	59:50.23	-0.03
PKST	29.2	243	Pg	8:59:52.72	0.11
			Sg	59:56.14	-0.53

409.

2023-04-20 time: 9:00:38.32 UTC ML= 1.4
 lat: 47.326N lon: 18.441E h= 0.0 km
 erh= 1.6km erz= 536km
 nr= 9 gap=114 rms=0.41
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.3	332	PgU	9:00:39.94	0.14
			Sg	00:40.39	-0.56
CSKK	14.3	287	Pg	9:00:41.19	0.32
			Sg	00:42.97	0.10
PKST	31.7	256	Pg	9:00:44.32	0.34
			Sg	00:47.32	-1.07
MORH	124.4	173	Sg	9:01:18.11	0.26
PKSM	124.8	173	Sg	9:01:17.60	-0.39
PSZ	127.6	59	Sg	9:01:18.44	-0.43

410.

2023-04-20 time: 9:17:26.87 UTC ML= 1.6
 lat: 48.612N lon: 21.451E h= 0.0 km
 erh= 3.1km erz= 6.0km
 nr= 14 gap= 80 rms=1.09
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	38.5	204	Pg	9:17:34.74	1.00
			Sg	17:40.69	1.60
KOLS	70.2	59	Pg	9:17:41.39	1.98
			Sg	17:48.83	-0.36
KECS	72.7	259	Pg	9:17:39.59	-0.26
			Sg	17:48.91	-1.06
STHS	90.8	350	Pg	9:17:42.57	-0.51
			Sg	17:56.50	0.78
TRPA	96.8	124	Pg	9:17:44.13	-0.03
			Sg	17:55.64	-2.00
NIE	122.4	317	Pg	9:17:48.36	-0.36
			Sg	18:03.31	-2.46
PSZ	138.9	236	Pn	9:17:51.65	0.43
			Sn	18:08.86	-1.36

411.

2023-04-20 time: 9:19:46.78 UTC ML= 1.0
 lat: 47.212N lon: 18.293E h= 0.0 km
 erh= 4.6km erz= 602km
 nr= 6 gap=265 rms=0.38
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.0	352	Pg	9:19:49.38	-0.44
			Sg	19:51.57	-0.62
PKST	20.3	285	Pg	9:19:50.63	0.23
			Sg	19:53.36	0.13
PKSG	21.3	20	Pg	9:19:50.71	0.12
			Sg	19:54.22	0.66

412.

2023-04-21 time: 7:04:08.91 UTC ML= 1.5
 lat: 48.510N lon: 17.512E h= 0.0 km
 erh= 3.0km erz= 3.2km
 nr= 12 gap=204 rms=0.97
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.2	274	Pg	7:04:10.26	0.25
			Sg	04:11.05	0.17

Hypocenter Parameters

MODS	23.0	229	Pg	7:04:14.01	0.99
			Sg	04:16.46	0.23
JAVC	40.6	17	Pg	7:04:16.79	0.63
			Sg	04:21.87	0.06
ZST	46.2	221	Sg	7:04:23.65	0.05
KRUC	102.5	307	Sg	7:04:40.64	-0.85
RONA	127.7	225	Pg	7:04:32.48	0.76
			Sg	04:47.27	-2.24
CONA	138.6	242	Sn	7:04:50.15	-2.05
MORC	140.9	1	Sn	7:04:50.99	-1.72

413.

2023-04-21 time: 7:25:10.78 UTC ML= 1.3
 lat: 48.006N lon: 20.324E h= 0.0 km
 erh= 3.3km erz= 647km
 nr= 8 gap=188 rms=0.46
 Locality: Szarvaskő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	33.5	253	Pg	7:25:16.93	0.16
			Sg	25:21.62	0.18
KECS	54.4	13	Pg	7:25:20.34	-0.15
			Sg	25:28.01	-0.06
ABAH	75.4	65	Pg	7:25:24.82	0.59
			Sg	25:33.96	-0.77
PENC	81.6	253	Pg	7:25:25.38	0.04
			Sg	25:34.99	-1.71

414.

2023-04-21 time: 7:34:34.38 UTC ML= 1.8
 lat: 48.423N lon: 17.201E h= 0.0 km
 erh= 1.1km erz= 3.3km
 nr= 17 gap= 79 rms=0.47
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.9	134	PgU	7:34:35.89	0.11
			Sg	34:36.67	-0.21
SMOL	19.6	59	Pg	7:34:37.59	-0.29
			Sg	34:40.15	-0.46
ZST	26.3	196	Sg	7:34:42.75	0.02
JAVC	59.5	35	Pg	7:34:45.57	0.56
			Sg	34:52.98	-0.33
KRUC	92.5	320	Pg	7:34:51.59	0.69
			Sg	35:03.57	-0.22
RONA	105.0	220	Pg	7:34:53.25	0.12
			Sg	35:06.79	-0.96
VRAC	108.1	336	Pg	7:34:54.39	0.71
			Sg	35:08.16	-0.57
CONA	113.8	241	Pg	7:34:54.82	0.12
			Sg	35:09.84	-0.72
MORC	152.6	9	Pn	7:35:00.26	-0.18
			Sn	35:19.28	-1.48

415.

2023-04-21 time: 7:55:15.20 UTC ML= 1.9
 lat: 46.017N lon: 22.821E h= 0.0 km
 erh= 5.5km erz= 9.3km
 nr= 9 gap=116 rms=1.16
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	16.2	157	Pg	7:55:18.29	0.20
			Sg	55:20.98	0.63
GZR	69.4	183	Pg	7:55:27.31	-0.29
			Sg	55:36.32	-0.95
DRGR	86.5	354	Pg	7:55:32.68	2.04
			Sg	55:40.75	-1.94
BZS	103.6	245	Sg	7:55:47.23	-0.91

Földrengés paraméterek

VOIR	185.1	110	Pn	7:55:45.81	0.50
			Sn	56:06.85	-1.95

416.

2023-04-21 time: 8:43:54.17 UTC ML= 1.7
 lat: 46.057N lon: 22.878E h= 0.0 km
 erh= 3.1km erz= 6.1km
 nr= 10 gap=121 rms=0.59
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.4	174	Pg	8:43:57.89	0.26
			Sg	44:00.73	0.40
GZR	74.2	186	Pg	8:44:07.38	-0.04
			Sg	44:16.71	-1.04
DRGR	82.7	351	Pg	8:44:08.92	-0.02
			Sg	44:19.67	-0.78
BZS	109.5	243	Pg	8:44:14.34	0.61
			Sg	44:28.26	-0.73
VOIR	182.5	112	Pn	8:44:24.78	0.82
			Sn	44:45.57	-1.63

417.

2023-04-21 time: 8:54:31.29 UTC ML= 1.4
 lat: 48.610N lon: 20.785E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 7 gap=194 rms=0.93
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.2	237	Pg	8:54:36.56	0.58
			Sg	54:39.22	-0.41
ABAH	48.5	136	Pg	8:54:40.55	0.60
			Sg	54:46.11	-0.60
PSZ	101.4	221	Sg	8:55:02.15	-1.38
LANS	113.8	302	Pg	8:54:52.37	0.76
			Sg	55:05.20	-2.26

418.

2023-04-21 time: 9:57:42.66 UTC ML= 1.1
 lat: 47.087N lon: 18.004E h= 0.0 km
 erh= 1.8km erz=14.4km
 nr= 12 gap=108 rms=0.58
 Locality: Litér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.2	7	Pg	9:57:46.03	-0.06
			Sg	57:48.38	-0.39
CSKK	36.3	32	Pg	9:57:49.36	0.22
			Sg	57:53.86	-0.33
MPLH	36.5	285	Pg	9:57:49.77	0.60
			Sg	57:53.86	-0.39
PKSG	44.7	41	Pg	9:57:50.96	0.31
			Sg	57:56.52	-0.36
PKSM	108.8	153	Pg	9:58:02.84	0.75
			Sg	58:16.48	-0.77
KOVH	111.3	176	Sg	9:58:16.56	-1.47
PSZ	169.8	57	Sn	9:58:30.17	-2.68*

419.

2023-04-21 time: 10:00:26.02 UTC ML= 1.7
 lat: 48.167N lon: 16.890E h= 0.0 km
 erh= 2.1km erz= 614km
 nr= 10 gap=142 rms=0.48
 Locality: Austria
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ZST	16.1	78	Pg	10:00:29.13	0.23
			Sg	00:30.78	-0.37
MODS	36.8	51	Pg	10:00:32.97	0.38
			Sg	00:36.96	-0.76
RONA	68.3	220	Pg	10:00:38.29	0.07
			Sg	00:46.51	-1.22
CONA	81.1	251	Pg	10:00:41.11	0.61
			Sg	00:51.28	-0.52
JAVC	96.2	37	Sg	10:00:56.29	-0.30
KRUC	106.0	340	Sg	10:00:59.81	0.11

420.

2023-04-22 time: 8:04:58.16 UTC ML= 1.3
 lat: 48.547N lon: 20.767E h= 0.0 km
 erh= 4.0km erz= ***km
 nr= 9 gap= 94 rms=0.98
 Locality: Komjáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.9	251	Pg	8:05:02.26	0.18
			Sg	05:05.51	0.38
ABAH	44.8	129	Pg	8:05:06.36	0.21
			Sg	05:11.76	-0.62
PSZ	95.3	223	Pg	8:05:15.91	0.73
			Sg	05:27.41	-1.04
NIE	102.5	341	Pg	8:05:17.55	1.09
LANS	116.6	305	Sg	8:05:32.50	-2.72
KOLS	118.8	69	Sg	8:05:34.22	-1.71

421.

2023-04-23 time: 3:34:42.71 UTC ML= 1.7
 lat: 46.409N lon: 16.306E h= 11.0 km
 erh= 2.7km erz= 1.5km
 nr= 11 gap=238 rms=0.39
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	6.1	316	Pg	3:34:44.94	-0.03
			Sg	34:46.31	-0.41
RCF6	27.9	253	Pg	3:34:48.51	0.44
GROS	62.1	275	Pg	3:34:54.58	0.61
PTJ	62.6	205	Sg	3:35:02.67	-0.25
CRES	92.2	225	Pg	3:34:59.26	-0.04
			Sg	35:11.79	-0.44
PERS	94.7	285	Pg	3:34:59.90	0.17
			Sg	35:12.37	-0.64
ARSA	111.0	327	Pn	3:35:02.00	-0.18
			Sn	35:15.23	-2.13

422.

2023-04-23 time: 10:36:04.46 UTC ML= 1.0
 lat: 45.743N lon: 17.947E h= 18.3 km
 erh= 2.1km erz= 0.8km
 nr= 9 gap=169 rms=0.20
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	28.7	56	Pg	10:36:10.41	-0.13
			Sg	36:15.38	0.10
KOVH	40.2	17	Pg	10:36:12.33	-0.01
			Sg	36:18.39	-0.09
PKSM	74.9	46	P*	10:36:18.12	0.24
			S*	36:28.30	-0.05
MORH	75.4	46	P*	10:36:18.12	0.17
			S*	36:28.14	-0.34
BLY	125.7	208	Sn	10:36:39.92	-0.79

423.

2023-04-24 time: 6:01:39.12 UTC ML= 1.3
 lat: 45.636N lon: 17.280E h= 0.0 km
 erh= 9.0km erz=13.3km
 nr= 10 gap=133 rms=0.93
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	80.7	70	Pg	6:01:54.85	1.32
			Sg	02:04.80	0.03
KOVH	81.1	52	Pg	6:01:54.77	1.16
			Sg	02:04.96	0.05
BLY	98.8	184	Sg	6:02:09.86	-0.68
PKSM	123.5	59	Pg	6:02:00.84	-0.33
			Sg	02:17.03	-1.35
MORH	123.9	59	Pg	6:02:01.39	0.14
			Sg	02:16.76	-1.75
CRES	143.5	278	Sn	6:02:22.48	-1.01

424.

2023-04-24 time: 9:28:39.04 UTC ML= 2.4
 lat: 45.501N lon: 16.426E h= 6.5 km
 erh= 2.2km erz= 1.8km
 nr= 27 gap=137 rms=0.82
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	49.6	317	Sg	9:28:54.96	0.01
PTJ	57.4	321	Pg	9:28:49.04	-0.31
			Sg	28:56.84	-0.56
CRES	83.7	296	Pg	9:28:54.39	0.36
			Sg	29:03.86	-1.87
RCF6	99.4	339	Pg	9:28:56.99	0.17
			Sg	29:10.11	-0.57
BLY	102.7	144	Pg	9:28:57.43	0.02
			Sg	29:10.39	-1.34
KOGS	106.2	353	Pg	9:28:58.83	0.80
			Sg	29:12.37	-0.48
BEHE	111.1	14	Pg	9:28:59.78	0.87
			Sg	29:13.62	-0.79
GROS	128.5	326	Pn	9:29:01.72	0.45
			Sn	29:16.85	-1.76
KOVH	145.6	63	Pn	9:29:03.40	0.00
			Sn	29:21.24	-1.17
PKSV	148.6	73	Sn	9:29:22.16	-0.92
PERS	161.8	321	Pn	9:29:05.91	0.49
			Sn	29:25.38	-0.62
SOKA	169.5	321	Sn	9:29:27.70	-0.01
OBKA	183.6	308	Pn	9:29:09.45	1.31
			Sn	29:31.07	0.24
PKSM	189.3	65	Sn	9:29:32.71	0.60
MORH	189.7	65	Sn	9:29:36.57	4.37*
ROB8	196.3	281	Sn	9:29:36.32	2.66
ARSA	206.5	340	Sn	9:29:40.81	4.89*
RONA	244.6	358	Pn	9:29:17.19	1.44

425.

2023-04-24 time: 10:28:11.76 UTC ML= 1.7
 lat: 48.850N lon: 21.216E h= 0.0 km
 erh= 6.4km erz=10.4km
 nr= 8 gap=129 rms=1.53
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	61.6	178	Pg	10:28:23.93	1.16
			Sg	28:31.35	0.00
STHS	63.0	2	Sg	10:28:31.02	-0.77
KECS	67.5	233	Pg	10:28:24.74	0.92
			Sg	28:32.29	-0.93

Hypocenter Parameters

TRPA 126.4 129 Pg 10:28:35.59 1.26
 Sg 28:48.24 -3.69
 PSZ 142.5 223 Sn 10:28:53.26 -2.65

426.

2023-04-24 time: 11:50:46.32 UTC ML= 1.5
 lat: 46.890N lon: 22.386E h= 0.0 km
 erh= 7.5km erz= 9.0km
 nr= 7 gap=148 rms=0.33
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	27.1	114	Pg	11:50:50.96	-0.21
			Sg	50:55.11	0.16
LTVH	66.2	326	Sg	11:51:07.26	-0.09
BZS	153.5	203	Pn	11:51:12.36	-0.13
			Sn	51:33.29	0.38
GZR	169.1	170	Pn	11:51:14.95	0.51
			Sn	51:35.57	-0.80

427.

2023-04-24 time: 15:48:31.75 UTC ML= 1.8
 lat: 48.240N lon: 21.248E h= 0.0 km
 erh= 2.1km erz= 2.7km
 nr= 15 gap= 98 rms=0.71
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.2	354	PgU	15:48:32.93	0.07
			Sg	48:34.25	0.52
KECS	62.6	296	Pg	15:48:42.94	0.00
			Sg	48:50.97	-0.69
TRPA	96.8	97	Pg	15:48:48.62	-0.41
			Sg	49:01.80	-0.71
LTVH	106.9	153	Sg	15:49:05.36	-0.38
PSZ	107.0	250	Pg	15:48:51.62	0.76
			Sg	49:04.93	-0.84
STHS	130.8	360	Pn	15:48:55.98	0.88
			Sn	49:11.50	-1.81
NIE	148.0	332	Pn	15:48:58.12	0.89
			Sn	49:16.90	-0.21
PENC	155.0	251	Sn	15:49:19.25	0.58
LANS	165.6	308	Sn	15:49:19.09	-1.94

428.

2023-04-25 time: 3:47:21.47 UTC ML= 1.7
 lat: 46.488N lon: 16.277E h= 8.0 km
 erh= 3.7km erz= 4.0km
 nr= 8 gap=239 rms=0.45
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	4.9	205	Pg	3:47:23.31	0.17
			Sg	47:24.40	-0.05
RCF6	29.9	235	Sg	3:47:30.63	-0.67
GROS	59.6	267	Sg	3:47:40.97	0.38
PERS	90.5	280	Pg	3:47:38.12	0.43
			Sg	47:50.20	-0.14
CRES	97.1	221	Sg	3:47:52.46	0.01
ARSA	102.4	326	Sg	3:47:52.81	-1.30

Földrengés paraméterek

429.

2023-04-25 time: 7:29:37.97 UTC ML= 1.6
 lat: 48.518N lon: 17.493E h= 0.0 km
 erh= 1.6km erz= 438km
 nr= 9 gap=200 rms=0.33
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.8	265	Pg	7:29:38.76	-0.06
			Sg	29:39.86	0.37
MODS	22.6	225	Pg	7:29:42.15	0.15
			Sg	29:45.65	0.50
JAVC	40.2	19	Pg	7:29:45.02	-0.12
			Sg	29:51.13	0.39
ZST	46.0	219	Sg	7:29:51.78	-0.80
KRUC	100.9	307	Sg	7:30:09.86	-0.17
VRAC	109.9	323	Sg	7:30:12.44	-0.47

430.

2023-04-25 time: 7:32:52.43 UTC ML= 1.1
 lat: 47.886N lon: 16.056E h= 0.0 km
 erh= 1.6km erz= 2.7km
 nr= 7 gap=128 rms=0.84
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.3	288	Pg	7:32:56.07	0.90
			Sg	32:57.48	0.18
RONA	27.4	139	Pg	7:32:57.87	0.54
			Sg	33:01.32	0.18
ARSA	81.2	210	Sg	7:33:17.17	-1.08
KRUC	133.2	11	Pn	7:33:15.68	-0.39
			Sn	33:32.31	-2.20

431.

2023-04-25 time: 7:51:51.68 UTC ML= 1.3
 lat: 48.518N lon: 17.485E h= 0.0 km
 erh= 1.8km erz= 405km
 nr= 8 gap=204 rms=0.30
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.2	263	Pg	7:51:52.18	-0.24
			Sg	51:52.92	-0.09
MODS	22.2	224	Pg	7:51:55.78	0.13
			Sg	51:58.28	-0.46
JAVC	40.3	20	Pg	7:51:58.79	-0.09
			Sg	52:04.46	-0.03
KRUC	100.3	307	Pg	7:52:10.22	0.63
			Sg	52:23.48	-0.09

432.

2023-04-25 time: 8:41:12.49 UTC ML= 2.1
 lat: 45.663N lon: 16.030E h= 12.2 km
 erh= 1.9km erz= 0.9km
 nr= 21 gap=154 rms=0.41
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	18.7	351	Pg	8:41:16.48	0.00
			Sg	41:20.26	0.67
PTJ	27.0	348	Pg	8:41:17.26	-0.52
			Sg	41:21.88	-0.02
CRES	48.1	292	Pg	8:41:21.10	-0.26
			Sg	41:28.48	0.20
RCF6	74.8	356	Pg	8:41:25.84	-0.17

Földrengés paraméterek

Hypocenter Parameters

KOGS	89.0	11	Pg	8:41:29.08	0.56
			Sg	41:40.66	-0.37
GROS	97.7	335	P*	8:41:29.87	-0.08
			S*	41:42.80	-0.77
BEHE	106.7	33	Pn	8:41:31.43	0.17
			Sn	41:45.36	-0.55
PERS	129.2	327	Sn	8:41:51.50	0.61
BLY	136.1	138	Sn	8:41:49.39	-3.05*
SOKA	136.6	326	Pn	8:41:35.19	0.19
			Sn	41:52.85	0.30
KOVH	167.5	74	Sn	8:41:59.71	0.30
PKSV	174.7	82	Sn	8:42:00.90	-0.09
PKSM	211.5	73	Sn	8:42:11.84	2.66*
MORH	211.9	73	Sn	8:42:11.69	2.44

433.

2023-04-25 time: 8:49:54.07 UTC ML= 1.8
 lat: 48.527N lon: 18.847E h= 0.0 km
 erh= 3.8km erz= 5.2km
 nr= 11 gap=111 rms=1.05
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	83.0	33	Sg	8:50:20.50	0.06
PENC	88.1	158	Sg	8:50:21.21	-0.85
JAVC	94.1	293	Pg	8:50:11.01	0.13
			Sg	50:23.50	-0.49
PSZ	103.2	131	Pg	8:50:13.93	1.44
			Sg	50:26.04	-0.82
SMOL	104.8	269	Sg	8:50:26.48	-0.89
KECS	121.2	92	Sg	8:50:29.09	-3.50
MORC	168.4	326	Pn	8:50:22.79	0.69
			Sn	50:42.72	-1.25
STHS	201.4	61	Sn	8:50:52.45	1.15

434.

2023-04-25 time: 9:46:41.46 UTC ML= 0.7
 lat: 47.190N lon: 18.295E h= 0.0 km
 erh= 1.5km erz= 3.8km
 nr= 9 gap=125 rms=0.43
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.4	352	Pg	9:46:45.13	0.21
			Sg	46:47.05	-0.57
PKST	21.1	291	Pg	9:46:45.45	0.22
			Sg	46:47.56	-0.62
PKSG	23.6	18	Pg	9:46:46.08	0.42
			Sg	46:48.97	0.02
MORH	111.6	166	Sg	9:47:16.55	-0.38
PKSM	112.0	166	Sg	9:47:17.37	0.32
PSZ	145.1	56	Sn	9:47:24.93	-1.25

435.

2023-04-25 time: 10:08:02.32 UTC ML= 1.9
 lat: 48.228N lon: 21.258E h= 0.0 km
 erh= 3.3km erz= 3.4km
 nr= 17 gap=106 rms=1.15
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.7	350	Pg	10:08:03.65	-0.05
			Sg	08:05.06	0.28
KECS	63.9	296	Pg	10:08:13.74	0.00
			Sg	08:21.80	-0.84
HOLU	89.8	68	Pg	10:08:18.52	0.17
			Sg	08:28.85	-2.01
TRPA	95.9	96	Pg	10:08:19.93	0.50
			Sg	08:31.43	-1.36

PSZ	107.3	251	Pg	10:08:20.79	-0.69
			Sg	08:34.87	-1.56
NIE	149.6	332	Pn	10:08:29.73	1.73
			Sn	08:46.61	-1.42
PENC	155.3	252	Pn	10:08:31.06	2.34
			Sn	08:49.06	-0.25
LANS	167.1	308	Sn	10:08:50.84	-1.08
MEZ	170.1	79	Sn	10:08:54.28	1.68
DRGR	193.5	146	Sn	10:08:57.10	-0.69

436.

2023-04-25 time: 10:16:37.04 UTC ML= 1.5
 lat: 48.483N lon: 19.559E h= 0.0 km
 erh= 4.4km erz= ***km
 nr= 9 gap=124 rms=1.09
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	67.6	158	Pg	10:16:50.23	1.12
			Sg	16:57.82	-0.71
KECS	68.5	90	Pg	10:16:50.39	1.12
			Sg	16:58.45	-0.36
LANS	74.5	355	Sg	10:17:00.64	-0.08
NIE	117.8	28	Sg	10:17:13.55	-0.93
SRO	118.9	231	Sg	10:17:12.85	-2.00
ABAH	126.2	100	Pg	10:17:00.01	0.44
			Sg	17:14.96	-2.19

437.

2023-04-25 time: 10:33:26.62 UTC ML= 2.0
 lat: 48.355N lon: 18.983E h= 0.0 km
 erh= 1.8km erz= 2.4km
 nr= 28 gap= 82 rms=0.98
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	66.6	160	Sg	10:33:47.53	-0.27
SRO	78.2	220	Sg	10:33:51.05	-0.43
PSZ	83.5	126	Pg	10:33:42.45	0.92
			Sg	33:51.65	-1.50
LANS	95.4	22	Pg	10:33:44.60	0.95
			Sg	33:54.68	-2.25
BUD	97.0	178	Sg	10:33:57.44	0.00
JAVC	111.8	300	Pg	10:33:47.08	0.49
			Sg	34:01.00	-1.17
KECS	112.2	83	Pg	10:33:46.33	-0.32
			Sg	34:01.19	-1.08
PKSG	115.9	202	Pg	10:33:48.26	0.94
			Sg	34:02.38	-1.09
SMOL	116.3	279	Pg	10:33:48.56	1.16
			Sg	34:02.77	-0.83
CSKK	122.8	206	Sg	10:34:04.65	-1.02
MODS	126.4	271	Pg	10:33:49.84	0.65
			Sg	34:05.54	-1.26
ZST	140.7	263	Sn	10:34:09.68	-0.69
PKST	141.1	210	Pn	10:33:51.22	-0.03
			Sn	34:09.59	-0.86
BSZH	151.7	141	Sn	10:34:12.94	0.12
NIE	153.3	40	Pn	10:33:53.30	0.52
			Sn	34:09.68	-3.49
EGYH	161.6	230	Sn	10:34:15.11	0.09
ABAH	167.5	92	Pn	10:33:57.16	2.62
			Sn	34:15.75	-0.57
MPLH	170.5	219	Sn	10:34:16.60	-0.38

Hypocenter Parameters

Földrengés paraméterek

438.

2023-04-26 time: 7:18:19.20 UTC ML= 1.2
 lat: 48.051N lon: 20.721E h= 0.0 km
 erh= 3.3km erz= 914km
 nr= 7 gap=147 rms=0.60
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	47.2	55	Pg	7:18:27.81			0.18
			Sg		18:33.74		-0.46
KECS	51.1	340	Pg	7:18:28.76			0.43
			Sg		18:34.61		-0.84
PSZ	63.5	257	Pg	7:18:31.29			0.76
			Sg		18:38.56		-0.80
BSZH	90.2	202	Sg	7:18:47.18			-0.70

439.

2023-04-26 time: 8:12:13.71 UTC ML= 1.5
 lat: 47.845N lon: 19.250E h= 0.0 km
 erh= 4.6km erz= 555km
 nr= 5 gap=254 rms=0.25
 Locality: Keszeg
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	6.5	158	Pg	8:12:14.60			-0.27
			Sg		12:16.18		0.41
PSZ	48.9	80	Pg	8:12:22.35			-0.09
			Sg		12:29.08		-0.17
KECS	116.2	52	Pg	8:12:34.73			0.28

440.

2023-04-26 time: 9:15:41.01 UTC ML= 1.4
 lat: 46.138N lon: 18.046E h= 0.0 km
 erh= 2.2km erz= 307km
 nr= 8 gap=289 rms=0.23
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	6.9	143	PgU	9:15:42.24			0.00
			Sg		15:43.67		0.47
PKSV	32.0	150	Pg	9:15:46.63			-0.09
			Sg		15:50.76		-0.42
PKSM	46.7	80	Pg	9:15:49.44			0.09
			Sg		15:55.43		-0.43
MORH	47.0	79	Pg	9:15:49.60			0.20
			Sg		15:55.94		-0.01

441.

2023-04-26 time: 9:23:33.76 UTC ML= 1.3
 lat: 48.502N lon: 20.753E h= 0.0 km
 erh= 3.2km erz= 478km
 nr= 6 gap=219 rms=0.29
 Locality: Bódvarákó
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	19.9	264	Pg	9:23:36.98			-0.33
			Sg		23:39.98		-0.10
ABAH	42.7	122	Pg	9:23:41.56			0.18
			Sg		23:46.94		-0.38
PSZ	91.0	225	Pg	9:23:50.42			0.41
			Sg		24:02.68		-0.01

442.

2023-04-26 time: 10:19:03.22 UTC ML= 1.1
 lat: 47.578N lon: 16.357E h= 0.0 km
 erh= 1.9km erz= 238km
 nr= 6 gap=264 rms=0.14
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	14.2	341	PgU	10:19:05.74			-0.02
			Sg		19:07.96		0.22
SOP	19.1	52	PgU	10:19:06.61			-0.02
			Sg		19:09.30		0.01
CONA	53.8	316	Pg	10:19:12.86			0.03
			Sg		19:19.74		-0.58

443.

2023-04-26 time: 14:36:51.94 UTC ML= 1.8
 lat: 47.320N lon: 16.351E h= 0.0 km
 erh= 1.6km erz= 4.5km
 nr= 24 gap= 69 rms=0.83
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	42.4	354	PgU	14:36:59.49			-0.02
			Sg		37:05.06		-0.35
SOP	43.3	21	Pg	14:36:59.96			0.29
			Sg		37:05.25		-0.45
ARSA	63.1	263	Pg	14:37:03.63			0.42
			Sg		37:11.23		-0.77
EGYH	74.9	82	Pg	14:37:06.65			1.33
			Sg		37:14.51		-1.24
CONA	76.9	331	Pg	14:37:06.69			1.01
			Sg		37:15.70		-0.70
MPLH	91.5	101	Pg	14:37:08.58			0.29
			Sg		37:19.69		-1.35
KOGS	97.3	185	Pg	14:37:09.69			0.38
			Sg		37:22.19		-0.67
BEHE	99.9	161	Pg	14:37:10.59			0.80
			Sg		37:23.96		0.26
GROS	115.4	214	Pg	14:37:12.50			-0.05
			Sg		37:26.42		-2.20
PERS	120.9	231	Pg	14:37:13.96			0.43
			Sg		37:28.99		-1.37
SOKA	123.1	235	Sg	14:37:29.54			-1.53
MODS	136.1	31	Sn	14:37:31.95			-2.72
KRUC	193.7	1	Pn	14:37:23.61			0.48
			Sn		37:46.51		-0.94

444.

2023-04-26 time: 17:47:53.92 UTC ML= 2.6
 lat: 48.683N lon: 21.985E h= 9.6 km
 erh= 1.2km erz= 1.0km
 nr= 32 gap= 73 rms=0.54
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
UZH	23.4	104	Pg	17:47:58.45			0.01
			Sg		48:02.84		0.87
HOLU	34.2	120	Pg	17:47:59.88			-0.38
MUKU	57.7	116	Pg	17:48:03.88			-0.49
			Pg	17:48:06.95			0.43
ABAH	69.9	232	Sg	48:15.60			-0.75
			Pg	17:48:07.41			0.18
TRPA	73.9	146	Sg	48:17.32			-0.28
			Pg	17:48:11.62			0.25
TRSU	97.2	132	Pg	17:48:11.06			-0.44
STHS	98.0	326	Sg	48:24.85			-0.36
			Pg	17:48:13.00			-0.80
KECS	112.8	259	Pn	17:48:13.00			-0.80
			Sn		48:27.34		-1.96

Földrengés paraméterek

MEZ	114.3	99	Pn	17:48:14.28	0.29
			Sn	48:29.40	-0.24
KWP	117.9	27	Pn	17:48:14.43	0.00
			Sn	48:30.25	-0.18
LTVH	144.5	182	Pn	17:48:18.06	0.32
			Sn	48:38.10	1.78
NIE	147.1	304	Pn	17:48:18.42	0.35
			Sn	48:36.94	0.03
BMR	158.9	135	Pn	17:48:19.94	0.39
			Sn	48:38.90	-0.63
PSZ	176.9	241	Pn	17:48:22.24	0.45
			Sn	48:46.57	3.05*
RAKU	177.4	114	Pn	17:48:21.04	-0.81
LANS	191.7	286	Pn	17:48:24.60	0.97
			Sn	48:47.08	0.27
DRGR	217.2	165	Pn	17:48:27.41	0.59
			Sn	48:51.34	-1.13
CJR	250.2	151	Pn	17:48:31.37	0.44
			Sn	48:59.43	-0.37
BUD	257.8	239	Pn	17:48:32.79	0.91
JAVC	317.8	274	Pn	17:48:39.79	0.44*
PKB1	319.2	229	Pn	17:48:40.15	0.61*
BZS	342.0	185	Pn	17:48:42.56	0.18*
MORC	345.7	291	Pn	17:48:43.16	0.32*

445.

2023-04-27 time: 7:34:26.07 UTC ML= 2.2
 lat: 48.207N lon: 21.336E h= 0.0 km
 erh= 8.3km erz= ***km
 nr= 5 gap=197 rms=0.71
 Locality: Szeged
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	12.2	324	Pg	7:34:28.93	0.68
			Sg	34:29.67	-0.28
UZH	85.1	56	Pg	7:34:41.63	0.36
			Sg	34:51.66	-1.46
PSZ	112.1	253	Sg	7:35:01.07	-0.63

446.

2023-04-27 time: 7:47:05.94 UTC ML= 1.7
 lat: 46.042N lon: 22.813E h= 0.0 km
 erh= 3.2km erz= 931km
 nr= 9 gap=119 rms=0.70
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.0	158	Pg	7:47:09.72	0.40
			Sg	47:11.75	-0.22
GZR	72.1	182	Pg	7:47:19.12	0.30
			Sg	47:27.83	-1.04
DRGR	83.7	355	Pg	7:47:21.32	0.43
			Sg	47:31.51	-1.04
CJR	96.0	39	Sg	7:47:36.10	-0.36
BZS	104.3	243	Pg	7:47:25.24	0.68
			Sg	47:37.08	-2.00

447.

2023-04-27 time: 8:15:11.83 UTC ML= 1.7
 lat: 46.114N lon: 17.965E h= 0.0 km
 erh= 2.2km erz= 451km
 nr= 12 gap=206 rms=0.37
 Locality: Dinnyeberki
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	10.8	106	Pg	8:15:13.92	0.16
			Sg	15:15.22	-0.04
PKSV	33.5	139	Pg	8:15:18.16	0.34
			Sg	15:22.27	-0.22

Hypocenter Parameters

PKSM	53.3	78	Pg	8:15:21.14	-0.21
MORH	53.6	78	Pg	8:15:21.14	-0.26
			Sg	15:28.00	-0.87
PKS9	57.8	25	Pg	8:15:22.90	0.75
			Sg	15:30.43	0.23
PKB4	65.0	49	Pg	8:15:23.68	0.25
PKB1	97.9	40	Pg	8:15:29.16	-0.15
MPLH	121.8	344	Pg	8:15:33.08	-0.50

448.

2023-04-27 time: 8:25:58.29 UTC ML= 1.5
 lat: 48.590N lon: 20.726E h= 0.0 km
 erh= 3.9km erz= ***km
 nr= 9 gap=108 rms=1.01
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	50.1	131	Pg	8:26:07.47	0.24
			Sg	26:13.43	-0.78
PSZ	96.9	220	Pg	8:26:15.94	0.35
			Sg	26:28.77	-0.31
NIE	97.1	342	Pg	8:26:17.19	1.57
			Sg	26:28.22	-0.92
STHS	99.5	22	Pg	8:26:16.56	0.51
			Sg	26:28.14	-1.77
LANS	111.4	304	Sg	8:26:31.77	-1.94

449.

2023-04-27 time: 8:27:23.40 UTC ML= 1.6
 lat: 45.613N lon: 17.309E h= 0.0 km
 erh= 5.9km erz= 5.0km
 nr= 12 gap=212 rms=0.77
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	79.5	67	Pg	8:27:38.33	0.73
			Sg	27:48.91	0.24
KOVH	81.0	49	Pg	8:27:38.75	0.89
			Sg	27:48.78	-0.36
BEHE	103.8	337	Pg	8:27:42.60	0.67
PTJ	109.8	287	Pg	8:27:43.05	0.04
PKSM	122.9	57	Pg	8:27:45.21	-0.14
			Sg	28:01.06	-1.41
MORH	123.4	57	Pg	8:27:45.18	-0.24
			Sg	28:00.25	-2.36
CRES	146.1	279	Pn	8:27:48.67	0.02
			Sn	28:06.52	-1.82

450.

2023-04-27 time: 9:55:11.21 UTC ML= 0.8
 lat: 47.146N lon: 18.377E h= 0.0 km
 erh= 6.3km erz= 12.8km
 nr= 8 gap=137 rms=1.33
 Locality: Sárszentmihály
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	25.7	340	Pg	9:55:16.54	0.75
			Sg	55:17.82	-1.55
PKSG	27.3	2	Pg	9:55:17.60	1.51
			Sg	55:19.10	-0.80
PKST	28.8	296	Pg	9:55:17.09	0.74
			Sg	55:18.96	-1.41
KOVH	119.5	190	Sg	9:55:48.49	-0.69
PSZ	143.0	53	Sn	9:55:51.50	-3.95

Hypocenter Parameters

Földrengés paraméterek

451.

2023-04-27 time: 10:28:48.54 UTC ML= 1.6
 lat: 47.507N lon: 16.319E h= 0.0 km
 erh= 3.0km erz= 3.7km
 nr= 13 gap=166 rms=0.81
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	21.5	355	PgU	10:28:53.02	0.64
			Sg	28:55.29	-0.09
SOP	26.6	43	Pg	10:28:54.01	0.72
			Sg	28:56.28	-0.72
CONA	58.1	324	Pg	10:28:59.84	0.93
			Sg	29:06.22	-0.78
ARSA	66.5	245	Sg	10:29:09.63	-0.05
MODS	120.1	37	Pg	10:29:10.25	0.27
			Sg	29:25.24	-1.46
GROS	131.8	208	Sn	10:29:29.74	-0.58
PERS	133.1	223	Sn	10:29:28.95	-1.65
KRUC	173.0	2	Pn	10:29:17.19	0.05
			Sn	29:36.84	-2.62

452.

2023-04-27 time: 11:52:23.07 UTC ML= 1.2
 lat: 47.873N lon: 16.061E h= 0.0 km
 erh= 3.6km erz= 6.0km
 nr= 7 gap=127 rms=1.10
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	292	Pg	11:52:26.89	0.94
			Sg	52:28.77	0.57
RONA	26.1	138	Pg	11:52:27.98	0.25
			Sg	52:31.98	0.62
ARSA	80.2	210	Sg	11:52:46.64	-1.91
KRUC	134.5	11	Pn	11:52:46.88	0.01
			Sn	53:02.32	-3.12

453.

2023-04-28 time: 6:03:24.06 UTC ML= 1.8
 lat: 48.432N lon: 17.261E h= 0.0 km
 erh= 1.1km erz= 2.3km
 nr= 18 gap=116 rms=0.42
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.6	169	PgU	6:03:25.45	0.22
			Sg	03:26.09	-0.05
SMOL	15.4	54	Pg	6:03:26.98	0.17
			Sg	03:28.67	-0.28
ZST	28.7	204	Pg	6:03:28.94	-0.24
			Sg	03:31.55	-1.63
JAVC	56.3	32	Pg	6:03:34.48	0.37
			Sg	03:41.49	-0.47
KRUC	94.7	318	Pg	6:03:41.23	0.26
			Sg	03:54.24	0.09
RONA	108.6	221	Pg	6:03:44.10	0.65
			Sg	03:58.40	-0.18
VRAC	109.1	333	Pg	6:03:43.89	0.35
			Sg	03:58.36	-0.38
CONA	118.2	242	Pg	6:03:44.92	-0.24
			Sg	04:00.01	-1.60
MORC	151.0	8	Pn	6:03:49.78	-0.14
			Sn	04:09.22	-0.87

454.

2023-04-28 time: 6:26:17.24 UTC ML= 1.0
 lat: 46.129N lon: 18.049E h= 0.0 km
 erh= 3.2km erz= 551km
 nr= 8 gap=230 rms=0.40
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.9	139	PgU	6:26:18.54	0.24
			Sg	26:19.32	0.19
PKSV	31.0	149	Sg	6:26:25.87	-1.21
PKSM	46.7	79	Pg	6:26:25.83	0.25
			Sg	26:31.79	-0.28
MORH	47.0	78	Pg	6:26:25.87	0.24
			Sg	26:32.06	-0.11
PKS9	53.9	19	Sg	6:26:33.71	-0.68

455.

2023-04-28 time: 7:15:02.26 UTC ML= 1.6
 lat: 47.345N lon: 17.626E h= 0.0 km
 erh= 2.1km erz= 2.4km
 nr= 18 gap= 75 rms=1.13
 Locality: Csót
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	20.5	199	Pg	7:15:06.50	0.57
			Sg	15:08.71	-0.07
PKST	32.3	107	Pg	7:15:09.52	1.49
			Sg	15:12.85	0.32
CSKK	48.0	88	Sg	7:15:17.73	0.22
PKSG	58.0	85	Pg	7:15:13.75	1.14
			Sg	15:20.69	0.00
RONA	107.6	291	Pg	7:15:21.96	0.48
			Sg	15:35.73	-0.74
MODS	117.3	347	Sg	7:15:38.37	-1.18
SMOL	130.8	354	Sn	7:15:41.54	-2.27
PENC	134.1	68	Sn	7:15:43.03	-1.50
KOVH	144.3	165	Sn	7:15:45.19	-1.62
CONA	147.6	296	Pn	7:15:28.25	0.55
			Sn	15:46.63	-0.91
MORH	147.7	148	Sn	7:15:45.27	-2.28
PKSM	147.9	148	Sn	7:15:45.11	-2.50
ARSA	159.4	266	Sn	7:15:51.30	1.14

456.

2023-04-28 time: 8:20:26.32 UTC ML= 1.4
 lat: 48.109N lon: 21.351E h= 0.0 km
 erh= 3.8km erz= 4.3km
 nr= 11 gap=171 rms=0.82
 Locality: Tarcál
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	22.4	338	Pg	8:20:30.62	0.29
			Sg	20:34.23	0.78
KECS	76.6	303	Pg	8:20:40.19	0.20
			Sg	20:49.91	-0.74
TRPA	88.5	88	Pg	8:20:42.38	0.26
			Sg	20:53.83	-0.62
UZH	90.8	50	Sg	8:20:54.04	-1.14
PSZ	110.7	259	Sg	8:21:00.26	-1.25
STZU	137.8	43	Pn	8:20:51.45	0.91
			Sn	21:06.90	-2.53
MEZ	166.7	74	Sn	8:21:16.54	0.71

Földrengés paraméterek

Hypocenter Parameters

457.

 2023-04-28 time: 9:03:02.88 UTC ML= 1.7
 lat: 48.704N lon: 18.666E h= 0.0 km
 erh= 2.1km erz= 2.5km
 nr= 12 gap= 84 rms=0.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
JAVC	75.2	283	Pg	9:03:16.11	-0.19
			Sg	03:28.32	1.55
LANS	76.9	50	Pg	9:03:16.11	-0.51
MODS	108.9	250	Pg	9:03:22.22	-0.12
			Sg	03:36.93	-0.58
PSZ	126.2	134	Pg	9:03:25.64	0.21
KECS	136.5	100	Pn	9:03:27.23	0.30
NIE	144.3	57	Pn	9:03:28.45	0.54
MORC	144.7	326	Pn	9:03:28.32	0.36
			Sn	03:45.54	-1.97
PKSG	147.3	188	Pn	9:03:28.14	-0.15
			Sn	03:47.55	-0.56

458.

 2023-04-28 time: 9:54:50.53 UTC ML= 1.5
 lat: 48.522N lon: 20.763E h= 0.0 km
 erh= 1.8km erz= 254km
 nr= 6 gap=227 rms=0.15
 Locality: Tornaszentandrás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.9	258	Pg	9:54:54.28	0.02
			Sg	54:57.40	0.23
ABAH	43.3	125	Pg	9:54:58.32	0.05
			Sg	55:04.35	0.05
PSZ	93.1	224	Pg	9:55:06.88	-0.27
			Sg	55:20.19	0.08

459.

 2023-04-28 time: 10:00:25.67 UTC ML= 1.5
 lat: 48.145N lon: 16.909E h= 0.0 km
 erh= 2.6km erz= 513km
 nr= 7 gap=155 rms=0.35
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.5	68	Pg	10:00:28.56	0.13
			Sg	00:30.28	-0.31
MODS	37.4	47	Pg	10:00:32.40	0.06
			Sg	00:36.71	-0.84
RONA	67.4	223	Pg	10:00:37.81	0.11
CONA	81.7	253	Sg	10:00:51.10	-0.54
KRUC	108.8	340	Pg	10:00:45.53	0.43

460.

 2023-04-28 time: 19:05:35.84 UTC ML= 0.4
 lat: 46.063N lon: 17.848E h= 16.3 km
 erh= 2.7km erz= 3.4km
 nr= 7 gap=268 rms=0.25
 Locality: Becefa
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	19.7	82	Pg	19:05:40.30	-0.11
			Sg	05:44.46	0.49
PKSV	36.9	122	Sg	19:05:48.35	-0.30
PKSM	63.5	75	Pg	19:05:47.80	0.25
			Sg	05:56.62	-0.07
MORH	63.9	75	Sg	19:05:56.79	0.00

PKS9 67.1 30 Sg 19:05:57.44 -0.34

 461.

2023-04-29 time: 8:29:48.86 UTC ML= 1.2
 lat: 48.528N lon: 20.764E h= 0.0 km
 erh= 1.9km erz= 691km
 nr= 10 gap=107 rms=0.54
 Locality: Tornaszentandrás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.2	256	Pg	8:29:52.89	0.24
			Sg	29:56.49	0.90
ABAH	43.7	126	Pg	8:29:56.77	0.11
			Sg	30:02.84	0.09
PSZ	93.7	224	Pg	8:30:05.59	0.00
			Sg	30:17.35	-1.29
NIE	104.4	342	Pg	8:30:07.94	0.44
			Sg	30:21.57	-0.47
STHS	104.8	20	Sg	8:30:21.96	-0.22
LANS	117.6	306	Sg	8:30:24.91	-1.35

462.

 2023-04-29 time: 13:53:57.54 UTC ML= 1.5
 lat: 46.007N lon: 17.039E h= 12.2 km
 erh= 2.2km erz= 1.6km
 nr= 13 gap=164 rms=0.44
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	55.3	338	Pg	13:54:07.13	-0.53
			Sg	54:15.45	-0.10
KOGS	78.1	309	Pg	13:54:12.35	0.69
			Sg	54:22.69	0.01
KOVH	82.6	84	Pg	13:54:12.90	0.45
			Sg	54:24.04	-0.04
PTJ	84.6	262	Sg	13:54:24.39	-0.33
PKSV	95.0	98	P*	13:54:14.58	-0.01
			S*	54:27.05	-0.84
PKSM	126.0	80	Pn	13:54:18.97	0.26
			Sn	54:34.39	-0.84
MORH	126.3	79	Sn	13:54:35.64	0.34
GROS	128.9	293	Sn	13:54:35.83	-0.04

463.

 2023-04-29 time: 21:15:24.73 UTC ML= 1.4
 lat: 46.170N lon: 16.004E h= 13.5 km
 erh= 1.4km erz= 1.4km
 nr= 18 gap=120 rms=0.51
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
RCF6	18.4	349	PgD	21:15:29.45	0.63
			Sg	15:32.01	0.01
PTJ	30.3	187	Pg	21:15:30.86	0.21
			Sg	15:34.54	-0.73
KOGS	36.3	32	Pg	21:15:31.80	0.16
			Sg	15:36.42	-0.61
ZAG	37.9	181	Sg	21:15:37.72	0.18
GROS	50.4	310	Pg	21:15:34.46	0.41
			Sg	15:41.13	-0.19
CRES	57.1	228	Pg	21:15:35.95	0.74
			Sg	15:42.85	-0.54
BEHE	68.1	61	Sg	21:15:45.68	-1.13
PERS	85.6	307	Pg	21:15:40.16	-0.06
			Sg	15:51.44	-0.85
SOKA	93.6	307	P*	21:15:41.29	-0.16
			S*	15:53.52	-0.97
ARSA	125.6	343	Sn	21:16:02.18	0.13
TIH	166.1	61	Sn	21:16:11.71	0.67

Hypocenter Parameters

Földrengés paraméterek

464.

2023-04-30 time: 13:49:51.02 UTC ML= 1.2
 lat: 48.014N lon: 16.551E h= 14.4 km
 erh= 1.9km erz= 1.6km
 nr= 14 gap=126 rms=0.50
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	36.8	179	Pg	13:49:58.49			0.42
			Sg		50:02.87		-0.70
WINA	37.1	286	Pg	13:49:58.58			0.46
			Sg		50:03.47		-0.19
RONA	39.8	209	Pg	13:49:58.94			0.36
			Sg		50:03.60		-0.87
CONA	52.3	260	Pg	13:50:01.09			0.38
			Sg		50:07.74		-0.53
MODS	67.2	53	Pg	13:50:03.01			-0.29
ABNA	110.4	311	Pn	13:50:10.14			0.16
			Sn		50:23.86		-0.91
ARSA	114.8	222	Sn	13:50:25.99			0.26
KRUC	117.1	354	Pn	13:50:11.24			0.43
			Sn		50:25.22		-1.03

465.

2023-04-30 time: 20:31:53.12 UTC ML= 1.5
 lat: 46.206N lon: 16.094E h= 10.0 km
 erh= 1.8km erz= 2.3km
 nr= 14 gap=173 rms=0.51
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RCF6	17.6	324	Pg	20:31:57.17			0.44
			Sg		32:00.13		0.58
KOGS	29.5	24	Pg	20:31:58.45			-0.24
			Sg		32:02.44		-0.59
PTJ	35.6	197	Pg	20:31:59.90			0.18
			Sg		32:04.60		-0.27
GROS	53.7	302	Pg	20:32:03.19			0.31
			Sg		32:10.55		0.06
CRES	64.9	229	Pg	20:32:05.61			0.75
			Sg		32:13.40		-0.61
PERS	89.1	302	Pg	20:32:08.98			-0.15
			Sg		32:20.57		-1.04
SOKA	97.0	303	Sg	20:32:22.83			-1.29
ARSA	124.1	339	Sn	20:32:30.93			0.02

466.

2023-05-02 time: 7:27:42.73 UTC ML= 1.7
 lat: 47.629N lon: 18.431E h= 0.0 km
 erh= 2.7km erz= 4.1km
 nr= 14 gap= 97 rms=1.02
 Locality: Vérttestolna
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SRO	22.4	337	Pg	7:27:47.56			0.84
			Sg		27:50.28		0.44
PKSG	26.5	187	Sg	7:27:51.22			0.06
CSKK	32.2	204	Sg	7:27:52.94			-0.03
BUD	47.4	110	Sg	7:27:57.33			-0.48
PKST	50.8	216	Sg	7:27:58.19			-0.70
PENC	66.3	74	Pg	7:27:56.00			1.43
			Sg		28:03.66		-0.15
PSZ	114.3	74	Sg	7:28:16.03			-3.04
MODS	119.5	314	Sg	7:28:18.85			-1.86
MORH	157.9	174	Pn	7:28:09.98			0.53
PKSM	158.3	174	Pn	7:28:09.98			0.47
			Sn		28:29.39		-1.00
RONA	160.5	273	Sn	7:28:29.31			-1.57

467.

2023-05-02 time: 9:15:01.30 UTC ML= 1.9
 lat: 48.812N lon: 21.590E h= 0.0 km
 erh= 3.0km erz= 7.3km
 nr= 15 gap= 67 rms=1.20
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	63.0	204	Pg	9:15:13.22			0.66
			Sg		15:20.92		-0.41
HOLU	66.5	119	Pg	9:15:13.85			0.67
			Sg		15:21.95		-0.50
STHS	71.8	339	Sg	9:15:23.11			-1.02
STZU	79.0	73	Pg	9:15:16.55			1.14
			Sg		15:25.76		-0.66
KECS	89.3	246	Pg	9:15:18.77			1.53
			Sg		15:28.46		-1.22
TRPA	103.3	137	Pg	9:15:19.96			0.20
			Sg		15:32.31		-1.84
NIE	115.1	306	Pg	9:15:23.14			1.29
			Sg		15:35.69		-2.19
KWP	122.1	42	Sg	9:15:37.75			-2.38
PSZ	160.2	232	Sn	9:15:47.91			-1.48

468.

2023-05-02 time: 9:55:02.99 UTC ML= 1.6
 lat: 48.998N lon: 19.313E h= 0.0 km
 erh= 4.2km erz= 8.3km
 nr= 10 gap=102 rms=1.16
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	20.4	34	Pg	9:55:05.71			-0.92
			Sg		55:09.12		-0.35
NIE	86.6	57	Pg	9:55:19.76			1.30
			Sg		55:31.26		0.74
KECS	103.5	124	Pg	9:55:22.53			1.05
			Sg		55:34.44		-1.46
JAVC	121.3	263	Sg	9:55:38.65			-2.91
PSZ	127.5	160	Pg	9:55:25.79			0.03
			Sg		55:42.30		-1.23
MORC	155.0	304	Sn	9:55:51.19			1.28

469.

2023-05-02 time: 10:05:43.62 UTC ML= 1.4
 lat: 48.938N lon: 20.535E h= 0.0 km
 erh= 7.3km erz= 6.1km
 nr= 6 gap=266 rms=1.42
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	50.7	184	Pg	10:05:53.69			1.01
			Sg		05:59.25		-0.50
ABAH	88.3	144	Pg	10:06:00.99			1.60
			Sg		06:10.84		-0.84
PSZ	122.9	203	Sg	10:06:20.76			-1.94
HOLU	143.5	109	Sn	10:06:25.87			-2.11

470.

2023-05-02 time: 10:07:35.97 UTC ML= 1.6
 lat: 48.877N lon: 20.514E h= 0.0 km
 erh= 2.4km erz= 3.7km
 nr= 14 gap= 75 rms=0.82
 Locality: Slovakia
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KECS	43.9	183	Pg	10:07:44.45	0.65
			Sg	07:49.89	-0.02
NIE	62.0	346	Pg	10:07:47.18	0.14
			Sg	07:55.40	-0.27
STHS	80.2	42	Sg	10:08:00.57	-0.90
LANS	82.3	292	Sg	10:08:01.99	-0.15
ABAH	83.9	140	Pg	10:07:50.78	-0.18
			Sg	08:01.50	-1.15
PSZ	116.1	203	Pg	10:07:56.81	0.12
			Sg	08:11.21	-1.65
PENC	151.5	217	Sn	10:08:21.86	-0.25
STZU	155.3	84	Pn	10:08:03.54	1.18
			Sn	08:21.46	-1.49
TRPA	171.2	119	Pn	10:08:06.12	1.77

471.

2023-05-02 time: 10:33:14.59 UTC ML= 1.5
 lat: 48.644N lon: 20.695E h= 0.0 km
 erh= 5.8km erz= ***km
 nr= 8 gap=121 rms=1.31
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.6	221	Pg	10:33:20.56	1.76
			Sg	33:22.26	0.18
ABAH	55.8	134	Pg	10:33:25.61	1.05
			Sg	33:31.28	-1.05
NIE	90.6	342	Sg	10:33:43.30	-0.09
STHS	94.9	25	Sg	10:33:43.62	-1.12
PSZ	100.2	216	Pg	10:33:31.87	-0.60
			Sg	33:43.22	-3.20

472.

2023-05-03 time: 6:47:01.24 UTC ML= 1.3
 lat: 48.042N lon: 20.707E h= 0.0 km
 erh= 2.5km erz= 469km
 nr= 6 gap=203 rms=0.31
 Locality: Kisgyőr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.7	55	Pg	6:47:10.10	0.17
			Sg	47:16.59	-0.12
KECS	51.7	341	Pg	6:47:10.73	0.26
			Sg	47:16.90	-0.78
PSZ	62.2	257	Pg	6:47:12.45	0.11
			Sg	47:20.58	-0.42

473.

2023-05-03 time: 8:01:55.23 UTC ML= 1.5
 lat: 48.528N lon: 20.793E h= 0.0 km
 erh= 3.0km erz= 5.8km
 nr= 11 gap= 97 rms=1.00
 Locality: Bódvalenke
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.2	258	Pg	8:01:59.04	-0.34
			Sg	02:03.07	0.46
ABAH	41.9	128	Pg	8:02:03.21	0.49
			Sg	02:09.11	0.55
PSZ	95.1	225	Pg	8:02:13.00	0.79
			Sg	02:25.24	-0.22
STHS	104.2	18	Pg	8:02:14.36	0.51
NIE	105.1	340	Pg	8:02:15.34	1.33
LANS	119.4	305	Pg	8:02:14.76	-1.79
TRPA	136.8	109	Pn	8:02:18.08	-1.25
			Sn	02:36.00	-2.12

474.

2023-05-03 time: 10:03:12.85 UTC ML= 1.8
 lat: 48.842N lon: 21.321E h= 0.0 km
 erh= 2.7km erz= 907km
 nr= 10 gap= 84 rms=0.70
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	61.1	186	Pg	10:03:24.34	0.59
			Sg	03:31.01	-1.25
STHS	64.1	355	Pg	10:03:24.57	0.28
			Sg	03:33.15	-0.07
KECS	73.4	237	Pg	10:03:26.96	1.01
			Sg	03:35.38	-0.78
HOLU	85.8	114	Pg	10:03:28.42	0.26
STZU	97.4	79	Pg	10:03:29.66	-0.57
NIE	97.6	311	Pg	10:03:30.22	-0.05
			Sg	03:41.73	-2.12

475.

2023-05-03 time: 10:31:32.54 UTC ML= 1.7
 lat: 47.834N lon: 20.191E h= 0.0 km
 erh= 2.6km erz= 3.3km
 nr= 9 gap=193 rms=0.44
 Locality: Vécis
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	24.0	293	PgU	10:31:37.22	0.39
			Sg	31:40.79	0.61
PENC	68.2	266	Pg	10:31:44.63	-0.10
			Sg	31:53.84	-0.39
KECS	75.5	17	Pg	10:31:46.34	0.33
			Sg	31:55.71	-0.81
ABAH	93.6	57	Pg	10:31:49.36	0.11
			Sg	32:02.09	-0.19
PKSG	144.0	250	Sn	10:32:16.02	-0.99

476.

2023-05-03 time: 13:35:02.26 UTC ML= 1.4
 lat: 47.661N lon: 16.382E h= 0.0 km
 erh= 2.2km erz= 1.7km
 nr= 8 gap=225 rms=0.19
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	7.8	304	PgU	13:35:03.66	0.01
			Sg	35:05.13	0.40
SOP	13.5	79	Pg	13:35:04.70	0.04
CONA	49.1	307	Pg	13:35:11.09	0.07
			Sg	35:17.55	-0.30
MODS	103.7	40	Pg	13:35:20.82	0.05
KRUC	155.8	0	Pn	13:35:28.47	-0.25
			Sn	35:48.29	-1.07*

477.

2023-05-04 time: 6:52:36.42 UTC ML= 1.4
 lat: 45.697N lon: 17.309E h= 0.0 km
 erh= 5.3km erz= 874km
 nr= 10 gap=242 rms=0.68
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	75.2	55	Pg	6:52:50.66	0.80
			Sg	53:01.43	1.09
PKSV	76.4	74	Pg	6:52:50.58	0.52
			Sg	53:00.56	-0.14

Hypocenter Parameters

KOGS 117.0 316 Sg 6:53:13.40 -0.20
 PKSM 118.1 61 Pg 6:52:56.82 -0.69
 Sg 53:13.33 -0.63
 MORH 118.5 61 Pg 6:52:57.00 -0.58
 Sg 53:13.01 -1.08
 PKS9 124.1 37 Sg 6:53:16.43 0.55

478.

2023-05-04 time: 8:48:19.35 UTC ML= 1.7
 lat: 45.994N lon: 22.778E h= 0.0 km
 erh= 1.4km erz= 2.7km
 nr= 10 gap=113 rms=0.51
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	15.7	142	Pg	8:48:22.24	0.09
			Sg	48:24.74	0.41
GZR	66.8	180	Pg	8:48:31.78	0.50
			Sg	48:40.06	-0.52
DRGR	88.8	357	Pg	8:48:35.37	0.17
BZS	99.6	245	Pg	8:48:37.09	-0.04
			Sg	48:50.70	-0.30
DJES	152.6	187	Sn	8:49:03.21	-2.52
VOIR	187.4	109	Pn	8:48:49.60	-0.14
			Sn	49:11.03	-2.42

479.

2023-05-04 time: 9:35:33.56 UTC ML= 1.4
 lat: 48.584N lon: 20.768E h= 0.0 km
 erh= 2.2km erz= 6.4km
 nr= 13 gap= 90 rms=0.83
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.7	242	Pg	9:35:37.77	-0.02
			Sg	35:40.79	-0.31
ABAH	47.4	133	Pg	9:35:42.22	0.20
			Sg	35:48.65	0.03
PSZ	98.5	221	Pg	9:35:51.90	0.76
			Sg	36:04.05	-0.81
NIE	98.6	340	Pg	9:35:53.09	1.93
			Sg	36:04.05	-0.85
STHS	98.9	21	Pg	9:35:51.51	0.30
			Sg	36:03.89	-1.10
LANS	114.3	303	Pg	9:35:53.73	-0.24
			Sg	36:09.05	-0.84
TRPA	140.6	111	Sn	9:36:15.40	-1.89

480.

2023-05-04 time: 11:47:59.09 UTC ML= 1.9
 lat: 47.305N lon: 18.417E h= 0.0 km
 erh= 2.6km erz= ***km
 nr= 11 gap=105 rms=0.85
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.9	348	Pg	11:48:00.51	-0.35
			Sg	48:00.95	-1.30
CSKK	13.5	299	Sg	11:48:03.13	-0.26
PKST	29.4	260	Pg	11:48:04.72	0.38
			Sg	48:08.05	-0.39
BUD	49.9	66	Sg	11:48:14.92	-0.05
PENC	84.6	50	Pg	11:48:15.91	1.71
MORH	122.3	172	Sg	11:48:37.30	-0.65
PKSM	122.7	172	Sg	11:48:38.09	0.01
PSZ	130.4	58	Pg	11:48:22.85	0.48
			Sg	48:38.80	-1.73

Földrengés paraméterek

481.

2023-05-04 time: 20:44:40.43 UTC ML= 1.5
 lat: 47.386N lon: 22.948E h= 0.1 km
 erh= 5.2km erz= ***km
 nr= 7 gap=145 rms=0.90
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BMR	52.3	52	Pg	20:44:49.31	-0.45
			Sg	44:54.36	-2.68
DRGR	68.4	195	Pg	20:44:52.83	0.19
			Sg	45:01.16	-1.01
TRPA	88.3	340	Pg	20:44:56.83	0.64
			Sg	45:07.99	-0.50
CJR	89.6	147	Pg	20:44:57.51	1.08

482.

2023-05-05 time: 7:34:01.20 UTC ML= 1.7
 lat: 48.524N lon: 17.489E h= 0.0 km
 erh= 2.9km erz= 2.6km
 nr= 11 gap=198 rms=0.46
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.6	256	PgU	7:34:02.00	-0.01
			Sg	34:03.01	0.36
MODS	22.9	223	Pg	7:34:05.87	0.59
			Sg	34:08.27	-0.19
JAVC	39.6	20	Pg	7:34:08.41	0.13
			Sg	34:13.02	-0.78
ZST	46.3	218	Sg	7:34:15.56	-0.36
VRAC	109.2	323	Pg	7:34:20.87	0.18
RONA	127.6	224	Sg	7:34:39.21	-2.54
CONA	137.8	241	Sn	7:34:43.24	-1.07
MORC	139.4	2	Pn	7:34:25.76	0.14

483.

2023-05-05 time: 8:05:15.16 UTC ML= 1.0
 lat: 46.132N lon: 18.066E h= 0.0 km
 erh= 2.8km erz= 392km
 nr= 8 gap=286 rms=0.29
 Locality: Abaliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.5	151	Pg	8:05:16.25	0.11
			Sg	05:17.36	0.46
PKSV	30.6	152	Pg	8:05:20.29	-0.34
			Sg	05:24.66	-0.24
PKSM	45.3	79	Pg	8:05:23.39	0.14
			Sg	05:29.10	-0.46
MORH	45.6	78	Pg	8:05:23.63	0.32
			Sg	05:29.42	-0.24

484.

2023-05-05 time: 8:17:54.08 UTC ML= 1.4
 lat: 48.958N lon: 19.808E h= 0.0 km
 erh= 4.3km erz= ***km
 nr= 7 gap=134 rms=0.85
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	32.8	311	Pg	8:17:59.90	-0.03
			Sg	18:03.96	-0.54
NIE	63.1	36	Pg	8:18:05.92	0.57
			Sg	18:13.81	-0.33
KECS	72.7	137	Sg	8:18:16.32	-0.85

Földrengés paraméterek

Hypocenter Parameters

PSZ 115.8 177 Pg 8:18:15.85 1.10
Sg 18:28.67 -2.21

485.

2023-05-05 time: 8:36:10.57 UTC ML= 1.3
lat: 48.507N lon: 20.745E h= 0.0 km
erh= 3.7km erz= 535km
nr= 6 gap=220 rms=0.31
Locality: Bődvarákó
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	19.4	262	Pg	8:36:13.84			-0.18
			Sg	36:16.62			-0.10
ABAH	43.4	123	Pg	8:36:18.41			0.09
			Sg	36:23.96			-0.42
PSZ	91.0	224	Pg	8:36:27.34			0.53
			Sg	36:39.20			-0.28

486.

2023-05-05 time: 8:57:46.80 UTC ML= 0.9
lat: 47.187N lon: 18.087E h= 0.0 km
erh= 2.8km erz= 477km
nr= 7 gap=222 rms=0.31
Locality: Várpalota
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	9.0	334	Pg	8:57:48.75			0.35
			Sg	57:49.78			0.13
CSKK	23.6	34	Pg	8:57:50.96			-0.06
			Sg	57:53.82			-0.48
PKSG	32.4	45	Pg	8:57:52.85			0.27
			Sg	57:56.78			-0.31
MPLH	41.5	267	Sg	8:57:59.48			-0.53

487.

2023-05-05 time: 9:15:05.56 UTC ML= 0.8
lat: 47.213N lon: 18.264E h= 0.0 km
erh= 0.9km erz= 9.4km
nr= 10 gap=108 rms=0.26
Locality: Iszkaszentgyörgy
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	16.7	359	Pg	9:15:08.65			0.10
			Sg	15:10.76			-0.12
PKST	18.1	287	Pg	9:15:09.05			0.25
			Sg	15:10.88			-0.45
PKSG	22.1	26	Pg	9:15:09.76			0.25
			Sg	15:12.19			-0.40
MORH	114.6	165	Sg	9:15:41.87			-0.10
PKSM	114.9	165	Sg	9:15:42.11			0.02
KOVH	125.6	186	Sg	9:15:45.36			-0.12
PSZ	145.6	57	Sn	9:15:48.14			-2.26*

488.

2023-05-05 time: 10:16:32.74 UTC ML= 1.3
lat: 47.924N lon: 16.456E h= 0.0 km
erh= 2.6km erz= 940km
nr= 10 gap= 87 rms=0.73
Locality: Austria
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	27.6	206	Pg	10:16:37.77			0.10
			Sg	16:41.11			-0.41
CONA	44.4	271	Pg	10:16:41.90			1.23
			Sg	16:46.97			0.11
MODS	79.0	51	Pg	10:16:47.13			0.28

Sg 16:57.61 -0.24
ARSA 102.6 223 Sg 10:17:03.73 -1.62
MPLH 116.9 136 Sg 10:17:10.07 0.16
KRUC 126.6 358 Pg 10:16:55.19 -0.17
Sg 17:11.42 -1.58

489.

2023-05-06 time: 16:27:36.08 UTC ML= 1.2
lat: 48.167N lon: 22.115E h= 12.8 km
erh= 1.8km erz= 1.4km
nr= 8 gap=171 rms=0.32
Locality: Anarcs
Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	31.8	97	Pg	16:27:42.52			0.32
			Sg	27:46.67			-0.30
ABAH	66.6	282	Pg	16:27:48.01			-0.18
			Sg	27:57.26			-0.39
LTVH	88.5	190	Sg	16:28:04.73			0.24
BMR	117.0	118	Sn	16:28:11.06			-0.58
KECS	125.9	286	Pn	16:27:57.30			0.13
			Sn	28:14.11			0.49

490.

2023-05-06 time: 18:56:20.83 UTC ML= 1.6
lat: 45.807N lon: 16.940E h= 27.0 km
erh= 2.3km erz= 3.6km
nr= 17 gap=186 rms=0.39
Locality: Croatia
Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	74.8	350	Pn	18:56:34.09			0.06
			Sn	56:44.44			0.11
KOGS	89.0	323	Pn	18:56:35.82			0.02
			Sn	56:47.25			-0.22
KOVH	95.3	71	Pn	18:56:36.47			-0.11
			Sn	56:48.32			-0.54
RCF6	95.8	308	Pn	18:56:36.36			-0.28
			Sn	56:48.73			-0.25
PKSV	102.4	85	Pn	18:56:36.98			-0.49
			Sn	56:49.72			-0.72
CRES	115.3	271	Pn	18:56:39.43			0.36
			Sn	56:53.17			-0.13
GROS	132.8	303	Sn	18:56:57.05			-0.14
PKSM	139.3	71	Pn	18:56:42.58			0.51
			Sn	56:59.55			0.92
MORH	139.6	71	Pn	18:56:42.53			0.42
			Sn	56:59.47			0.76
PERS	168.2	303	Sn	18:57:07.04			2.00*

491.

2023-05-06 time: 19:27:59.82 UTC ML= 1.6
lat: 45.743N lon: 16.934E h= 21.9 km
erh= 4.4km erz= 6.3km
nr= 12 gap=105 rms=0.85
Locality: Croatia
Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	81.7	351	Pg	19:28:13.98			-0.16
			Sg	28:24.50			-0.80
KOGS	94.5	326	Pn	19:28:16.01			0.09
			Sn	28:27.47			-1.01
KOVH	98.3	67	Pn	19:28:15.88			-0.51
			Sn	28:28.96			-0.35
PKSV	103.7	81	Sn	19:28:29.90			-0.63
BLY	112.2	170	Sn	19:28:30.77			-1.65
CRES	115.2	275	Pn	19:28:19.38			0.88
			Sn	28:33.44			0.37
PKSM	142.2	69	Pn	19:28:23.42			1.55

Hypocenter Parameters

Földrengés paraméterek

Sn 28:40.62 1.55
492.

2023-05-07 time: 12:22:44.94 UTC ML= 1.0
lat: 47.767N lon: 18.272E h= 18.5 km
erh= 3.3km erz= 1.8km
nr= 8 gap=150 rms=0.29
Locality: Slovakia
Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	6.1	31	PgU	12:22:48.53	0.11
			Sg	22:51.07	-0.07
PKSG	42.6	168	Pg	12:22:53.26	0.02
			Sg	22:59.90	0.18
CSKK	44.9	181	Sg	12:23:00.29	-0.08
PKST	59.2	198	P*	12:22:55.56	-0.39
EGYH	80.7	241	S*	12:23:11.77	1.41
MPLH	86.3	220	S*	12:23:12.02	0.14

493.

2023-05-08 time: 11:04:51.88 UTC ML= 1.2
lat: 47.944N lon: 16.638E h= 0.0 km
erh= 4.3km erz= ***km
nr= 10 gap= 97 rms=1.18
Locality: Austria
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	37.3	223	Pg	11:04:59.62	1.08
			Sg	05:04.31	0.58
CONA	58.0	268	Pg	11:05:02.90	0.66
			Sg	05:10.56	0.24
MODS	67.4	45	Pg	11:05:04.46	0.54
			Sg	05:13.22	-0.09
ARSA	113.9	227	Sg	11:05:25.65	-2.42
KRUC	125.6	352	Pg	11:05:14.63	0.32
			Sg	05:29.33	-2.47
PKST	129.7	126	Sg	11:05:30.81	-2.30

494.

2023-05-08 time: 11:09:37.32 UTC ML= 1.4
lat: 45.787N lon: 17.293E h= 0.0 km
erh= 7.5km erz= 946km
nr= 9 gap=231 rms=0.72
Locality: Croatia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	70.9	62	Pg	11:09:51.21	1.22
			Sg	10:00.67	0.80
PKSV	75.3	81	Pg	11:09:51.13	0.36
			Sg	10:00.35	-0.92
KOGS	109.1	312	Sg	11:10:11.46	-0.54
PKSM	114.6	66	Pg	11:09:57.23	-0.55
			Sg	10:12.86	-0.89
MORH	115.0	66	Pg	11:09:57.92	0.07
			Sg	10:13.18	-0.69

495.

2023-05-09 time: 7:59:17.38 UTC ML= 1.3
lat: 47.995N lon: 20.347E h= 0.0 km
erh= 4.8km erz= 934km
nr= 7 gap=191 rms=0.63
Locality: Szarvaskő
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	34.9	256	Pg	7:59:24.42	0.81
			Sg	59:27.78	-0.69

KECS	55.2	11	Pg	7:59:27.47	0.23
			Sg	59:34.43	-0.51
ABAH	74.4	63	Pg	7:59:31.06	0.40
			Sg	59:40.13	-0.88
PENC	82.9	254	Sg	7:59:42.87	-0.85

496.

2023-05-09 time: 8:16:18.72 UTC ML= 1.6
lat: 47.331N lon: 18.447E h= 0.0 km
erh= 1.5km erz= 3.0km
nr= 11 gap=114 rms=0.53
Locality: Zámoly
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.0	328	PgU	8:16:20.27	0.12
			Sg	16:20.69	-0.57
CSKK	14.5	284	PgU	8:16:21.61	0.29
			Sg	16:22.91	-0.43
PKST	32.2	256	Pg	8:16:25.30	0.82
			Sg	16:28.49	-0.47
MORH	124.9	173	Sg	8:16:58.37	-0.05
PKSM	125.3	173	Sg	8:16:58.53	-0.02
PSZ	126.9	59	Sg	8:16:59.04	-0.01
KOVH	140.7	191	Sn	8:17:01.54	-0.92
MODS	145.3	323	Sn	8:17:00.17	-3.31*

497.

2023-05-09 time: 8:31:30.47 UTC ML= 2.0
lat: 47.826N lon: 19.921E h= 0.0 km
erh= 3.4km erz= 3.7km
nr= 12 gap=184 rms=0.98
Locality: Gyöngyössolymos
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	10.5	349	Pg	8:31:32.37	0.02
			Sg	31:34.58	0.77
PENC	48.0	265	Sg	8:31:46.96	1.22
KECS	84.3	30	Sg	8:31:56.31	-0.97
ABAH	111.3	62	Pg	8:31:51.50	1.14
			Sg	32:04.71	-1.16
PKSG	124.8	247	Pg	8:31:53.29	0.54
			Sg	32:10.11	-0.02
CSKK	135.0	248	Sn	8:32:11.12	-1.85
LANS	151.1	347	Pn	8:31:55.40	-0.95
PKST	155.4	246	Sn	8:32:16.52	-0.96
JAVC	202.6	305	Sn	8:32:31.29	3.34

498.

2023-05-09 time: 9:06:08.91 UTC ML= 1.4
lat: 48.495N lon: 20.723E h= 0.0 km
erh= 2.9km erz= 969km
nr= 9 gap=136 rms=0.74
Locality: Bódvarákó
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	17.6	266	Pg	9:06:12.35	0.30
			Sg	06:15.24	0.74
ABAH	44.2	120	Pg	9:06:17.73	0.92
			Sg	06:22.43	-0.54
PSZ	88.9	224	Pg	9:06:24.53	-0.26
			Sg	06:36.34	-0.83
NIE	107.0	344	Pg	9:06:28.17	0.15
			Sg	06:42.14	-0.78
LANS	117.5	308	Sg	9:06:43.03	-3.22

Földrengés paraméterek

Hypocenter Parameters

499.

2023-05-09 time: 9:22:11.25 UTC ML= 1.5
 lat: 47.868N lon: 19.107E h= 0.0 km
 erh= 8.2km erz= ***km
 nr= 6 gap=228 rms=0.68
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	15.7	123	Pg	9:22:14.69	0.64
			Sg	22:16.10	-0.13
BUD	43.1	188	Sg	9:22:24.19	-0.78
PSZ	59.2	85	Pg	9:22:22.31	0.49
			Sg	22:29.74	-0.33
KECS	123.3	56	Sg	9:22:48.90	-1.55

500.

2023-05-09 time: 9:59:54.81 UTC ML= 1.7
 lat: 48.605N lon: 21.397E h= 0.0 km
 erh= 3.4km erz= 5.9km
 nr= 12 gap=129 rms=1.12
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.2	199	Pg	10:00:01.93	0.65
			Sg	00:07.17	0.84
KECS	68.6	259	Pg	10:00:08.11	1.05
			Sg	00:16.24	-0.38
STHS	91.0	353	Pg	10:00:12.33	1.27
			Sg	00:23.75	0.02
TRPA	99.7	122	Pg	10:00:13.58	0.96
			Sg	00:24.84	-1.67
NIE	120.3	319	Pg	10:00:15.30	-1.00
			Sg	00:30.63	-2.43
PSZ	135.2	236	Pn	10:00:18.12	-0.57
			Sn	00:35.36	-1.97

501.

2023-05-09 time: 14:30:09.41 UTC ML= 1.7
 lat: 47.421N lon: 16.292E h= 0.0 km
 erh= 2.5km erz= 4.3km
 nr= 18 gap=103 rms=0.86
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	31.0	1	Pg	14:30:15.22	0.28
			Sg	30:19.60	0.34
SOP	35.4	34	Pg	14:30:15.84	0.11
			Sg	30:20.22	-0.44
ARSA	61.1	252	Pg	14:30:20.87	0.54
			Sg	30:27.83	-1.01
CONA	65.0	330	Pg	14:30:21.58	0.56
			Sg	30:29.92	-0.16
MPLH	98.4	106	Pg	14:30:27.68	0.71
GROS	122.5	209	Pg	14:30:31.74	0.46
			Sg	30:45.89	-2.46
PERS	124.9	226	Pg	14:30:31.74	0.03
SOKA	126.4	229	Pg	14:30:32.44	0.46
			Sg	30:45.82	-3.77
MODS	129.0	35	Pg	14:30:32.76	0.31
			Sg	30:47.61	-2.81
KRUC	182.6	2	Pn	14:30:39.33	0.12
			Sn	31:00.52	-1.94

502.

2023-05-09 time: 14:37:24.55 UTC ML= 1.6
 lat: 47.902N lon: 20.165E h= 0.0 km
 erh= 5.3km erz= 841km
 nr= 6 gap=198 rms=0.50
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.3	275	Pg	14:37:28.50	0.32
			Sg	37:31.78	0.77
PENC	67.3	259	Sg	14:37:44.91	-1.02
KECS	68.9	20	Sg	14:37:45.92	-0.54
ABAH	91.3	61	Pg	14:37:40.84	-0.01
			Sg	37:53.59	0.03

503.

2023-05-09 time: 17:58:22.54 UTC ML= 1.8
 lat: 46.471N lon: 16.170E h= 7.7 km
 erh= 2.3km erz= 2.8km
 nr= 16 gap= 82 rms=0.88
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	6.7	112	Pg	17:58:24.27	-0.10
			Sg	58:25.40	-0.40
RCF6	22.2	227	Sg	17:58:30.16	0.14
BEHE	46.5	90	Sg	17:58:37.70	0.16
GROS	51.3	269	Sg	17:58:38.89	-0.14
PTJ	65.5	194	Pg	17:58:36.32	2.00
			Sg	58:43.15	-0.36
PERS	82.8	283	Pg	17:58:38.70	1.31
			Sg	58:47.77	-1.20
SOKA	90.1	285	Sg	17:58:49.77	-1.53
CRES	90.4	218	Pg	17:58:38.43	-0.31
			Sg	58:50.39	-0.99
ARSA	99.7	330	Pg	17:58:40.81	0.41
			Sg	58:53.48	-0.85
MPLH	130.3	53	Sn	17:59:01.73	-0.49
RONA	137.0	4	Sn	17:59:03.61	-0.09

504.

2023-05-10 time: 6:54:18.16 UTC ML= 1.7
 lat: 46.066N lon: 22.814E h= 0.0 km
 erh= 3.2km erz= 6.5km
 nr= 9 gap=117 rms=0.62
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	21.4	161	Pg	6:54:22.22	0.23
			Sg	54:24.60	-0.37
GZR	74.8	182	Pg	6:54:31.76	0.25
			Sg	54:40.75	-1.18
DRGR	81.1	354	Pg	6:54:33.09	0.46
			Sg	54:42.82	-1.10
BZS	105.6	242	Pg	6:54:37.70	0.70
			Sg	54:50.79	-0.92
VOIR	187.5	112	Sn	6:55:12.26	-0.03

505.

2023-05-10 time: 8:00:22.87 UTC ML= 1.0
 lat: 47.957N lon: 16.070E h= 0.0 km
 erh= 3.6km erz= ***km
 nr= 7 gap=138 rms=0.75
 Locality: Austria
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CONA	15.9	258	Pg	8:00:26.24	0.54
			Sg	00:28.67	0.75
RONA	33.3	149	Pg	8:00:29.13	0.32
			Sg	00:33.44	0.00
ARSA	88.7	208	Sg	8:00:49.19	-1.86
KRUC	125.2	11	Pg	8:00:45.16	-0.06
			Sg	01:01.27	-1.38

506.

2023-05-10 time: 8:17:09.93 UTC ML= 1.6
 lat: 48.753N lon: 16.464E h= 0.0 km
 erh= 6.8km erz= 3.4km
 nr= 9 gap=177 rms=1.00
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KRUC	34.7	352	PgU	8:17:16.02	-0.11
			Sg	17:18.93	-2.04
VRAC	62.5	9	Pg	8:17:20.98	-0.11
CONA	102.0	206	Pg	8:17:27.69	-0.44
			Sg	17:40.39	-1.94
RONA	117.7	186	Pg	8:17:31.64	0.69
			Sg	17:46.81	-0.54
ARSA	181.2	203	Pn	8:17:41.02	1.47
			Sn	18:03.77	1.11

507.

2023-05-10 time: 9:09:01.68 UTC ML= 1.4
 lat: 48.900N lon: 21.038E h= 0.0 km
 erh= 4.0km erz= 5.3km
 nr= 6 gap=153 rms=0.76
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	59.4	15	Sg	9:09:20.22	-0.33
KECS	61.7	221	Pg	9:09:13.73	1.03
			Sg	09:20.69	-0.60
ABAH	68.8	168	Sg	9:09:23.58	0.02
NIE	78.3	317	Sg	9:09:26.63	0.07
PSZ	138.2	218	Sn	9:09:43.62	-1.25

508.

2023-05-10 time: 9:09:30.55 UTC ML= 1.9
 lat: 46.857N lon: 17.288E h= 0.0 km
 erh= 2.3km erz= 3.7km
 nr= 15 gap=101 rms=1.13
 Locality: Várkölyg
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	39.8	29	Pg	9:09:38.38	0.73
			Sg	09:43.46	0.27
PKST	72.2	52	Sg	9:09:53.94	0.43
KOGS	91.5	240	Sg	9:09:59.26	-0.38
CSKK	92.9	53	Sg	9:09:58.70	-1.37
PKSG	102.7	55	Pg	9:09:49.80	0.91
			Sg	10:02.68	-0.51
KOVH	105.7	144	Sg	9:10:04.42	0.25
RCF6	117.2	240	Pg	9:09:53.53	2.04
			Sg	10:07.61	-0.21
MORH	126.1	124	Sg	9:10:09.58	-1.05
PKSM	126.2	125	Sg	9:10:09.80	-0.86
PKSV	130.7	145	Sn	9:10:11.05	-1.04
ARSA	141.1	288	Sn	9:10:11.22	-3.16
GROS	143.6	252	Sn	9:10:13.25	-1.70

509.

2023-05-10 time: 9:13:10.17 UTC ML= 1.6
 lat: 48.893N lon: 21.032E h= 0.0 km
 erh= 2.0km erz= 3.4km
 nr= 12 gap=152 rms=0.53
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	60.2	15	Pg	9:13:21.11	0.19
			Sg	13:28.73	-0.58
KECS	60.8	221	Pg	9:13:21.50	0.47
			Sg	13:29.32	-0.18
ABAH	68.1	167	Pg	9:13:22.52	0.19
			Sg	13:30.49	-1.34
NIE	78.5	318	Pg	9:13:24.63	0.44
			Sg	13:34.72	-0.41
LANS	117.9	284	Pg	9:13:31.28	0.05
			Sg	13:46.61	-1.05
PSZ	137.3	218	Pn	9:13:34.86	0.54
			Sn	13:52.15	-1.01

510.

2023-05-10 time: 10:23:03.61 UTC ML= 1.4
 lat: 48.695N lon: 20.739E h= 0.0 km
 erh= 5.0km erz= ***km
 nr= 6 gap=166 rms=0.68
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	30.1	218	Pg	10:23:09.84	0.86
			Sg	23:12.79	-0.38
ABAH	57.8	140	Sg	10:23:22.01	0.03
STHS	88.3	25	Sg	10:23:31.03	-0.66
PSZ	106.7	216	Pg	10:23:22.88	0.22
			Sg	23:36.17	-1.35

511.

2023-05-11 time: 1:46:04.47 UTC ML= 2.0
 lat: 45.870N lon: 16.032E h= 8.6 km
 erh= 1.5km erz= 1.1km
 nr= 26 gap=103 rms=0.53
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	4.0	205	PgU	1:46:05.59	-0.56
ZAG	5.5	213	Pg	1:46:06.06	-0.22
			Sg	46:07.40	-0.29
PTJ	6.6	300	PgD	1:46:06.07	-0.33
			Sg	46:07.69	-0.21
GCIS	31.4	269	iPg	1:46:10.28	0.00
			iSg	46:14.46	-0.35
GOLS	35.2	296	iPg	1:46:12.14	1.20
CRES	44.9	264	Pg	1:46:12.44	-0.20
			Sg	46:18.97	-0.04
RCF6	51.8	354	Pg	1:46:13.87	0.04
			Sg	46:21.02	-0.12
DOBS	53.5	305	iPg	1:46:14.37	0.23
LEGS	56.1	279	iPg	1:46:15.01	0.41
			iSg	46:22.88	0.37
KOGS	66.4	15	Pg	1:46:16.62	0.20
			Sg	46:25.60	-0.15
GROS	77.4	328	Pg	1:46:18.43	0.06
			Sg	46:27.88	-1.33
BEHE	88.0	41	Sg	1:46:33.51	0.94
PERS	110.5	320	Sn	1:46:37.14	-2.44
SOKA	118.3	319	Sn	1:46:39.19	-2.10
OBKA	134.7	302	Pn	1:46:28.18	0.97
			Sn	46:44.91	-0.03
BLY	153.9	144	Pn	1:46:29.58	-0.02

Földrengés paraméterek

Hypocenter Parameters

ARSA 158.3 346 Sn 1:46:49.25 -0.92

515.

512.

2023-05-11 time: 8:07:48.23 UTC ML= 1.1
 lat: 46.140N lon: 18.075E h= 0.0 km
 erh= 1.7km erz= 215km
 nr= 8 gap=277 rms=0.16
 Locality: Abaliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.0	162	PgU	8:07:49.28	-0.03
			Sg	07:50.37	0.22
PKSV	31.1	154	Pg	8:07:53.71	-0.08
			Sg	07:57.60	-0.52
PKSM	44.4	80	Pg	8:07:56.16	0.00
			Sg	08:02.26	-0.09
MORH	44.7	79	Pg	8:07:56.45	0.23
			Sg	08:02.33	-0.12

513.

2023-05-11 time: 8:37:50.97 UTC ML= 1.3
 lat: 48.539N lon: 20.745E h= 0.0 km
 erh= 7.5km erz= 955km
 nr= 6 gap=234 rms=0.57
 Locality: Komjáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.2	252	Pg	8:37:54.27	-0.30
			Sg	37:57.08	-0.30
ABAH	45.5	126	Pg	8:37:59.43	0.34
			Sg	38:04.59	-0.84
PSZ	93.6	222	Pg	8:38:08.54	0.85
			Sg	38:20.15	-0.57

514.

2023-05-11 time: 8:59:06.39 UTC ML= 1.7
 lat: 47.111N lon: 17.900E h= 0.0 km
 erh= 2.2km erz= 3.1km
 nr= 21 gap= 59 rms=1.23
 Locality: Veszprém
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.3	32	Pg	8:59:10.37	0.54
			Sg	59:13.34	0.82
TIH	23.5	181	Pg	8:59:11.46	0.87
			Sg	59:14.10	0.24
MPLH	28.1	283	Pg	8:59:12.77	1.36
			Sg	59:16.33	1.01
CSKK	39.1	44	Sg	8:59:18.88	0.07
PKSG	48.5	50	Pg	8:59:16.10	1.05
			Sg	59:21.51	-0.29
PKB1	77.0	118	Pg	8:59:22.22	2.07
BEHE	111.6	230	Sg	8:59:40.21	-1.65
MORH	114.7	150	Sg	8:59:41.07	-1.78
KOVH	114.8	172	Pg	8:59:27.10	0.22
			Sg	59:41.80	-1.07
PKSM	115.0	150	Sg	8:59:40.84	-2.10
PENC	128.7	54	Sg	8:59:46.15	-1.14
RONA	137.6	298	Sn	8:59:47.56	-1.88
KOGS	146.0	240	Sn	8:59:50.06	-1.25
MODS	147.9	342	Sn	8:59:49.31	-2.42
PSZ	175.0	59	Sn	8:59:56.94	-0.80
CONA	178.4	301	Sn	8:59:58.04	-0.46

2023-05-12 time: 6:55:55.47 UTC ML= 1.8
 lat: 48.430N lon: 17.275E h= 0.0 km
 erh= 1.7km erz= 3.1km
 nr= 19 gap=128 rms=0.66
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.3	178	PgU	6:55:57.13	0.53
			Sg	55:57.66	0.18
SMOL	14.7	51	Pg	6:55:58.54	0.44
			Sg	55:59.58	-0.56
ZST	29.0	206	Pg	6:56:00.32	-0.33
			Sg	56:04.17	-0.52
JAVC	55.9	31	Pg	6:56:05.89	0.43
			Sg	56:11.43	-1.81
KRUC	95.5	317	Pg	6:56:13.00	0.47
			Sg	56:26.21	0.38
RONA	109.2	222	Pg	6:56:15.45	0.48
			Sg	56:28.47	-1.71
VRAC	109.7	333	Pg	6:56:15.58	0.52
			Sg	56:30.13	-0.21
CONA	119.0	242	Pg	6:56:16.41	-0.31
			Sg	56:31.92	-1.38
MORC	151.0	7	Pn	6:56:21.02	-0.32
			Sn	56:40.49	-1.02
ARSA	185.5	225	Sn	6:56:50.74	1.58

516.

2023-05-12 time: 8:15:44.84 UTC ML= 1.5
 lat: 48.782N lon: 20.788E h= 0.0 km
 erh= 5.5km erz= ***km
 nr= 6 gap=174 rms=0.78
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	40.0	214	Pg	8:15:53.25	1.27
			Sg	15:57.01	-0.53
ABAH	63.5	148	Pg	8:15:56.30	0.12
			Sg	16:04.36	-0.66
NIE	78.9	334	Sg	8:16:09.35	-0.56
PSZ	116.6	215	Sg	8:16:21.00	-0.91

517.

2023-05-12 time: 8:29:56.63 UTC ML= 0.9
 lat: 47.853N lon: 16.028E h= 0.0 km
 erh= 2.2km erz= 5.2km
 nr= 7 gap= 94 rms=0.92
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.0	304	Pg	8:29:59.89	0.59
			Sg	30:02.24	0.86
RONA	26.4	130	Pg	8:30:01.77	0.43
			Sg	30:04.97	-0.05
ARSA	77.0	210	Sg	8:30:20.46	-0.65
MODS	109.6	58	Sg	8:30:30.78	-0.68
KRUC	137.1	11	Sn	8:30:36.56	-3.02

518.

2023-05-12 time: 8:37:01.35 UTC ML= 1.5
 lat: 48.084N lon: 20.701E h= 0.0 km
 erh= 1.7km erz= 366km
 nr= 6 gap=193 rms=0.22
 Locality: Miskolctapolca
 Comments: probably explosion

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ABAH	46.4	60	Pg	8:37:09.60	-0.04
			Sg	37:16.68	0.58
KECS	47.1	340	Pg	8:37:09.48	-0.29
			Sg	37:16.52	0.18
PSZ	63.0	253	Pg	8:37:12.61	0.01
			Sg	37:21.44	0.07

519.

2023-05-14 time: 1:31:19.51 UTC ML= 2.1
 lat: 45.515N lon: 16.099E h= 10.3 km
 erh= 2.3km erz= 1.4km
 nr= 33 gap=142 rms=0.75
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	35.8	347	PgD	1:31:26.24	0.07
			Sg	31:32.18	0.82
R971	36.5	349	PgD	1:31:26.29	0.00
PTJ	44.1	346	Pg	1:31:27.09	-0.52
			Sg	31:34.24	0.32
CRES	60.8	305	Pg	1:31:30.03	-0.50
			Sg	31:38.61	-0.51
R93E	62.9	102	Pg	1:31:30.62	-0.27
RCF6	91.6	353	Pg	1:31:35.81	-0.15
			Sg	31:47.62	-1.18
KOGS	104.3	6	P*	1:31:37.60	-0.56
			S*	31:51.55	-1.16
GROS	114.8	336	Pn	1:31:39.59	0.04
			Sn	31:53.71	-1.46
BEHE	118.4	26	Pn	1:31:40.77	0.79
			Sn	31:55.38	-0.57
BLY	120.6	135	Pn	1:31:40.00	-0.26
			Sn	31:54.99	-1.45
PERS	145.9	329	Pn	1:31:45.07	1.65
			Sn	32:01.23	-0.84
SOKA	153.3	327	Sn	1:32:04.97	1.26
OBKA	163.2	313	Pn	1:31:46.82	1.25
			Sn	32:05.65	-0.25
KOVH	168.1	68	Pn	1:31:46.36	0.18
			Sn	32:07.78	0.80
PKSV	172.7	76	Sn	1:32:08.70	0.68
TRI	183.4	277	Sn	1:32:13.15	2.76
PKSM	212.0	69	Pn	1:31:52.48	0.81
MYKA	226.9	303	Pn	1:31:55.02	1.50
RONA	243.3	4	Pn	1:31:56.58	1.02
SOP	243.5	8	Pn	1:31:56.37	0.78
CONA	268.8	356	Pn	1:31:58.40	-0.35
MOA	295.0	332	Pn	1:32:03.13	1.13

520.

2023-05-14 time: 11:12:04.20 UTC ML= 1.2
 lat: 48.127N lon: 20.592E h= 0.2 km
 erh= 1.7km erz= 413km
 nr= 6 gap=177 rms=0.26
 Locality: Lillafüred
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	40.4	349	Pg	11:12:11.56	0.14
			Sg	12:16.81	-0.24
ABAH	51.7	69	Pg	11:12:13.77	0.34
			Sg	12:20.11	-0.52
PSZ	56.9	246	Pg	11:12:14.32	-0.05
			Sg	12:22.14	-0.16

521.

2023-05-14 time: 12:05:10.50 UTC ML= 1.7
 lat: 47.782N lon: 16.148E h= 10.8 km
 erh= 1.9km erz= 1.4km
 nr= 28 gap= 54 rms=0.88
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.4	129	PgD	12:05:13.63	-0.08
			Sg	05:15.61	-0.60
CONA	26.9	307	Pg	12:05:16.04	0.36
			Sg	05:20.03	0.31
SOP	32.6	110	Pg	12:05:16.62	-0.02
			Sg	05:20.38	-1.05
WINA	36.6	351	Pg	12:05:18.04	0.73
			Sg	05:23.14	0.51
ARSA	75.5	219	Pg	12:05:23.50	-0.62
			Sg	05:32.77	-1.98
EGYH	97.8	114	Sg	12:05:40.60	-1.17
MODS	106.8	52	Pn	12:05:29.18	-0.29
			Sn	05:42.09	-2.17
ABNA	112.2	332	Pn	12:05:29.70	-0.44
			Sn	05:43.18	-2.28
MPLH	125.0	123	Sn	12:05:48.95	0.65
SMOL	125.3	49	Pn	12:05:32.23	0.46
MOA	141.2	273	Pn	12:05:34.42	0.67
			Sn	05:52.12	0.23
KRUC	143.5	7	Pn	12:05:34.26	0.22
			Sn	05:51.15	-1.26
KOGS	148.5	177	Pn	12:05:35.18	0.52
			Sn	05:54.31	0.80
PERS	149.5	212	Sn	12:05:53.66	-0.07
GROS	154.8	198	Pn	12:05:36.56	1.11
JAVC	164.6	43	Pn	12:05:38.71	2.04
VRAC	172.9	11	Sn	12:05:58.50	-0.43
PKSG	174.2	104	Sn	12:06:01.92	2.71

522.

2023-05-15 time: 7:45:48.25 UTC ML= 1.5
 lat: 48.018N lon: 19.643E h= 0.0 km
 erh= 3.0km erz= 3.8km
 nr= 11 gap=142 rms=0.57
 Locality: Lucfalva
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.8	120	PgU	7:45:52.98	0.84
			Sg	45:54.92	-0.26
PENC	37.0	227	Pg	7:45:55.26	0.41
			Sg	45:59.43	-0.57
KECS	81.2	50	Pg	7:46:02.93	0.17
PKSG	116.9	233	Pg	7:46:08.79	-0.34
ABAH	122.8	75	Pg	7:46:09.35	-0.82
			Sg	46:24.27	-3.00
PKST	147.4	235	Pn	7:46:14.26	0.60
NIE	163.5	18	Pn	7:46:15.26	-0.41
			Sn	46:37.30	0.25

523.

2023-05-15 time: 8:22:09.94 UTC ML= 1.3
 lat: 48.577N lon: 20.734E h= 0.0 km
 erh= 2.6km erz= 6.9km
 nr= 11 gap= 90 rms=0.77
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.1	240	Pg	8:22:14.07	0.36
			Sg	22:16.96	0.30
ABAH	48.7	130	Pg	8:22:19.15	0.51
			Sg	22:24.55	-0.88

Földrengés paraméterek

Hypocenter Parameters

PSZ 96.2 220 Pg 8:22:27.45 0.33
 Sg 22:39.34 -1.18
 NIE 98.5 342 Pg 8:22:28.15 0.62
 Sg 22:39.74 -1.51
 LANS 112.7 304 Pg 8:22:29.64 -0.42
 KOLS 119.9 71 Sg 8:22:45.84 -2.20
 STZU 147.1 71 Pn 8:22:35.98 0.67

524.

2023-05-15 time: 8:34:53.67 UTC ML= 1.5
 lat: 48.525N lon: 17.483E h= 0.0 km
 erh= 1.7km erz= 391km
 nr= 10 gap=197 rms=0.30
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.2	252	Pg	8:34:54.01	-0.42
			Sg	34:54.95	-0.07
MODS	22.7	222	Pg	8:34:57.61	-0.12
			Sg	35:01.13	0.23
JAVC	39.6	20	Pg	8:35:00.66	-0.08
			Sg	35:06.22	-0.04
ZST	46.2	218	Sg	8:35:08.61	0.25
KRUC	99.8	307	Pg	8:35:11.70	0.22
			Sg	35:24.77	-0.61
VRAC	108.8	323	Pg	8:35:13.61	0.51

525.

2023-05-15 time: 9:04:52.90 UTC ML= 1.1
 lat: 47.504N lon: 18.473E h= 0.0 km
 erh= 2.9km erz= 2.0km
 nr= 10 gap=222 rms=0.69
 Locality: Szárliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	13.9	207	Pg	9:04:55.62	0.24
			Sg	04:58.36	1.05
CSKK	22.4	226	Pg	9:04:56.87	-0.02
			Sg	05:00.08	0.07
BUD	41.6	93	Sg	9:05:06.73	0.62
PKST	42.9	231	Pg	9:05:00.36	-0.19
			Sg	05:06.89	0.37
MORH	143.7	175	Sn	9:05:34.75	-2.57
PKSM	144.2	175	Sn	9:05:36.79	-0.63
KOVH	159.9	190	Sn	9:05:39.02	-1.88

526.

2023-05-15 time: 11:36:52.89 UTC ML= 1.6
 lat: 46.244N lon: 16.402E h= 0.0 km
 erh= 5.3km erz= 9.1km
 nr= 15 gap=118 rms=0.97
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOGS	25.5	333	Pg	11:36:57.50	0.05
			Sg	37:01.22	0.22
RCF6	35.5	286	Sg	11:37:04.43	0.26
PTJ	51.4	222	Pg	11:37:02.61	0.54
			Sg	37:08.11	-1.12
CRES	86.7	238	Pg	11:37:09.05	0.68
			Sg	37:19.06	-1.38
ARSA	130.5	329	Pg	11:37:16.77	0.58
			Sg	37:31.39	-2.98
KOVH	132.3	98	Pn	11:37:16.60	0.18
			Sn	37:31.78	-2.99
PKSV	148.5	105	Pn	11:37:18.50	0.06
			Sn	37:36.95	-1.42
PKSM	172.8	91	Sn	11:37:45.10	1.33
MORH	173.0	91	Sn	11:37:44.71	0.90

527.

2023-05-15 time: 13:42:49.40 UTC ML= 1.9
 lat: 47.099N lon: 19.355E h= 0.0 km
 erh= 5.9km erz= ***km
 nr= 11 gap=185 rms=0.89
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.8	249	Pg	13:42:52.68	0.45
			Sg	42:54.25	-0.19
PKB5	73.3	220	Pg	13:43:03.52	1.03
PENC	77.1	356	Pg	13:43:04.42	1.26
PSZ	99.7	24	Pg	13:43:06.96	-0.25
			Sg	43:19.21	-1.89
PKS9	99.9	235	Pg	13:43:07.12	-0.12
MORH	112.3	209	Pg	13:43:09.51	0.06
			Sg	43:23.75	-1.34
PKSM	112.8	209	Pg	13:43:09.39	-0.15
			Sg	43:22.73	-2.51

528.

2023-05-16 time: 7:08:58.27 UTC ML= 1.2
 lat: 48.540N lon: 17.475E h= 0.0 km
 erh= 7.3km erz= 409km
 nr= 6 gap=196 rms=0.27
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.5	230	PgU	7:08:58.77	-0.31
			Sg	08:59.63	-0.08
MODS	23.6	218	Pg	7:09:02.53	0.04
			Sg	09:06.44	0.67
JAVC	38.3	22	Pg	7:09:05.30	0.19
			Sg	09:10.21	-0.24

529.

2023-05-16 time: 8:45:33.91 UTC ML= 1.7
 lat: 48.484N lon: 19.395E h= 0.0 km
 erh= 4.4km erz= 6.8km
 nr= 11 gap=76 rms=1.04
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	73.0	149	Pg	8:45:47.73	0.78
			Sg	45:56.76	-0.36
LANS	74.4	4	Pg	8:45:48.04	0.85
			Sg	45:56.76	-0.79
KECS	80.6	90	Pg	8:45:49.09	0.78
			Sg	45:59.11	-0.44
NIE	123.9	33	Pg	8:45:56.35	0.32
			Sg	46:10.99	-2.30
JAVC	133.7	288	Pn	8:45:58.29	0.67
			Sn	46:14.26	-1.85
PKSG	142.7	212	Sn	8:46:15.98	-2.13

530.

2023-05-16 time: 8:55:25.22 UTC ML= 1.7
 lat: 48.477N lon: 21.753E h= 0.0 km
 erh= 3.4km erz= 4.1km
 nr= 16 gap=118 rms=1.31
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	43.0	242	Pg	8:55:33.77	0.87
			Sg	55:38.55	-0.34

Hypocenter Parameters

HOLU 47.0 83 Pg 8:55:36.88 3.27
 TRPA 69.9 123 Sg 8:55:48.12 0.68
 STZU 87.7 47 Pg 8:55:40.65 -0.23
 Sg 55:51.48 -1.61
 KECS 93.7 270 Pg 8:55:42.11 0.16
 Sg 55:54.10 -0.90
 BRIU 95.1 99 Sg 8:55:54.39 -1.05
 STHS 111.0 340 Pg 8:55:45.70 0.67
 Sg 55:59.94 -0.55
 MEZ 130.2 88 Sg 8:56:02.01 -4.60
 NIE 148.6 315 Sn 8:56:10.67 -0.06
 PSZ 151.5 246 Sn 8:56:09.44 -1.91
 BMR 157.8 125 Sn 8:56:12.37 -0.38
 LANS 183.8 294 Sn 8:56:18.19 -0.34

531.

2023-05-16 time: 8:57:42.61 UTC ML= 1.8
 lat: 47.739N lon: 20.001E h= 0.0 km
 erh= 7.7km erz= ***km
 nr= 7 gap=196 rms=1.00
 Locality: Karácsond
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.5	338	Pg	8:57:47.27	0.82
			Sg	57:49.31	-0.14
PENC	54.2	276	Sg	8:57:59.95	0.10
KECS	90.3	24	Pg	8:57:59.78	1.04
			Sg	58:09.97	-1.35
ABAH	111.3	56	Sg	8:58:16.21	-1.77
PKSG	127.2	252	Sg	8:58:22.02	-1.02

532.

2023-05-16 time: 9:26:23.83 UTC ML= 1.7
 lat: 48.674N lon: 20.837E h= 0.0 km
 erh= 3.4km erz= 4.4km
 nr= 11 gap=149 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	33.6	231	Pg	9:26:30.46	0.64
			Sg	26:33.83	-0.67
ABAH	51.5	145	Pg	9:26:34.35	1.32
			Sg	26:40.56	0.35
STHS	87.7	20	Pg	9:26:39.94	0.44
KOLS	109.3	75	Sg	9:26:57.60	-0.98
PSZ	109.4	220	Pg	9:26:43.35	-0.01
			Sg	26:56.53	-2.07
STZU	136.5	74	Sn	9:27:04.64	-2.00
TRPA	139.8	116	Pn	9:26:48.18	-0.11
			Sn	27:06.77	-0.61

533.

2023-05-16 time: 10:00:01.32 UTC ML= 1.8
 lat: 48.221N lon: 16.909E h= 0.0 km
 erh= 6.3km erz= 956km
 nr= 6 gap=237 rms=0.56
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	14.6	101	Pg	10:00:03.68	-0.25
			Sg	00:05.42	-0.54
MODS	32.2	58	Pg	10:00:07.38	0.32
			Sg	00:11.66	0.12
KRUC	100.9	338	Pg	10:00:19.96	0.63
			Sg	00:32.01	-1.38

Földrengés paraméterek

534.

2023-05-16 time: 12:39:32.11 UTC ML= 1.9
 lat: 47.052N lon: 19.494E h= 0.0 km
 erh= 3.0km erz= 492km
 nr= 7 gap=198 rms=0.32
 Locality: Felsőlajos
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	25.3	269	Pg	12:39:36.84	0.20
			Sg	39:39.05	-1.12
PENC	83.7	349	Pg	12:39:47.39	0.34
PSZ	100.9	17	Pg	12:39:49.83	-0.30
MORH	113.5	215	Pg	12:39:52.45	0.07
			Sg	40:08.20	0.02
PKSM	114.0	215	Sg	12:40:08.20	-0.14

535.

2023-05-16 time: 13:03:00.18 UTC ML= 2.1
 lat: 47.064N lon: 19.472E h= 0.0 km
 erh= 5.1km erz= 741km
 nr= 7 gap=208 rms=0.49
 Locality: Felsőlajos
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	23.7	265	Pg	13:03:04.93	0.53
			Sg	03:07.13	-0.57
PENC	82.0	350	Pg	13:03:15.19	0.38
PKB4	91.5	226	Pg	13:03:16.78	0.26
PSZ	100.1	19	Pg	13:03:18.04	-0.02
			Sg	03:30.68	-1.32
PKS9	105.4	240	Pg	13:03:18.50	-0.49

536.

2023-05-16 time: 13:20:25.67 UTC ML= 1.9
 lat: 47.063N lon: 19.430E h= 0.0 km
 erh= 2.6km erz= 507km
 nr= 9 gap=192 rms=0.41
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	20.5	265	Pg	13:20:30.03	0.70
			Sg	20:32.05	-0.13
PENC	81.7	352	Pg	13:20:40.46	0.21
PSZ	101.4	20	Pg	13:20:43.20	-0.57
PKS9	102.5	239	Pg	13:20:44.06	0.09
MORH	111.7	213	Pg	13:20:45.82	0.20
			Sg	21:00.52	-0.66
PKSM	112.2	213	Pg	13:20:45.75	0.05
			Sg	21:00.71	-0.62

537.

2023-05-17 time: 0:50:47.81 UTC ML= 1.4
 lat: 47.534N lon: 20.052E h= 11.6 km
 erh= 1.5km erz= 1.7km
 nr= 8 gap=113 rms=0.28
 Locality: Jászdózsza
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	30.7	148	Pg	0:50:54.06	0.38
			Sg	50:57.61	-0.64
PSZ	44.3	345	Pg	0:50:56.13	0.14
			Sg	51:02.09	-0.27
PKS7	86.4	231	Pg	0:51:03.41	0.03
			Sg	51:15.23	-0.30
ABAH	122.7	46	Pn	0:51:08.81	0.14
			Sn	51:24.61	-0.33

Földrengés paraméterek

Hypocenter Parameters

538.

2023-05-17 time: 7:56:19.79 UTC ML= 1.8
 lat: 46.054N lon: 22.800E h= 0.0 km
 erh= 3.4km erz= 5.4km
 nr= 9 gap=116 rms=0.77
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.6	157	PgU	7:56:23.68	0.22
			Sg	56:25.80	-0.52
GZR	73.4	181	Pg	7:56:33.11	0.21
DRGR	82.3	355	Pg	7:56:34.80	0.32
			Sg	56:44.93	-1.02
BZS	104.0	242	Pg	7:56:39.41	1.05
			Sg	56:51.54	-1.31
DJES	159.4	188	Sn	7:57:05.71	-1.96
VOIR	188.0	111	Sn	7:57:14.16	0.13

539.

2023-05-17 time: 9:25:19.08 UTC ML= 0.7
 lat: 47.204N lon: 18.312E h= 0.0 km
 erh= 2.3km erz= 5.4km
 nr= 9 gap=119 rms=0.66
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.1	347	Pg	9:25:22.64	0.33
			Sg	25:23.97	-0.86
PKSG	21.7	16	Pg	9:25:23.78	0.83
			Sg	25:25.66	-0.31
PKST	21.9	286	Pg	9:25:23.35	0.36
			Sg	25:25.11	-0.94
MORH	112.8	167	Sg	9:25:55.00	0.08
PKSM	113.1	167	Sg	9:25:54.85	-0.19
PSZ	143.1	56	Sn	9:26:01.66	-1.70

540.

2023-05-17 time: 9:29:02.74 UTC ML= 2.1
 lat: 48.348N lon: 19.872E h= 0.0 km
 erh= 3.0km erz= 6.0km
 nr= 10 gap=161 rms=0.89
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	47.8	178	Pg	9:29:11.79	0.51
			Sg	29:18.36	0.42
KECS	47.8	72	Pg	9:29:12.41	1.13
			Sg	29:18.15	0.21
LANS	94.0	342	Pg	9:29:20.26	0.73
ABAH	101.6	93	Sg	9:29:34.03	-1.00
NIE	123.4	15	Pg	9:29:23.78	-0.99
			Sg	29:41.06	-0.89
PKSN	161.3	180	Pn	9:29:29.18	-0.71
			Sn	29:48.55	-2.51

541.

2023-05-17 time: 10:55:47.39 UTC ML= 1.8
 lat: 46.523N lon: 22.540E h= 0.0 km
 erh= 3.9km erz= 5.0km
 nr= 9 gap=168 rms=0.71
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	32.6	24	Pg	10:55:53.54	0.33
			Sg	55:56.28	-1.48

CJR	83.8	75	Pg	10:56:02.66	0.31
			Sg	56:13.34	-0.67
BZS	123.5	215	Pg	10:56:09.54	0.10
			Sg	56:26.20	-0.44
GZR	126.9	172	Sg	10:56:27.26	-0.46
BMR	147.1	30	Pn	10:56:14.08	1.33
			Sn	56:31.72	-0.82

542.

2023-05-17 time: 11:36:14.51 UTC ML= 1.6
 lat: 47.073N lon: 19.406E h= 0.0 km
 erh= 4.3km erz= 787km
 nr= 7 gap=190 rms=0.52
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.8	261	Pg	11:36:18.02	0.15
			Sg	36:19.82	-0.67
PENC	80.3	353	Pg	11:36:29.52	0.66
PSZ	101.0	21	Pg	11:36:32.22	-0.32
			Sg	36:45.06	-1.54
MORH	111.7	211	Pg	11:36:34.31	-0.15
PKSM	112.2	211	Pg	11:36:34.96	0.41

543.

2023-05-18 time: 4:34:54.65 UTC ML= 1.1
 lat: 47.653N lon: 16.043E h= 8.6 km
 erh= 1.6km erz= 1.3km
 nr= 19 gap=106 rms=0.60
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	19.7	75	Pg	4:34:58.95	0.46
			Sg	35:01.38	-0.11
CONA	33.6	336	Pg	4:35:00.91	0.07
			Sg	35:05.10	-0.57
SOP	38.8	85	Pg	4:35:02.08	0.33
			Sg	35:06.58	-0.71
WINA	50.6	3	Pg	4:35:03.79	-0.03
			Sg	35:10.62	-0.35
ARSA	59.5	221	Pg	4:35:05.49	0.11
			Sg	35:12.02	-1.73
ABNA	122.0	338	Pn	4:35:15.63	-0.16
			Sn	35:30.18	-2.10
MODS	122.1	49	Sn	4:35:31.92	-0.39
MPLH	125.0	115	Sn	4:35:32.43	-0.52
MOA	135.1	279	Pn	4:35:18.46	1.03
			Sn	35:35.94	0.75
KRUC	158.9	9	Pn	4:35:20.88	0.49
			Sn	35:39.86	-0.61
VRAC	188.6	12	Sn	4:35:48.07	1.01

544.

2023-05-18 time: 7:35:17.75 UTC ML= 1.5
 lat: 47.851N lon: 19.127E h= 0.0 km
 erh= 4.3km erz= 875km
 nr= 7 gap=188 rms=0.67
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.4	120	Pg	7:35:20.74	0.60
			Sg	35:22.46	0.46
PSZ	57.9	83	Pg	7:35:28.49	0.40
			Sg	35:35.69	-0.46
PKSG	75.3	227	Sg	7:35:40.86	-0.82
KECS	123.1	55	Pg	7:35:39.68	-0.05
			Sg	35:54.94	-1.94

Hypocenter Parameters

545.
 2023-05-18 time: 8:36:47.93 UTC ML= 1.9
 lat: 47.711N lon: 18.609E h= 0.0 km
 erh= 3.6km erz= 3.3km
 nr= 19 gap=233 rms=1.03
 Locality: Mogyorósbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	24.9	297	Pg	8:36:53.53	1.15
			Sg	36:56.66	0.81
PKSG	39.2	205	Pg	8:36:55.46	0.54
			Sg	37:01.17	0.79
CSKK	46.8	214	Pg	8:36:56.66	0.37
			Sg	37:01.90	-0.90
PKST	66.4	221	Pg	8:37:00.47	0.68
			Sg	37:08.21	-0.83
MPLH	100.7	233	Pg	8:37:06.49	0.58
			Sg	37:18.54	-1.39
MODS	123.6	307	Sg	8:37:25.35	-1.88
			Sg	8:37:24.73	-2.86
MORH	166.3	179	Pn	8:37:16.18	0.48
			Sn	37:35.59	-1.77
PKSM	166.7	179	Pn	8:37:16.65	0.90
			Sn	37:35.51	-1.94
KOVH	184.6	192	Pn	8:37:17.20	-0.78
			Sn	37:40.68	-0.73
PKSV	204.5	188	Sn	8:37:44.35	-1.48

546.

2023-05-18 time: 9:05:21.75 UTC ML= 1.6
 lat: 48.597N lon: 20.775E h= 0.0 km
 erh= 2.4km erz= 4.0km
 nr= 16 gap= 91 rms=1.00
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.8	239	Pg	9:05:26.62	0.43
			Sg	05:30.06	0.41
ABAH	47.9	134	Pg	9:05:30.69	0.38
			Sg	05:37.11	0.12
NIE	97.5	340	Pg	9:05:40.55	1.39
			Sg	05:51.27	-1.47
PSZ	99.8	221	Pg	9:05:40.55	0.97
			Sg	05:52.37	-1.12
LANS	114.0	303	Pg	9:05:42.59	0.48
			Sg	05:56.05	-1.93
KOLS	116.3	71	Pg	9:05:43.29	0.77
			Sg	05:57.38	-1.34
TRPA	140.6	112	Pn	9:05:46.11	-0.21
			Sn	06:03.33	-2.15
STZU	143.5	71	Pn	9:05:46.66	-0.02
			Sn	06:04.11	-2.01

547.

2023-05-18 time: 9:19:58.19 UTC ML= 1.9
 lat: 48.425N lon: 17.234E h= 0.0 km
 erh= 1.8km erz= 2.0km
 nr= 27 gap= 77 rms=1.00
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.6	151	Pg	9:20:00.02	0.65
			Sg	20:01.51	1.22
SMOL	17.4	56	Pg	9:20:01.55	0.25
			Sg	20:04.52	0.79
ZST	27.3	201	Pg	9:20:03.70	0.63
			Sg	20:05.93	-0.94
JAVC	58.0	34	Pg	9:20:10.12	1.58
			Sg	20:15.44	-1.18

Földrengés paraméterek

KRUC	93.9	319	Pg	9:20:15.52	0.56
			Sg	20:26.51	-1.52
RONA	106.8	221	Pg	9:20:17.05	-0.21
			VRAC	108.8	334
CONA	116.1	242	Pg	9:20:19.18	0.26
			Sg	20:31.76	-1.03
CSKK	140.9	147	Pg	9:20:19.18	0.26
			Sg	20:34.34	-0.75
MPLH	141.4	171	Sn	9:20:38.96	-3.02
			Sn	9:20:39.82	-2.28
PKST	142.9	155	Sn	9:20:40.68	-1.74
			PKSG	143.8	143
MORC	152.0	9	Pn	9:20:24.23	0.06
			Sn	20:42.17	-2.27
PENC	168.0	115	Sn	9:20:47.72	-0.29
			ARSA	183.0	224
KRLC	186.4	350	Sn	20:50.77	-0.55
			Pn	9:20:29.49	1.02
PSZ	205.8	106	Sn	20:51.87	-0.22
			Sn	9:20:56.49	0.11

548.

2023-05-18 time: 9:34:28.36 UTC ML= 1.4
 lat: 48.520N lon: 17.486E h= 0.0 km
 erh= 2.3km erz= 525km
 nr= 9 gap=204 rms=0.39
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.3	260	PgU	9:34:28.97	-0.16
			Sg	34:29.60	-0.13
MODS	22.4	223	Pg	9:34:32.54	0.17
			Sg	34:34.77	-0.73
JAVC	40.1	20	Pg	9:34:35.45	-0.07
			Sg	34:40.71	-0.39
KRUC	100.2	307	Pg	9:34:47.03	0.76
			Sg	34:59.71	-0.52
VRAC	109.4	323	Pg	9:34:48.13	0.24

549.

2023-05-18 time: 10:50:36.00 UTC ML= 1.6
 lat: 48.846N lon: 21.576E h= 0.0 km
 erh= 2.4km erz= ***km
 nr= 15 gap= 97 rms=0.94
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	52.1	79	Pg	10:50:46.38	1.09
			Sg	50:52.65	0.11
ABAH	66.0	202	Sg	10:50:56.63	-0.35
			STHS	67.9	339
HOLU	69.3	121	Sg	50:56.08	-1.51
			Sg	10:50:57.45	-0.57
STZU	79.0	76	Pg	10:50:51.06	0.95
			Sg	50:59.72	-1.40
KECS	89.9	243	Pg	10:50:52.88	0.83
			Sg	51:03.75	-0.82
MUKU	92.8	118	Sg	10:51:03.75	-1.73
			TRPA	106.8	138
NIE	112.0	305	Sg	51:08.69	-1.25
			Pg	10:50:56.27	0.27
			Sg	51:10.05	-1.56

550.

2023-05-18 time: 14:35:15.22 UTC ML= 1.6
 lat: 47.097N lon: 19.387E h= 0.0 km
 erh= 5.4km erz= 898km
 nr= 8 gap=187 rms=0.64
 Locality: Tatárszentgyörgy
 Comments: probably explosion

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKS7	18.1	252	Pg	14:35:18.27	-0.18
			Sg	35:20.09	-0.87
PKB5	74.8	222	Pg	14:35:29.62	1.05
PENC	77.5	354	Pg	14:35:29.88	0.83
PSZ	99.0	23	Pg	14:35:32.50	-0.39
			Sg	35:45.60	-1.07
MORH	113.3	210	Pg	14:35:35.33	-0.12
PKSM	113.8	210	Pg	14:35:35.37	-0.17

551.

2023-05-19 time: 6:34:51.90 UTC ML= 1.1
 lat: 48.006N lon: 20.336E h= 0.0 km
 erh= 5.2km erz= 860km
 nr= 5 gap=189 rms=0.40
 Locality: Szarvaskő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	34.4	254	Pg	6:34:57.60	-0.45
			Sg	35:03.78	0.94
KECS	54.2	12	Pg	6:35:01.65	0.07
			Sg	35:09.18	0.05
ABAH	74.5	64	Sg	6:35:15.60	0.00

552.

2023-05-19 time: 8:41:45.59 UTC ML= 1.0
 lat: 46.225N lon: 18.264E h= 0.0 km
 erh= 2.5km erz= 716km
 nr= 9 gap=142 rms=0.54
 Locality: Kisbattyán
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.7	220	Pg	8:41:49.47	0.35
			Sg	41:51.90	0.03
PKSM	29.2	93	Pg	8:41:51.27	0.46
			Sg	41:54.24	-0.63
MORH	29.4	92	Pg	8:41:51.23	0.39
			Sg	41:54.43	-0.50
PKSV	37.4	181	Pg	8:41:52.51	0.24
			Sg	41:56.27	-1.21
PKS9	40.3	2	Sg	8:41:57.37	-1.02

553.

2023-05-19 time: 9:30:22.37 UTC ML= 1.4
 lat: 48.407N lon: 20.763E h= 0.0 km
 erh= 3.2km erz= 575km
 nr= 5 gap=177 rms=0.26
 Locality: Szendrő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.2	293	Pg	9:30:26.34	0.00
ABAH	37.4	109	Pg	9:30:28.77	-0.28
			Sg	30:34.76	0.50
PSZ	84.4	230	Pg	9:30:37.65	0.21
			Sg	30:48.92	-0.28

554.

2023-05-19 time: 9:39:45.14 UTC ML= 0.7
 lat: 47.263N lon: 18.233E h= 0.0 km
 erh= 3.7km erz= 462km
 nr= 6 gap=229 rms=0.29
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.3	11	Pg	9:39:47.41	0.25
			Sg	39:49.11	0.37

Hypocenter Parameters

PKST	15.1	268	Pg	9:39:47.88	0.05
			Sg	39:49.44	-0.48
PKSG	18.6	40	Pg	9:39:48.43	-0.03
			Sg	39:50.53	-0.53

555.

2023-05-19 time: 9:47:50.08 UTC ML= 1.1
 lat: 47.973N lon: 16.097E h= 0.0 km
 erh= 2.2km erz= 4.0km
 nr= 9 gap=116 rms=0.53
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.3	254	Pg	9:47:53.25	-0.10
			Sg	47:55.68	-0.22
RONA	33.8	154	Pg	9:47:56.19	0.06
			Sg	48:00.53	-0.31
MODS	98.4	63	Sg	9:48:21.23	-0.14
KRUC	123.1	10	Pg	9:48:12.58	0.52
			Sg	48:27.92	-1.28
VRAC	152.9	14	Pn	9:48:17.08	0.89
			Sn	48:35.71	-0.84

556.

2023-05-19 time: 9:53:29.61 UTC ML= 1.2
 lat: 47.183N lon: 18.315E h= 0.0 km
 erh= 2.9km erz= 965km
 nr= 10 gap=153 rms=0.77
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.5	348	Pg	9:53:33.28	0.01
			Sg	53:35.47	-0.65
PKST	22.9	292	Pg	9:53:33.75	0.05
			Sg	53:36.57	-0.32
PKSG	23.9	14	Pg	9:53:34.22	0.34
			Sg	53:36.76	-0.45
MPLH	58.8	269	Pg	9:53:41.97	1.85
			Sg	53:47.76	-0.55
MORH	110.4	167	Sg	9:54:04.23	-0.47
PKSM	110.8	167	Sg	9:54:03.53	-1.30

557.

2023-05-19 time: 9:58:26.32 UTC ML= 1.1
 lat: 47.978N lon: 16.099E h= 0.0 km
 erh= 2.4km erz= 695km
 nr= 7 gap=144 rms=0.46
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.6	253	Pg	9:58:29.94	0.30
			Sg	58:32.37	0.14
RONA	34.3	154	Pg	9:58:32.68	0.24
			Sg	58:37.22	0.00
ARSA	91.7	208	Sg	9:58:54.79	-0.69
KRUC	122.5	10	Pg	9:58:48.26	0.06
			Sg	59:03.44	-1.82

558.

2023-05-19 time: 13:51:29.21 UTC ML= 2.1
 lat: 48.229N lon: 21.273E h= 0.0 km
 erh= 3.0km erz= 3.7km
 nr= 17 gap= 98 rms=1.06
 Locality: Tállya
 Comments: probably explosion

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ABAH	7.9	342	PgU	13:51:31.27	0.66
			Sg	51:32.06	0.36
KECS	64.8	296	Pg	13:51:41.23	0.45
			Sg	51:49.49	-0.32
HOLU	88.8	68	Sg	13:51:57.16	-0.26
TRPA	94.8	97	Pg	13:51:47.06	0.92
			Sg	51:58.68	-0.67
LTVH	105.0	153	Sg	13:52:00.60	-1.97
KOLS	107.6	43	Pg	13:51:48.12	-0.30
			Sg	52:00.80	-2.62
PSZ	108.4	251	Pg	13:51:49.21	0.66
			Sg	52:02.13	-1.52
STHS	132.1	359	Sn	13:52:08.78	-2.27
STZU	132.6	49	Pn	13:51:53.13	0.36
NIE	149.9	332	Sn	13:52:14.10	-0.90
LANS	167.8	308	Pn	13:51:59.00	1.84
			Sn	52:18.64	-0.33

559.

2023-05-22 time: 0:26:07.67 UTC ML= 2.0
 lat: 45.532N lon: 16.086E h= 8.1 km
 erh= 1.7km erz= 1.3km
 nr= 35 gap=132 rms=0.67
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	33.8	348	Pg	0:26:14.11	0.22
			Sg	26:18.82	0.09
R971	34.5	350	Pg	0:26:14.14	0.13
PTJ	42.1	346	Pg	0:26:15.36	0.02
			Sg	26:21.53	0.21
GCIS	51.6	316	iPg	0:26:17.48	0.47
			eSg	26:24.68	0.40
CRES	58.9	304	Pg	0:26:18.52	0.23
			Sg	26:25.73	-0.85
GOLS	64.2	326	ePg	0:26:19.36	0.13
			eSg	26:28.30	0.05
R93E	64.3	104	Pg	0:26:19.19	-0.06
BOJS	65.2	267	ePg	0:26:19.91	0.50
			iSg	26:28.07	-0.49
CESS	69.0	315	eSg	0:26:29.57	-0.18
RCF6	89.7	354	Pg	0:26:23.45	-0.30
			Sg	26:34.65	-1.64
GROS	112.8	336	Pn	0:26:27.78	0.05
			Sn	26:41.19	-2.19
BEHE	117.2	27	Pn	0:26:28.28	-0.01
			Sn	26:43.36	-1.01
BLY	122.6	135	Pn	0:26:28.72	-0.24
			Sn	26:44.16	-1.40
PERS	143.8	329	Pn	0:26:31.74	0.14
			Sn	26:48.96	-1.31
SOKA	151.2	327	Pn	0:26:34.03	1.50
			Sn	26:51.40	-0.51
OBKA	161.2	312	Pn	0:26:36.70	2.93
			Sn	26:55.48	1.36
KOVH	168.4	68	Pn	0:26:34.42	-0.24
			Sn	26:55.91	0.20
PKSV	173.3	77	Sn	0:26:57.01	0.20
PKSM	212.4	69	Sn	0:27:07.97	2.49
MORH	212.7	69	Sn	0:27:07.92	2.36
RONA	241.6	4	Pn	0:26:44.88	1.09

560.

2023-05-22 time: 2:35:45.55 UTC ML= 2.1
 lat: 46.851N lon: 21.493E h= 7.2 km
 erh= 1.9km erz= 1.9km
 nr= 23 gap= 65 rms=0.79
 Locality: Mezőgyán
 Comments:

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
LTVH	66.9	28	Pg	2:35:57.35	-0.21
			Sg	36:05.99	-0.94
AMBH	81.0	227	Pg	2:36:00.67	0.60
			Sg	36:10.53	-0.86
DRGR	93.2	94	Pg	2:36:01.88	-0.36
			Sg	36:13.51	-1.75
BSZH	105.6	298	Pg	2:36:04.70	0.25
			Sg	36:18.16	-1.03
PKSN	124.0	272	Pn	2:36:07.29	0.17
SURR	131.3	158	Pn	2:36:08.40	0.37
			Sn	36:24.26	-1.31
BZS	137.6	176	Pn	2:36:09.12	0.31
			Sn	36:25.75	-1.21
CJR	161.5	95	Pn	2:36:13.17	1.37
			Sn	36:32.85	0.58
ABAH	161.7	353	Pn	2:36:12.02	0.19
			Sn	36:31.24	-1.08
TRPA	162.6	29	Pn	2:36:12.99	1.06
			Sn	36:32.26	-0.25
PSZ	169.2	315	Pn	2:36:13.29	0.53
			Sn	36:32.67	-1.32
KECS	196.6	337	ePn	2:36:17.60	1.43
			eSn	36:41.00	0.95

561.

2023-05-22 time: 8:04:47.82 UTC ML= 1.2
 lat: 47.874N lon: 16.058E h= 0.0 km
 erh= 1.6km erz= 3.0km
 nr= 8 gap=127 rms=0.77
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.9	293	Pg	8:04:51.23	0.58
			Sg	04:53.50	0.64
RONA	26.3	137	Pg	8:04:53.11	0.59
			Sg	04:56.55	0.36
ARSA	80.1	210	Pg	8:05:01.87	-0.25
			Sg	05:11.97	-1.31
KRUC	134.5	11	Pn	8:05:11.34	-0.28
			Sn	05:27.39	-2.79

562.

2023-05-22 time: 8:07:46.27 UTC ML= 1.4
 lat: 48.560N lon: 20.708E h= 0.0 km
 erh= 8.4km erz= 911km
 nr= 5 gap=237 rms=0.46
 Locality: Bódvaszilas
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	18.5	242	Pg	8:07:49.62	0.05
			Sg	07:52.12	-0.03
PSZ	93.5	220	Pg	8:08:03.49	0.53
NIE	99.8	343	Sg	08:14.98	-1.01
			Sg	8:08:17.66	-0.32

563.

2023-05-22 time: 8:51:13.26 UTC ML= 1.6
 lat: 46.173N lon: 22.791E h= 0.0 km
 erh= 3.6km erz= ***km
 nr= 10 gap=119 rms=0.94
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	33.3	165	Pg	8:51:19.84	0.63
			Sg	51:22.43	-1.42
DRGR	69.1	355	Pg	8:51:26.35	0.76
			Sg	51:34.96	-0.25
SURR	69.5	228	Pg	8:51:26.40	0.73

Földrengés paraméterek

Hypocenter Parameters

CJR 86.4 46 Sg 51:34.18 -1.17
 BZS 110.1 236 Pg 8:51:39.65 -1.06
 R1E1 121.3 325 Sg 8:51:33.85 0.93
 Sg 51:47.01 -1.25
 Sg 8:51:50.53 -1.29

564.

2023-05-22 time: 9:17:39.50 UTC ML= 1.2
 lat: 48.524N lon: 20.706E h= 0.0 km
 erh= 9.7km erz= ***km
 nr= 5 gap=228 rms=0.59
 Locality: Bódvaszilas
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	16.9	254	Pg	9:17:41.90			-0.62
			Sg	17:45.99			1.12
ABAH	46.9	123	Pg	9:17:48.32			0.44
			Sg	17:54.13			-0.28
PSZ	90.4	222	Sg	9:18:07.88			-0.35

565.

2023-05-22 time: 17:46:42.70 UTC ML= 4.5
 lat: 46.081N lon: 21.529E h= 16.8 km
 erh= 1.2km erz= 1.2km
 nr= 50 gap= 35 rms=0.60
 Locality: Romania
 Comments: felt 5-6 MIS/IIS

sta	dist	azm	phase	hr	mn	sec	res
TIM	45.1	212	PgU	17:46:51.30			0.00
			Sg	46:59.20			1.19
BZS	52.1	172	PgU	17:46:52.29			-0.19
			Sg	47:00.18			0.08
SURR	58.8	128	Pg	17:46:53.09			-0.54
			Sg	47:01.60			-0.55
BANR	83.5	202	P*	17:46:57.64			0.06
			S*	47:09.89			0.71
DEV	108.8	102	Pn	17:47:00.59			-0.56
			Sn	47:15.04			-0.51
DRGR	120.4	49	Pn	17:47:02.54			-0.06
			Sn	47:16.19			-1.94
GZR	123.6	128	Pn	17:47:03.45			0.44
			Sn	47:18.97			0.13
LTVH	147.7	11	PnU	17:47:06.56			0.55
			Sn	47:24.40			0.22
PKSN	156.5	305	Pn	17:47:07.23			0.12
			Sn	47:25.82			-0.32
PKS6	161.8	291	Pn	17:47:07.78			0.01
			Sn	47:26.88			-0.45
BSZH	166.3	325	Pn	17:47:08.81			0.48
			Sn	47:27.78			-0.54
CJR	174.0	66	Pn	17:47:10.29			1.00
			Sn	47:31.33			1.31
DJES	178.9	154	Pn	17:47:10.27			0.37
			Sn	47:30.58			-0.53
PKB3	184.0	282	Pn	17:47:13.28			2.75
PKS2	184.2	284	Pn	17:47:10.83			0.27
			Sn	47:36.23			3.94*
ROB0	194.1	240	Pn	17:47:10.37			-1.43
PKB5	222.5	285	Pn	17:47:15.25			-0.09
MORH	223.4	274	Pn	17:47:14.88			-0.56
PKSM	223.6	274	Pn	17:47:14.88			-0.59
PKB1	224.4	290	PnU	17:47:15.40			-0.17
SF5A	229.4	315	Pn	17:47:16.58			0.38
PKB4	230.1	282	Pn	17:47:16.06			-0.22
BMR	232.0	40	Pn	17:47:17.16			0.64
PSZ	239.1	329	Pn	17:47:17.24			-0.16
			Sn	47:41.54			-2.93*
TRPA	240.4	19	Pn	17:47:17.45			-0.11
BUD	246.8	309	Pn	17:47:18.11			-0.25
			Sn	47:46.22			0.04
PENC	255.7	318	Pn	17:47:19.59			0.11

KOVH	265.2	270	Pn	17:47:20.08			-0.58
KECS	278.5	344	Pn	17:47:23.01			0.70
			Sn	47:51.09			-2.12
PKSG	280.6	301	Pn	17:47:22.12			-0.46
VOIR	283.1	105	Pn	17:47:24.55			1.65
CSKK	287.6	300	Pn	17:47:23.35			-0.11
TIH	293.6	288	Pn	17:47:24.05			-0.15
PKST	297.7	296	Pn	17:47:24.71			-0.01
SRO	311.5	308	Pn	17:47:26.87			0.44*
			Sn	47:59.20			-1.33*
KOLS	322.0	10	Pn	17:47:28.31			0.57*
MPLH	328.6	292	Pn	17:47:28.79			0.22*
MLR	349.6	101	Pn	17:47:33.39			2.20*
EGYH	353.4	295	Pn	17:47:33.26			1.60*
BLY	371.0	246	Pn	17:47:33.76			-0.09*
STHS	371.5	357	Pn	17:47:34.67			0.76*
LANS	374.8	336	Pn	17:47:35.61			1.29*
NIE	382.1	346	Pn	17:47:36.74			1.50*
			Sn	48:15.53			-0.69*
VRI	403.6	93	Pn	17:47:39.64			1.72*
ZST	409.9	305	Pn	17:47:38.53			-0.17*
			Sn	48:21.35			-1.04*
MODS	410.6	308	Pn	17:47:38.68			-0.12*
			Sn	48:21.66			-0.89*
SMOL	411.5	311	Pn	17:47:38.48			-0.42*
SOP	418.6	295	Pn	17:47:39.52			-0.27*
JAVC	424.2	317	Pn	17:47:40.91			0.42*
PTJ	432.1	267	Pn	17:47:40.63			-0.84*
RONA	437.5	294	Pn	17:47:41.79			-0.35*
GROS	466.5	275	Pn	17:47:45.20			-0.56*
WINA	471.5	299	Pn	17:47:46.13			-0.25*
			Sn	48:33.23			-2.82*
CRES	471.6	267	Pn	17:47:45.67			-0.73*
CONA	477.4	295	Pn	17:47:46.71			-0.41*
ARSA	477.6	286	Pn	17:47:46.77			-0.38*
OJC	477.8	344	Pn	17:47:47.55			0.38*
PERS	497.3	277	Pn	17:47:49.20			-0.41*
SOKA	504.2	278	Pn	17:47:48.97			-1.49*
			Sn	48:41.50			-1.80*
MORC	507.5	324	Pn	17:47:51.01			0.13*
			Sn	48:42.90			-1.15*
KRUC	508.9	311	Pn	17:47:50.54			-0.51*
VRAC	515.7	314	Pn	17:47:51.64			-0.26*
OBKA	539.9	275	Pn	17:47:54.18			-0.74*
ABNA	543.0	302	Pn	17:47:54.89			-0.40*
			Sn	48:48.90			-3.01*
KRLC	567.8	321	Pn	17:47:58.40			0.01*
			Sn	48:57.00			-0.42*
TIRR	569.6	108	Pn	17:47:59.50			0.89*
MOA	586.7	290	Pn	17:48:01.38			0.64*
MYKA	610.1	276	Sn	17:49:04.30			-2.52*
BIOA	627.5	287	Pn	17:48:06.41			0.58*
KBA	637.1	280	Pn	17:48:06.57			-0.46*
			Sn	49:12.28			-0.52*
PRU	678.4	310	eSn	17:49:18.20			-3.78*
LESA	692.6	282	Pn	17:48:15.02			1.06*
			Sn	49:24.04			-1.09*
ABTA	697.2	276	Pn	17:48:15.02			0.50*
PVCC	714.9	314	eSn	17:49:26.00			-4.08*
KIEV	766.0	48	Pn	17:48:22.77			-0.33*
WTTA	768.3	280	Pn	17:48:24.68			1.29*
			Sn	49:40.60			-1.33*
WATA	773.8	280	Pn	17:48:24.93			0.86*
			Sn	49:42.10			-1.04*
SQTA	800.1	279	Pn	17:48:27.97			0.61*
			Sn	49:49.40			0.41*
MOTA	809.4	280	Pn	17:48:29.07			0.55*
FETA	834.8	277	Pn	17:48:33.36			1.67*
			Sn	49:55.50			-1.19*
DAVA	901.2	279	Pn	17:48:40.14			0.18*
STU	977.5	288	Pn	17:48:48.70			-0.78*
VSU	422.8	14	Pn	17:49:43.57			-1.42*

Hypocenter Parameters

Földrengés paraméterek

566.
 2023-05-22 time: 18:58:57.35 UTC ML= 1.8
 lat: 46.047N lon: 21.629E h= 14.9 km
 erh= 3.3km erz= 2.8km
 nr= 12 gap=114 rms=0.75
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	47.9	181	PgU	18:59:06.26			-0.04
			Sg	59:12.91			-0.38
SURR	50.4	130	Pg	18:59:06.74			0.01
			Sg	59:15.08			1.02
BANR	83.3	207	S*	18:59:23.53			-0.56
GZR	115.2	129	Sn	18:59:32.35			0.31
DRGR	117.3	45	Pn	18:59:17.06			-0.05
			Sn	59:31.46			-1.06
PKS6	170.5	291	Sn	18:59:44.92			0.61
MORH	231.5	275	Sn	18:59:55.99			-1.86
PKSM	231.7	275	Pn	18:59:34.63			3.27
			Sn	19:00:02.10			4.21*

567.
 2023-05-22 time: 19:45:02.49 UTC ML= 2.0
 lat: 46.113N lon: 21.589E h= 9.7 km
 erh= 3.0km erz= 3.1km
 nr= 11 gap=195 rms=0.54
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	50.6	214	Pg	19:45:11.62			-0.07
			Sg	45:19.30			0.42
BZS	55.2	178	PgU	19:45:12.72			0.22
			Sg	45:19.29			-1.01
SURR	57.6	134	Pg	19:45:13.66			0.74
			Sg	45:20.36			-0.70
BANR	88.5	203	Pg	19:45:18.36			-0.03
			Sg	45:30.27			-0.52
DRGR	114.6	49	Pn	19:45:23.05			0.48
			Sn	45:36.95			-1.28
GZR	122.2	131	Sn	19:45:39.84			-0.09

568.
 2023-05-22 time: 19:55:26.02 UTC ML= 4.1
 lat: 46.081N lon: 21.552E h= 14.1 km
 erh= 2.4km erz= 2.5km
 nr= 51 gap= 60 rms=1.22
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	46.1	214	PgU	19:55:34.70			0.07
			Sg	55:41.78			0.43
BZS	51.9	174	PgU	19:55:35.64			0.02
			Sg	55:42.23			-0.87
SURR	57.4	129	Pg	19:55:36.51			-0.06
			Sg	55:43.82			-0.99
BANR	84.1	203	P*	19:55:41.04			-0.21
			S*	55:52.76			-0.37
DEV	107.0	102	Pn	19:55:43.93			-0.66
			Sn	55:57.77			-1.31
DRGR	119.1	48	Pn	19:55:46.10			0.00
			Sn	55:59.37			-2.39
GZR	122.2	129	Pn	19:55:46.98			0.49
			Sn	56:01.86			-0.59
LTVH	147.4	10	PnU	19:55:49.97			0.34
			Sn	56:07.68			-0.36
PKSN	158.0	305	PnU	19:55:50.85			-0.10
			Sn	56:09.19			-1.21
PKS6	163.5	291	Pn	19:55:51.36			-0.28
			Sn	56:10.39			-1.24

BSZH	167.4	324	Pn	19:55:52.30			0.18
			Sn	56:11.42			-1.07
CJR	172.3	66	Pn	19:55:55.38			2.64
			Sn	56:14.52			0.93
DJES	178.1	155	Pn	19:55:55.32			1.86
			Sn	56:14.06			-0.80
PKB3	185.7	282	Pn	19:55:56.61			2.20
PKS2	186.0	284	Pn	19:55:53.75			-0.69
PKS7	212.5	300	Pn	19:55:57.31			-0.44
			Sn	56:27.66			5.16
PKB5	224.3	285	Pn	19:55:58.77			-0.45
			Sn	56:30.84			5.73*
MORH	225.2	274	Pn	19:56:03.43			4.10
PKSM	225.4	274	Pn	19:56:03.49			4.14
PKB1	226.1	290	Pn	19:55:58.55			-0.89
SF5A	230.7	314	Pn	19:55:59.79			-0.23
PKB4	231.8	281	Pn	19:56:04.66			4.50
TRPA	239.8	18	Pn	19:56:06.17			5.01
PSZ	240.0	328	Pn	19:56:00.60			-0.58
			Sn	56:25.35			-3.26
PBUD	247.6	308	Pn	19:56:01.72			-0.41
BUD	248.2	309	Pn	19:56:01.46			-0.74
			Sn	56:28.61			-1.81
PENC	256.9	318	Pn	19:56:02.97			-0.32
PKS9	258.2	283	Pn	19:56:02.93			-0.52
KECS	279.0	343	Pn	19:56:06.35			0.31
			Sn	56:34.86			-2.39
VOIR	281.4	105	Pn	19:56:08.30			1.96
PKSG	282.2	301	Pn	19:56:05.64			-0.80
CSKK	289.2	300	Pn	19:56:06.96			-0.36
TIH	295.3	288	Pn	19:56:07.35			-0.73
PKST	299.4	296	Pn	19:56:08.02			-0.56*
SRO	312.9	308	Pn	19:56:09.81			-0.46*
			Sn	56:43.37			-1.41*
KOLS	321.7	10	Pn	19:56:11.38			0.01*
MPLH	330.3	292	Pn	19:56:11.71			-0.73*
EGYH	355.1	295	Pn	19:56:16.52			0.99*
BEHE	370.7	277	Pn	19:56:16.52			-0.96*
STHS	371.6	356	Pn	19:56:17.64			0.05*
BLY	372.6	247	Pn	19:56:16.91			-0.81*
LANS	375.5	335	Pn	19:56:18.65			0.57*
ZST	411.4	305	ePn	19:56:21.20			-1.35*
			eSn	57:04.00			-2.64*
MODS	412.0	308	Pn	19:56:21.95			-0.68*
SMOL	412.8	311	Pn	19:56:22.12			-0.61*
SOP	420.3	295	Pn	19:56:23.12			-0.54*
RONA	439.1	294	Pn	19:56:25.55			-0.46*
			Sn	57:08.48			-4.32*
WINA	473.1	298	Pn	19:56:30.18			-0.06*
			Sn	57:16.22			-4.11*
OJC	478.3	344	Pn	19:56:31.01			0.12*
CONA	479.0	295	Pn	19:56:30.30			-0.68*
			Sn	57:18.05			-3.60*
ARSA	479.4	286	Pn	19:56:30.68			-0.35*
BOJS	494.1	263	iPn	19:56:32.20			-0.66*
PERS	499.1	277	ePn	19:56:31.94			-1.55*
			iSn	57:21.51			-4.61*
SOKA	506.0	278	Pn	19:56:33.28			-1.06*
			Sn	57:25.16			-2.47*
MORC	508.6	324	Pn	19:56:34.31			-0.36*
OBKA	541.7	275	Pn	19:56:38.30			-0.50*
ABNA	544.5	302	Pn	19:56:38.38			-0.76*
			Sn	57:32.33			-3.85*
MOA	588.4	290	Pn	19:56:44.87			0.25*
			Sn	57:41.20			-4.72*
BIOA	629.2	287	Pn	19:56:50.13			0.42*
			Sn	57:51.80			-3.18*
KBA	638.8	280	Pn	19:56:49.20			-1.71*
			Sn	57:55.90			-1.22*
LESA	694.4	282	Pn	19:56:58.51			0.67*
			Sn	58:07.00			-2.45*
ABTA	699.0	276	Pn	19:56:58.31			-0.10*
WTTA	770.1	280	Pn	19:57:07.83			0.55*
WATA	775.5	280	Pn	19:57:08.40			0.45*
SQTA	801.9	279	Pn	19:57:10.84			-0.40*

Földrengés paraméterek

Hypocenter Parameters

MOTA 811.2 280 Pn 19:57:10.93 -1.47*
 FETA 836.6 277 Pn 19:57:16.80 1.23*
 RETA 838.7 281 Pn 19:57:14.39 -1.44*
 DAVA 903.0 279 Pn 19:57:23.61 -0.23*

569.

2023-05-22 time: 20:10:27.22 UTC ML= 1.3
 lat: 46.091N lon: 21.574E h= 10.0 km
 erh= 3.0km erz= 3.4km
 nr= 5 gap=232 rms=0.68
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	52.8	176	PgU	20:10:37.16			0.35
			Sg	10:43.73			-0.57
SURR	56.8	131	Pg	20:10:38.26			0.74
			Sg	10:44.99			-0.56
DRGR	117.1	48	Sn	20:11:02.28			-1.17

570.

2023-05-22 time: 20:26:21.32 UTC ML= 2.1
 lat: 46.103N lon: 21.639E h= 7.0 km
 erh= 3.5km erz= 3.7km
 nr= 18 gap= 85 rms=1.09
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	54.1	182	PgU	20:26:31.55			0.49
			Sg	26:37.79			-0.87
SURR	54.1	136	Pg	20:26:32.19			1.13
BANR	89.1	206	Pg	20:26:37.53			0.24
			Sg	26:49.23			-0.52
DRGR	112.5	47	Pg	20:26:41.92			0.47
			Sg	26:55.94			-1.21
GZR	118.6	132	Sn	20:26:57.30			-1.27
LTVH	143.9	8	Sn	20:27:03.46			-0.73
PKSN	162.1	303	Sn	20:27:08.42			0.19
PKS6	168.9	289	Pn	20:26:47.16			-1.37
			Sn	27:09.91			0.16
BSZH	169.4	322	Sn	20:27:12.35			2.50
PKB3	191.8	281	Sn	20:27:16.33			1.52
PKS7	217.0	299	Sn	20:27:23.38			2.96
MORH	231.6	273	Pn	20:26:54.60			-1.75
			Sn	27:26.98			3.32
PKSM	231.9	273	Pn	20:26:54.91			-1.46

571.

2023-05-22 time: 20:47:13.61 UTC ML= 1.5
 lat: 46.098N lon: 21.612E h= 10.0 km
 erh= 3.9km erz= 5.0km
 nr= 7 gap=118 rms=0.66
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	53.5	180	PgU	20:47:23.53			0.19
			Sg	47:30.10			-0.82
SURR	55.2	134	Pg	20:47:24.07			0.44
			Sg	47:31.04			-0.41
DRGR	114.4	48	Pn	20:47:34.33			0.70
			Sn	47:47.63			-1.61
PKS6	167.2	289	Sn	20:48:00.50			-0.46

572.

2023-05-22 time: 21:21:04.62 UTC ML= 2.4
 lat: 46.065N lon: 21.568E h= 15.2 km
 erh= 2.4km erz= 2.4km
 nr= 31 gap= 58 rms=0.78
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	45.4	216	Pg	21:21:13.26			0.09
			Sg	21:20.32			0.49
BZS	50.0	176	Pg	21:21:14.09			0.13
			Sg	21:20.98			-0.26
SURR	55.4	129	Pg	21:21:15.01			0.14
			Sg	21:22.09			-0.78
DEV	105.5	101	Pn	21:21:22.48			-0.38
			Sn	21:35.70			-1.38
DRGR	119.4	47	Pn	21:21:24.75			0.16
			Sn	21:39.15			-1.01
GZR	120.1	128	Pn	21:21:25.67			0.98
			Sn	21:40.50			0.16
LTVH	148.9	10	Pn	21:21:28.41			0.14
			Sn	21:46.69			-0.03
PKSN	160.0	305	Sn	21:21:51.29			2.10
PKS6	165.3	291	Pn	21:21:29.89			-0.43
			Sn	21:50.63			0.27
BSZH	169.5	324	Pn	21:21:30.22			-0.62
			Sn	21:54.44			3.14
CJR	172.0	65	Pn	21:21:34.00			2.85
			Sn	21:54.58			2.73
PKS2	187.6	285	Pn	21:21:32.75			-0.35
MORH	226.5	274	Pn	21:21:37.28			-0.67
PKB1	227.8	291	Pn	21:21:37.30			-0.82
PKB4	233.4	282	Pn	21:21:38.28			-0.53
TRPA	241.1	18	Pn	21:21:39.46			-0.31
PSZ	242.2	328	Pn	21:21:39.54			-0.36
ABAH	249.3	354	Pn	21:21:40.63			-0.16
KECS	281.0	343	ePn	21:21:45.00			0.25
			eSn	22:13.30			-2.74*
PKSG	284.1	301	Pn	21:21:44.37			-0.76
PKST	301.2	296	Pn	21:21:46.80			-0.47*
KOLS	323.3	9	Pn	21:21:49.89			-0.12*

573.

2023-05-22 time: 23:07:32.53 UTC ML= 1.4
 lat: 46.101N lon: 21.570E h= 13.7 km
 erh= 5.4km erz= 3.5km
 nr= 6 gap=233 rms=0.44
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	54.0	176	PgU	23:07:42.67			0.20
			Sg	07:49.48			-0.74
SURR	57.8	132	Pg	23:07:43.62			0.49
			Sg	07:50.83			-0.58
DRGR	116.6	49	Sn	23:08:07.48			-0.31
GZR	122.5	130	Sn	23:08:09.28			0.17

574.

2023-05-22 time: 23:48:14.86 UTC ML= 2.2
 lat: 46.074N lon: 21.557E h= 10.6 km
 erh= 1.8km erz= 1.8km
 nr= 17 gap=117 rms=0.42
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	45.7	215	Pg	23:48:23.34			0.11
			Sg	48:30.39			0.63
BZS	51.0	175	Pg	23:48:24.44			0.27
			Sg	48:30.93			-0.49

Hypocenter Parameters

Station	Dist	Azm	Phase	hr	mn	sec	res
SURR 56.6 129			Pg	23:48:25.46		0.32	
			Sg	48:32.19		-0.97	
BANR 83.5 203			Pg	23:48:29.45		-0.45	
			Sg	48:41.66		0.03	
DRGR 119.3 48			Pn	23:48:35.32		-0.10	
			Sn	48:48.86		-2.60*	
GZR 121.4 129			Pn	23:48:36.26		0.58	
			Sn	48:51.67		-0.25	
PKS6 164.2 291			Pn	23:48:40.49		-0.53	
			Sn	49:01.23		-0.19	
CJR 172.3 66			Pn	23:48:42.29		0.26	
			Sn	49:03.10		-0.13	
PKB3 186.3 282			Pn	23:49:06.86		0.54	

575.

2023-05-23 time: 2:12:24.67 UTC ML= 2.5
 lat: 46.061N lon: 21.556E h= 18.3 km
 erh= 1.1km erz= 1.0km
 nr= 33 gap= 55 rms=0.45
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM 44.4 216			Pg	2:12:33.23		-0.02	
			Sg	12:40.23		0.28	
BZS 49.6 175			PgU	2:12:34.21		0.11	
			Sg	12:40.55		-0.91	
SURR 55.7 128			Pg	2:12:35.02		-0.12	
			Sg	12:42.82		-0.49	
BANR 82.2 203			P*	2:12:39.72		0.51	
			S*	12:51.06		0.51	
DEV 106.2 101			Pn	2:12:42.36		-0.25	
			Sn	12:56.72		0.11	
DRGR 120.3 48			Pn	2:12:44.42		0.05	
			Sn	12:58.41		-1.33	
GZR 120.5 128			Sn	2:12:59.80		0.02	
			Pn	2:12:48.22		0.21	
LTVH 149.5 10			Sn	13:05.97		-0.25	
			Pn	2:12:49.51		0.25	
PKSN 159.6 306			Sn	13:11.30		2.85*	
			Pn	2:12:49.99		0.09	
PKS6 164.7 291			Sn	13:09.38		-0.20	
			Pn	2:13:10.42		-0.21	
BSZH 169.4 324			Pn	2:12:52.17		1.23	
			Sn	13:12.24		0.81	
CJR 173.0 65			Pn	2:12:52.32		-0.31	
			Sn	13:14.73		0.30	
PKB3 186.6 282			Pn	2:12:56.80		-0.64	
			Sn	2:12:57.31		-0.39	
PKB5 225.2 285			Pn	2:12:58.24		-0.14	
			Sn	2:12:59.23		-0.33	
PKB1 227.2 291			Pn	2:13:00.27		-0.23	
			Sn	2:13:02.91		0.20	
PKB4 232.7 282			Pn	2:13:03.54		-0.80	
			Sn	2:13:05.30		0.87	
PSZ 242.1 329			ePn	2:13:05.30		0.87	
			eSn	13:32.70		-2.75*	
ABAH 249.7 354			Pn	2:13:04.06		-0.67	
			Sn	2:13:05.09		-0.52	
KOVH 267.4 271			Pn	2:13:06.65		-0.21*	
			Sn	2:13:07.60		-0.99*	
VOIR 280.5 104			ePn	2:13:07.60		-0.99*	
			eSn	13:40.60		-2.24*	
KECS 281.2 343			Pn	2:13:10.49		-0.21*	
			Sn	2:13:13.50		-0.30*	
PKSG 283.7 301			ePn	2:13:21.50		0.54*	
			eSn	14:03.50		-1.36*	

576.

2023-05-23 time: 2:43:56.94 UTC ML= 1.5
 lat: 46.062N lon: 21.612E h= 12.6 km
 erh= 4.4km erz= 3.3km
 nr= 7 gap=227 rms=0.46
 Locality: Romania
 Comments:

Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
BZS 49.4 180			PgU	2:44:05.89		-0.17	
			Sg	44:12.72		-0.44	
SURR 52.4 131			Pg	2:44:06.77		0.20	
			Sg	44:13.89		-0.20	
DRGR 117.2 46			Pn	2:44:17.34		0.36	
			Sn	44:31.16		-1.44	
GZR 117.2 129			Sn	2:44:33.27		0.66	

577.

2023-05-23 time: 6:08:45.59 UTC ML= 1.2
 lat: 47.888N lon: 16.069E h= 0.0 km
 erh= 1.4km erz= 2.6km
 nr= 7 gap=145 rms=0.33
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA 16.1 286			Pg	6:08:48.46		-0.01	
			Sg	08:50.66		-0.05	
RONA 27.0 141			Pg	6:08:50.50		0.09	
			Sg	08:53.86		-0.30	
MODS 104.9 59			Sg	6:09:19.53		0.59	
			Pn	6:09:09.13		-0.04	
KRUC 132.8 10			Sn	09:25.72		-1.85	

578.

2023-05-23 time: 6:20:59.05 UTC ML= 1.6
 lat: 48.282N lon: 21.536E h= 0.0 km
 erh= 3.4km erz= 990km
 nr= 10 gap=149 rms=0.77
 Locality: Bodrogolaszi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH 22.1 274			Pg	6:21:03.80		0.81	
			Sg	21:05.73		-0.33	
TRPA 76.5 103			Sg	6:21:23.34		-0.01	
			Pg	6:21:14.26		0.76	
KECS 80.9 286			Sg	21:24.15		-0.63	
			Pg	6:21:15.13		-0.08	
KOLS 90.5 37			Sg	21:26.00		-1.82	
			Pg	6:21:22.49		0.59	
STHS 128.0 350			Sg	21:39.15		-0.57	
			Pg	6:21:38.53		-1.46	

579.

2023-05-23 time: 6:32:49.23 UTC ML= 1.6
 lat: 46.075N lon: 22.830E h= 0.0 km
 erh= 3.5km erz= 828km
 nr= 8 gap=172 rms=0.59
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV 22.0 165			Pg	6:32:53.31		0.14	
			Sg	33:09.66		-0.33	
SURR 65.3 237			Pg	6:33:01.53		0.63	
			Pg	6:33:03.72		0.16	
GZR 75.8 183			Pg	6:33:02.31		-0.47	
			Sg	33:12.64		-2.09	
DRGR 80.2 353			Pg	6:33:03.72		0.16	
			Pg	6:33:08.88		0.52	
BZS 107.1 242			Pg	6:33:08.88		0.52	
			Sg	33:22.42		-0.86	

Földrengés paraméterek

Hypocenter Parameters

580.

 2023-05-23 time: 8:01:04.35 UTC ML= 1.8
 lat: 48.469N lon: 17.409E h= 0.0 km
 erh= 2.3km erz= 542km
 nr= 13 gap=193 rms=0.49
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.1	16	PgU	8:01:05.40	0.13
			Sg	01:06.23	0.24
MODS	14.4	223	PgU	8:01:07.09	0.16
			Sg	01:09.71	0.77
ZST	37.9	217	Pg	8:01:11.53	0.40
			Sg	01:15.68	-0.73
JAVC	47.4	24	Pg	8:01:13.11	0.29
			Sg	01:18.61	-0.82
KRUC	99.5	311	Pg	8:01:22.41	0.29
			Sg	01:34.73	-1.24
RONA	119.2	224	Pg	8:01:25.50	-0.13
CONA	129.8	242	Pg	8:01:27.22	-0.31
			Sg	01:43.34	-2.28

581.

 2023-05-23 time: 8:04:09.63 UTC ML= 1.4
 lat: 48.588N lon: 20.760E h= 0.0 km
 erh= 2.4km erz= 687km
 nr= 7 gap=111 rms=0.45
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.4	240	Pg	8:04:14.17	0.37
			Sg	04:17.06	0.00
ABAH	48.1	132	Pg	8:04:18.24	0.03
			Sg	04:24.34	-0.57
PSZ	98.4	221	Sg	8:04:40.93	0.04
STHS	98.7	21	Pg	8:04:27.79	0.53
LANS	113.6	303	Pg	8:04:29.12	-0.79

582.

 2023-05-23 time: 8:18:05.31 UTC ML= 1.7
 lat: 46.056N lon: 22.812E h= 0.0 km
 erh= 3.0km erz= 910km
 nr= 9 gap=165 rms=0.69
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.5	160	Pg	8:18:09.00	0.02
			Sg	18:11.50	-0.33
SURR	63.0	238	Sg	8:18:24.96	-0.38
GZR	73.8	182	Pg	8:18:18.46	-0.02
			Sg	18:27.78	-0.98
DRGR	82.1	355	Pg	8:18:20.66	0.69
			Sg	18:30.05	-1.35
BZS	104.9	242	Pg	8:18:25.12	1.07
			Sg	18:38.11	-0.55

583.

 2023-05-23 time: 9:18:44.19 UTC ML= 1.7
 lat: 47.333N lon: 18.435E h= 0.0 km
 erh= 1.7km erz= 3.4km
 nr= 10 gap=113 rms=0.46
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.4	333	PgU	9:18:45.48	-0.03
			Sg	18:46.08	-0.45

CSKK	13.6	284	Pg	9:18:46.70	0.08
			Sg	18:48.17	-0.35
PKST	31.4	255	Pg	9:18:50.89	1.09
			Sg	18:53.82	-0.35
MORH	125.2	173	Sg	9:19:23.54	-0.45
PKSM	125.6	173	Sg	9:19:23.90	-0.22
PSZ	127.6	59	Sg	9:19:24.91	0.17
KOVH	140.7	190	Sn	9:19:27.77	-0.17

584.

 2023-05-23 time: 10:03:12.86 UTC ML= 1.4
 lat: 48.739N lon: 19.860E h= 0.0 km
 erh= 3.4km erz= ***km
 nr= 12 gap=126 rms=1.00
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	54.0	328	Pg	10:03:23.04	0.54
			Sg	03:28.67	-1.36
KECS	54.2	122	Pg	10:03:23.34	0.80
			Sg	03:30.07	-0.02
NIE	82.5	24	Pg	10:03:27.57	-0.02
			Sg	03:37.47	-1.62
PSZ	91.3	178	Pg	10:03:29.14	-0.03
			Sg	03:40.33	-1.55
ABAH	113.2	116	Sg	10:03:46.32	-2.52
PENC	113.9	202	Pg	10:03:34.08	0.88
			Sg	03:48.40	-0.66
STHS	126.1	53	Pg	10:03:36.69	1.32

585.

 2023-05-23 time: 10:13:37.02 UTC ML= 1.1
 lat: 47.549N lon: 18.479E h= 0.0 km
 erh= 5.0km erz= 427km
 nr= 5 gap=210 rms=0.19
 Locality: Szárliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	18.7	201	Pg	10:13:40.62	0.27
			Sg	13:42.89	-0.06
CSKK	26.4	219	Pg	10:13:41.72	-0.02
			Sg	13:45.08	-0.33
PSZ	113.9	69	Sg	10:14:13.10	-0.11

586.

 2023-05-23 time: 10:28:02.67 UTC ML= 1.6
 lat: 48.348N lon: 19.785E h= 0.0 km
 erh= 1.9km erz= 4.8km
 nr= 12 gap= 79 rms=0.59
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	48.4	170	Pg	10:28:12.31	0.99
			Sg	28:17.64	-0.43
KECS	54.0	74	Pg	10:28:12.62	0.31
			Sg	28:18.26	-1.57
PENC	72.5	211	Sg	10:28:25.54	-0.16
LANS	92.3	345	Sg	10:28:31.65	-0.35
ABAH	108.0	93	Pg	10:28:22.11	0.15
			Sg	28:36.57	-0.43
BUD	111.7	211	Sg	10:28:37.28	-0.89
NIE	125.2	18	Pg	10:28:25.40	0.36
			Sg	28:42.54	0.06
JAVC	166.0	290	Sn	10:28:51.53	-0.51

Hypocenter Parameters

Földrengés paraméterek

587.

2023-05-23 time: 11:15:48.54 UTC ML= 1.6
 lat: 45.812N lon: 17.225E h= 0.0 km
 erh= 8.3km erz= 8.3km
 nr= 10 gap=187 rms=0.81
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	74.4	66	Pg	11:16:03.22	1.39
			Sg	16:12.49	0.30
PKSV	80.2	84	Pg	11:16:02.98	0.12
			Sg	16:12.77	-1.26
PKSM	118.3	68	Pg	11:16:09.63	-0.04
			Sg	16:24.43	-1.72
MORH	118.7	68	Pg	11:16:10.01	0.28
			Sg	16:25.18	-1.08
CRES	137.5	271	Pn	11:16:12.97	0.26
			Sn	16:30.89	-0.68

588.

2023-05-23 time: 16:15:29.00 UTC ML= 4.1
 lat: 46.115N lon: 21.556E h= 8.1 km
 erh= 1.9km erz= 2.3km
 nr= 31 gap= 83 rms=0.63
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	49.4	212	PgU	16:15:38.29	0.35
			Sg	15:45.26	0.34
BZS	55.6	175	PgU	16:15:39.18	0.15
			Sg	15:46.14	-0.71
SURR	59.6	132	Pg	16:15:40.09	0.34
BANR	87.7	202	Pg	16:15:44.12	-0.61
			Sg	15:56.85	-0.15
DRGR	116.4	50	Pn	16:15:49.95	0.44
			Sn	16:04.64	-0.87
LTVH	143.6	11	Pn	16:15:53.45	0.54
			Sn	16:11.44	-0.12
PKSN	156.1	304	Pn	16:15:54.48	0.02
PKS6	162.5	289	Pn	16:15:55.00	-0.26
DJES	181.3	155	Pn	16:15:58.35	0.74
			Sn	16:19.47	-0.46
PKB3	185.2	281	Pn	16:15:57.46	-0.64
			Sn	16:22.33	1.54
PKS2	185.3	283	Pn	16:15:57.77	-0.33
			Sn	16:22.50	1.70
PKS7	210.8	299	Pn	16:16:01.11	-0.18
			Sn	16:30.53	4.06*
PKB5	223.5	284	Pn	16:16:02.19	-0.68
			Sn	16:33.19	3.90*
PKB1	225.0	289	Pn	16:16:06.43	3.37
PSZ	237.0	328	PnU	16:16:04.33	-0.22
BUD	246.0	308	Pn	16:16:04.30	-1.38
PENC	254.3	317	Pn	16:16:06.41	-0.30
KECS	275.5	343	Sn	16:16:38.33	-2.49
PKSG	280.4	300	Pn	16:16:09.34	-0.63
CSKK	287.5	299	Pn	16:16:09.70	-1.16
TIH	294.4	287	Pn	16:16:11.39	-0.32
PKST	297.9	295	Pn	16:16:11.87	-0.28
SRO	310.7	307	ePn	16:16:14.60	0.85*
			eSn	16:46.30	-2.35*
KOLS	318.0	10	Pn	16:16:15.11	0.46*
MPLH	329.1	291	Pn	16:16:15.76	-0.28*
MLR	348.2	101	Pn	16:16:20.05	1.63*
EGYH	353.6	294	Pn	16:16:20.28	1.18*
STHS	367.9	356	Pn	16:16:21.68	0.81*
LANS	372.2	335	Pn	16:16:22.02	0.61*
			Pn	16:16:20.73	-0.94*
BLY	374.3	246	Sn	17:17.92	15.16*
			Pn	16:16:26.07	1.15*
KWP	400.4	12	Pn	16:16:26.07	1.15*
VRI	401.7	94	Pn	16:16:26.52	1.43*

ZST	409.4	304	ePn	16:16:25.90	-0.15*
			eSn	17:06.60	-3.94*
MODS	409.9	308	Pn	16:16:25.53	-0.58*
SMOL	410.5	311	ePn	16:16:25.80	-0.39*
			eSn	17:07.20	-3.59*
SOP	418.8	295	Pn	16:16:26.78	-0.45*
RONA	437.7	294	Pn	16:16:29.44	-0.14*
			Sn	17:11.54	-5.30*
WINA	471.4	298	Pn	16:16:33.77	-0.01*
			Sn	17:19.40	-4.91*
OJC	474.8	344	Pn	16:16:34.96	0.76*
CONA	477.5	295	Pn	16:16:34.34	-0.21*
			Sn	17:19.29	-6.38*
ARSA	478.5	285	Pn	16:16:34.15	-0.51*
BOJS	494.7	262	iPn	16:16:35.86	-0.82*
PERS	498.8	277	iPn	16:16:36.17	-1.03*
SOKA	505.6	277	Pn	16:16:37.16	-0.88*
			Sn	17:27.36	-4.53*
MORC	505.6	324	Pn	16:16:37.86	-0.19*
KRUC	508.0	310	Pn	16:16:37.40	-0.94*
VRAC	514.5	314	Pn	16:16:38.75	-0.41*
OBKA	541.5	275	Pn	16:16:43.37	0.85*
			Sn	17:36.23	-3.64*
ABNA	542.6	302	Pn	16:16:42.02	-0.64*
			Sn	17:35.86	-4.25*
MOA	587.2	289	Pn	16:16:47.88	-0.34*
			Sn	17:48.40	-1.61*
SKDS	589.4	264	iPn	16:16:49.32	0.83*
MYKA	611.6	275	Pn	16:16:53.30	2.03*
			Sn	17:53.50	-1.93*
BIOA	628.2	286	Pn	16:16:53.69	0.36*
			Sn	17:55.00	-4.11*
KBA	638.3	280	Pn	16:16:53.88	-0.71*
			Sn	17:58.80	-2.54*
LESA	693.6	282	Pn	16:17:01.87	0.38*
			Sn	18:09.84	-3.80*
WTTA	769.5	280	Pn	16:17:11.68	0.73*
WATA	774.9	280	Pn	16:17:12.33	0.71*
SQTA	801.3	279	Pn	16:17:15.36	0.44*
MOTA	810.6	280	Pn	16:17:16.12	0.05*
FETA	836.2	277	Pn	16:17:19.29	0.03*
RETA	838.0	280	Pn	16:17:19.49	0.00*
DAVA	902.4	278	Pn	16:17:26.59	-0.93*

589.

2023-05-23 time: 16:29:01.83 UTC ML= 1.6
 lat: 46.105N lon: 21.587E h= 12.8 km
 erh= 6.9km erz= 5.1km
 nr= 7 gap=231 rms=0.67
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	54.4	178	PgU	16:29:11.92	0.12
			Sg	29:18.26	-1.32
SURR	57.1	133	Pg	16:29:13.01	0.73
			Sg	29:19.51	-0.92
DRGR	115.2	49	Pn	16:29:21.78	0.19
			Sn	29:36.33	-0.67
GZR	121.8	131	Sn	16:29:39.10	0.64

590.

2023-05-23 time: 17:52:21.56 UTC ML= 1.2
 lat: 46.064N lon: 21.628E h= 13.9 km
 erh= 6.2km erz= 6.7km
 nr= 5 gap=225 rms=0.51
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	49.8	181	PgU	17:52:30.88	0.09
			Sg	52:37.77	-0.21
SURR	51.7	132	Pg	17:52:31.76	0.64

Földrengés paraméterek

Hypocenter Parameters

Sg 52:38.08 -0.49
DRGR 116.0 46 Sn 17:52:55.77 -0.90

591.

2023-05-23 time: 20:25:48.66 UTC ML= 2.2
lat: 46.061N lon: 21.597E h= 13.7 km
erh= 4.7km erz= 5.8km
nr= 16 gap= 66 rms=0.78
Locality: Romania
Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	46.4	219	Pg	20:25:57.15			-0.15
			Sg	26:03.57			-0.47
BZS	49.4	178	Pg	20:25:57.79			-0.02
			Sg	26:04.61			-0.35
SURR	53.3	130	Pg	20:25:58.95			0.47
			Sg	26:05.76			-0.38
BANR	83.6	205	Pg	20:26:04.35			0.57
			Sg	26:16.01			0.44
DEV	103.1	101	Pn	20:26:06.27			-0.53
DRGR	118.0	47	Pn	20:26:08.73			0.07
			Sn	26:21.80			-2.46
LTVH	149.0	9	Pn	20:26:12.34			-0.18
CJR	170.1	65	Pn	20:26:16.74			1.58
			Sn	26:38.06			2.23
PKS2	189.9	285	Pn	20:26:16.79			-0.83
MORH	228.8	274	Pn	20:26:28.22			5.74*
PKSM	229.0	274	Pn	20:26:28.31			5.81*
PSZ	243.7	328	Pn	20:26:23.31			-1.03

592.

2023-05-23 time: 20:30:49.51 UTC ML= 2.3
lat: 46.082N lon: 21.574E h= 14.1 km
erh= 2.8km erz= 2.5km
nr= 17 gap=127 rms=0.74
Locality: Romania
Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	47.2	216	Pg	20:30:58.25			-0.06
			Sg	31:05.13			-0.05
BZS	51.9	176	Pg	20:30:59.19			0.08
			Sg	31:05.84			-0.76
SURR	56.2	131	Pg	20:31:00.20			0.35
			Sg	31:07.33			-0.59
BANR	85.0	204	S*	20:31:17.11			0.28
DEV	105.3	102	Pn	20:31:07.80			-0.07
DRGR	117.7	48	Pn	20:31:09.67			0.25
			Sn	31:23.21			-1.73
GZR	120.9	129	Sn	20:31:25.89			0.24
LTVH	146.9	10	Pn	20:31:12.98			-0.08
			Sn	31:30.43			-1.00
CJR	170.7	66	Pn	20:31:18.79			2.76
			Sn	31:39.39			2.68
KECS	279.3	343	ePn	20:31:29.50			-0.07
			eSn	31:58.40			-2.42*

593.

2023-05-23 time: 20:32:31.50 UTC ML= 2.5
lat: 46.077N lon: 21.573E h= 13.5 km
erh= 2.1km erz= 2.3km
nr= 31 gap= 58 rms=0.69
Locality: Romania
Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	46.7	216	Pg	20:32:40.27			0.10
			Sg	32:46.98			0.04
BZS	51.3	176	PgU	20:32:41.08			0.11
			Sg	32:47.84			-0.52
SURR	55.9	130	Pg	20:32:42.06			0.30

			Sg	32:49.60			-0.17
BANR	84.4	204	Pg	20:32:46.77			0.01
			Sg	32:58.72			0.06
DEV	105.3	102	Pn	20:32:49.72			-0.22
DRGR	118.2	48	Pn	20:32:51.75			0.21
			Sn	33:05.29			-1.88
GZR	120.7	129	Pn	20:32:51.99			0.14
			Sn	33:07.53			-0.20
LTVH	147.5	10	Pn	20:32:55.47			0.27
			Sn	33:12.96			-0.73
PKSN	159.5	305	Sn	20:33:17.81			1.45
PKS6	165.2	291	Pn	20:32:57.01			-0.39
			Sn	33:19.81			2.20
CJR	171.1	66	Pn	20:33:00.93			2.79
			Sn	33:21.09			2.17
PKB3	187.4	282	Pn	20:32:59.61			-0.56
			Sn	33:23.24			0.70
PKS2	187.6	284	Pn	20:33:00.07			-0.13
PKS7	214.1	300	Pn	20:33:05.07			1.57
PKB5	225.9	285	Pn	20:33:04.76			-0.21
MORH	226.8	274	Pn	20:33:04.18			-0.90
PKSM	227.0	274	Pn	20:33:04.51			-0.60
SF5A	232.2	314	Pn	20:33:04.99			-0.76
TRPA	239.8	18	Pn	20:33:06.62			-0.08
PSZ	241.2	328	Pn	20:33:06.00			-0.88
ABAH	248.0	354	Pn	20:33:06.62			-1.10

594.

2023-05-23 time: 21:42:04.14 UTC ML= 3.0
lat: 46.088N lon: 21.580E h= 11.7 km
erh= 2.9km erz= 3.3km
nr= 47 gap= 50 rms=1.28
Locality: Romania
Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	48.0	216	PgU	21:42:12.78			-0.18
			Sg	42:19.58			-0.25
BZS	52.4	177	PgU	21:42:13.72			-0.02
			Sg	42:21.68			0.46
SURR	56.2	131	Pg	21:42:14.49			0.09
			Sg	42:22.39			-0.01
BANR	85.7	204	Pg	21:42:19.26			-0.32
			Sg	42:31.18			-0.45
DEV	105.0	103	P*	21:42:22.07			-0.70
			S*	42:36.69			-0.60
DRGR	116.9	48	Pn	21:42:24.44			0.18
			Sn	42:39.05			-0.90
GZR	121.0	130	Pn	21:42:24.99			0.23
			Sn	42:40.19			-0.65
LTVH	146.2	10	PnD	21:42:28.22			0.31
			Sn	42:45.70			-0.75
PKSN	159.3	304	PnU	21:42:28.96			-0.58
			Sn	42:50.19			0.84
PKS6	165.3	290	Pn	21:42:29.16			-1.12
			Sn	42:51.95			1.28
BSZH	168.0	323	Pn	21:42:29.95			-0.68
CJR	170.1	66	Pn	21:42:33.40			2.52
DJES	177.8	155	Sn	21:42:53.75			0.29
PKB3	187.7	281	Pn	21:42:31.97			-1.11
PKS2	187.8	284	Pn	21:42:31.94			-1.16
PKS7	214.0	300	Pn	21:42:35.13			-1.22
			Sn	43:05.63			4.15
PKB5	226.1	284	Pn	21:42:41.70			3.83
			Sn	43:09.10			4.92
MORH	227.3	274	Pn	21:42:41.87			3.86
PKSM	227.5	273	Pn	21:42:41.87			3.83
PKB1	227.8	290	Pn	21:42:37.06			-1.02
			Sn	43:09.67			5.11
BMR	228.9	40	Pn	21:42:42.89			4.67
SF5A	231.7	314	Pn	21:42:37.88			-0.69
TRPA	238.5	18	Pn	21:42:39.02			-0.39
PSZ	240.5	328	Pn	21:42:38.71			-0.95
ABAH	246.8	354	Pn	21:42:40.13			-0.32

Hypocenter Parameters

		Sn	43:16.55	7.77*	
PENC	257.8	317	Pn	21:42:40.95	-0.87
PKSV	258.8	265	Pn	21:42:40.84	-1.10
PKS9	260.2	282	Pn	21:42:41.18	-0.93
KOVH	269.2	270	Pn	21:42:41.81	-1.43
		Sn	43:22.18	8.45*	
KECS	278.9	343	Pn	21:42:44.36	-0.09
		Sn	43:12.84	-3.05	
PKSG	283.6	301	Pn	21:42:44.02	-1.02
		Sn	43:25.40	8.46*	
CSKK	290.7	299	Pn	21:42:44.88	-1.04
TIH	297.1	288	Pn	21:42:46.01	-0.71
PKST	300.9	296	Pn	21:42:46.18	-1.02*
SRO	314.1	308	Pn	21:42:48.34	-0.50*
		Sn	43:20.42	-3.28*	
KOLS	320.6	9	Pn	21:42:50.33	0.68*
MPLH	332.0	291	Pn	21:42:50.28	-0.79*
MLR	345.8	101	Pn	21:42:55.00	2.20*
EGYH	356.7	294	Pn	21:42:54.83	0.68*
STHS	371.0	356	ePn	21:43:00.50	4.57*
		eSn	43:40.40	4.07*	
STHS	371.0	356	ePn	21:42:57.50	1.57*
BLY	374.9	247	Pn	21:42:55.39	-1.03*
		Sn	43:35.71	-1.49*	
LANS	375.7	335	Sn	21:43:35.82	-1.56*
NIE	382.4	346	Sn	21:43:37.98	-0.87*
ZST	412.7	305	ePn	21:43:03.60	2.47*
MODS	413.2	308	Pn	21:43:00.23	-0.97*
		Sn	43:43.89	-1.82*	
JAVC	426.4	316	Sn	21:43:47.08	-1.54*
RONA	440.7	294	Pn	21:43:03.98	-0.65*
		Sn	43:47.17	-4.64*	
WINA	474.6	298	Pn	21:43:08.03	-0.82*
		Sn	43:55.88	-3.44*	
CONA	480.6	295	Pn	21:43:09.40	-0.20*
		Sn	43:59.17	-1.49*	
ARSA	481.2	286	Pn	21:43:09.02	-0.66*
		Sn	43:57.18	-3.61*	
SOKA	508.0	277	Pn	21:43:12.19	-0.82*
		Sn	44:02.08	-4.65*	
MORC	509.2	324	Pn	21:43:12.81	-0.35*
ABNA	545.8	302	Pn	21:43:16.26	-1.47*
		Sn	44:11.12	-4.02*	
MOA	590.1	289	Pn	21:43:23.98	0.73*

595.

2023-05-23 time: 22:34:31.72 UTC ML= 1.1
 lat: 46.063N lon: 21.620E h= 13.7 km
 erh= 2.1km erz= 2.5km
 nr= 6 gap=226 rms=0.31
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	49.6	180	Pg	22:34:40.93		0.02	
			Sg	34:47.66		-0.43	
SURR	52.1	131	Pg	22:34:41.63		0.29	
			Sg	34:48.67		-0.18	
DRGR	116.6	46	Pn	22:34:51.80		0.26	
			Sn	35:06.32		-0.68	

596.

2023-05-23 time: 22:54:57.14 UTC ML= 1.8
 lat: 46.091N lon: 21.587E h= 13.6 km
 erh= 3.7km erz= 3.5km
 nr= 9 gap=154 rms=0.53
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	48.5	216	Pg	22:55:06.05		-0.09	
BZS	52.8	177	Pg	22:55:07.15		0.28	
			Sg	55:13.74		-0.72	

Földrengés paraméterek

SURR	56.1	132	Pg	22:55:07.95		0.51	
			Sg	55:14.89		-0.59	
DRGR	116.3	48	Pn	22:55:17.42		0.49	
			Sn	55:31.12		-1.26	
GZR	120.8	130	Sn	22:55:33.70		0.34	
LTVH	145.8	9	Sn	22:55:38.22		-0.70	
KOLS	320.2	9	ePn	22:55:47.40		5.05*	
			eSn	56:16.60		-1.02*	

597.

2023-05-24 time: 7:39:26.26 UTC ML= 1.5
 lat: 48.814N lon: 19.461E h= 0.0 km
 erh= 4.7km erz= 7.2km
 nr= 10 gap=174 rms=0.93
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	37.4	1	Pg	7:39:33.69		0.76	
			Sg	39:37.23		-0.91	
KECS	84.0	116	Pg	7:39:42.30		1.03	
			Sg	39:53.16		0.19	
NIE	91.6	43	Pg	7:39:42.20		-0.42	
			Sg	39:54.06		-1.32	
PSZ	104.7	162	Pg	7:39:45.88		0.93	
			Sg	39:58.85		-0.69	
PENC	114.6	187	Sg	7:40:00.53		-2.16	
ABAH	143.4	114	Sn	7:40:10.04		-0.57	

598.

2023-05-24 time: 8:04:51.27 UTC ML= 2.0
 lat: 47.883N lon: 20.140E h= 0.0 km
 erh= 3.7km erz= 2.5km
 nr= 14 gap=181 rms=0.80
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	18.8	282	Pg	8:04:55.24		0.62	
			Sg	04:57.04		-0.20	
PENC	65.1	261	Pg	8:05:03.49		0.60	
			Sg	05:11.83		-0.13	
KECS	71.5	21	Pg	8:05:04.58		0.54	
			Sg	05:13.66		-0.33	
ABAH	93.9	61	Sg	8:05:19.53		-1.58	
BUD	94.9	242	Sg	8:05:21.26		-0.16	
PKSG	142.4	247	Pn	8:05:16.09		0.04	
			Sn	05:34.24		-1.15	
LANS	149.4	341	Sn	8:05:36.29		-0.66	
CSKK	152.7	248	Sn	8:05:36.29		-1.38	
NIE	171.2	4	Sn	8:05:42.71		0.91	
KOLS	196.4	54	Sn	8:05:50.36		2.98	

599.

2023-05-24 time: 9:13:02.16 UTC ML= 1.5
 lat: 48.591N lon: 20.801E h= 0.0 km
 erh= 7.8km erz= 8.7km
 nr= 7 gap=229 rms=0.99
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.2	243	Pg	9:13:06.45		-0.39	
			Sg	13:10.34		-0.15	
ABAH	46.1	135	Pg	9:13:11.10		0.70	
			Sg	13:16.62		-0.21	
PSZ	100.7	222	Pg	9:13:21.28		1.15	
			Sg	13:32.82		-1.33	
TRPA	138.6	112	Sn	9:13:42.47		-2.97	

Földrengés paraméterek

Hypocenter Parameters

600.

2023-05-24 time: 9:28:33.49 UTC ML= 1.4
 lat: 46.844N lon: 17.334E h= 0.0 km
 erh= 7.6km erz=12.6km
 nr= 7 gap=130 rms=1.33
 Locality: Lesencefalu
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	39.5	23	Sg	9:28:46.06	0.02
PKST	70.4	49	Pg	9:28:47.31	1.25
			Sg	28:54.98	-0.89
PKSG	100.7	53	Sg	9:29:04.21	-1.28
KOVH	102.5	145	Pg	9:28:53.33	1.52
			Sg	29:04.37	-1.72
GROS	146.6	253	Sn	9:29:16.81	-1.75

601.

2023-05-24 time: 9:38:01.99 UTC ML= 1.7
 lat: 46.831N lon: 17.326E h= 0.0 km
 erh= 3.4km erz= 7.3km
 nr= 11 gap=130 rms=0.89
 Locality: Lesencefalu
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.0	23	Pg	9:38:09.37	0.06
			Sg	38:14.67	-0.36
TIH	43.9	80	Sg	9:38:15.14	-0.80
PKST	71.8	49	Pg	9:38:15.92	1.11
			Sg	38:23.43	-1.38
CSKK	92.3	50	Sg	9:38:31.73	0.39
KOVH	101.8	144	Pg	9:38:21.40	1.24
			Sg	38:33.76	-0.58
MORH	122.1	124	Sg	9:38:40.34	-0.46
PKSM	122.2	124	Sg	9:38:40.34	-0.49
GROS	145.6	254	Sn	9:38:45.19	-1.64

602.

2023-05-24 time: 21:38:07.07 UTC ML= 2.0
 lat: 46.069N lon: 21.592E h= 13.3 km
 erh= 3.4km erz= 3.4km
 nr= 17 gap= 87 rms=0.85
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	46.8	218	Pg	21:38:15.59	-0.16
			Sg	38:22.41	-0.12
BZS	50.3	178	PgU	21:38:16.48	0.13
			Sg	38:22.98	-0.61
SURR	54.1	130	Pg	21:38:17.15	0.13
			Sg	38:23.92	-0.86
BANR	84.1	205	Sg	21:38:34.10	-0.04
DEV	103.7	101	Pn	21:38:26.06	0.72
			Sn	38:38.77	-0.81
DRGR	117.7	47	Pn	21:38:26.86	-0.22
			Sn	38:40.48	-2.22
GZR	118.9	129	Sn	21:38:42.78	-0.18
LTVH	148.2	9	Pn	21:38:30.70	-0.18
			Sn	38:48.45	-1.01
CJR	170.1	65	Pn	21:38:35.64	2.02
			Sn	38:56.63	2.30
PKB3	189.0	282	Sn	21:39:00.73	2.20

603.

2023-05-25 time: 7:13:22.84 UTC ML= 1.6
 lat: 48.526N lon: 17.486E h= 0.0 km
 erh= 3.0km erz= 592km
 nr= 10 gap=198 rms=0.46
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.4	252	PgU	7:13:23.26	-0.37
			Sg	13:24.01	-0.23
MODS	22.9	222	Pg	7:13:27.43	0.50
			Sg	13:29.92	-0.20
JAVC	39.5	20	Pg	7:13:29.72	-0.17
			Sg	13:35.00	-0.38
ZST	46.4	218	Sg	7:13:37.08	-0.50
KRUC	99.9	307	Pg	7:13:41.34	0.67
			Sg	13:52.38	-2.20
VRAC	108.8	323	Pg	7:13:42.48	0.21

604.

2023-05-25 time: 7:57:14.75 UTC ML= 1.5
 lat: 47.090N lon: 18.038E h= 0.0 km
 erh= 2.2km erz= 975km
 nr= 16 gap= 97 rms=0.85
 Locality: Királyszentistván
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.8	359	Pg	7:57:17.55	-0.55
			Sg	57:20.92	0.20
TIH	23.9	208	Pg	7:57:19.20	0.19
			Sg	57:23.58	1.24
CSKK	34.7	29	Sg	7:57:25.53	-0.25
MPLH	38.9	283	Pg	7:57:21.99	0.29
			Sg	57:26.63	-0.48
PKSG	42.8	39	Pg	7:57:23.01	0.61
			Sg	57:27.88	-0.49
PKB5	76.6	136	Pg	7:57:29.78	1.36
			Sg	57:40.19	1.10
MORH	107.7	154	Pg	7:57:33.50	-0.48
			Sg	57:46.80	-2.19
PKSM	108.0	155	Pg	7:57:33.97	-0.07
			Sg	57:46.88	-2.20
KOVH	111.5	178	Sg	7:57:49.07	-1.12

605.

2023-05-25 time: 8:46:39.63 UTC ML= 1.9
 lat: 47.900N lon: 19.338E h= 0.0 km
 erh= 6.4km erz= 8.2km
 nr= 14 gap=112 rms=1.18
 Locality: Szécsénke
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	12.9	199	Pg	8:46:43.06	1.12
			Sg	46:44.56	0.82
PSZ	41.6	87	Pg	8:46:46.71	-0.36
			Sg	46:51.09	-1.78
BUD	52.0	207	Sg	8:46:56.10	-0.06
PKSG	90.9	232	Sg	8:47:06.82	-1.71
KECS	107.1	53	Pg	8:46:59.80	1.04
PKST	121.3	234	Pg	8:47:01.42	0.13
			Sg	47:15.12	-3.06
LANS	139.4	4	Pn	8:47:04.63	0.59
			Sn	47:20.38	-2.70
MODS	162.2	289	Sn	8:47:28.66	0.52
JAVC	163.2	311	Sn	8:47:28.66	0.29
NIE	183.5	23	Sn	8:47:34.21	1.33

Hypocenter Parameters

Földrengés paraméterek

606.

2023-05-25 time: 8:59:54.66 UTC ML= 1.9
 lat: 48.506N lon: 21.539E h= 0.0 km
 erh= 8.2km erz= ***km
 nr= 6 gap=141 rms=1.25
 Locality: Vilyvitány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	32.2	224	Pg	9:00:01.50	1.09
			Sg	00:04.94	0.05
KOLS	71.9	49	Pg	9:00:08.54	1.04
			Sg	00:16.49	-1.03
KECS	77.9	268	Sg	9:00:18.25	-1.17
LTVH	127.5	168	Sg	9:00:32.65	-2.55

607.

2023-05-25 time: 9:38:37.58 UTC ML= 0.9
 lat: 47.198N lon: 18.321E h= 0.0 km
 erh= 2.7km erz= 788km
 nr= 8 gap=154 rms=0.56
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.9	346	Pg	9:38:40.68	-0.28
			Sg	38:42.83	-0.77
PKSG	22.2	14	Sg	9:38:45.08	0.45
PKST	22.8	287	Pg	9:38:42.17	0.52
			Sg	38:44.79	-0.03
MORH	112.0	167	Sg	9:39:13.59	0.42
PKSM	112.3	167	Sg	9:39:13.59	0.30
KOVH	124.5	188	Sg	9:39:15.68	-1.49

608.

2023-05-25 time: 10:12:29.25 UTC ML= 1.5
 lat: 45.566N lon: 17.647E h= 0.0 km
 erh= 6.2km erz= 7.8km
 nr= 10 gap=233 rms=0.80
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	59.2	53	Pg	10:12:40.80	0.98
			Sg	12:47.83	-0.24
KOVH	67.9	31	Pg	10:12:42.26	0.88
			Sg	12:51.83	0.99
PKSM	105.4	47	Pg	10:12:47.88	-0.20
			Sg	13:01.41	-1.35
MORH	105.9	47	Pg	10:12:47.50	-0.66
			Sg	13:01.96	-0.95
BEHE	121.1	326	Sg	10:13:07.95	0.21
PTJ	136.6	286	Sn	10:13:11.08	-1.02

609.

2023-05-25 time: 10:55:40.48 UTC ML= 1.9
 lat: 48.675N lon: 19.159E h= 0.0 km
 erh= 2.7km erz= 4.3km
 nr= 17 gap= 59 rms=1.20
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	57.6	23	Pg	10:55:51.33	0.57
			Sg	55:59.00	0.23
PENC	98.7	175	Sg	10:56:11.84	-0.02
KECS	100.2	102	Pg	10:55:58.85	0.48
			Sg	56:10.43	-1.89
PSZ	100.3	147	Pg	10:55:59.79	1.41
			Sg	56:12.00	-0.34

JAVC	111.3	281	Pg	10:56:01.66	1.30
			Sg	56:14.81	-1.05
SRO	114.5	213	Sg	10:56:16.69	-0.19
NIE	118.2	46	Pg	10:56:02.13	0.55
			Sg	56:16.06	-1.99
SMOL	128.9	262	Sg	10:56:18.88	-2.57
PKSG	153.7	202	Sn	10:56:25.93	-1.18
MORC	170.0	316	Sn	10:56:28.12	-2.60
STHS	173.3	62	Sn	10:56:30.31	-1.15
OJC	178.0	15	Sn	10:56:34.38	1.88

610.

2023-05-25 time: 11:27:03.98 UTC ML= 1.2
 lat: 47.873N lon: 16.055E h= 0.0 km
 erh= 2.1km erz= 3.6km
 nr= 7 gap=126 rms=0.80
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.7	293	Pg	11:27:07.35	0.56
			Sg	27:09.31	0.33
RONA	26.4	137	Pg	11:27:09.31	0.61
			Sg	27:12.48	0.10
ARSA	80.0	210	Sg	11:27:28.17	-1.24
KRUC	134.5	11	Pn	11:27:27.62	-0.17
			Sn	27:43.90	-2.46

611.

2023-05-26 time: 1:09:11.97 UTC ML= 0.1
 lat: 47.304N lon: 18.319E h= 0.3 km
 erh= 1.4km erz=40.7km
 nr= 6 gap=228 rms=0.06
 Locality: Magyaralmás
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.0	326	Pg	1:09:13.44	0.05
			Sg	09:14.50	0.00
PKSG	11.2	29	Pg	1:09:14.03	0.06
			Sg	09:15.40	-0.13
PKST	22.1	257	Pg	1:09:15.91	0.00
			Sg	09:18.92	-0.07

612.

2023-05-26 time: 2:39:46.86 UTC ML= 1.8
 lat: 46.063N lon: 21.606E h= 14.1 km
 erh= 3.4km erz= 2.4km
 nr= 10 gap=187 rms=0.57
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	47.0	219	Sg	2:40:02.53	0.07
BZS	49.6	179	PgD	2:39:55.91	-0.16
			Sg	40:02.93	-0.33
SURR	52.9	130	Pg	2:39:56.69	0.05
			Sg	40:03.89	-0.38
BANR	84.0	206	S*	2:40:13.36	-0.57
DRGR	117.4	46	Pn	2:40:06.74	0.01
			Sn	40:20.39	-1.84
GZR	117.7	129	Pn	2:40:07.92	1.16
			Sn	40:22.67	0.39

Földrengés paraméterek

Hypocenter Parameters

613.

2023-05-26 time: 6:21:46.98 UTC ML= 1.9
 lat: 46.888N lon: 22.881E h= 0.0 km
 erh= 4.0km erz= 2.3km
 nr= 8 gap=309 rms=0.74
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	16.8	230	Pg	6:21:50.60	0.62
			Sg	21:53.11	0.79
DEV	111.7	179	Sg	6:22:22.63	0.16
SURR	138.8	205	Sn	6:22:28.73	-1.58
GZR	166.3	183	Pn	6:22:15.03	0.28
			Sn	22:36.17	-0.24
BZS	171.7	215	Pn	6:22:14.96	-0.46
			Sn	22:36.09	-1.51

614.

2023-05-26 time: 7:44:54.21 UTC ML= 1.3
 lat: 45.873N lon: 18.396E h= 0.0 km
 erh= 1.2km erz= 189km
 nr= 8 gap=252 rms=0.13
 Locality: Kisharsány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	11.3	279	Pg	7:44:56.15	-0.08
			Sg	44:57.63	-0.17
KOVH	33.2	316	Pg	7:45:00.43	0.29
			Sg	45:04.83	0.07
PKSM	42.2	27	Pg	7:45:01.78	0.03
			Sg	45:07.53	-0.10
MORH	42.7	27	Pg	7:45:01.82	-0.02
			Sg	45:07.65	-0.14

615.

2023-05-26 time: 8:30:23.52 UTC ML= 1.7
 lat: 48.600N lon: 20.775E h= 0.0 km
 erh= 2.6km erz= 5.5km
 nr= 12 gap= 86 rms=0.82
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.0	239	Pg	8:30:28.74	0.75
			Sg	30:31.09	-0.39
ABAH	48.2	135	Pg	8:30:32.30	0.17
			Sg	30:38.76	-0.08
STHS	97.1	21	Sg	8:30:53.98	-0.40
PSZ	100.1	221	Pg	8:30:41.85	0.45
			Sg	30:53.43	-1.92
LANS	113.8	303	Pg	8:30:44.51	0.67
			Sg	30:58.28	-1.42
KOLS	116.2	71	Sg	8:30:59.89	-0.56
TRPA	140.7	112	Pn	8:30:48.85	0.75
			Sn	31:05.36	-1.92

616.

2023-05-26 time: 8:37:22.94 UTC ML= 1.7
 lat: 48.524N lon: 17.489E h= 0.0 km
 erh= 3.3km erz= 3.2km
 nr= 14 gap=198 rms=0.94
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.6	256	Pg	8:37:23.94	0.18
			Sg	37:24.80	0.40
MODS	22.9	223	Pg	8:37:27.84	0.81

			Sg	37:30.60	0.38
JAVC	39.6	20	Pg	8:37:30.69	0.68
			Sg	37:35.51	-0.02
ZST	46.3	218	Sg	8:37:37.44	-0.23
KRUC	100.2	307	Pg	8:37:41.49	0.66
			Sg	37:53.37	-1.41
RONA	127.6	224	Pg	8:37:46.21	0.48
			Sg	38:01.00	-2.50
CONA	137.8	241	Pn	8:37:47.23	0.07
			Sn	38:03.82	-2.24
MORC	139.4	2	Sn	8:38:04.29	-2.11

617.

2023-05-26 time: 9:08:51.90 UTC ML= 1.5
 lat: 48.383N lon: 17.395E h= 0.0 km
 erh= 4.0km erz= 562km
 nr= 7 gap=206 rms=0.37
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	8.8	263	PgU	9:08:53.51	0.04
			Sg	08:54.24	-0.45
SMOL	14.8	10	Pg	9:08:54.96	0.42
			Sg	08:56.92	0.32
JAVC	56.7	21	Pg	9:09:01.38	-0.65
			Sg	09:09.97	0.04
RONA	111.7	227	Pg	9:09:12.02	0.17

618.

2023-05-26 time: 9:51:18.46 UTC ML= 1.3
 lat: 47.532N lon: 18.486E h= 0.0 km
 erh= 5.5km erz= 3.7km
 nr= 8 gap=307 rms=0.78
 Locality: Szárliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	17.1	205	Pg	9:51:22.09	0.58
			Sg	51:24.83	0.94
CSKK	25.3	222	Pg	9:51:23.38	0.41
			Sg	51:26.59	0.10
PKST	45.6	228	Sg	9:51:31.44	-1.51
MORH	146.8	175	Pn	9:51:43.81	0.02
			Sn	52:02.51	-1.04
PKSM	147.2	175	Sn	9:52:02.20	-1.45

619.

2023-05-26 time: 10:22:31.85 UTC ML= 1.6
 lat: 48.388N lon: 19.870E h= 0.0 km
 erh= 5.2km erz= ***km
 nr= 8 gap=162 rms=1.03
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.8	77	Pg	10:22:40.77	0.56
			Sg	22:47.34	0.62
PSZ	52.3	178	Pg	10:22:41.55	0.36
			Sg	22:48.28	-0.19
PENC	79.6	213	Sg	10:22:56.42	-0.74
ABAH	102.1	96	Sg	10:23:02.37	-1.92
NIE	119.1	16	Pg	10:22:54.07	0.94
			Sg	23:07.22	-2.50

Hypocenter Parameters

Földregés paraméterek

620.

 2023-05-26 time: 23:23:29.98 UTC ML= 0.8
 lat: 45.709N lon: 18.244E h= 13.5 km
 erh= 2.0km erz= 3.0km
 nr= 7 gap=316 rms=0.17
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	20.0	2	Pg	23:23:34.21			-0.08
			Sg	23:38.32			0.67
KOVH	43.6	345	Sg	23:23:44.32			-0.18
PKSM	63.8	29	Pg	23:23:41.68			0.05
			Sg	23:50.60			-0.12
MORH	64.3	29	Pg	23:23:41.68			-0.04
			Sg	23:51.07			0.20

621.

 2023-05-27 time: 2:14:08.38 UTC ML= 0.9
 lat: 45.688N lon: 18.151E h= 14.7 km
 erh= 2.9km erz= 1.5km
 nr= 11 gap=171 rms=0.36
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	23.6	19	Pg	2:14:13.80			0.45
			Sg	14:17.54			0.31
KOVH	44.7	355	Pg	2:14:16.50			-0.28
			Sg	14:23.27			-0.06
PKSM	69.5	33	Pg	2:14:21.10			0.03
			Sg	14:30.66			-0.31
MORH	70.0	33	Pg	2:14:21.23			0.07
			Sg	14:30.73			-0.39
PKB5	110.5	24	Sn	2:14:42.76			0.70
PKB3	114.9	45	Sn	2:14:42.09			-0.97
BLY	129.1	216	Sn	2:14:46.08			-0.12

622.

 2023-05-27 time: 16:57:05.62 UTC ML= 1.1
 lat: 45.670N lon: 18.013E h= 0.4 km
 erh= 1.4km erz=64.2km
 nr= 8 gap=329 rms=0.16
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	30.6	38	Pg	16:57:10.93			-0.16
			Sg	57:15.08			-0.27
KOVH	47.0	8	Pg	16:57:13.95			-0.06
			Sg	57:20.62			0.06
PKSM	77.5	39	Pg	16:57:19.75			0.29
			Sg	57:30.33			0.08
MORH	78.0	39	Pg	16:57:19.50			-0.05
			Sg	57:30.52			0.11

623.

 2023-05-28 time: 19:50:40.21 UTC ML= 1.9
 lat: 45.574N lon: 16.069E h= 10.2 km
 erh= 1.9km erz= 1.2km
 nr= 23 gap=127 rms=0.46
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	28.9	348	Pg	19:50:45.73			0.05
			Sg	50:50.19			0.23
PTJ	37.2	347	Pg	19:50:46.74			-0.36
			Sg	50:52.16			-0.32
GCIS	47.4	313	iPg	19:50:49.06			0.20

CRES	55.3	300	iPg	19:50:50.53			0.28
GOLS	59.6	325	iPg	19:50:50.79			-0.22
BOJS	64.3	263	iSg	19:51:00.21			-0.70
DOBS	79.1	324	iPg	19:50:54.38			-0.08
RCF6	84.8	354	Pg	19:50:55.59			0.13
			Sg	51:05.84			-1.52
GROS	107.9	336	Pn	19:50:59.68			0.28
			Sn	51:12.36			-2.00
BEHE	113.6	29	Pn	19:51:00.67			0.56
			Sn	51:14.70			-0.93
BLY	126.9	136	Sn	19:51:18.03			-0.53
PERS	139.1	328	Pn	19:51:03.88			0.60
			Sn	51:20.63			-0.65
SOKA	146.5	327	Pn	19:51:04.43			0.22
			Sn	51:23.21			0.28
KOVH	167.8	70	Sn	19:51:27.74			0.09
PKSV	173.5	78	Sn	19:51:29.24			0.33
ARSA	191.0	347	Sn	19:51:34.40			1.60

624.

 2023-05-29 time: 3:25:28.09 UTC ML= 3.2
 lat: 46.088N lon: 21.528E h= 14.8 km
 erh= 1.5km erz= 1.6km
 nr= 45 gap= 59 rms=0.57
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	45.7	211	Pg	3:25:36.97			0.30
BZS	52.8	172	Pg	3:25:37.90			0.02
			Sg	25:44.50			-1.02
SURR	59.3	129	Pg	3:25:38.67			-0.34
BANR	84.1	201	P*	3:25:43.66			0.42
DEV	109.0	102	Pn	3:25:46.13			-0.68
DRGR	120.0	49	Pn	3:25:48.23			0.05
			Sn	26:01.69			-2.17
GZR	124.1	128	Pn	3:25:49.16			0.46
LTVH	147.0	11	Pn	3:25:52.13			0.58
			Sn	26:10.02			0.17
PKSN	156.0	305	Pn	3:25:52.99			0.31
			Sn	26:11.40			-0.47
PKS6	161.5	291	Pn	3:25:53.37			0.01
			Sn	26:12.30			-0.78
BSZH	165.7	324	Pn	3:25:54.58			0.70
			Sn	26:13.92			-0.09
CJR	173.7	66	Pn	3:25:55.80			0.91
DJES	179.6	154	Sn	3:26:18.18			1.10
PKB3	183.7	282	Pn	3:25:56.06			-0.07
			Sn	26:17.94			-0.07
PKS2	183.9	284	Pn	3:25:56.45			0.29
			Sn	26:22.52			4.46*
PKS7	210.5	300	Pn	3:25:59.56			0.09
			Sn	26:29.62			5.67*
PKB5	222.2	285	Pn	3:26:01.02			0.08
			Sn	26:32.60			6.04*
MORH	223.2	274	Pn	3:26:00.72			-0.34
			Sn	26:26.07			-0.71
PKSM	223.4	274	Pn	3:26:00.69			-0.39
			Sn	26:26.50			-0.32
PKB1	224.1	290	Pn	3:26:00.98			-0.18
PKB4	229.9	281	Pn	3:26:01.80			-0.08
PSZ	238.4	329	Pn	3:26:02.78			-0.17
			Sn	26:27.32			-2.83
TRPA	239.7	19	Pn	3:26:03.07			-0.04
BUD	246.3	309	Pn	3:26:03.69			-0.24
			Sn	26:31.72			-0.17
ABAH	246.5	355	Pn	3:26:03.95			-0.01
PKSV	254.8	265	Pn	3:26:11.17			6.18*
PENC	255.1	318	Pn	3:26:05.44			0.40
PKS9	256.2	283	Pn	3:26:05.21			0.04
KOVH	265.1	270	Pn	3:26:05.97			-0.31
KECS	277.7	344	Pn	3:26:08.66			0.80
PKSG	280.2	301	Pn	3:26:08.04			-0.12
CSKK	287.2	300	Pn	3:26:09.23			0.19

Földrengés paraméterek

Hypocenter Parameters

Station	Dist	Azm	Phase	hr mn sec	res
TIH	293.3	288	Pn	3:26:09.85	0.05
PKST	297.4	296	Pn	3:26:10.51	0.21
SRO	310.9	308	Pn	3:26:13.26	1.26*
KOLS	321.3	10	Pn	3:26:14.15	0.86*
MPLH	328.3	292	Pn	3:26:14.27	0.11*
EGYH	353.0	295	Pn	3:26:19.41	2.17*
STHS	370.7	357	Pn	3:26:21.29	1.84*
BLY	371.2	246	Pn	3:26:20.96	1.46*
LANS	374.1	336	Pn	3:26:21.51	1.64*
MODS	410.1	308	Pn	3:26:24.66	0.30*
SMOL	410.9	311	eSn	3:27:04.30	-4.14*
SOP	418.3	295	Pn	3:26:25.69	0.31*
PTJ	432.0	267	Pn	3:26:27.40	0.31*
RONA	437.1	294	Pn	3:26:27.94	0.21*
			Sn	27:10.96	-3.29*
WINA	471.1	298	Sn	3:27:18.75	-3.03*
CONA	477.0	295	Pn	3:26:31.83	-0.87*
			Sn	27:19.35	-3.75*
ARSA	477.4	286	Pn	3:26:33.06	0.31*
SOKA	504.0	277	Pn	3:26:35.49	-0.57*
			Sn	27:24.41	-4.68*
MORC	506.9	324	Pn	3:26:37.39	0.96*
ABNA	542.5	302	Pn	3:26:40.59	-0.28*
			Sn	27:34.17	-3.47*
MOA	586.3	290	Pn	3:26:47.79	1.46*
			Sn	27:44.60	-2.77*
BIOA	627.2	287	Pn	3:26:51.88	0.45*
			Sn	27:53.20	-3.23*
WTTA	768.1	280	Pn	3:27:10.16	1.16*
WATA	773.5	280	Pn	3:27:10.40	0.73*
SQTA	799.9	279	Pn	3:27:13.36	0.40*

625.

2023-05-29 time: 9:08:52.98 UTC ML= 2.1
 lat: 46.093N lon: 21.590E h= 12.4 km
 erh= 4.4km erz= 4.0km
 nr= 8 gap=192 rms=0.56
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	48.8	216	Pg	9:09:01.74	-0.23
BZS	52.9	178	PgU	9:09:02.92	0.23
			Sg	09:09.33	-0.93
SURR	56.0	132	Pg	9:09:03.62	0.39
			Sg	09:10.74	-0.48
DRGR	116.0	48	Pn	9:09:13.33	0.43
			Sn	09:26.63	-1.81
GZR	120.7	130	Sn	9:09:30.07	0.59

626.

2023-05-29 time: 11:31:53.04 UTC ML= 1.5
 lat: 48.971N lon: 21.244E h= 0.0 km
 erh= 2.2km erz= 3.3km
 nr= 12 gap= 93 rms=0.70
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	49.5	360	Pg	11:32:02.39	0.51
			Sg	32:07.87	-0.91
ABAH	75.1	180	Pg	11:32:07.33	0.88
			Sg	32:16.48	-0.43
KOLS	75.5	93	Pg	11:32:07.01	0.49
			Sg	32:16.17	-0.86
KECS	77.8	226	Pg	11:32:07.33	0.39
			Sg	32:17.19	-0.59
LANS	131.3	279	Pn	11:32:16.09	-0.36
TRPA	133.7	134	Pn	11:32:16.95	0.20
			Sn	32:32.45	-2.79
PSZ	153.9	220	Sn	11:32:38.24	-1.47

627.

2023-05-29 time: 12:29:17.31 UTC ML= 1.2
 lat: 48.666N lon: 21.496E h= 0.0 km
 erh= 3.0km erz= 5.5km
 nr= 7 gap= 93 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.3	205	Pg	12:29:26.69	1.29
			Sg	29:32.42	0.71
KOLS	64.4	62	Sg	12:29:37.26	-0.51
KECS	77.3	255	Sg	12:29:41.17	-0.71
STHS	85.5	348	Sg	12:29:44.38	-0.12
TRPA	97.5	128	Sg	12:29:47.74	-0.57
PSZ	145.0	235	Sn	12:30:00.73	-1.29

628.

2023-05-30 time: 1:14:45.09 UTC ML= 1.4
 lat: 48.335N lon: 21.592E h= 16.0 km
 erh= 2.5km erz= 1.5km
 nr= 9 gap=134 rms=0.39
 Locality: Károlyfalva
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	26.5	261	PgD	1:14:50.34	-0.28
			Sg	14:55.12	0.18
KOLS	83.3	37	P*	1:15:00.36	0.35
			S*	15:11.55	-0.10
KECS	83.6	281	P*	1:14:59.91	-0.14
			S*	15:10.93	-0.79
PSZ	134.6	250	Pn	1:15:07.56	0.70
			Sn	15:23.84	0.00
R1E1	142.2	171	Sn	1:15:25.11	-0.42

629.

2023-05-30 time: 5:20:11.66 UTC ML= 1.5
 lat: 47.597N lon: 16.346E h= 0.0 km
 erh= 1.8km erz=29.8km
 nr= 10 gap=102 rms=0.41
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	12.1	342	PgU	5:20:14.29	0.47
			Sg	20:15.68	0.18
SOP	18.7	59	Pg	5:20:15.15	0.16
			Sg	20:17.56	-0.03
CONA	51.8	315	Pg	5:20:21.10	0.20
			Sg	20:27.02	-1.09
ARSA	73.0	238	Pg	5:20:24.91	0.21
EGYH	76.9	105	Pg	5:20:25.34	-0.06
MODS	110.9	39	Pg	5:20:30.94	-0.53
GROS	141.6	207	Sn	5:20:52.07	-3.54*

630.

2023-05-30 time: 6:01:58.54 UTC ML= 1.6
 lat: 46.735N lon: 22.819E h= 0.0 km
 erh= 1.5km erz= 1.2km
 nr= 7 gap=234 rms=0.13
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	10.4	308	Pg	6:02:00.26	-0.13
			Sg	02:02.06	0.23
SURR	121.4	206	Sg	6:02:37.08	-0.06
GZR	149.1	181	Pn	6:02:24.28	0.12
			Sn	02:44.32	0.17

Hypocenter Parameters

BZS 155.1 217 Pn 6:02:24.83 -0.08
Sn 02:45.38 -0.10

631.

2023-05-30 time: 9:48:42.67 UTC ML= 0.9
lat: 47.239N lon: 18.244E h= 0.0 km
erh= 2.5km erz= 318km
nr= 6 gap=245 rms=0.19
Locality: Iszkaszentgyörgy
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.9	5	Pg	9:48:45.50	0.35
			Sg	48:47.11	0.02
PKST	16.1	278	Pg	9:48:45.52	-0.02
			Sg	48:47.56	-0.22
PKSG	20.3	33	Pg	9:48:46.15	-0.15
			Sg	48:49.03	-0.09

632.

2023-05-30 time: 9:52:57.34 UTC ML= 1.4
lat: 48.501N lon: 17.486E h= 0.0 km
erh= 1.6km erz= 3.3km
nr= 8 gap=209 rms=0.34
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.5	288	PgU	9:52:57.99	-0.15
			Sg	52:58.67	-0.09
MODS	21.0	227	Pg	9:53:01.59	0.51
			Sg	53:03.70	-0.30
JAVC	42.1	19	Pg	9:53:04.72	-0.13
			Sg	53:10.82	0.11
KRUC	101.6	308	Pg	9:53:15.61	0.14
CONA	136.5	242	Sn	9:53:38.78	-1.37

633.

2023-05-30 time: 10:01:38.98 UTC ML= 1.8
lat: 48.093N lon: 16.903E h= 0.0 km
erh= 4.4km erz= 710km
nr= 6 gap=174 rms=0.42
Locality: Austria
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.8	52	Pg	10:01:42.68	0.35
			Sg	01:45.03	0.08
MODS	41.8	42	Pg	10:01:46.59	0.14
			Sg	01:50.90	-1.37
RONA	63.0	226	Sg	10:01:58.49	-0.52
KRUC	114.1	341	Pg	10:01:59.43	0.07

634.

2023-05-30 time: 11:22:20.33 UTC ML= 1.3
lat: 48.540N lon: 19.947E h= 0.0 km
erh= 2.0km erz= 595km
nr= 9 gap=149 rms=0.45
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	40.3	99	Pg	11:22:27.80	0.27
			Sg	22:32.88	-0.27
PSZ	69.3	183	Pg	11:22:33.05	0.35
			Sg	22:41.46	-0.89
LANS	76.4	333	Pg	11:22:34.22	0.24
			Sg	22:43.49	-1.14
ABAH	99.5	106	Pg	11:22:38.01	-0.08
			Sg	22:51.36	-0.59

Földrengés paraméterek

NIE 101.3 15 Pg 11:22:38.84 0.41

635.

2023-05-31 time: 6:36:26.43 UTC ML= 1.7
lat: 48.414N lon: 17.257E h= 0.0 km
erh= 1.7km erz= 720km
nr= 15 gap=113 rms=0.62
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	4.7	162	PgU	6:36:27.66	0.39
			Sg	36:28.17	0.24
SMOL	16.8	49	Pg	6:36:29.21	-0.22
			Sg	36:31.29	-0.49
ZST	26.8	205	Sg	6:36:34.10	-0.85
JAVC	58.1	32	Pg	6:36:36.82	0.01
			Sg	36:44.26	-0.64
KRUC	96.0	319	Pg	6:36:44.26	0.69
			Sg	36:56.60	-0.34
RONA	107.0	222	Pg	6:36:46.36	0.83
			Sg	36:58.90	-1.53
VRAC	110.7	334	Pg	6:36:46.80	0.60
			Sg	37:01.41	-0.22
CONA	117.0	243	Pg	6:36:47.13	-0.20
			Sg	37:01.69	-1.94

636.

2023-05-31 time: 7:04:41.22 UTC ML= 1.7
lat: 48.437N lon: 19.549E h= 0.0 km
erh= 3.6km erz= 5.7km
nr= 15 gap= 67 rms=1.21
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	63.1	156	Pg	7:04:53.79	1.30
			Sg	05:01.39	0.10
KECS	69.5	86	Pg	7:04:54.66	1.03
			Sg	05:03.34	0.03
PENC	74.6	195	Sg	7:05:04.41	-0.51
LANS	79.6	356	Pg	7:04:57.05	1.62
			Sg	05:05.69	-0.83
SRO	115.2	233	Sg	7:05:15.84	-1.99
NIE	122.7	27	Pg	7:05:03.08	-0.06
			Sg	05:18.58	-1.65
ABAH	126.3	97	Pg	7:05:03.97	0.20
			Sg	05:18.97	-2.38
PKSG	144.9	217	Sn	7:05:24.37	-1.53
JAVC	146.1	289	Sn	7:05:24.76	-1.41
MODS	168.3	268	Sn	7:05:32.58	1.48

637.

2023-05-31 time: 8:01:05.43 UTC ML= 1.7
lat: 46.068N lon: 22.805E h= 0.0 km
erh= 3.2km erz= 6.4km
nr= 12 gap=117 rms=0.81
Locality: Romania
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	21.9	160	Pg	8:01:09.38	0.03
			Sg	01:11.96	-0.44
SURR	63.3	236	Pg	8:01:17.93	1.20
			Sg	01:24.66	-0.88
GZR	75.0	182	Pg	8:01:19.03	0.20
			Sg	01:27.95	-1.33
DRGR	80.7	355	Pg	8:01:20.44	0.59
			Sg	01:29.52	-1.58
BZS	105.0	241	Pg	8:01:24.71	0.52
			Sg	01:37.39	-1.43
VOIR	188.2	112	Pn	8:01:36.30	0.36

Földrengés paraméterek

Hypocenter Parameters

Sn 01:59.31 -0.42
638.

2023-05-31 time: 8:11:11.36 UTC ML= 1.5
lat: 46.856N lon: 17.372E h= 0.0 km
erh= 4.6km erz= ***km
nr= 11 gap=233 rms=0.83
Locality: Lesencetomaj
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	37.2	20	Pg	8:11:17.61	-0.39
			Sg	11:23.09	-0.09
TIH	40.1	83	Sg	8:11:25.99	1.90
PKST	67.4	48	Sg	8:11:32.84	0.05
PKSG	97.6	52	Sg	8:11:42.19	-0.20
KOVH	102.0	147	Pg	8:11:31.00	1.42
			Sg	11:43.56	-0.24
MORH	120.8	126	Pg	8:11:32.84	-0.10
			Sg	11:48.57	-1.19
PKSM	120.9	126	Pg	8:11:32.76	-0.19
			Sg	11:48.37	-1.42

639.

2023-05-31 time: 8:41:09.63 UTC ML= 1.3
lat: 47.873N lon: 16.049E h= 0.0 km
erh= 1.4km erz= 2.2km
nr= 7 gap=125 rms=0.98
Locality: Austria
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.3	294	Pg	8:41:13.28	0.93
			Sg	41:15.07	0.59
RONA	26.8	136	Pg	8:41:14.92	0.51
			Sg	41:18.67	0.53
ARSA	79.7	210	Sg	8:41:33.50	-1.47
KRUC	134.6	11	Pn	8:41:32.99	-0.46
			Sn	41:49.63	-2.40

640.

2023-05-31 time: 10:01:18.66 UTC ML= 1.4
lat: 47.384N lon: 18.580E h= 0.0 km
erh= 3.5km erz= 498km
nr= 7 gap=264 rms=0.33
Locality: Vértesacsá
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	14.3	273	Pg	10:01:21.40	0.18
			Sg	01:23.91	0.69
CSKK	24.3	264	Pg	10:01:22.66	-0.34
			Sg	01:26.26	-0.12
PKST	43.6	251	Sg	10:01:32.09	-0.42
MORH	130.0	178	Sg	10:02:00.30	0.32
PKSM	130.4	178	Sg	10:02:00.14	0.02

641.

2023-05-31 time: 11:15:47.83 UTC ML= 2.1
lat: 48.510N lon: 22.826E h= 12.0 km
erh= 4.6km erz= 2.4km
nr= 13 gap=193 rms=0.84
Locality: Ukraine
Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	47.2	207	Pg	11:15:56.25	-0.28
			Sg	16:03.71	0.39
KOLS	62.2	319	Pg	11:15:58.67	-0.47
			Sg	16:08.55	0.59

BMR	105.7	152	Sn	11:16:20.85	-0.23
ABAH	119.8	259	Pn	11:16:07.57	-0.71
			Sn	16:23.89	-0.34
STHS	153.6	311	Pn	11:16:13.48	0.99
			Sn	16:29.88	-1.84
KECS	173.0	269	Pn	11:16:17.26	2.36
			Sn	16:35.89	-0.13
DRGR	191.2	183	Sn	11:16:40.06	-0.01
PSZ	227.5	253	Sn	11:16:49.19	1.06

642.

2023-05-31 time: 15:14:37.27 UTC ML= 2.3
lat: 48.460N lon: 22.754E h= 7.2 km
erh= 3.1km erz= 2.2km
nr= 20 gap=182 rms=0.78
Locality: Ukraine
Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	39.9	204	Pg	15:14:44.88	0.36
			Sg	14:50.47	0.29
KOLS	63.5	326	Pg	15:14:48.77	0.09
			Sg	14:56.28	-1.29
BMR	103.5	148	Pg	15:14:55.57	-0.24
			Sg	15:09.88	-0.38
ABAH	113.7	261	Pn	15:14:57.09	-0.46
			Sn	15:12.09	-1.28
LTVH	135.5	208	Pn	15:15:01.08	0.81
			Sn	15:18.66	0.45
STHS	153.5	314	Pn	15:15:01.81	-0.71
			Sn	15:24.11	1.89
KECS	167.8	271	Pn	15:15:05.78	1.48
			Sn	15:24.31	-1.07
DRGR	185.5	181	Pn	15:15:06.64	0.13
			Sn	15:29.07	-0.24
NIE	208.2	301	Pn	15:15:13.41	4.07
			Sn	15:34.71	0.35
PSZ	221.0	254	Pn	15:15:10.22	-0.71
			Sn	15:37.20	0.01

643.

2023-05-31 time: 22:54:33.16 UTC ML= 1.6
lat: 45.916N lon: 16.011E h= 6.0 km
erh= 0.9km erz= 1.4km
nr= 19 gap= 97 rms=0.31
Locality: Croatia
Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.5	247	Pg	22:54:34.32	-0.17
			Sg	54:35.53	0.01
R971	8.7	180	PgD	22:54:34.63	-0.41
ZAG	9.7	188	PgD	22:54:35.04	-0.16
			Sg	54:37.31	0.52
GCIS	30.2	260	iPg	22:54:38.65	-0.01
			iSg	54:43.01	0.06
GOLS	31.7	289	iSg	22:54:43.99	0.57
CESS	42.9	279	iSg	22:54:47.13	0.19
RCF6	46.6	355	Pg	22:54:41.58	0.04
			Sg	54:48.46	0.38
DOBS	49.3	302	iPg	22:54:42.04	0.01
			iSg	54:48.80	-0.15
LEGS	53.9	274	iPg	22:54:42.83	-0.01
			iSg	54:50.60	0.21
GROS	72.2	327	Sg	22:54:54.86	-1.33
BEHE	85.3	44	Pg	22:54:48.60	0.17
			Sg	55:00.58	0.23
PERS	105.6	319	Sg	22:55:03.86	-2.92*
KOVH	163.0	83	Pn	22:54:59.77	0.02

Hypocenter Parameters

Földrengés paraméterek

644.

2023-05-31 time: 23:35:08.83 UTC ML= 0.3
 lat: 47.739N lon: 16.226E h= 13.5 km
 erh= 2.3km erz= 1.7km
 nr= 10 gap= 99 rms=0.33
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	6.9	130	PgD	23:35:11.73			0.20
			Sg		35:13.42		-0.22
SOP	25.7	104	Pg	23:35:14.02			0.00
			Sg		35:17.82		-0.24
CONA	34.4	308	Pg	23:35:15.69			0.26
			Sg		35:20.25		-0.33
WINA	42.5	344	Pg	23:35:17.15			0.36
			Sg		35:22.76		-0.23
ARSA	75.9	224	Sg	23:35:30.60			-2.72
KRUC	147.6	5	Sn	23:35:50.77			-0.27

645.

2023-06-01 time: 7:52:11.08 UTC ML= 0.4
 lat: 46.120N lon: 18.326E h= 0.0 km
 erh= 1.8km erz= 405km
 nr= 8 gap=168 rms=0.29
 Locality: Hird
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.8	259	Pg	7:52:14.16			-0.11
			Sg		52:16.73		-0.03
PKSV	26.3	193	Pg	7:52:16.29			0.50
			Sg		52:18.80		-0.66
PKSM	26.4	67	Pg	7:52:15.81			0.01
			Sg		52:19.09		-0.39
MORH	26.8	67	Pg	7:52:15.90			0.03
			Sg		52:19.72		0.13

646.

2023-06-01 time: 8:03:55.17 UTC ML= 1.4
 lat: 48.553N lon: 20.807E h= 0.0 km
 erh= 5.6km erz= 720km
 nr= 5 gap=240 rms=0.33
 Locality: Bódvalenke
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.0	252	Pg	8:03:59.32			-0.32
			Sg		04:03.16		0.04
ABAH	42.9	132	Pg	8:04:03.24			0.41
			Sg		04:08.38		-0.43
PSZ	97.9	224	Sg	8:04:26.48			0.20

647.

2023-06-01 time: 9:14:06.03 UTC ML= 1.8
 lat: 47.208N lon: 16.341E h= 0.0 km
 erh= 4.3km erz= ***km
 nr= 9 gap=125 rms=0.97
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ARSA	62.1	274	Sg	9:14:24.79			-0.99
CONA	87.8	336	Pg	9:14:22.83			1.12
			Sg		14:33.08		-0.86
MPLH	90.9	93	Sg	9:14:33.55			-1.38
GROS	104.9	218	Pg	9:14:25.39			0.62
			Sg		14:38.75		-0.63
PERS	112.9	236	Pg	9:14:26.91			0.71
SOKA	115.8	239	Pg	9:14:26.99			0.28

Sg 14:40.60 -2.23

648.

2023-06-01 time: 10:35:14.32 UTC ML= 1.4
 lat: 48.398N lon: 17.359E h= 0.0 km
 erh= 2.7km erz= 489km
 nr= 9 gap=201 rms=0.45
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	6.6	246	PgU	10:35:15.63			0.12
			Sg		35:17.04		0.61
SMOL	13.9	22	Pg	10:35:17.20			0.40
			Sg		35:19.29		0.55
JAVC	56.2	24	Pg	10:35:24.44			0.08
KRUC	102.4	316	Pg	10:35:31.97			-0.64
			Sg		35:45.47		-1.39
RONA	110.9	226	Pg	10:35:34.04			-0.09

649.

2023-06-01 time: 11:45:31.97 UTC ML= 1.0
 lat: 47.926N lon: 16.116E h= 0.0 km
 erh= 3.1km erz= 848km
 nr= 6 gap=142 rms=0.52
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	19.0	271	Pg	11:45:35.53			0.17
RONA	28.6	152	Sg	45:37.12			-0.88
			Pg	11:45:37.27			0.20
KRUC	128.0	9	Sg	45:40.40			-0.65
			Pg	11:45:55.51			0.68
			Sg	46:12.10			-0.56

650.

2023-06-01 time: 12:57:43.43 UTC ML= 1.6
 lat: 48.222N lon: 21.690E h= 6.5 km
 erh= 3.8km erz= 4.2km
 nr= 11 gap=102 rms=0.85
 Locality: Tiszakarád
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ABAH	34.4	284	Pg	12:57:50.26			0.58
			Sg		57:55.17		0.61
TRPA	64.0	99	Pg	12:57:55.13			0.21
			Sg		58:02.88		-1.01
KOLS	90.0	29	Pg	12:57:59.39			-0.16
			Sg		58:11.88		-0.24
KECS	93.8	288	Pg	12:57:59.81			-0.42
			Sg		58:11.29		-2.04
STHS	136.8	346	ePn	12:58:08.50			1.80
PSZ	138.0	256	Sn	12:58:24.05			-1.06
DRGR	176.7	154	Sn	12:58:34.91			1.21

651.

2023-06-01 time: 13:47:19.98 UTC ML= 2.0
 lat: 45.889N lon: 21.605E h= 15.5 km
 erh= 2.6km erz= 2.2km
 nr= 10 gap=160 rms=0.44
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	30.3	178	Pg	13:47:26.09			0.03
TIM	34.3	240	Sg	47:31.40			0.60
			Pg	13:47:26.32			-0.39

Földrengés paraméterek

Hypocenter Parameters

SURR 43.1 110 Pg 13:47:28.40 0.24
 Sg 47:33.99 -0.55
 BANR 67.2 213 Pg 13:47:32.39 0.10
 Sg 47:41.86 -0.04
 GZR 106.7 121 Sn 13:47:52.19 -0.47
 DRGR 131.6 40 Pn 13:47:42.13 0.68
 Sn 47:57.00 -1.18

652.

2023-06-01 time: 15:14:48.94 UTC ML= 2.0
 lat: 46.085N lon: 21.549E h= 15.0 km
 erh= 3.8km erz= 3.5km
 nr= 9 gap=195 rms=0.57
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	46.4	213	Pg	15:14:57.91	0.26
			Sg	15:04.09	-0.35
BZS	52.4	174	PgU	15:14:58.93	0.27
			Sg	15:05.50	-0.75
SURR	57.9	130	Pg	15:14:59.79	0.18
			Sg	15:06.95	-0.99
DRGR	118.9	49	Pn	15:15:09.33	0.45
			Sn	15:22.86	-1.58
GZR	122.6	129	Sn	15:15:25.93	0.66

653.

2023-06-01 time: 21:42:34.48 UTC ML= 1.4
 lat: 46.710N lon: 16.924E h= 15.9 km
 erh= 2.4km erz= 1.8km
 nr= 15 gap= 76 rms=0.71
 Locality: Pötréte
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	28.9	203	Pg	21:42:40.64	0.26
			Sg	42:45.65	0.66
MPLH	69.4	42	Pg	21:42:46.35	-0.85
			Sg	42:56.40	-0.73
EGYH	84.5	22	P*	21:42:50.22	0.62
RCF6	85.0	241	S*	21:43:00.86	-0.65
PKST	104.3	54	Pn	21:42:52.88	0.40
PKS9	104.6	97	Pn	21:42:53.19	0.66
GROS	112.4	256	Sn	21:43:07.40	-0.93
KOVH	113.8	127	Pn	21:42:53.08	-0.59
			Sn	43:06.78	-1.86
RONA	119.9	337	Sn	21:43:09.57	-0.42
ARSA	122.3	299	Sn	21:43:11.62	1.09
PKSM	143.1	113	Sn	21:43:15.83	0.69
MORH	143.1	113	Sn	21:43:15.75	0.60

654.

2023-06-02 time: 7:03:16.91 UTC ML= 1.3
 lat: 48.467N lon: 17.422E h= 0.0 km
 erh= 3.1km erz= 593km
 nr= 8 gap=203 rms=0.43
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.2	5	PgU	7:03:18.02	0.19
			Sg	03:18.71	0.15
MODS	15.0	226	Pg	7:03:19.68	0.10
			Sg	03:21.03	-0.63
JAVC	47.2	23	Pg	7:03:25.44	0.09
			Sg	03:31.36	-0.57
KRUC	100.4	311	Pg	7:03:35.31	0.48
			Sg	03:47.59	-1.22

655.

2023-06-02 time: 8:04:52.74 UTC ML= 1.0
 lat: 45.908N lon: 18.344E h= 0.0 km
 erh= 1.0km erz= 179km
 nr= 7 gap=219 rms=0.12
 Locality: Vokány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	7.5	253	Pg	8:04:54.11	0.04
			Sg	04:54.89	-0.23
KOVH	27.6	317	Sg	8:05:01.55	0.05
PKSM	40.8	34	Pg	8:05:00.06	0.03
			Sg	05:05.64	-0.08
MORH	41.3	34	Pg	8:05:00.26	0.14
			Sg	05:05.66	-0.21

656.

2023-06-02 time: 8:11:40.21 UTC ML= 1.6
 lat: 48.550N lon: 19.364E h= 0.0 km
 erh= 4.5km erz= 5.5km
 nr= 11 gap=182 rms=0.88
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	67.2	7	Pg	8:11:52.36	0.16
			Sg	12:00.73	-0.83
PSZ	80.6	151	Pg	8:11:55.66	1.06
			Sg	12:05.06	-0.77
KECS	83.2	95	Pg	8:11:55.82	0.75
			Sg	12:06.37	-0.29
PENC	84.7	184	Sg	8:12:05.27	-1.87
NIE	119.0	36	Pg	8:12:01.60	0.14
			Sg	12:16.23	-1.80
ABAH	141.7	102	Pn	8:12:05.68	0.77
			Sn	12:23.37	-0.81

657.

2023-06-02 time: 8:29:24.02 UTC ML= 1.4
 lat: 48.564N lon: 20.754E h= 0.0 km
 erh= 3.2km erz= ***km
 nr= 10 gap= 92 rms=0.81
 Locality: Komjáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.8	246	Pg	8:29:28.64	0.72
			Sg	29:30.98	0.03
ABAH	46.7	130	Pg	8:29:32.67	0.32
			Sg	29:37.95	-0.90
PSZ	96.1	222	Pg	8:29:41.98	0.80
			Sg	29:52.08	-2.49
NIE	100.4	341	Pg	8:29:41.83	-0.12
LANS	114.7	305	Pg	8:29:44.33	-0.18
			Sg	29:58.18	-2.31
KOLS	119.0	70	Pg	8:29:45.54	0.27

658.

2023-06-02 time: 9:15:57.96 UTC ML= 1.1
 lat: 47.244N lon: 18.252E h= 0.0 km
 erh= 4.7km erz= 488km
 nr= 5 gap=243 rms=0.23
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.2	3	Pg	9:16:00.56	0.24
			Sg	16:02.39	0.22
PKST	16.6	276	Pg	9:16:00.86	-0.06

Hypocenter Parameters

Földrengés paraméterek

PKSG 19.5 33 Sg 16:03.01 -0.21
Sg 9:16:03.73 -0.42

659.

2023-06-02 time: 9:32:56.68 UTC ML= 1.2
lat: 48.584N lon: 20.343E h= 0.0 km
erh= 7.5km erz= 6.4km
nr= 6 gap=263 rms=0.65
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	15.4	137	Pg	9:33:00.26	0.84
			Sg	33:01.70	0.14
ABAH	73.6	116	Pg	9:33:09.96	0.13
			Sg	33:19.12	-0.96
PSZ	81.2	204	Sg	9:33:21.93	-0.54
TRPA	170.4	107	Sn	9:33:46.04	-0.97

660.

2023-06-02 time: 13:16:13.86 UTC ML= 2.0
lat: 46.099N lon: 16.414E h= 11.2 km
erh= 2.1km erz= 1.6km
nr= 20 gap=128 rms=0.69
Locality: Croatia
Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	41.7	238	Pg	13:16:22.17	0.60
			Sg	16:27.18	-0.41
RCF6	43.6	307	Pg	13:16:21.93	0.02
ZAG	44.3	227	Pg	13:16:21.52	-0.50
			Sg	16:28.98	0.59
BEHE	49.8	34	Pg	13:16:22.70	-0.27
			Sg	16:30.93	0.86
GROS	81.0	300	Pg	13:16:27.57	-0.89
			Sg	16:38.87	-0.98
PERS	116.3	301	Pn	13:16:33.99	0.03
			Sn	16:49.01	-0.63
SOKA	124.2	301	Pn	13:16:35.78	0.83
			Sn	16:50.46	-0.94
KOVH	130.4	91	Pn	13:16:35.86	0.14
			Sn	16:51.04	-1.73
PKSV	144.3	99	Sn	13:16:55.97	0.10
ARSA	145.0	332	Pn	13:16:37.97	0.43
			Sn	16:55.82	-0.19
OBKA	150.7	288	Pn	13:16:39.62	1.36
			Sn	16:59.23	1.94

661.

2023-06-02 time: 16:57:46.40 UTC ML= 2.2
lat: 46.092N lon: 21.669E h= 11.5 km
erh= 5.3km erz= 4.8km
nr= 7 gap=118 rms=0.65
Locality: Romania
Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	53.0	184	PgU	16:57:56.15	0.08
			Sg	58:02.76	-0.86
DRGR	111.7	46	Pn	16:58:06.83	0.95
			Sn	58:20.02	-1.06
LTVH	144.8	7	Sn	16:58:28.33	-0.12
PKSN	164.8	303	Sn	16:58:32.87	-0.01
DJES	175.4	158	Sn	16:58:35.24	0.00

662.

2023-06-03 time: 19:57:11.60 UTC ML= 1.1
lat: 48.536N lon: 17.279E h= 7.3 km
erh= 1.5km erz= 1.5km
nr= 13 gap= 87 rms=0.42
Locality: Slovakia
Comments:

sta	dist	azm	phase	hr mn sec	res
SMOL	11.3	102	PgU	19:57:13.75	-0.25
			Sg	57:15.76	-0.12
MODS	18.0	180	PgD	19:57:14.86	-0.21
			Sg	57:17.60	-0.17
ZST	40.0	199	Sg	19:57:24.48	-0.03
JAVC	46.1	39	Sg	19:57:26.47	0.04
KRUC	87.4	312	Pg	19:57:27.52	0.26
			Sg	57:39.51	0.04
SOP	108.9	210	Pg	19:57:32.15	1.06
RONA	118.3	218	Sn	19:57:48.67	-0.04
CONA	125.1	237	Sn	19:57:49.77	-0.45
ABNA	137.0	276	Pn	19:57:34.81	0.04
			Sn	57:51.53	-1.32

663.

2023-06-04 time: 2:01:42.71 UTC ML= 0.2
lat: 47.776N lon: 16.309E h= 20.9 km
erh= 4.6km erz= 4.3km
nr= 9 gap= 72 rms=0.74
Locality: Austria
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	8.5	187	PgD	2:01:46.97	0.27
			Sg	01:48.62	-1.20
SOP	21.3	119	Pg	2:01:48.70	0.70
			Sg	01:51.85	-0.27
CONA	37.6	297	Pg	2:01:50.46	0.16
			Sg	01:55.19	-1.04
ARSA	83.2	225	Sg	2:02:08.77	0.20
MODS	98.1	47	Sn	2:02:11.20	-1.11
KRUC	143.1	3	Sn	2:02:23.95	1.64

664.

2023-06-04 time: 2:03:11.47 UTC ML=-0.1
lat: 47.767N lon: 16.264E h= 15.9 km
erh= 1.8km erz= 1.2km
nr= 7 gap=109 rms=0.29
Locality: Austria
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	7.8	162	PgD	2:03:15.05	0.41
			Sg	03:16.81	-0.30
SOP	23.9	113	Pg	2:03:16.68	0.08
			Sg	03:20.10	-0.51
CONA	35.1	301	Sg	2:03:23.51	-0.20
ARSA	80.1	224	S*	2:03:37.08	-0.08
KRUC	144.3	4	Sn	2:03:52.50	0.10

665.

2023-06-05 time: 7:35:34.76 UTC ML= 1.6
lat: 47.623N lon: 17.801E h= 15.4 km
erh= 2.3km erz= 2.7km
nr= 23 gap= 65 rms=0.72
Locality: Pér
Comments:

sta	dist	azm	phase	hr mn sec	res
EGYH	42.1	237	Pg	7:35:43.47	0.70
			Sg	35:48.89	-0.12

Földrengés paraméterek

Hypocenter Parameters

SRO	43.9	61	Pg	7:35:42.63	-0.43
			Sg	35:49.10	-0.44
PKST	44.1	157	Pg	7:35:43.06	-0.04
			Sg	35:49.51	-0.09
CSKK	45.1	130	Pg	7:35:43.56	0.30
			Sg	35:49.08	-0.81
PKSG	51.3	120	Pg	7:35:44.52	0.20
			Sg	35:51.19	-0.59
MPLH	54.1	201	Pg	7:35:44.83	0.03
			Sg	35:52.33	-0.30
ZST	82.4	321	eS*	7:36:01.30	0.11
MODS	92.2	335	P*	7:35:51.66	0.57
			S*	36:02.63	-1.20
SOP	93.6	274	S*	7:36:03.18	-1.04
SMOL	102.9	344	Sn	7:36:06.00	-0.62
RONA	113.4	274	Pn	7:35:54.32	0.36
			Sn	36:08.02	-0.92
JAVC	137.8	356	Sn	7:36:17.28	2.91
WINA	140.1	293	Pn	7:35:57.92	0.63
			Sn	36:13.97	-0.90
CONA	149.3	283	Sn	7:36:19.59	2.67
KOVH	172.1	172	Sn	7:36:27.00	5.03*

666.

2023-06-05 time: 8:58:07.66 UTC ML= 1.1
 lat: 47.961N lon: 16.086E h= 0.0 km
 erh= 1.5km erz= 2.5km
 nr= 8 gap=137 rms=0.32
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.1	258	Pg	8:58:10.74	0.02
			Sg	58:12.93	-0.17
RONA	33.0	151	Pg	8:58:13.29	-0.26
			Sg	58:18.33	0.18
KRUC	124.6	11	Pg	8:58:30.00	0.10
			Sg	58:46.35	-0.90
VRAC	154.5	14	Pn	8:58:34.55	0.60
			Sn	58:54.43	-0.03

667.

2023-06-05 time: 9:21:30.37 UTC ML= 1.6
 lat: 47.490N lon: 16.324E h= 0.0 km
 erh= 5.0km erz= 5.3km
 nr= 11 gap=188 rms=1.13
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	23.4	355	PgU	9:21:35.47	0.91
			Sg	21:37.74	-0.08
SOP	27.8	39	Pg	9:21:36.45	1.11
			Sg	21:38.96	-0.25
CONA	59.9	325	Pg	9:21:42.20	1.13
			Sg	21:48.07	-1.33
ARSA	66.1	246	Sg	9:21:50.69	-0.70
MODS	121.4	36	Sg	9:22:05.99	-2.96
SOKA	133.3	227	Sn	9:22:11.12	-1.36
KRUC	174.9	2	Pn	9:21:59.03	-0.18
			Sn	22:19.93	-1.78

668.

2023-06-05 time: 11:41:26.14 UTC ML= 1.6
 lat: 47.924N lon: 20.137E h= 0.0 km
 erh= 4.3km erz= 5.1km
 nr= 8 gap=194 rms=0.58
 Locality: Recsk
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	18.1	268	Pg	11:41:29.81	0.44

			Sg	41:31.81	-0.09
PENC	65.7	257	Sg	11:41:45.83	-1.19
KECS	67.4	23	Pg	11:41:38.62	0.45
			Sg	41:47.39	-0.16
ABAH	92.0	63	Pg	11:41:42.98	0.42
			Sg	41:54.70	-0.67
LANS	145.0	340	Sn	11:42:09.77	-1.08

669.

2023-06-05 time: 13:02:15.38 UTC ML= 1.7
 lat: 48.219N lon: 21.687E h= 7.4 km
 erh= 2.5km erz= 4.4km
 nr= 10 gap=114 rms=0.61
 Locality: Tiszakarád
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	34.3	284	PgD	13:02:22.06	0.41
			Sg	02:26.77	0.23
TRPA	64.1	99	Pg	13:02:26.76	-0.14
			Sg	02:34.63	-1.26
KOLS	90.4	29	Pg	13:02:32.12	0.54
			Sg	02:43.59	-0.63
KECS	93.8	288	Pg	13:02:32.00	-0.18
			Sg	02:43.20	-2.09
LTVH	94.1	170	Pg	13:02:32.86	0.63
BMR	148.2	114	Sn	13:02:58.93	-0.19

670.

2023-06-05 time: 14:25:07.26 UTC ML= 1.4
 lat: 45.665N lon: 18.043E h= 7.2 km
 erh= 1.8km erz= 1.7km
 nr= 11 gap=328 rms=0.19
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	29.7	33	Pg	14:25:12.27	-0.45
			Sg	25:17.13	0.16
KOVH	47.3	5	Pg	14:25:15.99	0.19
			Sg	25:22.41	-0.05
PKSM	76.5	37	Pg	14:25:21.09	0.11
			Sg	25:31.99	0.31
MORH	77.0	37	Pg	14:25:21.05	-0.01
			Sg	25:31.76	-0.07
PKB4	102.1	25	Sg	14:25:39.67	-0.12
PKS9	104.1	10	Sg	14:25:40.30	-0.13
PKB1	137.2	25	Pn	14:25:30.49	0.01

671.

2023-06-05 time: 19:21:01.09 UTC ML= 1.1
 lat: 45.655N lon: 18.066E h= 8.5 km
 erh= 3.6km erz= 4.7km
 nr= 10 gap=179 rms=0.30
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	29.7	29	Pg	19:21:06.78	0.16
			Sg	21:11.14	0.21
KOVH	48.3	3	Pg	19:21:10.06	0.22
			Sg	21:16.33	-0.34
PKSM	76.3	36	Pg	19:21:14.35	-0.46
			Sg	21:25.30	-0.20
MORH	76.8	36	Pg	19:21:14.59	-0.30
			Sg	21:26.29	0.63
PKS9	104.9	9	Pg	19:21:20.10	0.21
BLY	122.2	215	Sn	19:21:38.93	0.12

Hypocenter Parameters

Földrengés paraméterek

672.

2023-06-05 time: 19:57:13.27 UTC ML= 0.9
 lat: 45.613N lon: 18.079E h= 6.9 km
 erh= 5.3km erz=16.6km
 nr= 8 gap=329 rms=0.35
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	33.5	24	Pg	19:57:19.61			0.23
			Sg		57:23.75		-0.39
KOVH	52.9	2	Pg	19:57:23.21			0.42
			Sg		57:29.40		-0.82
PKSM	79.6	33	Pg	19:57:27.28			-0.26
			Sg		57:38.75		0.08
MORH	80.1	33	Pg	19:57:27.48			-0.15
			Sg		57:39.26		0.43

673.

2023-06-06 time: 1:19:55.94 UTC ML= 0.7
 lat: 45.704N lon: 18.021E h= 11.6 km
 erh= 3.2km erz= 3.7km
 nr= 9 gap=171 rms=0.30
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	27.3	41	Pg	1:20:00.88			-0.35
			Sg		20:04.84		-0.52
KOVH	43.2	8	Pg	1:20:04.16			0.24
			Sg		20:10.30		0.16
PKSM	74.2	40	Pg	1:20:09.64			0.30
			Sg		20:19.42		-0.37
MORH	74.6	40	Pg	1:20:09.68			0.26
			Sg		20:19.93		-0.01
BLY	124.9	212	Sn	1:20:33.27			-0.26

674.

2023-06-06 time: 2:14:52.63 UTC ML= 3.2
 lat: 45.652N lon: 18.149E h= 5.7 km
 erh= 2.1km erz= 1.6km
 nr= 62 gap=100 rms=0.94
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	27.5	17	PgD	2:14:57.89			0.25
KOVH	48.7	356	Pg	2:15:01.54			0.16
			Sg		15:09.00		0.80
PKSM	73.0	32	Pg	2:15:05.31			-0.40
			Sg		15:15.37		-0.54
MORH	73.5	32	Pg	2:15:05.23			-0.57
PKB4	100.3	21	Pg	2:15:10.33			-0.23
R93E	102.7	254	Pg	2:15:10.48			-0.52
PKS9	104.4	6	Pg	2:15:12.07			0.76
			Sg		15:24.48		-1.39
ROB0	106.8	117	Pg	2:15:11.23			-0.50
PKB5	114.2	23	Pg	2:15:13.57			0.52
PKB3	118.0	43	Pn	2:15:14.00			0.35
PKS2	124.5	41	Pn	2:15:15.23			0.77
BLY	125.8	217	Pn	2:15:14.75			0.13
			Sn		15:29.54		-2.23
PKB1	135.3	22	Pn	2:15:16.41			0.60
			Sn		15:32.99		-0.90
BEHE	139.9	311	Pn	2:15:16.14			-0.24
			Sn		15:35.11		0.21
TIH	140.1	352	Pn	2:15:15.91			-0.50
			Sn		15:33.08		-1.88
PKS6	151.9	46	Pn	2:15:19.04			1.16
R971	167.7	277	Pn	2:15:19.32			-0.53
ZAG	168.8	277	Pn	2:15:22.36			2.37
			Sn		15:40.31		-1.02

PTJ	172.6	279	Pn	2:15:22.27			1.81
			Sn		15:43.54		1.37
PKS7	173.6	27	Pn	2:15:20.11			-0.47
MPLH	175.2	344	Pn	2:15:20.92			0.14
			Sn		15:41.10		-1.63
PKST	178.9	357	Pn	2:15:21.03			-0.21
			Sn		15:45.63		2.07
RCF6	185.7	294	Pn	2:15:21.07			-1.03
			Sn		15:47.50		2.42
CSKK	190.4	3	Pn	2:15:22.40			-0.28
			Sn		15:44.80		-1.32
PKSN	191.6	44	Pn	2:15:25.66			2.83
			Sn		15:49.97		3.59
PKSG	194.3	5	Pn	2:15:22.68			-0.49
EGYH	206.0	342	Pn	2:15:26.10			1.48
			Sn		15:49.54		-0.04
BUD	214.4	18	Pn	2:15:29.20			3.53
LEGS	222.6	279	iPn	2:15:25.66			-1.03
GROS	223.7	294	Pn	2:15:25.89			-0.94
SF5A	229.6	24	Pn	2:15:27.34			-0.22
SRO	240.6	3	Pn	2:15:29.17			0.23
PDKS	248.9	281	iPn	2:15:28.99			-0.98
PENC	253.0	20	Pn	2:15:29.60			-0.89
SOP	256.5	332	Pn	2:15:30.93			0.01
			Sn		15:59.15		-1.65
PERS	258.5	295	Pn	2:15:30.75			-0.42
SOKA	266.3	295	Pn	2:15:31.28			-0.86
RONA	268.2	328	Pn	2:15:32.47			0.10
ARSA	268.8	311	Pn	2:15:32.25			-0.21
BZS	270.4	91	Pn	2:15:32.00			-0.66
LJU	284.7	279	iPn	2:15:33.87			-0.56
			eSn		16:03.83		-3.20*
PSZ	285.1	28	Pn	2:15:33.32			-1.16
ZST	293.9	344	Pn	2:15:35.47			-0.11
OBKA	294.3	289	Pn	2:15:34.96			-0.67
			Sn		16:09.32		0.14*
CONA	307.5	325	Pn	2:15:37.41			0.13*
			Sn		16:11.52		-0.58*
MODS	309.8	348	Pn	2:15:37.41			-0.15*
			Sn		16:09.59		-3.02*
SURR	309.9	88	Pn	2:15:36.99			-0.58*
WINA	315.5	330	Pn	2:15:38.48			0.20*
			Sn		16:10.84		-3.04*
			Pn	2:15:38.96			-0.23*
SMOL	322.8	350	iPn	2:15:40.11			-0.44*
VOJS	333.7	277	Pn	2:16:18.74			-0.95*
TRI	341.7	271	Sn	2:16:18.32			-2.79*
CADS	348.1	281	iSn	2:15:43.97			0.34*
JAVC	358.4	354	Pn	2:15:43.97			-0.74*
			Sn		16:22.67		-0.90*
KECS	361.4	29	ePn	2:15:43.10			-0.36*
MYKA	364.8	287	Pn	2:15:44.07			-0.89*
			Sn		16:23.94		-0.66*
DRGR	374.1	70	Pn	2:15:44.93			0.40*
MOA	384.3	309	Pn	2:15:47.26			-1.23*
			Sn		16:27.93		-0.03*
ABNA	393.7	328	Pn	2:15:48.00			-2.17*
			Sn		16:29.08		0.60*
LANS	401.5	14	ePn	2:15:49.60			-0.95*
KBA	402.3	293	Pn	2:15:48.14			-1.95*
			Sn		16:31.19		0.29*
BIOA	413.0	303	Pn	2:15:50.72			-0.93*
			Sn		16:34.58		-0.61*
ABTA	451.8	286	Pn	2:15:54.66			-2.23*
			Sn		16:41.90		-0.60*
TREC	452.0	334	ePn	2:15:54.70			-3.88*
			eSn		16:40.30		0.22*
MORC	460.9	354	Pn	2:15:56.62			-2.25*
			Sn		16:43.90		0.05*
LESA	463.7	295	Pn	2:15:56.80			-0.47*
			Sn		16:46.30		-2.75*
OKC	465.4	360	eSn	2:16:44.40			1.53*
STHS	479.1	29	ePn	2:16:00.20			-0.44*
ZVC	515.7	325	ePn	2:16:02.80			-4.12*
			eSn		16:54.20		0.23*
KHC	518.4	318	ePn	2:16:03.80			

Földrengés paraméterek

Hypocenter Parameters

eSn 16:56.30 -2.61*
 WTTA 531.4 290 Pn 2:16:04.37 -0.83*
 Sn 17:01.29 -0.52*
 WATA 538.2 290 Pn 2:16:04.41 -1.63*
 Sn 17:02.52 -0.79*
 FETA 591.2 285 Sn 2:17:14.59 -0.48*
 DAVA 660.6 286 Pn 2:16:20.97 -0.33*
 NKC 664.0 320 ePn 2:16:22.80 1.07*

675.

2023-06-06 time: 6:00:14.47 UTC ML= 1.6
 lat: 48.421N lon: 17.278E h= 0.0 km
 erh= 2.4km erz= 692km
 nr= 9 gap=133 rms=0.58
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	5.3	181	PgU	6:00	15.79	0.38	
			Sg	00:16	57	0.42	
SMOL	15.2	47	Pg	6:00	17.16	-0.02	
			Sg	00:19	23	-0.07	
ZST	28.2	207	Sg	6:00	22.80	-0.64	
JAVC	56.7	31	Pg	6:00	25.26	0.67	
			Sg	00:31	48	-1.00	
KRUC	96.4	318	Pg	6:00	31.68	-0.01	
			Sg	00:43	30	-1.81	

676.

2023-06-06 time: 7:59:20.43 UTC ML= 1.6
 lat: 48.793N lon: 20.823E h= 0.0 km
 erh= 4.1km erz= ***km
 nr= 8 gap=127 rms=0.87
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	42.5	216	Pg	7:59	28.96	0.94	
			Sg	59:32	96	-0.97	
ABAH	63.3	151	Pg	7:59	32.55	0.82	
			Sg	59:39	52	-1.02	
STHS	75.8	24	Sg	7:59	44.11	-0.43	
NIE	78.9	332	Sg	7:59	44.97	-0.54	
PSZ	119.1	215	Pg	7:59	42.10	0.40	
			Sg	59:56	66	-1.64	

677.

2023-06-06 time: 9:59:58.96 UTC ML= 1.7
 lat: 48.147N lon: 16.881E h= 0.0 km
 erh= 2.9km erz= 3.7km
 nr= 14 gap=150 rms=0.96
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	17.4	72	Pg	10:00	01.94	-0.12	
			Sg	00:03	19	-1.29	
MODS	38.8	49	Pg	10:00	05.42	-0.46	
			Sg	00:10	35	-0.93	
RONA	66.2	221	Pg	10:00	11.10	0.33	
			Sg	00:19	55	-0.44	
CONA	79.8	252	Sg	10:00	24.75	0.44	
JAVC	98.4	36	Pg	10:00	18.57	2.04	
KRUC	107.8	341	Pg	10:00	18.96	0.75	
			Sg	00:33	67	0.43	
VRAC	130.9	351	Pn	10:00	21.52	-0.79	
			Sn	00:39	05	-1.47	
ARSA	142.5	226	Pn	10:00	24.65	0.89	
			Sn	00:41	16	-1.95	

678.

2023-06-06 time: 10:10:32.28 UTC ML= 1.7
 lat: 47.848N lon: 19.005E h= 0.0 km
 erh= 4.6km erz= 4.7km
 nr= 16 gap=123 rms=1.44
 Locality: Szokolya
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	21.7	107	Pg	10:10	37.51	1.36	
			Sg	10:38	68	-0.48	
BUD	40.6	178	Sg	10:10	43.02	-2.15	
SRO	52.0	266	Sg	10:10	50.38	1.59	
PSZ	67.0	83	Pg	10:10	44.82	0.59	
			Sg	10:52	14	-1.42	
PKSG	68.6	222	Sg	10:10	52.57	-1.52	
CSKK	77.8	226	Sg	10:10	56.39	-0.60	
PKST	98.2	228	Sg	10:11	02.19	-1.29	
KECS	130.8	57	Pn	10:10	55.92	0.30	
			Sn	11:11	42	-2.41	
MPLH	133.7	236	Sn	10:11	12.53	-1.94	
MODS	141.3	294	Sn	10:11	16.27	0.11	
MORH	183.6	189	Pn	10:11	04.53	2.33	
			Sn	11:28	17	2.64	
PKSM	184.0	189	Sn	10:11	27.07	1.43	

679.

2023-06-06 time: 12:08:12.96 UTC ML= 1.4
 lat: 47.863N lon: 16.044E h= 0.0 km
 erh= 4.2km erz= 7.6km
 nr= 9 gap= 88 rms=1.17
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.4	298	Pg	12:08	16.92	1.20	
			Sg	08:19	11	1.24	
RONA	26.2	134	Pg	12:08	18.64	0.99	
			Sg	08:22	39	1.09	
ARSA	78.6	210	Pg	12:08	26.62	-0.38	
			Sg	08:36	80	-1.15	
MODS	107.9	58	Sg	12:08	45.40	-1.87	
KRUC	135.8	11	Pn	12:08	36.42	-0.51	
			Sn	08:53	24	-2.38	

680.

2023-06-06 time: 12:12:25.95 UTC ML= 1.7
 lat: 47.329N lon: 18.424E h= 0.0 km
 erh= 1.6km erz= 3.4km
 nr= 13 gap=113 rms=0.57
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.5	340	Pg	12:12	27.16	-0.12	
			Sg	12:27	76	-0.56	
CSKK	12.9	287	Pg	12:12	28.66	0.40	
			Sg	12:30	21	0.15	
PKST	30.5	255	Pg	12:12	32.05	0.66	
			Sg	12:34	91	-0.72	
PKS9	83.2	188	Sg	12:12	52.34	-0.05	
MORH	124.9	172	Sg	12:13	05.33	-0.31	
PKSM	125.3	172	Sg	12:13	05.09	-0.68	
PSZ	128.5	59	Pg	12:12	49.68	0.78	
			Sg	13:05	96	-0.85	
KOVH	140.1	190	Sn	12:13	09.56	0.00	
MODS	144.4	324	Sn	12:13	08.46	-2.07	

Hypocenter Parameters

Földregés paraméterek

681.

2023-06-06 time: 14:55:50.85 UTC ML= 1.4
 lat: 47.296N lon: 16.335E h= 0.0 km
 erh= 2.7km erz= 4.5km
 nr= 14 gap=133 rms=1.00
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	45.0	356	Pg	14:55:58.69			-0.19
			Sg		56:03.70		-1.44
SOP	46.2	21	Pg	14:55:59.96			0.86
			Sg		56:05.09		-0.45
ARSA	61.6	265	Pg	14:56:02.66			0.80
			Sg		56:08.72		-1.72
CONA	78.8	333	Pg	14:56:06.36			1.44
			Sg		56:16.22		0.33
MPLH	92.3	99	Pg	14:56:07.93			0.60
			Sg		56:18.73		-1.45
PERS	118.3	232	Pg	14:56:11.97			0.00
SOKA	120.6	235	Pg	14:56:12.62			0.24
MODS	139.0	30	Sn	14:56:31.73			-2.50
KRUC	196.4	1	Sn	14:56:45.62			-1.34

682.

2023-06-06 time: 17:26:52.31 UTC ML= 5.1
 lat: 46.089N lon: 21.498E h= 12.8 km
 erh= 1.7km erz= 2.1km
 nr= 96 gap= 34 rms=0.77
 Locality: Romania
 Comments: felt 6-7 MIS/IIS

sta	dist	azm	phase	hr	mn	sec	res
TIM	44.6	209	Pg	17:27:00.71			0.11
			Sg		27:08.24		1.18
BZS	53.2	170	Pg	17:27:01.67			-0.41
			Sg		27:08.84		-0.87
SURR	61.2	127	Pg	17:27:02.51			-0.96
			Sg		27:11.55		-0.62
BANR	83.4	200	Pg	17:27:07.20			-0.17
			Sg		27:19.95		0.83
DEV	111.2	102	Pn	17:27:10.35			-1.23
			Sn		27:24.07		-2.54
DRGR	121.7	50	Pn	17:27:12.21			-0.67
			Sn		27:27.26		-1.66
GZR	126.0	128	Pn	17:27:13.52			0.10
			Sn		27:29.19		-0.69
LTVH	147.4	12	Pn	17:27:16.01			-0.07
			Sn		27:33.88		-0.75
PKSN	154.1	306	Pn	17:27:16.74			-0.19
			Sn		27:35.83		-0.30
PKS6	159.3	291	Pn	17:27:19.89			2.31
			Sn		27:40.16		2.87
BSZH	164.3	325	Pn	17:27:18.34			0.14
			Sn		27:37.72		-0.67
CJR	175.8	67	Pn	17:27:21.63			2.00
			Sn		27:40.81		-0.13
DJES	180.7	154	Pn	17:27:22.01			1.78
			Sn		27:46.29		4.09*
PKB3	181.5	282	Pn	17:27:19.83			-0.51
			Sn		27:46.29		4.04*
PKS2	181.7	284	Pn	17:27:20.38			0.02
			Sn		27:46.29		4.04*
ROB0	192.5	240	Pn	17:27:21.84			0.13
PKS7	208.5	301	Pn	17:27:23.44			-0.27
			Sn		27:54.25		6.05*
PKB5	220.0	285	Pn	17:27:29.92			4.78*
MORH	220.9	274	Pn	17:27:29.70			4.44*
PKSM	221.1	274	Pn	17:27:24.77			-0.51
PKB1	221.9	290	Pn	17:27:25.31			-0.07
			Sn		27:57.99		6.82*
SF5A	227.2	315	Pn	17:27:26.29			0.25
PKB4	227.6	281	Pn	17:27:26.07			-0.02
BMR	232.9	41	Pn	17:27:26.72			-0.03

PSZ	237.2	329	Pn	17:27:26.99			-0.29
TRPA	240.4	19	Pn	17:27:26.99			-0.69
PBUD	243.9	309	Pn	17:27:27.91			-0.21
BUD	244.4	309	Pn	17:27:27.59			-0.60
			Sn		27:56.04		-0.14
ABAH	246.2	355	Pn	17:27:27.86			-0.55
PKSV	252.5	265	Pn	17:27:28.84			-0.35
PENC	253.5	318	Pn	17:27:29.43			0.11
KECS	277.0	344	Pn	17:27:32.41			0.16
			Sn		28:00.91		-2.50
PKSG	278.2	301	Pn	17:27:32.09			-0.31
CSKK	285.2	300	Pn	17:27:33.17			-0.10
VOIR	285.6	105	Pn	17:27:34.62			1.30
TIH	291.1	288	Pn	17:27:34.15			0.14
PKST	295.3	296	Pn	17:27:34.58			0.05
SRO	309.1	308	Pn	17:27:36.86			0.61
			Sn		28:09.48		-1.05
KOLS	321.6	10	Pn	17:27:38.27			0.46
MPLH	326.1	292	Pn	17:27:38.48			0.11
EGYH	350.9	295	Pn	17:27:42.93			1.46
MLR	352.1	101	Pn	17:27:42.81			1.20
BEHE	366.5	277	Pn	17:27:43.47			0.07
STHS	370.5	357	Pn	17:27:44.88			0.97
LANS	373.1	336	Pn	17:27:45.53			1.30
NIE	380.8	347	Pn	17:27:46.22			1.03
KWP	404.2	13	Pn	17:27:49.43			1.32
ZST	407.5	305	Pn	17:27:47.74			-0.78
MODS	408.3	308	Pn	17:27:48.07			-0.55
SMOL	409.2	311	Pn	17:27:48.46			-0.27
			Sn		28:32.47		-0.27
SOP	416.2	295	Pn	17:27:49.76			0.16
			Sn		28:33.22		-1.07
JAVC	422.1	317	Pn	17:27:50.13			-0.21
RCF6	428.3	274	Pn	17:27:50.23			-0.88
RONA	435.0	294	ePn	17:27:51.75			-0.20
GOLS	454.7	269	ePn	17:27:53.84			-0.56
GROS	464.1	275	Pn	17:27:54.68			-0.89
WINA	469.1	299	Pn	17:27:55.73			-0.46
CONA	474.9	296	Pn	17:27:56.52			-0.41
ARSA	475.1	286	Pn	17:27:56.69			-0.26
			Sn		28:46.40		-0.98
OJC	476.4	345	Pn	17:27:57.89			0.78
PERS	494.9	277	Pn	17:27:58.91			-0.50
SOKA	501.7	278	Pn	17:27:59.54			-0.72
MORC	505.5	324	Pn	17:28:00.92			0.18
OBKA	537.5	275	Pn	17:28:04.06			-0.67
ABNA	540.5	302	Pn	17:28:04.66			-0.45
GORS	579.3	273	iPn	17:28:09.35			-0.59
MOA	584.2	290	Pn	17:28:10.82			0.27
CADS	599.7	271	iPn	17:28:11.87			-0.62
BIOA	625.0	287	Pn	17:28:16.08			0.44
KBA	634.6	280	Pn	17:28:17.03			0.20
ZVC	662.4	304	ePn	17:28:19.50			-0.80
LESA	690.1	282	Pn	17:28:24.76			1.00
WTTA	765.8	280	Pn	17:28:33.88			0.68
WATA	771.3	280	Pn	17:28:34.62			0.74
SQTA	797.6	279	Pn	17:28:37.87			0.71
FETA	832.3	277	Pn	17:28:42.28			0.79
RETA	834.4	281	Pn	17:28:41.96			0.21
DAVA	898.7	279	Pn	17:28:49.87			0.10

683.

2023-06-06 time: 18:01:59.29 UTC ML= 2.3
 lat: 46.121N lon: 21.590E h= 10.0 km
 erh= 5.2km erz= 6.5km
 nr= 6 gap=231 rms=0.70
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	56.1	178	Pg	18:02:09.74			0.27
			Sg		02:16.67		-0.74
SURR	58.2	135	Pg	18:02:10.13			0.30
			Sg		02:17.33		-0.72

Földrengés paraméterek

Hypocenter Parameters

DRGR 113.9 49 Pn 18:02:19.99 0.75
Sn 02:33.22 -1.59

684.

2023-06-06 time: 18:02:32.75 UTC ML= 2.4
lat: 46.071N lon: 21.600E h= 13.0 km
erh= 1.5km erz= 1.5km
nr= 10 gap=189 rms=0.28
Locality: Romania
Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	47.4	218	Pg	18:02:41.34	-0.19
			Sg	02:48.33	-0.04
BZS	50.5	178	Pg	18:02:42.19	0.12
			Sg	02:48.93	-0.41
SURR	53.9	131	Pg	18:02:43.09	0.44
			Sg	02:50.25	-0.12
BANR	84.6	205	Sg	18:03:00.11	0.14
DRGR	117.1	47	Pn	18:02:52.77	0.05
			Sn	03:06.18	-2.12*
GZR	118.6	129	Sn	18:03:08.37	-0.27

685.

2023-06-06 time: 18:04:08.49 UTC ML= 3.0
lat: 46.083N lon: 21.563E h= 14.0 km
erh= 2.0km erz= 2.2km
nr= 35 gap= 59 rms=0.82
Locality: Romania
Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	46.7	215	Pg	18:04:17.61	0.41
			Sg	04:24.39	0.40
BZS	52.0	175	Pg	18:04:17.55	-0.55
			Sg	04:25.87	0.28
SURR	56.9	130	Pg	18:04:18.42	-0.52
			Sg	04:26.51	-0.59
BANR	84.6	203	P*	18:04:24.23	0.43
			S*	04:37.02	1.28
DEV	106.2	102	Pn	18:04:26.55	-0.42
R1E1	112.9	13	Sn	18:04:41.11	-1.76
DRGR	118.3	48	Pn	18:04:28.56	0.08
			Sn	04:41.86	-2.22
GZR	121.6	129	Pn	18:04:29.05	0.15
			Sn	04:44.51	-0.31
LTVH	147.0	10	Pn	18:04:32.64	0.58
			Sn	04:51.57	1.11
PKSN	158.6	305	Pn	18:04:33.68	0.18
			Sn	04:51.74	-1.28
PKS6	164.2	290	Pn	18:04:34.17	-0.04
			Sn	04:54.23	-0.05
BSZH	167.7	324	Sn	18:04:58.37	3.32
CJR	171.5	66	Pn	18:04:37.51	2.39
			Sn	04:57.72	1.83
PKB3	186.5	282	Pn	18:04:36.91	-0.08
			Sn	04:58.06	-1.16
PKS2	186.7	284	Pn	18:04:37.10	0.09
			Sn	04:58.87	-0.39
PKS7	213.1	300	Pn	18:04:39.99	-0.31
			Sn	05:10.47	5.35*
MORH	226.0	274	Pn	18:04:41.30	-0.61
PKB1	226.8	290	Pn	18:04:41.63	-0.38
PSZ	240.3	328	Pn	18:04:43.40	-0.29
PENC	257.3	318	Pn	18:04:45.82	0.00
PKS9	259.0	282	Pn	18:04:45.82	-0.21
KECS	279.0	343	Pn	18:04:49.02	0.50
			Sn	05:17.20	-2.55
PKST	300.0	296	Pn	18:04:51.11	-0.03*
SRO	313.4	308	ePn	18:04:53.30	0.49*
			eSn	05:25.10	-2.28*
KOLS	321.4	10	Pn	18:04:54.25	0.44*
STHS	371.5	356	ePn	18:05:05.00	4.95*

sta	dist	azm	phase	hr mn sec	res
LANS	375.7	335	eSn	05:44.50	4.23*
MODS	412.6	308	ePn	18:05:39.70	-1.51*
			eSn	18:05:05.10	-0.07*
			eSn	05:45.80	-3.59*
RONA	439.8	294	Pn	18:05:08.09	-0.48*
			Sn	05:51.54	-3.89*
WINA	473.7	298	Pn	18:05:12.32	-0.48*
			Sn	05:58.50	-4.46*
CONA	479.7	295	Pn	18:05:13.49	-0.05*
			Sn	05:59.84	-4.45*
ARSA	480.1	286	Pn	18:05:13.61	0.01*
			Sn	06:00.68	-3.70*
SOKA	506.7	278	Pn	18:05:17.09	0.17*
			Sn	06:06.64	-3.65*
MORC	508.9	324	Pn	18:05:17.37	0.18*
			Sn	06:08.89	-1.88*
ABNA	545.1	302	Sn	18:06:14.66	-4.14*
MOA	589.1	289	Sn	18:06:27.57	-0.99*

686.

2023-06-06 time: 18:44:21.73 UTC ML= 1.9
lat: 46.090N lon: 21.560E h= 16.0 km
erh= 0.4km erz= 0.4km
nr= 8 gap=195 rms=0.05
Locality: Romania
Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	47.3	214	Pg	18:44:30.67	0.01
BZS	52.8	175	Pg	18:44:31.57	-0.02
			Sg	44:39.24	-0.04
SURR	57.6	131	Pg	18:44:32.43	0.03
			Sg	44:40.73	0.00
DRGR	117.9	49	Pn	18:44:41.43	0.01
			Sn	44:56.14	-0.63*
GZR	122.3	129	Sn	18:44:57.79	0.03

687.

2023-06-06 time: 20:05:48.42 UTC ML= 1.4
lat: 46.107N lon: 21.562E h= 10.0 km
erh= 4.5km erz= 6.3km
nr= 8 gap=111 rms=0.65
Locality: Romania
Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	48.9	213	Sg	20:06:03.81	-0.47
BZS	54.6	176	Pg	20:05:58.53	0.20
			Sg	06:05.46	-0.61
SURR	58.7	132	Pg	20:05:59.71	0.66
			Sg	06:06.71	-0.63
DRGR	116.6	49	Pn	20:06:09.26	0.55
			Sn	06:22.67	-1.87
BSZH	165.5	323	Sn	20:06:35.35	-0.04

688.

2023-06-06 time: 20:56:15.10 UTC ML= 2.0
lat: 46.105N lon: 21.604E h= 11.1 km
erh= 2.5km erz= 2.7km
nr= 13 gap= 88 rms=0.51
Locality: Romania
Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	50.6	216	Pg	20:56:23.79	-0.56
			Sg	56:31.38	-0.19
BZS	54.3	179	Pg	20:56:24.88	-0.12
			Sg	56:33.10	0.37
SURR	56.2	134	Pg	20:56:25.90	0.57
			Sg	56:33.47	0.16
DEV	103.7	104	P*	20:56:33.26	-0.31
DRGR	114.3	48	Pn	20:56:35.39	0.43

Hypocenter Parameters

		Sn	56:49.33	-1.12
GZR	120.8 131	Sn	20:56:51.48	-0.42
LTVH	144.0 9	Sn	20:56:57.31	0.26
PKSN	159.7 303	Sn	20:57:01.55	1.01
CJR	167.6 66	Sn	20:57:04.94	2.66*

689.

2023-06-07 time: 0:56:48.17 UTC ML= 2.1
 lat: 46.078N lon: 21.593E h= 10.0 km
 erh= 3.7km erz= 4.0km
 nr= 17 gap= 64 rms=0.93
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	47.7	217	Pg	0:56:57.03	0.16
			Sg	57:03.80	0.14
BZS	51.3	178	PgU	0:56:57.67	0.17
			Sg	57:04.20	-0.58
SURR	54.7	131	Pg	0:56:58.56	0.45
			Sg	57:05.45	-0.40
DEV	103.8	102	P*	0:57:06.09	-0.68
DRGR	117.0	47	Pn	0:57:08.26	-0.25
			Sn	57:21.33	-3.04
GZR	119.5	130	Sn	0:57:23.84	-1.09
LTVH	147.2	9	Pn	0:57:12.26	-0.02
			Sn	57:29.47	-1.61
PKS6	166.6	290	Sn	0:57:34.89	-0.51
BSZH	169.5	323	Sn	0:57:38.56	2.52
CJR	169.6	65	Pn	0:57:17.02	1.95
			Sn	57:37.84	1.78
PKB3	188.9	282	Sn	0:57:40.97	0.62

690.

2023-06-07 time: 3:15:38.68 UTC ML= 1.5
 lat: 46.129N lon: 21.608E h= 10.0 km
 erh= 3.2km erz= 4.4km
 nr= 7 gap=195 rms=0.64
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	53.0	214	Pg	3:15:48.36	0.06
BZS	57.0	179	Pg	3:15:48.93	-0.08
			Sg	15:55.74	-1.33
SURR	57.9	136	Pg	3:15:49.87	0.70
			Sg	15:56.92	-0.43
DRGR	112.3	49	Pn	3:15:59.05	0.61
			Sn	16:12.73	-1.12

691.

2023-06-07 time: 5:57:57.69 UTC ML= 2.9
 lat: 46.074N lon: 21.590E h= 14.0 km
 erh= 2.7km erz= 2.6km
 nr= 29 gap= 53 rms=1.04
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	47.2	217	Pg	5:58:06.13	-0.35
			Sg	58:13.35	0.02
BZS	50.9	178	PgU	5:58:06.99	-0.12
			Sg	58:14.73	0.27
SURR	54.7	131	Pg	5:58:07.80	0.03
			Sg	58:15.44	-0.19
BANR	84.6	205	P*	5:58:13.20	0.20
			S*	58:24.33	-0.61
DEV	104.0	102	Sn	5:58:28.86	-1.25
DRGR	117.4	47	Pn	5:58:17.76	0.18
			Sn	58:30.97	-2.12
GZR	119.4	129	Pn	5:58:18.37	0.54
			Sn	58:32.92	-0.61

Földrengés paraméterek

LTVH	147.6 9	Pn	5:58:21.53	0.19
		Sn	58:38.56	-1.23
PKSN	160.8 305	Sn	5:58:43.93	1.21
PKS6	166.5 291	Pn	5:58:22.85	-0.85
		Sn	58:45.65	1.66
CJR	170.0 65	Pn	5:58:26.67	2.53
		Sn	58:47.58	2.81
PKB3	188.7 282	Sn	5:58:51.57	2.65
MORH	228.1 274	Pn	5:58:30.09	-1.29
PKSM	228.3 274	Pn	5:58:35.10	3.70
PKB4	234.8 282	Pn	5:58:31.39	-0.83
PSZ	242.2 328	Pn	5:58:32.28	-0.86
		Sn	58:56.46	-4.32*
PENC	259.4 317	Pn	5:58:34.42	-0.86
KOVH	270.0 270	Pn	5:58:35.25	-1.35
KECS	280.6 343	Pn	5:58:37.96	0.04
PKST	302.3 296	Pn	5:58:39.84	-0.79*
SRO	315.6 308	ePn	5:58:43.60	1.31*
KOLS	322.0 9	Pn	5:58:42.76	-0.33*
STHS	372.6 356	ePn	5:58:50.50	1.11*
MODS	414.8 308	ePn	5:58:53.80	-0.85*
		eSn	59:34.20	-4.89*

692.

2023-06-07 time: 6:27:36.02 UTC ML= 2.5
 lat: 46.073N lon: 21.594E h= 11.7 km
 erh= 1.7km erz= 1.8km
 nr= 17 gap= 82 rms=0.42
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	47.3	218	Pg	6:27:44.82	0.09
			Sg	27:50.96	-0.56
BZS	50.8	178	Pg	6:27:45.29	-0.04
			Sg	27:52.39	-0.20
SURR	54.3	131	Pg	6:27:46.34	0.39
			Sg	27:53.27	-0.42
BANR	84.7	205	Pg	6:27:51.18	-0.11
			Sg	28:03.15	-0.05
DRGR	117.2	47	Pn	6:27:56.06	-0.12
			Sn	28:10.44	-1.47
GZR	119.1	129	Pn	6:27:56.84	0.43
			Sn	28:12.08	-0.24
LTVH	147.7	9	Pn	6:28:00.21	0.23
			Sn	28:17.32	-1.34
PKSN	161.2	305	Sn	6:28:22.29	0.63
PKS6	166.9 291	Sn	6:28:24.11	1.18	
KECS	280.7 343	ePn	6:28:16.40	-0.17	

693.

2023-06-07 time: 6:37:34.53 UTC ML= 1.0
 lat: 47.930N lon: 16.024E h= 13.9 km
 erh= 2.8km erz= 1.9km
 nr= 9 gap=129 rms=0.50
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
CONA	12.1	269	Pg	6:37:37.93	0.11
			Sg	37:40.35	-0.04
WINA	20.1	10	Pg	6:37:39.02	0.13
			Sg	37:42.10	-0.20
RONA	32.7	141	Pg	6:37:40.74	-0.13
			Sg	37:45.20	-0.62
ABNA	93.3	332	P*	6:37:51.21	0.03
			S*	38:02.78	-1.39
KRUC	128.9	12	Pn	6:37:56.86	1.00

Földrengés paraméterek

Hypocenter Parameters

694.

2023-06-07 time: 7:17:27.88 UTC ML= 1.5
 lat: 48.467N lon: 21.683E h= 0.0 km
 erh= 3.9km erz= 6.1km
 nr= 11 gap=129 rms=0.99
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	38.0	240	Pg	7:17:36.20	1.53
			Sg	17:38.99	-0.97
HOLU	52.2	83	Pg	7:17:38.55	1.34
			Sg	17:47.94	-1.44
KOLS	67.6	40	Pg	7:17:40.13	0.17
			Sg	17:47.94	-1.44
TRPA	73.7	121	Pg	7:17:41.07	0.02
			Sg	17:54.69	-1.35
KECS	88.6	271	Pg	7:17:43.56	-0.14
			Sg	17:54.69	-1.35
STZU	92.2	49	Pg	7:17:44.66	0.31
			Sg	17:56.18	-1.02
PSZ	146.3	245	Sn	7:18:11.13	-1.75

695.

2023-06-07 time: 7:23:38.46 UTC ML= 1.6
 lat: 48.550N lon: 19.399E h= 0.0 km
 erh= 4.5km erz= 5.7km
 nr= 11 gap=178 rms=0.95
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	66.9	4	Pg	7:23:50.78	0.37
			Sg	23:58.60	-1.13
PSZ	79.3	152	Pg	7:23:53.42	0.79
			Sg	24:02.91	-0.77
KECS	80.6	95	Pg	7:23:53.26	0.41
			Sg	24:03.44	-0.64
PENC	85.0	186	Sg	7:24:03.45	-2.01
			Pg	7:23:59.38	-0.06
NIE	117.5	35	Sg	24:14.24	-1.56
			Pn	7:24:04.53	1.69
ABAH	139.1	102	Pn	7:24:04.53	1.69
			Sn	24:21.75	-0.10

696.

2023-06-07 time: 7:29:37.82 UTC ML= 1.1
 lat: 48.072N lon: 20.732E h= 0.0 km
 erh= 3.3km erz= 699km
 nr= 6 gap=198 rms=0.45
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.2	57	Pg	7:29:46.24	0.36
			Sg	29:51.79	-0.38
KECS	49.2	338	Pg	7:29:46.76	0.16
			Sg	29:52.78	-0.68
PSZ	64.8	255	Pg	7:29:49.76	0.36
			Sg	29:57.56	-0.87

697.

2023-06-07 time: 8:15:24.36 UTC ML= 0.9
 lat: 47.255N lon: 18.223E h= 0.0 km
 erh= 3.1km erz= 384km
 nr= 6 gap=232 rms=0.22
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.3	13	Pg	8:15:26.76	0.20
			Sg	15:28.40	0.13
PKST	14.3	272	Pg	8:15:26.96	0.05

			Sg	15:28.64	-0.27
PKSG	19.8	40	Pg	8:15:27.89	0.00
			Sg	15:29.93	-0.71

698.

2023-06-07 time: 8:20:14.10 UTC ML= 1.5
 lat: 46.044N lon: 22.802E h= 0.0 km
 erh= 2.8km erz= 4.3km
 nr= 10 gap=117 rms=0.57
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.5	156	Pg	8:20:17.86	0.27
			Sg	20:20.21	-0.10
SURR	61.7	238	Pg	8:20:25.53	0.41
			Sg	20:32.89	-0.83
GZR	72.4	182	Pg	8:20:27.10	0.07
			Sg	20:36.01	-1.10
DRGR	83.4	355	Pg	8:20:29.20	0.21
			Sg	20:39.31	-1.29
VOIR	187.5	111	Pn	8:20:45.24	0.73
			Sn	21:07.70	-0.53

699.

2023-06-07 time: 9:06:58.51 UTC ML= 1.5
 lat: 48.584N lon: 20.777E h= 0.0 km
 erh= 5.3km erz= 7.6km
 nr= 8 gap=188 rms=0.99
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.3	242	Pg	9:07:03.46	0.61
			Sg	07:06.28	0.05
ABAH	46.9	133	Pg	9:07:07.46	0.57
			Sg	07:13.72	0.29
PSZ	98.9	221	Sg	9:07:27.88	-2.07
KOLS	116.7	71	Pg	9:07:20.13	0.78
			Sg	07:34.06	-1.54
TRPA	140.0	111	Sn	9:07:40.48	-1.64

700.

2023-06-07 time: 20:41:16.94 UTC ML= 1.2
 lat: 46.062N lon: 21.602E h= 13.5 km
 erh= 5.5km erz= 4.0km
 nr= 7 gap=228 rms=0.59
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	49.6	179	PgU	20:41:26.31	0.20
			Sg	41:32.82	-0.44
SURR	53.1	130	Pg	20:41:27.33	0.61
			Sg	41:33.90	-0.45
DRGR	117.6	46	Pn	20:41:37.00	0.08
			Sn	41:49.83	-2.68
GZR	117.9	129	Sn	20:41:52.43	-0.13

701.

2023-06-08 time: 2:31:29.90 UTC ML= 0.4
 lat: 47.306N lon: 18.301E h= 8.5 km
 erh= 0.3km erz= 0.3km
 nr= 5 gap=220 rms=0.15
 Locality: Söréd
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.0	334	Pg	2:31:31.70	-0.17
			Sg	31:33.29	-0.11

Hypocenter Parameters

PKSG 11.7 35 Pg 2:31:32.49 0.01
 Sg 31:34.72 0.23
 PKST 20.8 255 Sg 2:31:37.26 0.21

702.

2023-06-08 time: 5:47:40.38 UTC ML= 1.3
 lat: 48.436N lon: 17.269E h= 0.0 km
 erh= 1.3km erz= 341km
 nr= 9 gap=121 rms=0.26
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.0	175	PgU	5:47:41.47	-0.16
			Sg	47:42.76	0.16
SMOL	14.6	54	Pg	5:47:43.03	0.03
			Sg	47:45.17	0.13
JAVC	55.6	32	Pg	5:47:50.47	0.16
			Sg	47:56.63	-1.42
KRUC	94.7	317	Pg	5:47:57.47	0.17
RONA	109.4	222	Pg	5:48:00.11	0.20
CONA	118.9	242	Pg	5:48:01.14	-0.48

703.

2023-06-08 time: 8:13:22.08 UTC ML= 1.3
 lat: 45.889N lon: 18.404E h= 0.0 km
 erh= 2.0km erz= 332km
 nr= 9 gap=242 rms=0.25
 Locality: Villánykövesd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	11.8	269	Pg	8:13:24.02	-0.16
			Sg	13:25.90	0.08
KOVH	32.3	313	Pg	8:13:28.09	0.24
			Sg	13:32.47	0.13
PKSM	40.3	27	PgU	8:13:29.49	0.22
			Sg	13:34.74	-0.14
MORH	40.8	27	Pg	8:13:29.49	0.13
			Sg	13:34.90	-0.14
TIH	119.0	341	Pg	8:13:42.74	-0.59

704.

2023-06-08 time: 8:31:13.54 UTC ML= 1.8
 lat: 47.866N lon: 19.151E h= 0.0 km
 erh= 6.8km erz= ***km
 nr= 7 gap=188 rms=1.05
 Locality: Nótincs
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	12.9	131	Pg	8:31:16.98	1.14
			Sg	31:18.54	0.90
PSZ	55.9	84	Pg	8:31:23.91	0.39
			Sg	31:29.19	-2.12
PKSG	77.8	227	Sg	8:31:36.86	-1.40
KECS	120.7	55	Pg	8:31:35.29	0.20
			Sg	31:50.63	-1.26

705.

2023-06-08 time: 9:03:06.78 UTC ML= 1.6
 lat: 48.654N lon: 20.312E h= 0.0 km
 erh= 4.6km erz= ***km
 nr= 8 gap=120 rms=0.91
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	146	Pg	9:03:11.56	0.69
			Sg	03:13.17	-0.89

Földrengés paraméterek

ABAH 79.3 120 Pg 9:03:21.66 0.73
 Sg 03:30.85 -1.12
 LANS 83.0 312 Pg 9:03:21.95 0.36
 NIE 85.1 0 Sg 9:03:32.12 -1.69
 PSZ 87.5 201 Pg 9:03:23.02 0.62
 Sg 03:33.03 -1.55

706.

2023-06-08 time: 9:07:57.54 UTC ML= 1.0
 lat: 46.209N lon: 18.287E h= 0.0 km
 erh= 4.1km erz= 659km
 nr= 8 gap=221 rms=0.47
 Locality: Kisbattyán
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.7	227	Pg	9:08:00.67	-0.40
			Sg	08:03.65	-0.17
PKSM	27.3	89	Pg	9:08:02.55	0.13
			Sg	08:06.07	-0.16
MORH	27.6	88	Pg	9:08:02.47	0.01
			Sg	08:06.31	0.00
PKSV	35.8	184	Pg	9:08:04.90	0.97
			Sg	08:08.07	-0.84

707.

2023-06-08 time: 9:20:10.27 UTC ML= 1.0
 lat: 46.176N lon: 18.290E h= 0.0 km
 erh= 1.1km erz= 190km
 nr= 7 gap=204 rms=0.12
 Locality: Zobákpusztá
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.6	236	Pg	9:20:13.29	-0.13
			Sg	20:15.99	0.12
PKSM	27.4	82	Pg	9:20:15.32	0.15
			Sg	20:19.04	0.05
MORH	27.7	81	Pg	9:20:15.24	0.02
			Sg	20:18.80	-0.28
PKSV	32.1	185	Sg	9:20:20.45	-0.02

708.

2023-06-08 time: 9:25:16.52 UTC ML= 0.7
 lat: 47.237N lon: 18.262E h= 0.0 km
 erh= 3.2km erz= 419km
 nr= 6 gap=248 rms=0.25
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.0	360	Pg	9:25:19.35	0.34
			Sg	25:21.23	0.27
PKST	17.4	278	Pg	9:25:19.55	-0.08
			Sg	25:21.82	-0.23
PKSG	19.7	30	Pg	9:25:19.98	-0.06
			Sg	25:22.29	-0.50

709.

2023-06-08 time: 11:09:56.18 UTC ML= 1.4
 lat: 47.369N lon: 17.573E h= 0.0 km
 erh= 2.1km erz= 6.0km
 nr= 9 gap=161 rms=0.53
 Locality: Vanyola
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
EGYH	19.0	286	Sg	11:10:01.98	-0.23
			Pg	11:10:00.32	0.16
MPLH	22.3	187	Sg	10:03.10	-0.16

Földrengés paraméterek

Hypocenter Parameters

PKST 37.0 109 Pg 11:10:03.07 0.29
 Sg 10:07.38 -0.55
 CSKK 51.9 91 Pg 11:10:06.05 0.60
 Sg 10:11.76 -0.93
 PKSG 61.8 88 Pg 11:10:07.38 0.17
 KOVH 148.0 164 Sn 11:10:39.25 -2.29

710.

2023-06-09 time: 2:23:53.30 UTC ML= 1.8
 lat: 46.087N lon: 21.611E h= 13.6 km
 erh= 3.9km erz= 3.3km
 nr= 10 gap=110 rms=0.63
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	52.3	180	Pg	2:24:02.85	-0.10
			Sg	24:09.49	-0.99
SURR	54.4	133	Pg	2:24:03.68	0.37
			Sg	24:10.45	-0.67
DRGR	115.2	47	Pn	2:24:13.33	0.37
			Sn	24:26.69	-1.60
GZR	119.0	130	Pn	2:24:14.33	0.90
			Sn	24:29.27	0.13
LTVH	145.9	9	Sn	2:24:34.68	-0.43
PKS6	167.6	290	Sn	2:24:39.92	0.01

711.

2023-06-09 time: 3:08:45.76 UTC ML= 1.8
 lat: 46.123N lon: 21.519E h= 13.2 km
 erh= 4.9km erz= 4.5km
 nr= 9 gap=175 rms=0.69
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	56.8	172	Pg	3:08:56.74	0.57
			Sg	09:03.78	-0.51
SURR	62.3	131	Pg	3:08:57.60	0.46
			Sg	09:04.95	-1.07
BANR	87.6	200	Sg	3:09:13.06	-0.85
R1E1	109.3	15	Pn	3:09:04.41	-0.34
DRGR	117.9	51	Pn	3:09:06.67	0.85
			Sn	09:20.30	-1.16
GZR	127.1	130	Sn	3:09:23.93	0.44

712.

2023-06-09 time: 5:13:36.70 UTC ML= 1.4
 lat: 47.264N lon: 18.365E h= 0.0 km
 erh= 2.3km erz= 3.6km
 nr= 11 gap=112 rms=0.63
 Locality: Sárkeresztos
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.5	324	Pg	5:13:39.35	0.23
			Sg	13:40.13	-0.88
PKSG	14.3	8	Pg	5:13:39.63	0.37
			Sg	13:40.49	-0.76
PKST	25.0	269	Pg	5:13:41.54	0.37
			Sg	13:44.16	-0.50
MORH	118.5	170	Sg	5:14:14.18	-0.18
PKSM	118.9	170	Sg	5:14:14.33	-0.16
KOVH	132.3	189	Sn	5:14:18.17	-0.41
PSZ	136.1	58	Pn	5:14:01.73	1.02
			Sn	14:17.62	-1.81

713.

2023-06-09 time: 7:35:59.97 UTC ML= 1.8
 lat: 47.261N lon: 18.398E h= 0.0 km
 erh= 2.9km erz= 4.5km
 nr= 13 gap=114 rms=0.84
 Locality: Sárkeresztos
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	14.5	358	Pg	7:36:03.20	0.63
			Sg	36:04.11	-0.49
CSKK	15.4	317	Pg	7:36:02.74	0.02
			Sg	7:36:03.59	-1.28
PKST	27.5	270	Pg	7:36:05.12	0.23
			Sg	36:07.69	-1.03
TIH	55.5	224	Pg	7:36:11.40	1.51
MPLH	65.8	261	Pg	7:36:12.06	0.33
MORH	117.7	171	Sg	7:36:36.73	-0.65
PKSM	118.1	171	Sg	7:36:36.95	-0.56
KOVH	132.4	190	Sn	7:36:40.18	-1.69
PSZ	134.2	57	Pn	7:36:24.27	0.53
			Sn	36:40.86	-1.41

714.

2023-06-09 time: 9:02:11.23 UTC ML= 1.0
 lat: 48.589N lon: 20.799E h= 0.0 km
 erh= 3.4km erz= 957km
 nr= 6 gap=136 rms=0.55
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.0	243	Pg	9:02:16.05	0.19
			Sg	02:18.29	-1.19
ABAH	46.0	135	Pg	9:02:19.92	0.47
			Sg	02:25.11	-0.75
STHS	97.7	19	Sg	9:02:42.15	-0.12
PSZ	100.4	222	Sg	9:02:43.58	0.46

715.

2023-06-09 time: 11:02:01.60 UTC ML= 1.9
 lat: 48.787N lon: 21.647E h= 0.0 km
 erh= 1.7km erz= 3.0km
 nr= 15 gap= 93 rms=0.65
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	48.7	71	Pg	11:02:10.36	0.06
			Sg	02:16.07	-1.02
ABAH	62.4	209	Pg	11:02:13.14	0.40
			Sg	02:21.13	-0.30
STHS	76.0	337	Pg	11:02:15.81	0.64
			Sg	02:25.93	0.19
KECS	92.0	248	Pg	11:02:18.15	0.11
			Sg	02:30.20	-0.66
TRPA	98.4	138	Pg	11:02:20.11	0.93
			Sg	02:32.09	-0.80
NIE	120.1	306	Pg	11:02:23.01	-0.04
			Sg	02:36.47	-3.31*
PSZ	161.9	233	Pn	11:02:28.99	0.17
			Sn	02:49.23	-0.82
LANS	164.6	284	Sn	11:02:48.67	-1.99

Hypocenter Parameters

Földrengés paraméterek

716.

2023-06-09 time: 11:33:53.24 UTC ML= 1.4
 lat: 46.926N lon: 22.928E h= 0.0 km
 erh= 9.7km erz= 6.8km
 nr= 6 gap=196 rms=0.92
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	22.3	228	Pg	11:33:57.42	0.20
			Sg	34:00.05	-0.28
TRPA	137.0	348	Sn	11:34:35.37	-0.80
GZR	170.8	184	Pn	11:34:23.06	1.49
			Sn	34:41.80	-1.87
BZS	177.2	215	Sn	11:34:44.74	-0.36

717.

2023-06-10 time: 18:02:19.08 UTC ML= 1.7
 lat: 47.053N lon: 18.910E h= 13.4 km
 erh= 1.2km erz= 1.1km
 nr= 28 gap= 65 rms=0.59
 Locality: Râcálmás
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS7	19.0	92	PgD	18:02:23.30	0.06
			Sg	02:25.89	-0.59
PKB1	31.2	197	Pg	18:02:25.59	0.44
			Sg	02:29.45	-0.44
PKB5	52.7	195	Sg	18:02:36.18	-0.18
PKSG	54.5	314	Pg	18:02:29.56	0.46
			Sg	02:36.86	-0.05
CSKK	60.1	305	Sg	18:02:38.12	-0.53
PKB4	66.2	201	Pg	18:02:31.67	0.52
			Sg	02:40.15	-0.40
PKST	70.3	289	Sg	18:02:41.25	-0.57
PKS9	70.8	223	Pg	18:02:32.51	0.56
			Sg	02:41.55	-0.43
PKS6	70.9	135	Pg	18:02:32.40	0.42
PKB3	73.3	163	Sg	18:02:41.85	-0.91
TIH	79.3	258	Pg	18:02:33.93	0.49
			Sg	02:44.69	0.05
PENC	86.6	19	Sg	18:02:45.85	-1.09
MORH	95.3	192	P*	18:02:36.24	0.16
			S*	02:48.06	-1.27
PKSM	95.8	192	P*	18:02:36.58	0.43
			S*	02:48.30	-1.16
MPLH	104.9	277	Sn	18:02:51.18	-0.65
PSZ	121.4	38	Pn	18:02:40.30	0.75
			Sn	02:54.52	-0.99
KOVH	124.0	210	Pn	18:02:40.10	0.24
			Sn	02:55.03	-1.04
PKSV	139.0	201	Sn	18:03:01.28	1.87

718.

2023-06-11 time: 1:11:07.89 UTC ML= 0.6
 lat: 45.916N lon: 17.673E h= 16.6 km
 erh= 3.5km erz= 1.0km
 nr= 6 gap=326 rms=0.15
 Locality: Potony
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	38.2	60	Pg	1:11:15.24	-0.09
			Sg	11:21.14	0.00
PKSV	45.0	94	Pg	1:11:16.44	-0.02
PKSM	81.8	66	P*	1:11:22.63	0.10
			S*	11:33.71	-0.24
MORH	82.2	66	S*	1:11:34.44	0.39

719.

2023-06-11 time: 17:11:07.17 UTC ML= 1.2
 lat: 46.112N lon: 21.609E h= 10.0 km
 erh= 1.3km erz= 1.6km
 nr= 6 gap=229 rms=0.53
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	55.1	179	Pg	17:11:17.24	0.07
			Sg	11:24.09	-0.88
SURR	56.5	135	Pg	17:11:18.02	0.61
			Sg	11:25.14	-0.26
DRGR	113.5	48	Pn	17:11:27.35	0.28
			Sn	11:41.63	-0.97

720.

2023-06-11 time: 19:48:48.46 UTC ML= 1.4
 lat: 46.094N lon: 21.578E h= 14.1 km
 erh= 5.2km erz= 3.8km
 nr= 7 gap=232 rms=0.50
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	53.1	177	PgU	19:48:58.27	0.00
			Sg	49:05.06	-0.87
SURR	56.8	132	Pg	19:48:59.32	0.41
			Sg	49:06.78	-0.27
DRGR	116.6	48	Pn	19:49:08.49	0.26
			Sn	49:22.59	-1.07
GZR	121.5	130	Sn	19:49:25.35	0.61

721.

2023-06-12 time: 5:57:28.25 UTC ML= 1.6
 lat: 46.032N lon: 22.807E h= 0.0 km
 erh= 1.8km erz= 519km
 nr= 10 gap=161 rms=0.41
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.1	156	Pg	5:57:31.03	-0.46
			Sg	57:34.59	0.57
SURR	61.3	240	Pg	5:57:38.93	-0.27
			Sg	57:47.60	-0.14
GZR	71.0	182	Pg	5:57:40.94	0.00
			Sg	57:51.01	0.18
DRGR	84.8	355	Pg	5:57:43.73	0.34
			Sg	57:51.48	-3.72*
BZS	103.4	243	Pg	5:57:47.14	0.43
			Sg	58:00.61	-0.50

722.

2023-06-12 time: 7:54:18.24 UTC ML= 1.6
 lat: 48.066N lon: 19.610E h= 0.0 km
 erh= 4.5km erz= 947km
 nr= 6 gap=196 rms=0.55
 Locality: Nógrádmegyer
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	26.8	128	Pg	7:54:23.64	0.61
			Sg	54:26.22	-0.55
PENC	39.2	219	Pg	7:54:25.36	0.12
			Sg	54:30.29	-0.41
KECS	79.9	54	Pg	7:54:32.72	0.21
			Sg	54:42.19	-1.45

Földrengés paraméterek

Hypocenter Parameters

723.

2023-06-12 time: 10:01:12.83 UTC ML= 1.4
 lat: 47.578N lon: 16.340E h= 0.0 km
 erh= 1.2km erz= 412km
 nr= 10 gap=123 rms=0.33
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	14.0	347	PgU	10:01:15.52	0.19
			Sg	01:17.00	-0.27
SOP	20.2	54	Pg	10:01:16.50	0.06
			Sg	01:19.35	0.09
CONA	53.0	317	Pg	10:01:22.87	0.58
			Sg	01:28.82	-0.85
ARSA	71.5	239	Sg	10:01:35.51	-0.06
EGYH	76.9	103	Sg	10:01:36.88	-0.39
MPLH	101.3	117	Sg	10:01:44.86	-0.18
MODS	112.9	38	Pg	10:01:32.89	-0.10

724.

2023-06-12 time: 11:51:20.74 UTC ML= 0.8
 lat: 47.885N lon: 16.086E h= 0.0 km
 erh= 1.1km erz= 2.0km
 nr= 6 gap=133 rms=0.71
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.4	286	Pg	11:51:24.07	0.21
			Sg	51:26.66	0.37
RONA	26.0	143	Pg	11:51:25.87	0.49
			Sg	51:29.16	0.16
ARSA	82.3	211	Sg	11:51:46.14	-0.77
KRUC	132.8	10	Sn	11:52:00.64	-2.10

725.

2023-06-12 time: 12:07:36.15 UTC ML= 1.3
 lat: 48.331N lon: 19.869E h= 0.0 km
 erh= 7.2km erz= 846km
 nr= 6 gap=214 rms=0.49
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	45.9	178	Pg	12:07:45.08	0.72
			Sg	07:50.26	-0.49
KECS	48.7	70	Pg	12:07:44.75	-0.10
			Sg	07:51.13	-0.50
PENC	74.4	216	Sg	12:07:59.05	-0.74
ABAH	101.7	92	Pg	12:07:54.57	0.25

726.

2023-06-12 time: 19:34:20.90 UTC ML= 2.1
 lat: 47.363N lon: 18.566E h= 10.2 km
 erh= 1.1km erz= 1.0km
 nr= 49 gap= 69 rms=0.73
 Locality: Vértesacsa
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	13.6	284	PgU	19:34:23.43	-0.51
			Sg	34:25.39	-0.93
CSKK	23.1	270	PgU	19:34:25.05	-0.36
			Sg	34:28.33	-0.59
PBUD	35.6	71	Sg	19:34:33.05	0.38
BUD	37.1	69	Pg	19:34:26.75	-1.02
			Sg	34:33.30	0.17
PKST	41.8	254	Sg	19:34:33.69	-0.90
SRO	53.6	339	ePg	19:34:32.60	1.96

eSg	34:38.00	-0.23
PKS7	57.1 128	Sg 19:34:40.31 0.96
PKB1	66.6 165	Pg 19:34:33.06 0.13
		Sg 34:42.38 0.07
PENC	71.8 49	Pg 19:34:33.42 -0.44
TIH	72.5 225	Pg 19:34:33.56 -0.41
MPLH	80.6 255	Sg 19:34:46.37 -0.35
PKB5	86.3 171	Pg 19:34:37.23 0.80
		Sg 34:48.73 0.19
PKS9	89.0 194	Pg 19:34:37.69 0.79
		Sg 34:49.43 0.06
PKB4	96.4 178	Pg 19:34:38.58 0.37
		Sg 34:50.41 -1.30
PKS2	108.7 153	Pn 19:34:40.40 0.23
		Sn 34:54.21 -0.99
PKSN	111.5 118	Sn 19:34:55.52 -0.32
PKS6	113.9 138	Sn 19:34:56.08 -0.29
PKB3	114.9 155	Pn 19:34:41.31 0.36
		Sn 34:55.70 -0.89
PSZ	117.4 58	Pn 19:34:41.07 -0.19
		Sn 34:55.72 -1.43
MORH	127.7 177	Pn 19:34:43.00 0.46
		Sn 34:57.99 -1.43
PKSM	128.1 177	Pn 19:34:43.27 0.67
		Sn 34:58.52 -1.00
BSZH	128.8 93	Sn 19:35:01.16 1.49
ZST	143.6 310	ePn 19:34:45.00 0.47
		eSn 35:01.70 -1.25
KOVH	146.1 194	Pn 19:34:44.22 -0.62
		Sn 35:04.35 0.83
MODS	148.1 319	Pn 19:34:45.31 0.22
SMOL	153.6 326	ePn 19:34:46.80 1.02
		eSn 35:05.20 0.02
PKSV	165.7 188	Sn 19:35:10.13 2.27
RONA	175.0 282	Pn 19:34:48.37 -0.07
KECS	190.0 49	eSn 19:35:18.70 5.44*
WINA	204.5 294	Pn 19:34:52.07 -0.05
CONA	212.7 287	Pn 19:34:53.54 0.40
		Sn 35:19.63 1.33
KRUC	248.4 320	Pn 19:34:57.34 -0.26
ABNA	275.2 302	Pn 19:35:01.49 0.55

727.

2023-06-13 time: 7:16:33.90 UTC ML= 1.8
 lat: 46.759N lon: 22.844E h= 0.0 km
 erh= 8.5km erz= 5.8km
 nr= 8 gap=252 rms=0.85
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	10.8	290	Pg	7:16:35.55	-0.27
			Sg	16:38.02	0.71
SURR	124.7	206	Pg	7:16:56.61	0.44
			Sg	17:12.80	-0.75
GZR	151.9	182	Pn	7:17:01.03	1.16
			Sn	17:20.00	-0.13
BZS	158.4	217	Pn	7:16:58.94	-1.75
			Sn	17:21.86	0.28

728.

2023-06-13 time: 8:27:25.21 UTC ML= 1.7
 lat: 48.336N lon: 19.834E h= 0.0 km
 erh= 4.1km erz= ***km
 nr= 8 gap=169 rms=0.84
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	46.6	174	Pg	8:27:33.62	0.08
			Sg	27:39.75	-0.28
KECS	51.0	71	Pg	8:27:34.93	0.62
			Sg	27:41.75	0.34

Hypocenter Parameters

LANS 94.5 343 Sg 8:27:54.69 -0.55
 ABAH 104.4 92 Sg 8:27:56.78 -1.60
 NIE 125.5 16 Pg 8:27:48.57 0.96
 Sg 28:03.28 -1.81

729.

2023-06-13 time: 9:00:02.99 UTC ML= 1.8
 lat: 48.428N lon: 17.200E h= 7.2 km
 erh= 2.5km erz= 3.0km
 nr= 13 gap=124 rms=0.63
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	8.3	137	PgU	9:00:04.72	-0.24
			Sg	00:06.01	-0.49
SMOL	19.4	61	Pg	9:00:06.59	-0.10
			Sg	00:09.84	0.27
ZST	26.8	196	Pg	9:00:08.94	1.00
			Sg	00:10.92	-0.89
JAVC	59.2	36	Pg	9:00:14.24	0.61
			Sg	00:20.51	-1.42
KRUC	92.0	320	Pg	9:00:19.82	0.35
			Sg	00:30.91	-1.42
VRAC	107.5	336	Pg	9:00:22.54	0.31
MORC	152.1	9	Pn	9:00:27.98	-0.07
			Sn	00:47.08	-0.53

730.

2023-06-13 time: 9:27:14.86 UTC ML= 0.8
 lat: 47.257N lon: 18.241E h= 0.0 km
 erh= 2.7km erz= 351km
 nr= 6 gap=234 rms=0.20
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.9	7	Pg	9:27:17.01	0.02
			Sg	27:18.83	0.18
PKST	15.7	271	Pg	9:27:17.66	0.00
			Sg	27:19.69	-0.16
PKSG	18.8	37	Pg	9:27:18.34	0.12
			Sg	27:19.98	-0.85

731.

2023-06-13 time: 9:50:15.32 UTC ML= 1.7
 lat: 48.391N lon: 19.116E h= 0.0 km
 erh= 2.3km erz= 3.6km
 nr= 14 gap= 81 rms=0.89
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	67.9	170	Sg	9:50:36.51	-0.39
PSZ	78.2	132	Pg	9:50:30.40	1.11
			Sg	50:39.64	-0.54
LANS	88.3	17	Pg	9:50:31.42	0.33
			Sg	50:42.46	-0.94
KECS	101.9	84	Pg	9:50:33.85	0.34
			Sg	50:46.13	-1.57
JAVC	118.6	296	Pg	9:50:37.45	0.95
			Sg	50:52.16	-0.86
PKSG	123.6	206	Pg	9:50:38.54	1.14
			Sg	50:53.49	-1.13
CSKK	131.0	209	Sn	9:50:55.84	-1.07
MODS	136.2	269	Sn	9:50:57.09	-0.98
PKST	149.7	213	Sn	9:51:00.38	-0.68

Földrengés paraméterek

732.

2023-06-13 time: 9:57:31.31 UTC ML= 1.2
 lat: 48.371N lon: 19.868E h= 0.0 km
 erh= 3.4km erz= ***km
 nr= 7 gap=164 rms=0.67
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.4	75	Pg	9:57:40.24	0.47
			Sg	57:47.13	0.75
PSZ	50.4	178	Pg	9:57:40.39	0.08
			Sg	57:47.13	-0.20
LANS	91.5	341	Sg	9:58:00.74	0.34
ABAH	102.0	95	Sg	9:58:02.70	-1.05
NIE	121.0	16	Sg	9:58:08.13	-1.64

733.

2023-06-13 time: 9:59:53.92 UTC ML= 1.6
 lat: 48.182N lon: 16.906E h= 0.0 km
 erh= 2.5km erz= 336km
 nr= 7 gap=255 rms=0.22
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	14.7	84	Pg	9:59:56.30	-0.24
			Sg	59:58.47	-0.11
MODS	34.8	52	Pg	9:60:00.25	0.12
			Sg	60:04.82	-0.16
SMOL	53.4	46	Pg	9:60:03.90	0.44
KRUC	104.8	339	Pg	9:60:12.55	-0.08
			Sg	60:27.13	-0.10

734.

2023-06-13 time: 11:50:31.94 UTC ML= 1.0
 lat: 47.848N lon: 16.020E h= 0.0 km
 erh= 2.5km erz= 4.9km
 nr= 8 gap= 98 rms=0.75
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.9	307	Pg	11:50:35.34	0.75
			Sg	50:36.69	0.03
RONA	26.5	129	Pg	11:50:37.28	0.62
			Sg	50:40.76	0.41
ARSA	76.2	209	Sg	11:50:55.24	-0.93
MODS	110.4	58	Sg	11:51:06.48	-0.54
KRUC	137.8	12	Pn	11:50:55.67	-0.49
			Sn	51:12.79	-2.26

735.

2023-06-14 time: 6:40:17.28 UTC ML= 1.2
 lat: 48.066N lon: 20.712E h= 0.0 km
 erh= 5.4km erz= ***km
 nr= 6 gap=198 rms=0.65
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.8	57	Pg	6:40:25.87	0.23
			Sg	40:31.62	-0.54
KECS	49.3	340	Pg	6:40:26.97	0.88
			Sg	40:31.84	-1.12
PSZ	63.2	255	Pg	6:40:28.68	0.11
			Sg	40:36.50	-0.87

Földrengés paraméterek

Hypocenter Parameters

736.

 2023-06-14 time: 8:10:03.09 UTC ML= 1.5
 lat: 47.338N lon: 18.472E h= 0.0 km
 erh= 1.3km erz= 437km
 nr= 9 gap=115 rms=0.33
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.5	314	PgU	8:10:04.77	0.16
			Sg	10:05.68	-0.12
CSKK	16.2	280	PgU	8:10:06.03	0.05
			Sg	10:07.65	-0.58
PKST	34.2	255	Pg	8:10:09.77	0.57
			Sg	10:13.54	-0.43
PSZ	124.9	59	Sg	8:10:42.54	-0.24
MORH	125.5	174	Sg	8:10:42.93	-0.04
PKSM	125.9	174	Sg	8:10:42.93	-0.18

737.

 2023-06-14 time: 8:21:36.73 UTC ML= 1.8
 lat: 48.810N lon: 21.182E h= 0.0 km
 erh= 5.6km erz= 8.6km
 nr= 13 gap= 93 rms=1.60
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	57.3	176	Sg	8:21:56.06	1.12
KECS	62.9	235	Pg	8:21:48.19	0.24
			Sg	21:55.72	-0.99
STHS	67.6	4	Sg	8:21:53.47	-4.75
KOLS	81.2	80	Pg	8:21:52.12	0.89
			Sg	22:02.36	-0.18
STZU	108.1	78	Pg	8:21:56.86	0.83
			Sg	22:09.79	-1.30
TRPA	125.6	127	Sg	8:22:15.50	-1.16
PSZ	137.6	224	Pn	8:22:00.66	-0.25
			Sn	22:15.68	-4.10
OJC	186.0	327	Pn	8:22:09.64	2.68
			Sn	22:32.25	1.71

738.

 2023-06-14 time: 9:40:52.87 UTC ML= 1.9
 lat: 48.675N lon: 19.050E h= 0.0 km
 erh= 8.9km erz= 7.2km
 nr= 10 gap=207 rms=0.94
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	61.1	30	Pg	9:41:04.16	0.37
			Sg	41:11.98	-0.32
PENC	99.8	170	Sg	9:41:22.43	-2.17
PSZ	104.9	143	Pg	9:41:11.75	0.15
			Sg	41:25.27	-0.94
KECS	108.0	101	Pg	9:41:12.91	0.74
NIE	124.0	48	Pg	9:41:15.51	0.50
			Sg	41:30.65	-1.63
OJC	180.2	18	Sn	9:41:44.05	-1.33
STHS	180.3	63	Pn	9:41:23.76	1.37

739.

 2023-06-14 time: 9:58:46.45 UTC ML= 1.7
 lat: 47.881N lon: 20.128E h= 0.0 km
 erh= 9.2km erz= ***km
 nr= 6 gap=200 rms=0.74
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	17.9	283	Pg	9:58:49.94	0.29
			Sg	58:52.23	0.09
PENC	64.1	261	Sg	9:59:06.54	-0.29
KECS	72.1	22	Pg	9:59:00.19	0.87
			Sg	59:08.47	-0.89
ABAH	94.8	61	Sg	9:59:15.13	-1.46

740.

 2023-06-15 time: 7:21:18.15 UTC ML= 1.7
 lat: 46.064N lon: 22.818E h= 0.0 km
 erh= 2.9km erz= 840km
 nr= 10 gap=168 rms=0.66
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	21.2	162	Pg	7:21:21.91	-0.01
			Sg	21:24.57	-0.30
SURR	63.9	237	Pg	7:21:30.05	0.49
			Sg	21:38.34	-0.12
GZR	74.6	182	Pg	7:21:31.70	0.23
			Sg	21:40.63	-1.24
DRGR	81.3	354	Pg	7:21:33.35	0.69
			Sg	21:42.57	-1.41
BZS	105.8	242	Pg	7:21:37.50	0.47
			Sg	21:50.49	-1.28

741.

 2023-06-15 time: 8:11:16.42 UTC ML= 1.7
 lat: 48.448N lon: 19.254E h= 0.0 km
 erh= 2.3km erz= 2.5km
 nr= 11 gap=193 rms=0.49
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	73.1	178	Pg	8:11:29.71	0.23
			Sg	11:38.60	-1.07
PSZ	75.7	141	Pg	8:11:30.62	0.67
			Sg	11:39.93	-0.56
LANS	79.7	11	Pg	8:11:30.54	-0.11
			Sg	11:41.11	-0.64
KECS	91.1	88	Pg	8:11:32.76	0.06
			Sg	11:45.70	0.31
NIE	132.9	36	Pn	8:11:40.51	0.48
			Sn	11:57.70	-0.75
ABAH	148.0	97	Sn	8:12:01.56	-0.24

742.

 2023-06-15 time: 8:20:52.03 UTC ML= 1.5
 lat: 48.625N lon: 21.335E h= 0.0 km
 erh= 3.2km erz= 5.0km
 nr= 18 gap= 69 rms=1.21
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	37.2	191	Pg	8:20:59.11	0.43
			Sg	21:04.93	1.07
KECS	64.7	256	Pg	8:21:03.66	0.08
			Sg	21:11.18	-1.40
KOLS	77.0	64	Pg	8:21:06.46	0.68
			Sg	21:16.15	-0.36
STHS	88.3	356	Pg	8:21:08.19	0.39
			Sg	21:19.20	-0.91
STZU	104.1	65	Pg	8:21:09.94	-0.68
			Sg	21:22.93	-2.19
TRPA	104.8	122	Pg	8:21:11.27	0.53
			Sg	21:22.31	-3.02
NIE	115.7	320	Pg	8:21:12.55	-0.14
PSZ	132.7	234	Pn	8:21:16.75	1.14

Hypocenter Parameters

Sn 21:30.31 -3.69
 LANS 148.9 293 Pn 8:21:19.26 1.63
 Sn 21:34.85 -2.75
 MEZ 161.3 94 Pn 8:21:20.04 0.87

743.

2023-06-15 time: 8:31:36.91 UTC ML= 1.4
 lat: 45.680N lon: 17.300E h= 0.0 km
 erh= 4.9km erz= 6.8km
 nr= 10 gap=124 rms=1.01
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	76.9	54	Pg	8:31:51.45	0.81
PKSV	77.6	73	Pg	8:31:51.96	1.20
			Sg	32:02.95	1.38
BLY	103.9	185	Sg	8:32:08.95	-0.98
PTJ	107.2	283	Sg	8:32:10.18	-0.79
PKSM	119.6	60	Pg	8:31:58.43	0.16
			Sg	32:13.16	-1.77
MORH	120.0	60	Pg	8:31:58.43	0.09
			Sg	32:13.20	-1.86
PKB5	150.5	47	Sn	8:32:22.00	-0.83

744.

2023-06-15 time: 9:41:34.56 UTC ML= 1.2
 lat: 45.722N lon: 18.481E h= 0.0 km
 erh= 1.6km erz= 2.8km
 nr= 10 gap=210 rms=0.78
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	25.7	316	Pg	9:41:40.04	0.90
			Sg	41:42.39	-0.33
KOVH	50.4	324	Pg	9:41:44.11	0.56
			Sg	41:49.64	-0.92
PKSM	55.9	13	Pg	9:41:45.09	0.56
			Sg	41:51.58	-0.74
MORH	56.4	13	Pg	9:41:45.28	0.66
			Sg	41:51.43	-1.04
BLY	148.5	223	Pn	9:41:59.60	-0.51
			Sn	42:18.39	-1.65

745.

2023-06-15 time: 9:47:21.84 UTC ML= 1.3
 lat: 47.562N lon: 18.429E h= 0.0 km
 erh= 2.8km erz= 4.7km
 nr= 12 gap=104 rms=1.04
 Locality: Tatabánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.1	189	Pg	9:47:25.75	0.51
			Sg	47:28.71	0.81
CSKK	25.5	210	Pg	9:47:27.03	0.65
			Sg	47:30.25	0.32
SRO	29.3	343	Sg	9:47:32.86	1.70
PKST	44.9	222	Sg	9:47:36.24	0.12
PENC	68.9	68	Sg	9:47:44.30	0.56
MPLH	80.1	237	Sg	9:47:46.42	-0.86
PSZ	116.8	70	Sg	9:47:57.06	-1.92
MODS	124.7	316	Sg	9:47:59.72	-1.76
MORH	150.5	174	Sn	9:48:06.67	-1.09
PKSM	150.9	174	Sn	9:48:06.20	-1.65

Földrengés paraméterek

746.

2023-06-15 time: 12:59:11.20 UTC ML= 1.8
 lat: 48.998N lon: 21.250E h= 0.0 km
 erh= 2.8km erz= 3.8km
 nr= 14 gap= 89 rms=1.13
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	46.6	359	Pg	12:59:20.83	1.31
			Sg	59:25.77	-0.25
KOLS	75.3	95	Pg	12:59:24.52	-0.12
			Sg	59:35.79	0.67
ABAH	78.0	181	Pg	12:59:26.16	1.03
			Sg	59:36.17	0.18
KECS	80.2	225	Pg	12:59:27.33	1.81
			Sg	59:35.78	-0.91
STZU	100.5	89	Pg	12:59:27.64	-1.50
			Sg	59:42.36	-0.78
LANS	131.3	277	Sn	12:59:50.73	-2.13
TRPA	135.5	135	Pn	12:59:35.00	-0.12
			Sn	59:52.22	-1.57
PSZ	156.4	220	Sn	12:59:57.38	-1.04

747.

2023-06-16 time: 7:57:35.57 UTC ML= 1.2
 lat: 48.574N lon: 20.759E h= 0.0 km
 erh= 4.5km erz= 7.0km
 nr= 8 gap=187 rms=0.81
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.5	243	Pg	7:57:39.77	0.18
			Sg	57:42.75	0.01
ABAH	47.1	131	Pg	7:57:44.90	0.92
			Sg	57:50.97	0.43
PSZ	97.1	221	Pg	7:57:53.16	0.25
			Sg	58:05.05	-1.39
KOLS	118.3	70	Sg	7:58:12.26	-0.92
TRPA	140.9	110	Sn	7:58:17.14	-2.21

748.

2023-06-16 time: 8:49:12.97 UTC ML= 1.5
 lat: 47.278N lon: 16.347E h= 0.0 km
 erh= 3.9km erz= 4.7km
 nr= 12 gap=124 rms=1.05
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	47.0	355	Pg	8:49:21.99	0.62
			Sg	49:27.61	-0.31
SOP	47.8	19	Sg	8:49:27.39	-0.77
ARSA	62.5	267	Pg	8:49:25.87	1.74
CONA	81.0	333	Sg	8:49:37.79	-0.93
GROS	111.4	215	Sg	8:49:47.46	-0.92
PERS	117.8	233	Sg	8:49:47.80	-2.61
SOKA	120.2	236	Sg	8:49:50.17	-1.02
PKST	127.7	91	Pg	8:49:36.16	0.38
MODS	140.3	30	Sn	8:49:55.88	-0.76
KRUC	198.4	1	Pn	8:49:45.66	0.92
			Sn	50:08.90	-0.62

Földrengés paraméterek

Hypocenter Parameters

749.

2023-06-16 time: 8:58:32.67 UTC ML= 1.4
 lat: 48.347N lon: 18.980E h= 0.0 km
 erh= 2.7km erz= 893km
 nr= 8 gap=142 rms=0.65
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	65.8	160	Sg	8:58:53.70	0.10
PSZ	83.1	125	Pg	8:58:48.11	0.60
			Sg	58:59.53	0.45
JAVC	112.1	301	Sg	8:59:08.30	0.00
KECS	112.5	82	Pg	8:58:52.96	0.21
			Sg	59:06.34	-2.08
PKSG	115.0	203	Sg	8:59:08.69	-0.53
CSKK	121.9	206	Sg	8:59:10.65	-0.78

750.

2023-06-16 time: 9:04:20.12 UTC ML= 1.3
 lat: 47.964N lon: 16.077E h= 0.0 km
 erh= 2.4km erz= 4.2km
 nr= 10 gap=115 rms=0.60
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.5	256	Pg	9:04:23.24	0.17
			Sg	04:25.31	-0.07
RONA	33.6	151	Pg	9:04:25.98	-0.15
			Sg	04:30.05	-0.76
MODS	100.3	63	Pg	9:04:39.05	1.03
			Sg	04:51.80	-0.19
KRUC	124.4	11	Pg	9:04:42.22	-0.11
			Sg	04:57.83	-1.82
VRAC	154.3	14	Pn	9:04:46.83	0.44
			Sn	05:06.00	-0.89

751.

2023-06-16 time: 10:33:05.77 UTC ML= 1.8
 lat: 48.814N lon: 21.623E h= 0.0 km
 erh= 1.8km erz= 5.3km
 nr= 18 gap= 68 rms=0.74
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	49.5	75	Pg	10:33:14.26	-0.34
			Sg	33:21.31	-0.19
ABAH	64.2	206	Pg	10:33:18.02	0.78
			Sg	33:25.69	-0.50
HOLU	64.5	120	Pg	10:33:17.39	0.10
			Sg	33:26.24	-0.03
STHS	72.5	338	Pg	10:33:19.04	0.32
			Sg	33:28.43	-0.38
STZU	76.6	73	Pg	10:33:20.76	1.31
			Sg	33:27.12	-3.01
KECS	91.6	246	Pg	10:33:22.64	0.52
			Sg	33:33.52	-1.35
TRPA	101.8	138	Pg	10:33:23.73	-0.23
			Sg	33:37.74	-0.40
NIE	116.9	305	Pg	10:33:26.86	0.21
			Sg	33:39.70	-3.23
KWP	120.4	41	Pg	10:33:27.26	-0.01
PSZ	162.3	232	Sn	10:33:53.08	-1.23

752.

2023-06-17 time: 8:00:49.74 UTC ML= 1.1
 lat: 46.214N lon: 18.252E h= 0.0 km
 erh= 1.4km erz= 6.1km
 nr= 10 gap=140 rms=0.37
 Locality: Komló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.2	220	PgU	8:00:53.43	0.43
			Sg	00:55.70	0.16
PKSM	30.0	90	Pg	8:00:55.12	0.02
			Sg	00:59.19	-0.09
MORH	30.2	90	Pg	8:00:55.31	0.17
			Sg	00:59.70	0.35
PKSV	36.2	180	Pg	8:00:56.02	-0.17
			Sg	01:00.40	-0.83
CSKK	127.8	0	Sg	8:01:30.02	-0.33
PKSG	131.4	5	Sn	8:01:29.63	-1.79

753.

2023-06-17 time: 8:11:33.44 UTC ML= 1.6
 lat: 45.909N lon: 16.038E h= 10.0 km
 erh= 4.5km erz= 2.7km
 nr= 9 gap=210 rms=0.50
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.3	261	PgU	8:11:35.46	-0.09
			Sg	11:36.59	-0.60
R971	8.2	195	PgD	8:11:35.72	-0.03
ZAG	9.5	201	Pg	8:11:35.89	-0.01
			Sg	11:37.61	-0.22
CRES	46.1	258	Pg	8:11:42.97	1.12
			Sg	11:48.45	0.03
SOKA	115.4	318	Sn	8:12:08.33	-0.96
ARSA	154.3	345	Sn	8:12:17.99	0.07

754.

2023-06-18 time: 11:38:19.86 UTC ML= 1.9
 lat: 46.064N lon: 21.553E h= 16.2 km
 erh= 3.6km erz= 2.7km
 nr= 11 gap=134 rms=0.72
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	44.6	215	Pg	11:38:27.14	-1.19
			Sg	38:35.97	1.03
BZS	50.0	174	Pg	11:38:29.68	0.44
			Sg	38:36.91	0.35
SURR	56.2	128	Pg	11:38:30.31	0.01
			Sg	38:37.66	-0.78
BANR	82.4	203	S*	11:38:45.89	-0.26
DRGR	120.3	48	Pn	11:38:40.29	0.47
			Sn	38:54.74	-0.65
GZR	121.0	128	Sn	11:38:55.67	0.13
PKB3	186.2	282	Sn	11:39:14.36	4.33*
PKSM	225.6	274	Sn	11:39:20.79	2.02

755.

2023-06-19 time: 8:12:22.08 UTC ML= 1.0
 lat: 47.870N lon: 16.062E h= 0.0 km
 erh= 2.2km erz= 3.6km
 nr= 7 gap=127 rms=0.81
 Locality: Austria
 Comments: probably explosion

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
CONA	16.3	294	Pg	8:12:25.46	0.46
			Sg	12:27.61	0.34
RONA	25.8	137	Pg	8:12:27.57	0.88
			Sg	12:30.23	-0.05
ARSA	79.9	210	Sg	8:12:46.43	-1.04
KRUC	134.8	11	Pn	8:12:45.65	-0.28
			Sn	13:02.36	-2.17

756.

2023-06-19 time: 8:23:05.45 UTC ML= 1.4
 lat: 48.614N lon: 20.794E h= 0.0 km
 erh= 3.4km erz= ***km
 nr= 11 gap= 84 rms=1.04
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.0	237	Pg	8:23:10.72	0.44
			Sg	23:13.81	-0.23
ABAH	48.3	137	Pg	8:23:14.79	0.71
			Sg	23:20.58	-0.23
STHS	95.1	20	Pg	8:23:23.75	1.30
			Sg	23:33.85	-1.85
PSZ	102.2	221	Pg	8:23:24.37	0.67
			Sg	23:36.55	-1.39
LANS	114.1	302	Pg	8:23:26.10	0.26
			Sg	23:40.06	-1.67
KOLS	114.4	72	Sg	8:23:39.64	-2.17

757.

2023-06-19 time: 8:37:18.85 UTC ML= 1.5
 lat: 48.533N lon: 17.464E h= 0.0 km
 erh= 5.6km erz= 6.2km
 nr= 9 gap=193 rms=0.39
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.3	231	Pg	8:37:19.44	0.00
			Sg	37:19.99	0.09
MODS	22.4	218	Pg	8:37:23.39	0.54
			Sg	37:25.90	-0.07
JAVC	39.4	23	Pg	8:37:26.04	0.16
			Sg	37:31.16	-0.21
ZST	46.0	216	Sg	8:37:32.89	-0.58
RONA	127.0	223	Pg	8:37:41.38	-0.15
MORC	138.5	2	Sn	8:37:59.50	-2.61

758.

2023-06-19 time: 10:00:03.31 UTC ML= 1.5
 lat: 48.111N lon: 16.942E h= 0.0 km
 erh= 3.1km erz= 617km
 nr= 9 gap=175 rms=0.49
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.3	52	Pg	10:00:06.43	0.39
			Sg	00:08.07	-0.09
MODS	38.4	40	Pg	10:00:10.26	0.09
			Sg	00:15.19	-0.33
RONA	66.5	227	Pg	10:00:15.66	0.48
			Sg	00:23.29	-1.16
CONA	83.1	256	Pg	10:00:18.32	0.17
KRUC	113.2	339	Pg	10:00:23.37	-0.15
			Sg	00:37.03	-2.26

Földrengés paraméterek

759.

2023-06-19 time: 13:01:55.14 UTC ML= 1.7
 lat: 47.042N lon: 19.481E h= 0.0 km
 erh= 9.0km erz= ***km
 nr= 5 gap=197 rms=0.62
 Locality: Ladánybene
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	24.3	271	Pg	13:02:00.37	0.88
			Sg	02:01.78	-1.10
PENC	84.6	350	Pg	13:02:10.23	-0.01
PSZ	102.3	18	Pg	13:02:13.40	-0.01
PKSM	112.5	215	Sg	13:02:30.18	-0.72

760.

2023-06-19 time: 13:22:46.03 UTC ML= 1.8
 lat: 46.993N lon: 19.466E h= 0.0 km
 erh= 8.4km erz= ***km
 nr= 5 gap=199 rms=0.68
 Locality: Ladánybene
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	24.0	285	Pg	13:22:51.37	1.06
			Sg	22:53.13	-0.52
PENC	89.8	351	Pg	13:23:02.21	0.15
PKSM	107.4	216	Sg	13:23:19.31	-0.85
PSZ	107.9	17	Pg	13:23:04.79	-0.50

761.

2023-06-19 time: 13:36:31.15 UTC ML= 1.6
 lat: 47.070N lon: 19.448E h= 0.0 km
 erh= 4.9km erz= 725km
 nr= 5 gap=222 rms=0.35
 Locality: Ladánybene
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	22.0	263	Pg	13:36:35.64	0.57
			Sg	36:37.52	-0.61
PENC	81.1	351	Pg	13:36:45.74	0.11
MORH	113.1	213	Pg	13:36:51.22	-0.13
PKSM	113.6	213	Pg	13:36:51.22	-0.22

762.

2023-06-20 time: 8:13:32.02 UTC ML= 1.3
 lat: 48.503N lon: 17.486E h= 0.0 km
 erh= 1.4km erz= 3.7km
 nr= 8 gap=208 rms=0.24
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.4	286	Pg	8:13:32.47	-0.34
			Sg	13:33.49	0.06
MODS	21.1	227	Pg	8:13:36.03	0.25
			Sg	13:38.73	0.01
JAVC	41.9	19	Pg	8:13:39.47	-0.03
			Sg	13:45.23	-0.10
KRUC	101.5	308	Pg	8:13:50.37	0.23
CONA	136.6	242	Sn	8:14:13.77	-1.08

Földrengés paraméterek

Hypocenter Parameters

763.

2023-06-20 time: 8:37:48.99 UTC ML= 1.0
 lat: 48.584N lon: 20.774E h= 0.0 km
 erh= 4.3km erz= ***km
 nr= 8 gap= 88 rms=1.06
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.1	242	Pg	8:37:54.05	0.76
			Sg	37:57.06	0.41
ABAH	47.1	133	Pg	8:37:58.28	0.89
			Sg	38:03.44	-0.51
STHS	98.7	20	Sg	8:38:19.92	-0.45
PSZ	98.8	221	Sg	8:38:17.96	-2.42
LANS	114.7	303	Pg	8:38:09.86	0.39
KOLS	116.8	71	Sg	8:38:23.91	-2.22

764.

2023-06-20 time: 9:06:13.09 UTC ML= 2.1
 lat: 45.638N lon: 17.321E h= 4.6 km
 erh= 2.8km erz= 2.7km
 nr= 20 gap=117 rms=0.91
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	77.6	69	Pg	9:06:27.53	0.56
			Sg	06:37.46	-0.34
KOVH	78.5	50	Pg	9:06:27.09	-0.04
			Sg	06:37.42	-0.66
BLY	99.4	186	Pg	9:06:31.01	0.15
			Sg	06:43.25	-1.47
BEHE	101.7	335	Pg	9:06:31.04	-0.22
PTJ	109.9	285	Pg	9:06:32.36	-0.38
			Sg	06:45.32	-2.74
PKSM	120.7	58	Pn	9:06:34.32	-0.26
			Sn	06:49.75	-1.59
MORH	121.1	58	Pn	9:06:34.56	-0.07
RCF6	130.8	306	Sn	06:49.58	-1.86
			Pn	9:06:36.25	0.41
PKB4	137.7	46	Sn	06:52.52	-1.07
			Pn	9:06:37.79	1.09
CRES	146.6	278	Pn	9:06:38.50	0.69
PKB5	152.6	46	Sn	06:56.60	-0.50
			Pn	9:06:40.28	1.72
GROS	167.9	303	Pn	9:06:42.33	1.86

765.

2023-06-20 time: 9:29:15.28 UTC ML= 1.2
 lat: 48.961N lon: 19.826E h= 0.0 km
 erh= 6.2km erz=10.7km
 nr= 8 gap=128 rms=1.22
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	33.6	309	Pg	9:29:21.50	0.22
			Sg	29:24.95	-1.01
NIE	62.1	35	Pg	9:29:27.84	1.47
			Sg	29:34.19	-0.83
KECS	72.0	138	Pg	9:29:29.09	0.96
			Sg	29:37.23	-0.92
ABAH	127.8	125	Sg	9:29:52.46	-3.43
JAVC	158.4	266	Sn	9:30:02.43	-0.52

766.

2023-06-20 time: 10:02:37.73 UTC ML= 1.2
 lat: 47.519N lon: 16.331E h= 0.0 km
 erh= 3.2km erz= 5.2km
 nr= 9 gap=201 rms=0.58
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	20.3	353	PgU	10:02:41.68	0.32
			Sg	02:43.87	-0.31
SOP	25.0	43	Pg	10:02:42.57	0.37
CONA	57.6	322	Sg	02:44.88	-0.81
			Pg	10:02:48.75	0.74
ARSA	67.9	244	Sg	02:55.61	-0.43
			Pn	10:02:58.54	-0.78
KRUC	171.7	2	Pn	10:03:06.03	-0.14
			Sn	03:26.21	-2.14

767.

2023-06-20 time: 14:55:11.71 UTC ML= 1.8
 lat: 47.073N lon: 19.400E h= 0.0 km
 erh= 4.8km erz= ***km
 nr= 13 gap=190 rms=0.92
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.4	261	Pg	14:55:15.77	0.78
			Sg	55:17.62	0.07
PKB1	56.3	235	Pg	14:55:22.08	0.32
PKB5	73.4	224	Pg	14:55:25.91	1.09
PENC	80.3	354	Pg	14:55:26.62	0.57
PKSG	84.3	295	Pg	14:55:25.91	-0.84
PKB4	88.3	223	Pg	14:55:27.96	0.48
PSZ	101.1	22	Pg	14:55:29.16	-0.61
			Sg	55:42.21	-1.64
MORH	111.5	211	Pg	14:55:31.71	0.10
			Sg	55:44.34	-2.80
PKSM	112.0	211	Pg	14:55:32.02	0.32
			Sg	55:44.62	-2.67

768.

2023-06-21 time: 7:12:03.43 UTC ML= 1.1
 lat: 48.076N lon: 20.707E h= 0.0 km
 erh= 2.7km erz= 568km
 nr= 6 gap=196 rms=0.34
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.6	58	Pg	7:12:11.69	-0.05
			Sg	12:18.26	0.03
KECS	48.2	340	Pg	7:12:12.39	0.37
			Sg	12:18.03	-0.70
PSZ	63.1	254	Pg	7:12:14.90	0.21
			Sg	12:22.96	-0.52

769.

2023-06-21 time: 7:25:07.05 UTC ML= 1.8
 lat: 46.098N lon: 21.564E h= 10.0 km
 erh= 4.0km erz= 3.7km
 nr= 8 gap=195 rms=0.64
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	48.2	214	Sg	7:25:22.30	-0.39
BZS	53.7	176	Pg	7:25:17.19	0.39
			Sg	25:23.84	-0.56

Hypocenter Parameters

SURR 57.9 131 Pg 7:25:18.05 0.51
 Sg 25:24.93 -0.80
 DRGR 117.1 49 Pn 7:25:28.17 0.76
 Sn 25:42.15 -1.14
 GZR 122.6 130 Sn 7:25:43.98 -0.53

770.

2023-06-21 time: 8:38:39.07 UTC ML= 1.7
 lat: 46.049N lon: 22.847E h= 0.0 km
 erh= 4.0km erz= 8.5km
 nr= 13 gap=109 rms=1.17
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	19.0	167	Pg	8:38:43.09			0.63
			Sg	38:45.13			0.03
SURR	65.0	240	Pg	8:38:51.31			0.64
			Sg	38:58.59			-1.14
GZR	73.1	184	Pg	8:38:52.72			0.59
			Sg	39:00.23			-2.09
DRGR	83.2	353	Pg	8:38:54.52			0.60
			Sg	39:03.44			-2.06
CJR	93.7	38	Sg	8:39:06.49			-2.37
BZS	107.0	243	Pg	8:38:59.45			1.27
			Sg	39:11.26			-1.83
VOIR	184.4	112	Pn	8:39:09.93			0.83
			Sn	39:32.63			0.11

771.

2023-06-21 time: 9:40:25.77 UTC ML= 2.1
 lat: 46.886N lon: 17.237E h= 0.0 km
 erh= 4.7km erz= 6.2km
 nr= 12 gap=112 rms=1.34
 Locality: Zalaszentó
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	39.1	36	Pg	9:40:33.42			0.68
			Sg	40:38.55			0.37
TIH	50.0	88	Sg	9:40:41.01			-0.66
PKST	73.4	56	Pg	9:40:39.50			0.63
KOGS	89.8	237	Pg	9:40:42.70			0.89
			Sg	40:52.48			-1.85
SOP	102.4	330	Sg	9:40:57.29			-1.03
PKSG	104.0	57	Sg	9:40:56.67			-2.16
MORH	131.2	125	Pn	9:40:50.13			0.97
			Sn	41:04.41			-2.99
PKSM	131.2	125	Pn	9:40:50.68			1.51
ARSA	136.3	287	Sn	9:41:06.35			-2.19

772.

2023-06-21 time: 10:15:50.70 UTC ML= 1.2
 lat: 47.187N lon: 17.690E h= 0.0 km
 erh= 2.1km erz= 441km
 nr= 6 gap=165 rms=0.25
 Locality: Csehbánya
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	11.5	261	Pg	10:15:52.66			-0.10
			Sg	15:54.37			0.00
PKST	27.3	73	Pg	10:15:55.58			0.01
TIH	35.4	154	Pg	10:15:57.40			0.38
			Sg	16:01.16			-0.79
CSKK	47.4	66	Pg	10:15:59.10			-0.07

Földrengés paraméterek

773.

2023-06-21 time: 11:11:51.46 UTC ML= 1.5
 lat: 47.942N lon: 20.160E h= 0.0 km
 erh= 6.0km erz= 963km
 nr= 7 gap=192 rms=0.65
 Locality: Szajla
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	20.0	263	Pg	11:11:55.39			0.36
			Sg	11:57.73			-0.08
KECS	64.9	22	Pg	11:12:03.60			0.54
			Sg	12:11.12			-0.98
PENC	67.8	256	Sg	11:12:12.37			-0.64
ABAH	89.6	64	Pg	11:12:07.91			0.45
			Sg	12:18.55			-1.38

774.

2023-06-21 time: 12:00:09.30 UTC ML= 1.6
 lat: 48.633N lon: 21.540E h= 0.0 km
 erh= 3.3km erz= 5.9km
 nr= 17 gap=104 rms=1.21
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	43.6	211	Pg	12:00:17.30			0.22
			Sg	00:23.98			0.84
UZH	55.5	90	Sg	12:00:25.35			-1.59
HOLU	63.4	101	Pg	12:00:20.74			0.12
			Sg	00:28.02			-1.43
KOLS	63.4	58	Sg	12:00:28.43			-1.02
KECS	79.6	258	Pg	12:00:22.76			-0.75
			Sg	00:33.19			-1.41
STHS	89.8	346	Pg	12:00:27.02			1.68
			Sg	00:35.69			-2.16
STZU	90.2	62	Pg	12:00:27.33			1.92
BRIU	114.2	107	Pg	12:00:30.78			1.08
NIE	125.3	314	Pg	12:00:31.78			0.11
			Sg	00:47.27			-1.85
PSZ	145.7	237	Pn	12:00:34.36			-0.14
			Sn	00:52.05			-2.11
LANS	162.5	291	Pn	12:00:37.65			1.05

775.

2023-06-21 time: 14:24:05.98 UTC ML= 1.7
 lat: 47.072N lon: 19.446E h= 0.0 km
 erh= 2.5km erz= 401km
 nr= 8 gap=193 rms=0.29
 Locality: Felsőlajos
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	21.8	263	Pg	14:24:10.17			0.29
			Sg	24:12.33			-0.59
PKB1	59.2	237	Pg	14:24:16.65			0.10
PENC	80.9	351	Pg	14:24:20.89			0.47
PSZ	100.0	20	Pg	14:24:23.47			-0.37
PKS9	104.1	239	Pg	14:24:24.49			-0.08
MORH	113.2	213	Pg	14:24:26.25			0.05
PKSM	113.7	213	Pg	14:24:26.10			-0.19

776.

2023-06-21 time: 16:26:29.95 UTC ML= 1.7
 lat: 46.129N lon: 16.690E h= 14.5 km
 erh= 2.6km erz= 2.5km
 nr= 13 gap=143 rms=0.59
 Locality: Croatia
 Comments:

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
BEHE	38.5	10	Pg	16:26:37.27	-0.03
			Sg	26:43.11	0.08
KOGS	49.0	316	Sg	16:26:45.97	-0.24
PTJ	62.1	246	Sg	16:26:49.72	-0.52
GROS	98.7	292	P*	16:26:47.72	0.37
			S*	27:00.29	-0.63
CRES	101.3	251	P*	16:26:48.36	0.61
			S*	27:01.37	-0.26
KOVH	109.1	92	Pn	16:26:48.62	-0.11
			Sn	27:01.61	-1.77
PKSV	123.9	102	Pn	16:26:50.18	-0.40
PKSM	151.0	87	Sn	16:27:14.42	1.74
MORH	151.2	86	Sn	16:27:13.96	1.23

777.

2023-06-22 time: 7:14:53.15 UTC ML= 1.4
 lat: 48.134N lon: 19.600E h= 0.0 km
 erh= 6.2km erz= 6.4km
 nr= 6 gap=211 rms=0.70
 Locality: Pilyiny
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	32.6	138	Pg	7:14:59.86	0.89
			Sg	15:02.56	-0.95
PENC	45.0	212	Sg	7:15:07.42	-0.04
PKSG	122.6	228	Sg	7:15:32.27	0.15
ABAH	123.2	82	Sg	7:15:32.06	-0.25
PKST	152.6	230	Sn	7:15:38.56	-0.97

778.

2023-06-22 time: 7:23:46.25 UTC ML= 1.9
 lat: 47.340N lon: 18.442E h= 0.0 km
 erh= 1.9km erz= 3.2km
 nr= 15 gap=113 rms=0.89
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.0	326	Pg	7:23:48.14	0.65
			Sg	23:48.61	0.15
CSKK	14.0	281	Pg	7:23:49.12	0.38
			Sg	23:50.30	-0.39
PKST	32.1	254	Pg	7:23:52.41	0.43
			Sg	23:56.40	-0.06
MPLH	70.9	255	Sg	7:24:09.27	0.49
PENC	80.6	52	Sg	7:24:11.89	0.01
MORH	125.9	173	Sg	7:24:25.98	-0.29
PKSM	126.3	173	Sg	7:24:25.40	-1.00
PSZ	126.7	59	Pg	7:24:10.09	1.22
			Sg	24:24.49	-2.03
KOVH	141.6	191	Sn	7:24:29.66	-0.53
MODS	144.3	323	Sn	7:24:28.09	-2.69
SOP	147.0	285	Sn	7:24:29.35	-2.03

779.

2023-06-22 time: 8:29:02.07 UTC ML= 1.7
 lat: 48.861N lon: 21.093E h= 0.0 km
 erh= 1.7km erz= 2.7km
 nr= 14 gap= 86 rms=0.54
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	61.4	227	Pg	8:29:13.30	0.27
			Sg	29:21.41	-0.17
STHS	62.7	10	Pg	8:29:13.31	0.04
			Sg	29:21.56	-0.45
ABAH	63.8	170	Pg	8:29:13.68	0.22
			Sg	29:21.61	-0.73
NIE	84.1	317	Pg	8:29:17.29	0.20

sta	dist	azm	phase	hr mn sec	res
KOLS	86.9	85	Pg	8:29:18.09	0.50
			Sg	29:28.29	-1.40
LANS	123.2	285	Pg	8:29:23.80	-0.26
PSZ	137.4	220	Pn	8:29:26.30	0.07
OJC	177.7	328	Pn	8:29:32.19	0.93
			Sn	29:53.35	-0.69

780.

2023-06-22 time: 8:31:35.49 UTC ML= 1.2
 lat: 47.307N lon: 16.397E h= 0.0 km
 erh= 3.5km erz= 4.7km
 nr= 10 gap=158 rms=0.73
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	44.3	350	Pg	8:31:43.56	0.15
			Sg	31:49.04	-0.54
ARSA	66.4	265	Sg	8:31:56.44	-0.16
CONA	79.9	330	Pg	8:31:50.32	0.55
			Sg	32:01.45	0.54
KOGS	96.1	187	Sg	8:32:07.20	1.15
RCF6	113.3	197	Sg	8:32:10.41	-1.08
GROS	116.2	216	Sg	8:32:11.82	-0.60
MODS	135.7	29	Sn	8:32:16.28	-1.85
KRUC	195.1	360	Sn	8:32:31.61	0.29

781.

2023-06-22 time: 9:00:19.98 UTC ML= 0.9
 lat: 47.988N lon: 16.118E h= 0.0 km
 erh= 2.2km erz= 4.3km
 nr= 7 gap=144 rms=0.45
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	20.3	251	Pg	9:00:23.58	-0.02
			Sg	00:26.32	-0.10
RONA	34.7	157	Pg	9:00:26.47	0.30
			Sg	00:30.46	-0.55
KRUC	121.2	10	Pg	9:00:42.27	0.66
			Sg	00:57.78	-0.70
VRAC	150.9	13	Sn	9:01:05.36	-0.64

782.

2023-06-22 time: 9:13:04.35 UTC ML= 0.9
 lat: 47.170N lon: 18.308E h= 0.0 km
 erh= 4.5km erz= 992km
 nr= 7 gap=173 rms=0.67
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	21.8	351	Pg	9:13:08.66	0.42
			Sg	13:09.99	-1.29
PKST	23.0	296	Pg	9:13:08.90	0.45
			Sg	13:11.63	-0.02
PKSG	25.5	14	Pg	9:13:09.25	0.35
			Sg	13:12.18	-0.26
KOVH	121.3	188	Sg	9:13:41.14	-1.76

783.

2023-06-22 time: 11:16:34.26 UTC ML= 1.5
 lat: 48.428N lon: 21.511E h= 0.0 km
 erh= 5.9km erz= 911km
 nr= 6 gap=189 rms=0.65
 Locality: Nagyhuta
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
ABAH	24.9	234	Pg	11:16:38.36	-0.35
			Sg	16:40.77	-1.42
KECS	76.1	275	Pg	11:16:48.77	0.91
			Sg	16:57.99	-0.47
KOLS	79.4	45	Pg	11:16:48.61	0.17
			Sg	16:59.71	0.22

784.

2023-06-22 time: 14:15:26.80 UTC ML= 1.6
 lat: 47.098N lon: 19.386E h= 0.0 km
 erh= 5.7km erz= ***km
 nr= 8 gap=187 rms=0.75
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.0	252	Pg	14:15:30.45	0.44
			Sg	15:32.33	-0.19
PENC	77.4	354	Pg	14:15:41.48	0.87
PSZ	98.9	23	Pg	14:15:44.46	0.00
			Sg	15:56.31	-1.92
MORH	113.3	210	Pg	14:15:47.08	0.04
			Sg	16:00.89	-1.93
PKSM	113.8	210	Pg	14:15:47.19	0.07

785.

2023-06-23 time: 5:59:59.83 UTC ML= 1.7
 lat: 48.423N lon: 17.235E h= 0.0 km
 erh= 1.9km erz= 7.9km
 nr= 16 gap= 96 rms=0.75
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.3	150	PgU	6:00:01.23	0.27
			Sg	00:02.02	0.18
SMOL	17.5	55	Pg	6:00:02.96	0.00
			Sg	00:04.99	-0.41
ZST	27.1	201	Pg	6:00:05.26	0.59
			Sg	00:08.69	0.25
JAVC	58.2	34	Pg	6:00:10.98	0.77
			Sg	00:16.69	-1.62
KRUC	94.1	319	Pg	6:00:17.04	0.40
			Sg	00:28.70	-1.05
RONA	106.6	221	Pg	6:00:19.10	0.23
			Sg	00:31.94	-1.78
VRAC	109.1	334	Pg	6:00:19.78	0.46
			Sg	00:35.01	-1.70
PKST	142.6	155	Sn	6:00:41.62	-2.38

786.

2023-06-23 time: 6:46:02.23 UTC ML= 2.0
 lat: 47.908N lon: 20.115E h= 0.0 km
 erh= 5.7km erz= 4.1km
 nr= 14 gap=183 rms=1.22
 Locality: Recsk
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	16.6	274	Pg	6:46:06.15	0.96
			Sg	46:08.26	0.76
PENC	63.8	258	Pg	6:46:13.43	-0.19
			Sg	46:21.41	-1.09
KECS	69.7	23	Pg	6:46:14.92	0.25
			Sg	46:22.82	-1.55
ABAH	94.2	63	Pg	6:46:20.79	1.74
			Sg	46:30.49	-1.68
PKSG	141.7	246	Pn	6:46:27.44	0.51
			Sn	46:43.87	-2.33
LANS	146.3	341	Pn	6:46:29.00	1.50

sta	dist	azm	phase	hr mn sec	res
CSKK	152.0	247	Sn	46:45.60	-1.61
			Sn	6:46:47.14	-1.34
PKST	172.4	245	Sn	6:46:51.97	-1.04

787.

2023-06-23 time: 6:58:52.27 UTC ML= 2.0
 lat: 46.130N lon: 21.448E h= 12.7 km
 erh=10.8km erz= 8.4km
 nr= 7 gap=211 rms=1.06
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	47.1	202	Pg	6:58:59.88	-1.11
BZS	58.5	167	PgU	6:59:04.43	1.47
			Sg	59:11.00	-0.30
SURR	67.1	129	Pg	6:59:05.21	0.75
			Sg	59:12.26	-1.71
DRGR	121.8	53	Sn	6:59:28.32	-0.61
GZR	131.8	128	Sn	6:59:31.54	0.37

788.

2023-06-23 time: 7:22:34.14 UTC ML= 1.2
 lat: 47.390N lon: 18.356E h= 0.0 km
 erh= 1.0km erz= 1.0km
 nr= 8 gap=121 rms=1.15
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	2.6	85	Pg	7:22:35.37	0.76
			Sg	22:36.01	1.03
CSKK	7.8	248	Pg	7:22:36.31	0.78
			Sg	22:37.40	0.79
PKST	28.3	239	Sg	7:22:43.17	0.03
MORH	132.3	170	Sn	7:23:14.24	-1.79
PKSM	132.7	171	Sn	7:23:14.10	-2.02
MODS	135.9	324	Sn	7:23:15.31	-1.52

789.

2023-06-23 time: 9:58:45.39 UTC ML= 1.5
 lat: 48.997N lon: 21.289E h= 0.0 km
 erh= 2.1km erz= 3.5km
 nr= 12 gap=100 rms=0.65
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	46.8	356	Pg	9:58:52.95	-0.79
			Sg	59:00.62	0.37
KOLS	72.4	96	Pg	9:58:58.28	-0.04
ABAH	78.1	183	Sg	59:08.33	-0.07
			Pg	9:58:59.61	0.28
KECS	82.2	226	Sg	59:10.33	0.13
			Pg	9:59:01.09	1.02
NIE	85.2	303	Sg	59:10.17	-1.35
			Sg	9:59:12.83	0.36
LANS	134.2	277	Pn	9:59:09.39	0.24
			Sn	59:26.13	-1.56
OJC	173.5	322	Sn	9:59:36.35	-0.06

790.

2023-06-23 time: 10:00:29.86 UTC ML= 1.8
 lat: 48.117N lon: 16.924E h= 0.0 km
 erh= 3.1km erz= 749km
 nr= 8 gap=169 rms=0.54
 Locality: Austria
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ZST	15.9	56	Pg	10:00:33.07	0.37
			Sg	00:34.25	-0.66
MODS	38.7	43	Pg	10:00:36.91	0.14
			Sg	00:41.84	-0.33
RONA	66.0	225	Pg	10:00:41.99	0.34
			Sg	00:49.43	-1.42
CONA	82.0	255	Sg	10:00:56.62	0.69
KRUC	112.1	340	Sg	10:01:04.95	-0.53

791.

2023-06-24 time: 21:30:07.05 UTC ML= 1.3
 lat: 47.697N lon: 17.518E h= 19.2 km
 erh= 1.7km erz= 2.1km
 nr= 18 gap= 73 rms=0.61
 Locality: Börchs
 Comments:

sta	dist	azm	phase	hr mn sec	res
EGYH	34.2	204	Pg	21:30:14.11	0.06
			Sg	30:19.43	-0.08
MPLH	58.6	178	P*	21:30:16.99	-0.93
			S*	30:25.65	-0.74
SRO	61.0	78	P*	21:30:18.10	-0.17
			S*	30:26.46	-0.57
PKST	62.3	141	P*	21:30:18.79	0.31
			S*	30:26.71	-0.69
ZST	63.6	331	S*	21:30:26.70	-1.03
SOP	72.1	269	P*	21:30:20.79	0.82
			S*	30:30.38	0.34
PKSG	73.9	117	P*	21:30:20.98	0.73
			S*	30:30.93	0.39
MODS	77.3	347	P*	21:30:21.02	0.26
			S*	30:30.69	-0.77
SMOL	91.0	356	S*	21:30:35.73	0.56
RONA	91.7	270	S*	21:30:34.76	-0.60
JAVC	129.7	5	Sn	21:30:45.24	1.25

792.

2023-06-26 time: 6:11:55.70 UTC ML= 1.4
 lat: 47.378N lon: 18.997E h= 12.6 km
 erh= 1.0km erz= 1.1km
 nr= 20 gap=113 rms=0.40
 Locality: Halásztelek
 Comments:

sta	dist	azm	phase	hr mn sec	res
PBUD	9.8	7	Sg	6:12:00.96	0.19
BUD	11.9	10	Pg	6:11:58.64	-0.15
			Sg	12:00.98	-0.23
PKS7	38.8	161	Pg	6:12:02.80	-0.19
			Sg	12:08.71	0.03
PKSG	45.8	272	Pg	6:12:04.55	0.37
			Sg	12:10.64	-0.16
PENC	50.6	25	Sg	6:12:12.17	-0.10
CSKK	55.6	268	Sg	6:12:13.78	-0.05
PKB1	67.8	193	Pg	6:12:08.65	0.63
			Sg	12:17.18	-0.45
PKST	74.0	260	Sg	6:12:18.98	-0.57
PKB5	89.3	193	Sg	6:12:23.95	-0.42
PSZ	90.3	48	Pg	6:12:12.25	0.27
			Sg	12:24.15	-0.53
PKB4	102.5	197	P*	6:12:14.54	0.69
			S*	12:27.05	-0.97
PKS9	103.6	212	S*	6:12:28.57	0.27
MORH	132.0	192	Sn	6:12:34.27	-0.37
PKSM	132.5	192	Sn	6:12:34.64	-0.10

793.

2023-06-26 time: 6:46:28.25 UTC ML= 1.3
 lat: 47.938N lon: 16.076E h= 0.0 km
 erh= 4.8km erz= ***km
 nr= 5 gap=137 rms=0.64
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.0	266	Pg	6:46:31.26	0.15
			Sg	46:32.35	-0.99
RONA	31.2	148	Sg	6:46:37.75	-0.41
KRUC	127.2	11	Pg	6:46:51.86	0.90
			Sg	47:08.19	-0.49

794.

2023-06-26 time: 7:47:58.86 UTC ML= 1.4
 lat: 48.082N lon: 20.667E h= 0.0 km
 erh= 1.8km erz= 6.6km
 nr= 7 gap=192 rms=0.39
 Locality: Bükkszentlászló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.7	343	Pg	7:48:07.36	0.17
			Sg	48:13.48	-0.21
ABAH	48.8	61	Pg	7:48:07.93	0.36
			Sg	48:13.72	-0.64
PSZ	60.5	253	Pg	7:48:09.66	0.00
			Sg	48:18.10	0.02
LANS	148.2	323	Sn	7:48:41.99	-2.27

795.

2023-06-26 time: 8:20:02.66 UTC ML= 1.3
 lat: 48.641N lon: 20.719E h= 0.0 km
 erh= 3.2km erz= 861km
 nr= 8 gap=132 rms=0.61
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	225	Pg	8:20:07.17	0.11
			Sg	20:10.30	-0.18
ABAH	54.3	135	Pg	8:20:13.16	0.80
			Sg	20:19.38	-0.54
PSZ	101.0	217	Pg	8:20:21.02	0.32
			Sg	20:33.50	-1.27
LANS	107.9	302	Pg	8:20:22.08	0.15
KOLS	118.7	74	Sg	8:20:39.14	-1.26

796.

2023-06-26 time: 11:53:49.27 UTC ML= 0.9
 lat: 47.871N lon: 16.066E h= 0.0 km
 erh= 2.3km erz= 3.9km
 nr= 8 gap=109 rms=0.78
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.5	293	Pg	11:53:52.56	0.34
			Sg	53:54.99	0.47
RONA	25.7	138	Pg	11:53:54.36	0.50
			Sg	53:57.88	0.43
SOP	42.4	119	Pg	11:53:57.14	0.30
ARSA	80.1	211	Sg	11:54:13.14	-1.60
KRUC	134.7	10	Pn	11:54:12.83	-0.27
			Sn	54:29.03	-2.65

Hypocenter Parameters

Földrengés paraméterek

797.

2023-06-26 time: 13:01:40.42 UTC ML= 1.6
 lat: 46.044N lon: 21.774E h= 8.5 km
 erh= 6.1km erz= 9.2km
 nr= 8 gap=169 rms=0.53
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	42.2	140	Pg	13:01:48.10	0.00
			Sg	01:53.11	-0.99
BZS	49.1	194	Pg	13:01:49.71	0.40
			Sg	01:56.39	0.14
TIM	54.9	231	Pg	13:01:49.97	-0.37
GZR	106.4	133	Sg	13:02:14.55	0.20
DRGR	110.0	41	Pn	13:02:00.78	0.70
			Sn	02:14.40	-1.02

798.

2023-06-27 time: 7:16:48.83 UTC ML= 1.5
 lat: 48.471N lon: 17.407E h= 0.0 km
 erh= 2.0km erz= 378km
 nr= 6 gap=197 rms=0.28
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.0	19	Pg	7:16:49.90	0.17
			Sg	16:50.68	0.25
MODS	14.5	222	Pg	7:16:51.39	-0.03
			Sg	16:53.73	0.30
JAVC	47.3	24	Sg	7:17:03.48	-0.40
KRUC	99.2	311	Sg	7:17:19.83	-0.55

799.

2023-06-27 time: 8:08:02.31 UTC ML= 1.3
 lat: 48.531N lon: 20.780E h= 0.0 km
 erh= 3.2km erz= ***km
 nr= 9 gap= 97 rms=0.84
 Locality: Tornaszentandrás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.4	256	Pg	8:08:05.84	-0.47
			Sg	08:09.20	-0.23
ABAH	42.9	128	Pg	8:08:10.80	0.83
			Sg	08:15.54	-0.41
PSZ	94.7	224	Pg	8:08:19.30	0.08
			Sg	08:32.60	0.19
NIE	104.5	341	Pg	8:08:22.12	1.15
			Sg	08:34.25	-1.28
KOLS	118.6	68	Sg	8:08:38.00	-2.02

800.

2023-06-27 time: 8:48:54.04 UTC ML= 1.4
 lat: 47.621N lon: 18.369E h= 0.0 km
 erh= 1.8km erz= 175km
 nr= 5 gap=324 rms=0.08
 Locality: Vértesszőlős
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	25.6	176	Pg	8:48:58.64	0.03
			Sg	49:02.20	0.03
CSKK	29.9	196	Pg	8:48:59.33	-0.05
			Sg	49:03.40	-0.13
PKST	47.6	212	Sg	8:49:09.30	0.14

801.

2023-06-27 time: 9:00:25.68 UTC ML= 0.6
 lat: 47.216N lon: 18.277E h= 0.0 km
 erh= 0.6km erz= 200km
 nr= 8 gap=142 rms=0.14
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.4	356	Pg	9:00:28.63	0.02
			Sg	00:31.44	0.55
PKST	18.9	285	Pg	9:00:29.11	0.04
			Sg	00:31.55	-0.15
PKSG	21.3	24	Pg	9:00:29.33	-0.16
			Sg	00:32.44	-0.03
MORH	114.7	166	Sg	9:01:02.18	0.03
PKSM	115.1	166	Sg	9:01:02.40	0.13

802.

2023-06-27 time: 10:00:25.65 UTC ML= 1.6
 lat: 48.151N lon: 16.885E h= 0.0 km
 erh= 3.1km erz= 842km
 nr= 8 gap=148 rms=0.60
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.0	73	Pg	10:00:28.82	0.14
			Sg	00:30.86	-0.18
MODS	38.2	50	Pg	10:00:32.68	0.20
			Sg	00:37.04	-0.76
RONA	66.7	221	Pg	10:00:38.12	0.55
			Sg	00:45.65	-1.21
KRUC	107.5	340	Pg	10:00:45.41	0.56
			Sg	00:58.72	-1.11

803.

2023-06-27 time: 10:54:28.47 UTC ML= 1.5
 lat: 47.937N lon: 20.297E h= 0.0 km
 erh= 3.1km erz= 4.0km
 nr= 8 gap=187 rms=0.54
 Locality: Egerbakta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	30.2	266	Pg	10:54:34.33	0.48
			Sg	54:37.96	-0.09
KECS	62.3	13	Pg	10:54:39.95	0.35
			Sg	54:47.79	-0.50
PENC	77.7	258	Sg	10:54:52.68	-0.49
ABAH	80.7	60	Pg	10:54:43.34	0.45
			Sg	54:53.54	-0.60
PKSG	155.5	247	Sn	10:55:14.12	-1.38

804.

2023-06-28 time: 6:29:18.87 UTC ML= 1.5
 lat: 46.843N lon: 17.270E h= 0.0 km
 erh= 2.3km erz= 873km
 nr= 11 gap=149 rms=0.71
 Locality: Vállus
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.7	29	Pg	6:29:26.03	-0.29
			Sg	29:31.82	-0.32
TIH	47.9	82	Sg	6:29:35.03	0.93
			Pg	6:29:32.53	0.40
PKST	74.2	51	Sg	29:42.39	-0.08
			Sg	6:29:47.79	0.45
KOGS	89.6	241	Sg	6:29:47.79	0.45
PKSG	104.7	54	Sg	6:29:52.09	-0.05

Földrengés paraméterek

Hypocenter Parameters

KOVH 105.4 143 Sg 6:29:53.34 0.97
 RCF6 115.3 241 Sg 6:29:55.61 0.08
 MORH 126.4 123 Sg 6:29:57.33 -1.72
 PKSM 126.5 124 Sg 6:29:57.41 -1.67

805.

2023-06-28 time: 7:32:19.31 UTC ML= 1.5
 lat: 48.430N lon: 17.253E h= 0.0 km
 erh= 1.9km erz= 740km
 nr= 13 gap=110 rms=0.62
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.6	164	PgU	7:32:20.61	0.13
			Sg	32:21.33	-0.06
SMOL	16.0	54	Pg	7:32:22.21	0.05
			Sg	32:24.48	0.09
ZST	28.3	203	Sg	7:32:27.79	-0.52
JAVC	56.8	33	Pg	7:32:29.63	0.18
			Sg	32:36.12	-1.23
KRUC	94.4	318	Pg	7:32:36.84	0.67
			Sg	32:47.55	-1.77
RONA	108.1	221	Pg	7:32:39.22	0.61
			Sg	32:52.10	-1.57
VRAC	109.0	334	Pg	7:32:39.02	0.25
			Sg	32:53.87	-0.08

806.

2023-06-28 time: 7:33:39.49 UTC ML= 1.6
 lat: 47.853N lon: 20.141E h= 0.0 km
 erh= 5.5km erz= 6.1km
 nr= 7 gap=190 rms=0.71
 Locality: Kisnána
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.8	292	Pg	7:33:43.97	0.94
			Sg	33:46.08	0.29
PENC	64.7	264	Sg	7:33:58.52	-1.54
KECS	74.6	20	Sg	7:34:03.52	0.30
ABAH	95.6	59	Pg	7:33:56.17	-0.39
			Sg	34:09.24	-0.63
PKSG	141.2	249	Sn	7:34:23.56	0.21

807.

2023-06-28 time: 7:53:30.11 UTC ML= 1.5
 lat: 48.947N lon: 21.277E h= 0.0 km
 erh= 3.8km erz= 8.4km
 nr= 10 gap= 94 rms=1.02
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	52.3	357	Pg	7:53:40.13	0.68
			Sg	53:44.95	-1.78
ABAH	72.4	182	Pg	7:53:43.89	0.85
			Sg	53:51.66	-1.47
KOLS	73.0	91	Pg	7:53:43.96	0.82
			Sg	53:51.83	-1.48
KECS	77.8	228	Pg	7:53:44.90	0.90
			Sg	53:53.32	-1.51
NIE	87.7	307	Pg	7:53:45.75	-0.02
PSZ	153.5	222	Sn	7:54:15.78	-0.91

808.

2023-06-28 time: 8:04:32.99 UTC ML= 1.4
 lat: 48.892N lon: 20.554E h= 0.0 km
 erh= 3.1km erz= 7.5km
 nr= 11 gap= 86 rms=1.00
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.7	186	Pg	8:04:42.55	1.40
			Sg	04:47.83	0.32
NIE	61.2	343	Sg	8:04:53.49	1.05
STHS	77.1	41	Sg	8:04:57.03	-0.45
ABAH	83.3	143	Sg	8:04:59.28	-0.19
LANS	84.5	290	Pg	8:04:48.50	0.42
			Sg	04:58.42	-1.43
PSZ	118.7	204	Pg	8:04:54.29	0.10
			Sg	05:08.22	-2.51
KOLS	126.1	88	Sg	8:05:11.66	-1.41
OJC	157.5	340	Sn	8:05:19.91	-0.55

809.

2023-06-28 time: 8:21:35.03 UTC ML= 1.8
 lat: 46.886N lon: 17.544E h= 0.0 km
 erh= 1.5km erz= 811km
 nr= 24 gap=101 rms=0.75
 Locality: Szentbékállá
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	26.7	87	Pg	8:21:40.69	0.90
			Sg	21:44.37	0.86
MPLH	31.6	359	Pg	8:21:40.85	0.18
			Sg	21:45.70	0.63
PKST	55.7	42	Pg	8:21:45.23	0.24
			Sg	21:52.20	-0.55
EGYH	61.2	345	Sg	8:21:53.53	-0.96
PKS9	65.3	121	Sg	8:21:55.49	-0.29
BEHE	74.8	232	Pg	8:21:49.93	1.54
			Sg	21:59.16	0.36
CSKK	76.0	46	Pg	8:21:48.75	0.15
			Sg	21:57.99	-1.19
PKSG	85.4	49	Sg	8:22:00.96	-1.21
PKB4	91.9	118	Pg	8:21:51.89	0.44
			Sg	22:04.41	0.16
KOVH	98.4	154	Pg	8:21:52.27	-0.34
			Sg	22:05.26	-1.05
KOGS	110.3	244	Pg	8:21:54.47	-0.26
			Sg	22:09.26	-0.84
MORH	112.6	131	Pg	8:21:55.49	0.36
			Sg	22:09.49	-1.32
PKSM	112.7	132	Pg	8:21:55.56	0.40
			Sg	22:09.73	-1.13
PKSV	123.5	154	Sg	8:22:12.00	-2.30

810.

2023-06-28 time: 9:24:22.25 UTC ML= 1.6
 lat: 48.528N lon: 17.488E h= 0.0 km
 erh= 1.3km erz= 2.2km
 nr= 11 gap=198 rms=0.39
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.6	250	Pg	9:24:23.21	0.13
			Sg	24:23.84	0.12
MODS	23.2	222	Pg	9:24:26.81	0.42
			Sg	24:29.43	-0.19
JAVC	39.2	20	Pg	9:24:29.47	0.23
			Sg	24:34.05	-0.65
ZST	46.7	218	Pg	9:24:30.76	0.18
KRUC	99.8	306	Sg	9:24:53.54	-0.43

Hypocenter Parameters

VRAC 108.7 323 Pg 9:24:41.92 0.26
 CONA 138.0 241 Pn 9:24:45.81 -0.68
 Sn 25:03.73 -1.67

811.

2023-06-28 time: 22:02:25.18 UTC ML= 1.5
 lat: 47.389N lon: 16.847E h= 15.2 km
 erh= 2.0km erz= 1.7km
 nr= 29 gap= 68 rms=0.93
 Locality: Sajtoskál
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
EGYH	36.8	85	Pg	22:02:33.08			0.80
			Sg	02:38.75			0.93
SOP	39.3	326	Pg	22:02:32.62			-0.08
			Sg	02:38.32			-0.24
RONA	53.9	310	PgU	22:02:35.10			-0.08
			Sg	02:42.15			-0.84
MPLH	57.8	115	Pg	22:02:35.04			-0.81
			Sg	02:42.70			-1.47
PKST	91.0	99	S*	22:02:52.52			-1.42
CONA	95.2	309	P*	22:02:41.69			-0.30
			S*	02:53.93			-1.17
WINA	98.7	324	P*	22:02:42.92			0.40
			S*	02:55.87			-0.18
ARSA	101.2	261	Pn	22:02:42.55			-0.34
			Sn	02:55.61			-1.10
BEHE	102.3	183	Sn	22:02:56.09			-0.85
KOGS	114.0	203	Pn	22:02:45.13			0.65
			Sn	02:58.63			-0.91
MODS	114.1	16	Pn	22:02:44.98			0.48
			Sn	02:58.59			-0.98
PKSG	116.6	90	Sn	22:02:59.14			-0.98
SMOL	132.4	19	Sn	22:03:04.31			0.68
RCF6	135.4	210	Sn	22:03:05.47			1.17
GROS	145.4	225	Pn	22:02:50.15			1.76
			Sn	03:06.31			-0.19
PERS	155.9	238	Sn	22:03:11.44			2.60
ABNA	177.3	324	Pn	22:02:54.52			2.15
			Sn	03:16.65			3.07
KRUC	189.0	350	Sn	22:03:17.46			1.27

812.

2023-06-29 time: 6:37:54.12 UTC ML= 1.7
 lat: 47.682N lon: 18.527E h= 0.0 km
 erh= 1.9km erz= 2.9km
 nr= 23 gap=123 rms=1.06
 Locality: Héreg
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SRO	21.7	312	Pg	6:37:58.22			0.23
			Sg	38:01.66			0.65
PKSG	33.8	198	Pg	6:38:00.96			0.80
			Sg	38:05.19			0.32
CSKK	40.7	210	Pg	6:38:02.29			0.90
			Sg	38:06.36			-0.69
BUD	43.4	120	Sg	6:38:07.81			-0.10
PENC	57.9	78	Pg	6:38:04.95			0.49
			Sg	38:11.96			-0.57
PKST	59.9	218	Pg	6:38:06.21			1.40
MPLH	93.7	233	Sg	6:38:23.66			-0.25
EGYH	94.6	252	Sg	6:38:23.54			-0.66
PKB1	101.8	169	Pg	6:38:14.03			1.74
PSZ	105.8	76	Pg	6:38:13.52			0.51
			Sg	38:26.12			-1.63
MODS	120.8	310	Pg	6:38:15.48			-0.22
			Sg	38:30.11			-2.42
MORH	163.2	177	Pn	6:38:21.11			-0.39
			Sn	38:40.21			-2.65
PKSM	163.6	177	Pn	6:38:21.15			-0.41
			Sn	38:40.56			-2.40

Földrengés paraméterek

RONA 167.5 271 Pn 6:38:22.17 0.14
 Sn 38:40.83 -2.97

813.

2023-06-29 time: 9:08:23.82 UTC ML= 0.8
 lat: 47.182N lon: 18.326E h= 0.0 km
 erh= 2.2km erz= 540km
 nr= 7 gap=156 rms=0.36
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	20.8	346	Pg	9:08:27.80			0.28
			Sg	08:29.74			-0.68
PKST	23.7	291	Pg	9:08:28.51			0.46
			Sg	08:31.01			-0.34
PKSG	23.9	12	Pg	9:08:27.96			-0.12
			Sg	08:31.48			0.08
PKSM	110.5	167	Sg	9:08:58.54			-0.40

814.

2023-06-29 time: 9:17:55.43 UTC ML= 1.4
 lat: 48.553N lon: 20.848E h= 0.0 km
 erh= 1.4km erz= 499km
 nr= 10 gap= 90 rms=0.39
 Locality: Hidvégardó
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	27.9	254	Pg	9:18:00.28			-0.13
			Sg	18:03.80			-0.50
ABAH	40.7	135	Pg	9:18:02.63			-0.07
			Sg	18:08.58			0.21
PSZ	100.0	225	Pg	9:18:13.35			0.06
			Sg	18:27.44			0.22
NIE	103.9	338	Pg	9:18:14.60			0.61
			Sg	18:28.46			0.00
KOLS	113.0	68	Sg	9:18:30.65			-0.70
LANS	121.1	303	Sg	9:18:31.66			-2.27

815.

2023-06-29 time: 9:55:23.66 UTC ML= 1.3
 lat: 47.623N lon: 18.350E h= 0.0 km
 erh= 6.2km erz= 3.2km
 nr= 8 gap=309 rms=0.87
 Locality: Baj
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	25.9	173	Pg	9:55:28.70			0.41
			Sg	55:31.65			-0.24
CSKK	29.7	193	Pg	9:55:29.68			0.72
			Sg	55:33.10			0.00
PKST	47.0	210	Sg	9:55:38.60			0.01
MORH	158.0	172	Sn	9:56:11.19			-0.07
PKSM	158.4	172	Sn	9:56:08.14			-3.21
BEHE	175.3	223	Sn	9:56:12.99			-2.11

816.

2023-06-29 time: 10:49:18.14 UTC ML= 1.5
 lat: 47.818N lon: 20.183E h= 0.0 km
 erh= 4.0km erz= 4.7km
 nr= 9 gap=140 rms=0.65
 Locality: Vécs
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	24.3	297	Pg	10:49:23.07			0.59
			Sg	49:25.89			0.03
PENC	67.6	267	Sg	10:49:39.04			-0.58

Földrengés paraméterek

Hypocenter Parameters

KECS 77.3 17 Pg 10:49:32.62 0.67
 Sg 49:41.86 -0.86
 ABAH 95.0 56 Pg 10:49:35.60 0.48
 Sg 49:47.49 -0.86
 LTVH 137.9 110 Sn 10:50:00.64 -0.63
 PKSG 142.8 251 Sn 10:50:01.34 -1.03

817.

2023-06-29 time: 11:07:30.69 UTC ML= 1.4
 lat: 47.881N lon: 16.091E h= 0.0 km
 erh= 4.0km erz= 6.3km
 nr= 9 gap= 84 rms=0.98
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.9	287	Pg	11:07:34.66	0.77
			Sg	07:36.62	0.23
RONA	25.4	143	Pg	11:07:36.15	0.93
			Sg	07:38.89	0.13
ARSA	82.1	211	Sg	11:07:54.54	-2.25
MODS	103.9	58	Sg	11:08:02.84	-0.88
KRUC	133.2	10	Pn	11:07:54.70	0.37
			Sn	08:10.90	-1.88
VRAC	163.0	13	Sn	11:08:18.78	-0.60

818.

2023-06-29 time: 12:18:40.83 UTC ML= 2.1
 lat: 48.217N lon: 21.239E h= 0.0 km
 erh= 4.1km erz= 4.4km
 nr= 12 gap=101 rms=1.17
 Locality: Rátka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	8.7	0	PgU	12:18:43.21	0.81
			Sg	18:43.71	0.10
KECS	63.1	298	Pg	12:18:53.28	1.17
			Sg	19:00.00	-0.91
PSZ	105.5	252	Pg	12:19:01.00	1.32
			Sg	19:13.34	-1.04
KOLS	110.3	44	Pg	12:19:01.07	0.54
			Sg	19:14.46	-1.43
NIE	149.9	333	Sn	12:19:25.63	-0.99
SF5A	157.9	241	Pn	12:19:05.47	-2.09
LANS	166.6	309	Sn	12:19:31.55	1.21
DRGR	193.5	145	Sn	12:19:35.42	-0.88

819.

2023-06-30 time: 5:25:53.39 UTC ML= 0.5
 lat: 47.622N lon: 16.005E h= 10.0 km
 erh= 6.4km erz=32.0km
 nr= 6 gap=153 rms=0.87
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	23.5	68	Pg	5:25:58.21	0.26
			Sg	26:01.66	0.15
CONA	35.7	343	Pg	5:26:00.95	0.94
			Sg	26:04.79	-0.39
WINA	54.2	5	Sg	5:26:08.68	-2.23
ARSA	55.0	221	Sg	5:26:10.58	-0.58

820.

2023-06-30 time: 7:58:56.63 UTC ML= 1.8
 lat: 48.161N lon: 21.330E h= 0.0 km
 erh= 3.0km erz= 4.3km
 nr= 11 gap=107 rms=0.89
 Locality: Bodrogkeresztúr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	16.4	336	Pg	7:59:00.49	0.92
			Sg	59:02.99	1.13
KECS	72.1	300	Pg	7:59:09.79	0.28
			Sg	59:19.74	0.18
LTVH	96.3	154	Sg	7:59:25.68	-1.57
PSZ	110.4	256	Pg	7:59:16.92	0.57
			Sg	59:30.07	-1.65
KOLS	110.5	39	Pg	7:59:15.98	-0.39
			Sg	59:30.77	-1.00
NIE	158.6	332	Sn	7:59:43.21	-1.14
DRGR	184.5	146	Sn	7:59:51.00	0.91

821.

2023-06-30 time: 8:28:15.21 UTC ML= 1.3
 lat: 46.880N lon: 17.240E h= 0.0 km
 erh= 7.2km erz=12.3km
 nr= 7 gap=144 rms=1.04
 Locality: Zalaszentő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	39.5	35	Pg	8:28:23.13	0.87
			Sg	28:26.88	-0.88
PKST	73.6	55	Pg	8:28:29.62	1.27
			Sg	28:36.82	-1.78
SOP	103.1	330	Sg	8:28:47.46	-0.53
KOVH	110.0	143	Sg	8:28:49.42	-0.76
ARSA	136.8	288	Sn	8:28:57.48	-0.61

822.

2023-06-30 time: 9:34:17.37 UTC ML= 1.6
 lat: 46.735N lon: 22.760E h= 0.0 km
 erh= 3.5km erz= 2.0km
 nr= 8 gap=210 rms=0.31
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	7.4	329	Pg	9:34:18.29	-0.40
			Sg	34:20.01	0.29
SURR	119.5	204	Pg	9:34:39.03	0.32
			Sg	34:55.46	0.10
GZR	149.1	180	Pn	9:34:43.33	0.33
			Sn	35:02.90	-0.08
BZS	152.4	215	Pn	9:34:43.02	-0.40
			Sn	35:03.68	-0.05

823.

2023-06-30 time: 10:58:26.19 UTC ML= 1.5
 lat: 47.341N lon: 16.357E h= 0.0 km
 erh= 3.7km erz= 4.9km
 nr= 14 gap=164 rms=0.93
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	40.2	353	Pg	10:58:33.44	0.07
			Sg	58:38.22	-0.74
SOP	41.0	22	Pg	10:58:33.84	0.32
			Sg	58:39.39	0.16
ARSA	63.9	261	Pg	10:58:39.39	1.79

Hypocenter Parameters

		Sg	58:46.31	-0.18
CONA	75.2 330	Pg	10:58:39.97	0.35
		Sg	58:49.25	-0.85
RCF6	116.0 195	Sg	10:59:02.48	-0.59
GROS	117.5 214	Sg	10:59:02.70	-0.85
SOKA	124.8 234	Sg	10:59:04.44	-1.42
MODS	133.9 31	Sn	10:59:06.08	-2.36
KRUC	191.4 1	Pn	10:58:58.18	1.09
		Sn	59:20.48	-0.71

824.

2023-06-30 time: 13:25:50.56 UTC ML= 1.2
 lat: 47.906N lon: 16.438E h= 0.0 km
 erh= 4.3km erz= ***km
 nr= 9 gap=154 rms=0.92
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	25.3	205	Pg	13:25:55.48	0.40
			Sg	25:57.40	-1.20
CONA	43.1	273	Pg	13:25:59.16	0.90
			Sg	26:04.37	0.10
MODS	81.3	50	Pg	13:26:06.10	1.03
			Sg	26:16.34	-0.05
ARSA	100.3	223	Sg	13:26:21.65	-0.78
KRUC	128.5	359	Pg	13:26:12.66	-0.85
			Sg	26:28.90	-2.52

825.

2023-07-01 time: 14:33:34.26 UTC ML= 1.8
 lat: 46.125N lon: 16.556E h= 12.5 km
 erh= 1.7km erz= 1.3km
 nr= 13 gap=157 rms=0.45
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	42.0	24	Pg	14:33:42.20	0.12
			Sg	33:47.68	-0.50
KOGS	43.0	327	Pg	14:33:42.99	0.73
			Sg	33:48.33	-0.16
GROS	89.4	295	Pg	14:33:50.38	-0.01
			Sg	34:01.12	-1.84
CRES	91.4	249	Pg	14:33:50.60	-0.14
			Sg	34:03.35	-0.25
KOVH	119.4	92	Pn	14:33:55.10	0.51
			Sn	34:09.70	-0.75
PERS	124.5	297	Sn	14:34:11.18	-0.39
SOKA	132.3	298	Sn	14:34:13.07	-0.24
ARSA	148.0	328	Sn	14:34:17.13	0.34

826.

2023-07-01 time: 16:23:20.14 UTC ML= 2.2
 lat: 46.062N lon: 21.585E h= 15.7 km
 erh= 5.5km erz= 4.7km
 nr= 9 gap=189 rms=0.82
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	45.9	218	Pg	16:23:28.79	-0.01
BZS	49.5	177	PgU	16:23:29.33	-0.09
			Sg	23:36.26	-0.40
SURR	54.1	129	Sg	16:23:36.98	-1.06
DRGR	118.7	47	Pn	16:23:40.06	0.11
			Sn	23:53.75	-1.66
GZR	118.9	129	Pn	16:23:41.19	1.21
			Sn	23:55.39	-0.06
CJR	171.0	65	Sn	16:24:09.71	2.69

Földrengés paraméterek

827.

2023-07-02 time: 6:10:27.75 UTC ML= 1.5
 lat: 45.879N lon: 16.029E h= 2.9 km
 erh= 1.1km erz= 1.5km
 nr= 7 gap=264 rms=0.10
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	4.8	198	PgU	6:10:28.61	-0.14
PTJ	6.0	293	Pg	6:10:28.91	-0.03
			Sg	10:29.92	0.05
ZAG	6.2	206	Pg	6:10:29.02	0.05
			Sg	10:30.00	0.08
CRES	44.8	262	Pg	6:10:35.90	0.13
			Sg	10:41.85	-0.18

828.

2023-07-02 time: 14:19:17.37 UTC ML= 1.3
 lat: 46.468N lon: 17.767E h= 15.8 km
 erh= 2.1km erz= 2.1km
 nr= 9 gap=157 rms=0.27
 Locality: Magyarereg
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	49.4	149	Pg	14:19:26.58	-0.05
			Sg	19:33.56	-0.29
PKSM	73.1	113	Pg	14:19:31.03	0.31
			Sg	19:41.31	0.18
MORH	73.1	113	Pg	14:19:30.94	0.22
			Sg	19:40.94	-0.20
PKB5	75.6	79	S*	14:19:41.59	-0.29
PKB1	86.0	66	P*	14:19:32.60	-0.12
KOGS	116.5	269	Sn	14:19:49.15	-3.00*

829.

2023-07-03 time: 2:07:24.39 UTC ML= 1.6
 lat: 45.968N lon: 16.158E h= 10.0 km
 erh= 5.8km erz= 5.9km
 nr= 10 gap=142 rms=0.79
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	17.3	244	Pg	2:07:28.86	0.90
			Sg	07:30.07	-0.67
R971	18.5	218	PgU	2:07:28.72	0.58
			Sg	07:29.86	-1.21
ZAG	20.0	220	Pg	2:07:29.09	0.70
			Sg	07:30.58	-0.93
KOGS	53.9	8	Pg	2:07:33.28	-0.90
CRES	56.7	254	Pg	2:07:35.36	0.69
			Sg	07:41.62	-1.07
BLY	157.5	149	Pn	2:07:49.64	-0.15

830.

2023-07-03 time: 6:54:17.03 UTC ML= 1.0
 lat: 47.952N lon: 16.063E h= 0.0 km
 erh= 2.1km erz= 646km
 nr= 7 gap=112 rms=0.45
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.3	260	Pg	6:54:19.77	0.02
			Sg	54:21.69	-0.19
RONA	33.1	148	Pg	6:54:22.90	-0.03
			Sg	54:27.05	-0.48
MODS	101.8	63	Sg	6:54:49.98	0.60

Földrengés paraméterek

Hypocenter Parameters

KRUC 125.8 11 Pg 6:54:39.88 0.38
Sg 54:55.30 -1.72

Sg 13:12.02 -1.43
LANS 147.2 333 Sn 8:13:36.75 1.26

831.

2023-07-03 time: 7:56:32.84 UTC ML= 1.6
lat: 48.249N lon: 21.697E h= 2.3 km
erh= 3.0km erz= 3.7km
nr= 12 gap=103 rms=0.67
Locality: Tiszakarád
Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	34.3	279	Pg	7:56:39.54	0.55
			Sg	56:44.24	0.46
TRPA	64.0	102	Pg	7:56:44.39	0.11
			Sg	56:52.26	-0.95
KOLS	87.2	29	Pg	7:56:48.74	0.32
			Sg	56:59.73	-0.83
KECS	93.4	286	Pg	7:56:49.15	-0.38
			Sg	57:00.91	-1.64
PSZ	139.2	255	Pn	7:56:57.64	0.71
			Sn	57:14.76	-0.96
DRGR	179.1	155	Pn	7:57:02.75	0.84
			Sn	57:24.11	-0.47

832.

2023-07-03 time: 8:31:54.74 UTC ML= 1.5
lat: 48.562N lon: 20.792E h= 0.0 km
erh= 2.9km erz= 340km
nr= 5 gap=243 rms=0.16
Locality: Tornanádaska
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.3	249	Pg	8:31:59.17	0.09
			Sg	32:02.70	0.23
ABAH	44.4	132	Sg	8:32:08.95	0.08
PSZ	97.9	223	Pg	8:32:12.00	-0.22
			Sg	32:25.78	-0.07

833.

2023-07-03 time: 10:46:34.72 UTC ML= 1.8
lat: 46.951N lon: 22.796E h= 0.0 km
erh= 4.6km erz= 1.7km
nr= 6 gap=329 rms=0.75
Locality: Romania
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	18.8	200	Pg	10:46:38.76	0.68
			Sg	46:41.11	0.41
GZR	173.1	180	Pn	10:47:03.65	0.31
			Sn	47:24.31	-1.35
BZS	173.9	212	Pn	10:47:02.97	-0.47
			Sn	47:24.31	-1.53

834.

2023-07-04 time: 8:12:50.30 UTC ML= 1.4
lat: 47.975N lon: 20.386E h= 0.0 km
erh= 5.0km erz= 6.7km
nr= 7 gap=200 rms=0.73
Locality: Felsőtárkány
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	37.3	260	Pg	8:12:56.84	-0.12
			Sg	13:01.30	-0.85
KECS	56.9	7	Pg	8:13:00.63	0.16
			Sg	13:07.87	-0.53
ABAH	72.8	61	Pg	8:13:04.12	0.82

835.

2023-07-04 time: 8:14:18.49 UTC ML= 1.3
lat: 48.567N lon: 20.796E h= 0.0 km
erh= 7.4km erz= 913km
nr= 6 gap=245 rms=0.53
Locality: Tornanádaska
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.7	248	Pg	8:14:22.59	-0.32
			Sg	14:26.23	-0.13
ABAH	44.6	133	Pg	8:14:26.14	-0.31
			Sg	14:32.85	0.19
PSZ	98.4	223	Pg	8:14:37.07	1.00
			Sg	14:49.26	-0.52

836.

2023-07-04 time: 8:29:39.67 UTC ML= 1.8
lat: 48.440N lon: 17.212E h= 0.0 km
erh= 1.6km erz= 664km
nr= 15 gap= 84 rms=0.57
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	8.9	147	PgU	8:29:41.16	-0.09
			Sg	29:42.76	0.27
SMOL	18.0	63	Pg	8:29:42.99	0.10
			Sg	29:44.87	-0.52
ZST	28.3	197	Pg	8:29:44.87	0.14
			Sg	29:47.69	-0.99
JAVC	57.6	36	Pg	8:29:50.47	0.52
			Sg	29:56.69	-1.28
KRUC	91.6	319	Pg	8:29:56.53	0.51
			Sg	30:07.49	-1.29
VRAC	106.7	335	Pg	8:29:59.19	0.47
			Sg	30:13.28	-0.30
RONA	106.9	220	Pg	8:29:59.14	0.37
CONA	115.4	240	Pg	8:30:00.44	0.16
			Sg	30:14.74	-1.62

837.

2023-07-04 time: 9:06:43.54 UTC ML= 1.5
lat: 47.740N lon: 18.688E h= 0.0 km
erh= 4.1km erz= ***km
nr= 10 gap=134 rms=0.88
Locality: Tokod
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	44.7	210	Pg	9:06:52.39	0.87
			Sg	06:57.47	-0.28
PENC	44.9	83	Pg	9:06:52.23	0.68
			Sg	06:57.86	0.06
CSKK	52.8	218	Pg	9:06:53.72	0.75
			Sg	06:59.59	-0.74
PKST	72.7	223	Sg	9:07:05.65	-0.99
PSZ	92.5	78	Sg	9:07:11.13	-1.81
MPLH	107.3	234	Sg	9:07:15.86	-1.79
MODS	126.6	304	Pg	9:07:06.31	0.16

Hypocenter Parameters

Földrengés paraméterek

838.

2023-07-04 time: 9:33:08.42 UTC ML= 1.4
 lat: 47.872N lon: 16.037E h= 0.0 km
 erh= 1.9km erz= 2.3km
 nr= 11 gap= 86 rms=0.90
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	14.5	295	Pg	9:33:11.92			0.90
			Sg		33:14.23		1.19
RONA	27.3	135	Pg	9:33:13.79			0.49
			Sg		33:17.71		0.61
ARSA	79.2	209	Sg	9:33:32.81			-0.79
MODS	107.9	59	Pg	9:33:28.27			0.58
			Sg		33:42.01		-0.70
KRUC	134.9	11	Pn	9:33:32.11			-0.17
			Sn		33:48.93		-1.96
VRAC	164.9	14	Sn	9:33:55.82			-1.72
RCF6	171.2	182	Sn	9:33:58.09			-0.85

839.

2023-07-04 time: 10:12:02.50 UTC ML= 1.6
 lat: 46.139N lon: 22.780E h= 0.0 km
 erh= 4.3km erz= 9.0km
 nr= 8 gap=119 rms=0.89
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	30.0	161	Sg	10:12:11.54			-0.50
SURR	66.4	230	Sg	10:12:24.71			1.09
DRGR	72.7	356	Pg	10:12:16.43			0.94
			Sg		12:23.81		-1.81
GZR	82.9	180	Pg	10:12:17.37			0.07
			Sg		12:27.70		-1.15
BZS	107.4	237	Sg	10:12:36.36			-0.27
VOIR	193.0	114	Sn	10:12:58.44			0.59

840.

2023-07-04 time: 11:01:35.04 UTC ML= 1.1
 lat: 47.207N lon: 18.291E h= 0.0 km
 erh= 2.5km erz= 6.4km
 nr= 11 gap=109 rms=0.89
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	17.6	352	Pg	11:01:38.25			0.07
			Sg		01:40.26		-0.37
PKST	20.3	287	Pg	11:01:38.58			-0.08
			Sg		01:40.96		-0.53
PKSG	21.9	20	Pg	11:01:39.58			0.62
			Sg		01:41.83		-0.19
MPLH	57.1	266	Pg	11:01:45.72			0.48
MORH	113.4	166	Pg	11:01:55.98			0.69
PKSM	113.8	166	Pg	11:01:55.54			0.18
KOVH	125.2	187	Sg	11:02:11.04			-3.78
PSZ	144.3	57	Sn	11:02:16.21			-3.38

841.

2023-07-04 time: 23:37:17.90 UTC ML= 0.9
 lat: 47.827N lon: 16.475E h= 9.9 km
 erh= 2.7km erz= 2.8km
 nr= 13 gap=114 rms=0.76
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	17.2	159	Pg	23:37:21.12			-0.31

			Sg	37:23.50			-0.69
RONA	19.5	223	Pg	23:37:23.46			1.67
			Sg		37:23.23		-1.60
WINA	43.2	316	Pg	23:37:26.18			0.37
			Sg		37:32.14		0.15
CONA	47.2	284	Sg	23:37:33.24			0.02
MODS	85.3	45	Pg	23:37:32.97			-0.25
			Sg		37:44.79		-0.39
ABNA	121.6	320	Pn	23:37:39.64			0.81
			Sn		37:54.03		-1.12
KRUC	137.4	358	Pn	23:37:40.98			0.17
			Sn		37:58.35		-0.32

842.

2023-07-05 time: 3:56:48.06 UTC ML= 2.3
 lat: 45.611N lon: 16.052E h= 7.3 km
 erh= 1.4km erz= 1.2km
 nr= 42 gap=122 rms=0.63
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	24.7	350	Pg	3:56:52.92			0.27
			Sg		56:56.92		0.69
R971	25.4	353	PgD	3:56:52.95			0.17
PTJ	33.0	347	PgD	3:56:53.87			-0.22
			Sg		56:59.58		0.79
GCIS	43.6	311	iPgC	3:56:56.20			0.25
			iSg		57:01.88		-0.23
CRES	52.1	297	Pg	3:56:57.47			0.01
			Sg		57:05.04		0.25
GOLS	55.5	323	ePg	3:56:58.16			0.11
			iSg		57:05.39		-0.46
BOJS	63.6	259	iPg	3:56:59.26			-0.22
			eSg		57:07.10		-1.29
R93E	69.4	110	Pg	3:57:00.15			-0.36
RCF6	80.6	355	Sg	3:57:13.18			-0.61
KOGS	94.3	9	Pg	3:57:04.44			-0.52
			Sg		57:17.72		-0.41
GROS	103.7	336	Pg	3:57:06.45			-0.16
			Sg		57:19.34		-1.74
BEHE	110.8	30	Pg	3:57:08.39			0.51
			Sg		57:22.42		-0.92
BLY	130.8	137	Pn	3:57:10.47			0.00
			Sn		57:26.61		-1.33
PERS	134.9	328	Pn	3:57:11.62			0.63
			Sn		57:27.45		-1.42
SOKA	142.4	326	Pn	3:57:12.76			0.84
			Sn		57:29.29		-1.23
OBKA	153.3	311	Pn	3:57:14.49			1.21
			Sn		57:33.85		0.90
ROB8	165.3	279	Sn	3:57:37.78			2.17
KOVH	167.7	72	Pn	3:57:15.64			0.56
			Sn		57:35.77		-0.38
PKSV	174.0	80	Sn	3:57:36.79			-0.75
ARSA	186.7	347	Pn	3:57:17.88			0.43
PKSM	211.8	72	Sn	3:57:47.86			1.94
MORH	212.1	72	Sn	3:57:48.06			2.06
RONA	233.0	5	Pn	3:57:23.78			0.57
SOP	233.6	10	Pn	3:57:23.63			0.33
CONA	258.0	357	Pn	3:57:26.11			-0.23
			Sn		57:55.03		-1.17
WINA	277.5	0	Pn	3:57:28.13			-0.64
			Sn		58:00.06		-0.47

843.

2023-07-05 time: 7:11:42.32 UTC ML= 1.7
 lat: 48.121N lon: 21.373E h= 0.0 km
 erh= 6.0km erz= 5.6km
 nr= 8 gap=169 rms=1.37
 Locality: Tokaj
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ABAH	21.9	333	Pg	7:11:47.53	1.31
			Sg	11:49.89	0.62
KECS	77.2	301	Pg	7:11:57.62	1.52
			Sg	12:06.46	-0.40
TRPA	86.8	89	Sg	7:12:09.05	-0.86
PSZ	112.6	258	Sg	7:12:16.11	-1.99
STHS	144.4	356	Sn	7:12:24.72	-2.17
NIE	164.1	332	Sn	7:12:30.19	-1.06

844.

2023-07-05 time: 7:23:04.77 UTC ML= 1.1
 lat: 46.114N lon: 18.116E h= 0.0 km
 erh= 2.2km erz= 435km
 nr= 8 gap=198 rms=0.31
 Locality: Kővágóttős
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	3.2	203	Pg	7:23:04.96	-0.37
			Sg	23:06.05	0.28
PKSV	27.2	157	Sg	7:23:13.50	0.07
PKSM	42.0	75	Pg	7:23:12.31	0.04
			Sg	23:17.92	-0.20
MORH	42.3	75	Pg	7:23:12.93	0.60
			Sg	23:17.94	-0.29
PKB4	56.7	42	Pg	7:23:14.77	-0.13

845.

2023-07-05 time: 8:51:56.88 UTC ML= 0.7
 lat: 47.276N lon: 18.212E h= 0.0 km
 erh= 1.7km erz= 431km
 nr= 7 gap=121 rms=0.29
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.3	21	Pg	8:51:58.86	0.14
			Sg	52:00.62	0.46
PKST	13.6	262	Pg	8:51:59.09	-0.22
			Sg	52:01.31	0.11
PKSG	18.6	46	Pg	8:51:59.88	-0.33
			Sg	52:02.41	-0.39
PKB1	70.2	141	Pg	8:52:09.75	0.33

846.

2023-07-05 time: 9:26:40.37 UTC ML= 1.2
 lat: 47.854N lon: 16.023E h= 0.0 km
 erh= 1.2km erz= 2.3km
 nr= 9 gap= 95 rms=0.69
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.6	304	Pg	9:26:43.40	0.42
			Sg	26:46.30	1.29
RONA	26.7	130	Pg	9:26:45.13	-0.01
			Sg	26:49.20	0.33
ARSA	77.0	209	Sg	9:27:04.53	-0.31
MODS	109.8	58	Pg	9:27:00.27	0.30
			Sg	27:15.18	-0.08
KRUC	137.0	12	Pn	9:27:03.67	-0.82
			Sn	27:20.81	-2.49

847.

2023-07-05 time: 9:52:41.28 UTC ML= 1.3
 lat: 47.556N lon: 18.655E h= 0.0 km
 erh=28.2km erz=20.0km
 nr= 8 gap=192 rms=0.79
 Locality: Szomor
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	27.0	228	Pg	9:52:47.11	1.00
			Sg	52:49.81	-0.07
CSKK	36.7	234	Pg	9:52:48.17	0.34
			Sg	52:51.46	-1.48
PKST	57.3	235	Sg	9:52:58.25	-1.26
PSZ	101.3	67	Sg	9:53:13.02	-0.46
MORH	149.0	180	Sn	9:53:27.12	0.25
PKSM	149.4	180	Sn	9:53:27.19	0.22

848.

2023-07-05 time: 23:43:41.32 UTC ML= 2.0
 lat: 45.615N lon: 16.060E h= 10.0 km
 erh= 1.8km erz= 1.2km
 nr= 37 gap=121 rms=0.72
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	24.3	348	Pg	23:43:46.11	0.09
			Sg	43:49.85	0.17
R971	25.0	351	PgD	23:43:46.16	0.02
PTJ	32.6	346	PgD	23:43:47.13	-0.29
			Sg	43:51.97	-0.20
GCIS	43.8	310	iPgC	23:43:49.52	0.18
			iSg	43:55.20	-0.39
CRES	52.5	297	PgD	23:43:50.74	-0.12
			Sg	43:58.41	0.11
GOLS	55.5	322	iPg	23:43:51.31	-0.08
BOJS	64.3	259	iPg	23:43:52.62	-0.32
R93E	68.9	111	Pg	23:43:53.21	-0.55
RCF6	80.2	354	Pg	23:43:55.61	-0.14
			Sg	44:07.29	0.28
KOGS	93.8	9	Pg	23:43:57.73	-0.43
			Sg	44:11.20	-0.09
GROS	103.5	335	P*	23:44:00.56	0.69
			S*	44:12.35	-1.99
BEHE	110.0	30	Sn	23:44:14.84	-1.14
BLY	130.7	137	Pn	23:44:03.00	-0.37
			Sn	44:19.30	-1.27
PERS	134.8	327	Pn	23:44:04.66	0.77
			Sn	44:20.53	-0.97
SOKA	142.3	326	Pn	23:44:05.99	1.17
			Sn	44:22.91	-0.24
OBKA	153.4	310	Pn	23:44:08.52	2.31
			Sn	44:26.10	0.48
KOVH	167.0	72	Pn	23:44:09.80	1.91
			Sn	44:29.54	0.92
PKSV	173.3	80	Sn	23:44:30.46	0.43
ARSA	186.4	347	Pn	23:44:09.61	-0.71
			Sn	44:31.49	-1.45
PKSM	211.0	72	Sn	23:44:41.74	3.35*
MORH	211.3	72	Sn	23:44:41.74	3.27*
RONA	232.4	4	Pn	23:44:17.34	1.28
CONA	257.6	357	Pn	23:44:19.70	0.50
			Sn	44:47.55	-1.19

849.

2023-07-06 time: 6:56:44.26 UTC ML= 1.5
 lat: 48.521N lon: 19.311E h= 0.0 km
 erh= 3.0km erz= 8.0km
 nr= 10 gap=106 rms=1.00
 Locality: Slovakia
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
LANS	70.9	9	Sg	6:57:06.45	-0.35
PSZ	79.9	147	Pg	6:56:59.37	0.85
			Sg	57:08.40	-1.25
PENC	81.3	182	Sg	6:57:10.15	0.05
KECS	86.9	93	Pg	6:57:00.23	0.44
			Sg	57:10.64	-1.25
NIE	123.9	36	Pg	6:57:06.45	0.07
			Sg	57:21.75	-1.89
JAVC	126.5	287	Sg	6:57:23.37	-1.09
ABAH	145.0	100	Pn	6:57:11.09	1.72

850.

2023-07-06 time: 7:47:36.66 UTC ML= 1.6
 lat: 46.757N lon: 22.805E h= 0.0 km
 erh= 5.0km erz= 4.2km
 nr= 6 gap=242 rms=0.41
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	8.2	298	Pg	7:47:37.79	-0.33
			Sg	47:39.56	0.30
SURR	123.2	205	Sg	7:48:15.83	0.01
GZR	151.6	181	Pn	7:48:02.99	0.40
			Sn	48:23.19	0.37
BZS	156.5	216	Sn	7:48:22.99	-0.92

851.

2023-07-06 time: 7:59:00.09 UTC ML= 0.9
 lat: 47.090N lon: 17.959E h= 0.0 km
 erh= 3.0km erz= ***km
 nr= 10 gap=111 rms=0.88
 Locality: Kádárta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.6	17	Pg	7:59:03.18	-0.41
			Sg	59:05.24	-1.09
MPLH	33.0	286	Pg	7:59:06.57	0.59
			Sg	59:10.27	-0.31
CSKK	38.0	37	Sg	7:59:12.58	0.41
PKSG	46.9	44	Pg	7:59:09.35	0.90
PKS9	61.0	156	Sg	7:59:21.70	2.21
MORH	110.5	152	Sg	7:59:34.49	-0.71
PKSM	110.7	152	Sg	7:59:34.51	-0.78
KOVH	111.9	174	Sg	7:59:34.35	-1.30

852.

2023-07-06 time: 8:05:54.53 UTC ML= 0.9
 lat: 46.153N lon: 18.319E h= 0.0 km
 erh= 2.6km erz= 491km
 nr= 7 gap=187 rms=0.33
 Locality: Vasas
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.4	247	Pg	8:05:57.44	-0.37
			Sg	06:00.41	0.04
PKSM	25.8	75	Pg	8:05:59.40	0.27
			Sg	06:02.34	-0.38
MORH	26.1	74	Pg	8:05:59.55	0.36
			Sg	06:02.34	-0.48
PKSV	29.8	190	Sg	8:06:04.26	0.26

853.

2023-07-06 time: 8:10:35.72 UTC ML= 1.4
 lat: 48.554N lon: 20.812E h= 0.0 km
 erh= 2.9km erz= 6.9km
 nr= 10 gap= 92 rms=0.95
 Locality: Hidvégdárdó
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.4	252	Pg	8:10:39.88	-0.37
			Sg	10:43.25	-0.53
ABAH	42.7	132	Sg	8:10:51.07	1.79
PSZ	98.2	224	Pg	8:10:53.97	0.72
			Sg	11:06.25	-0.67
STHS	101.1	18	Sg	8:11:06.96	-0.88
NIE	102.9	339	Pg	8:10:55.30	1.20
			Sg	11:08.06	-0.38
KOLS	115.5	69	Sg	8:11:11.42	-1.00
TRPA	136.4	110	Sn	8:11:16.94	-1.57

854.

2023-07-06 time: 9:16:46.07 UTC ML= 1.3
 lat: 47.236N lon: 18.346E h= 0.0 km
 erh= 3.4km erz= 7.5km
 nr= 5 gap=206 rms=0.17
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.6	336	Sg	9:16:51.03	0.01
PKST	23.7	276	Pg	9:16:50.60	0.30
			Sg	16:53.48	-0.12
MPLH	61.5	263	Pg	9:16:56.96	-0.10
PSZ	139.1	57	Pn	9:17:10.30	-0.15

855.

2023-07-06 time: 9:47:27.19 UTC ML= 0.8
 lat: 47.881N lon: 16.085E h= 0.0 km
 erh= 2.9km erz= 5.1km
 nr= 6 gap=132 rms=0.49
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.5	287	Pg	9:47:30.36	0.05
			Sg	47:33.26	0.51
RONA	25.7	142	Pg	9:47:32.08	0.31
			Sg	47:35.53	0.19
ARSA	81.9	211	Sg	9:47:51.49	-1.73
KRUC	133.3	10	Pn	9:47:50.51	-0.33

856.

2023-07-06 time: 9:59:43.23 UTC ML= 1.7
 lat: 48.189N lon: 16.924E h= 0.0 km
 erh= ---km erz= ---km
 nr= 4 gap=326 rms=0.01
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	13.3	86	Pg	9:59:45.60	-0.01
			Sg	59:47.48	0.01
MODS	33.3	52	Pg	9:59:49.20	0.01
			Sg	59:53.82	-0.01

Földrengés paraméterek

Hypocenter Parameters

857.

 2023-07-06 time: 10:35:22.10 UTC ML= 1.3
 lat: 47.850N lon: 19.185E h= 0.0 km
 erh= 5.0km erz= 883km
 nr= 6 gap=209 rms=0.54
 Locality: Ósagárd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	9.9	133	Pg	10:35:24.49	0.62
			Sg	35:25.16	-0.08
PSZ	53.6	82	Pg	10:35:31.75	0.07
			Sg	35:38.76	-0.39
PKST	108.7	233	Pg	10:35:41.52	0.00
			Sg	35:54.89	-1.77

858.

 2023-07-06 time: 11:10:18.73 UTC ML= 2.0
 lat: 46.661N lon: 21.599E h= 15.3 km
 erh= 4.9km erz= 7.4km
 nr= 16 gap=138 rms=1.26
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
LTVH	83.7	16	P*	11:10:32.85	-0.93
			S*	10:44.41	-1.10
DRGR	86.2	80	P*	11:10:33.73	-0.43
			S*	10:44.18	-2.02
SURR	108.6	158	Pn	11:10:37.31	-0.04
			Sn	10:50.22	-1.66
BZS	116.1	179	Pn	11:10:38.45	0.17
			Sn	10:52.27	-1.26
DEV	132.6	131	Sn	11:10:57.17	-0.02
CJR	153.0	88	Pn	11:10:44.38	1.49
			Sn	11:03.22	1.48
GZR	167.8	147	Pn	11:10:46.98	2.25
			Sn	11:05.60	0.59
TRPA	178.1	23	Sn	11:11:08.88	1.57
PSZ	190.2	317	Pn	11:10:49.45	1.92
			Sn	11:07.84	-2.15

859.

 2023-07-06 time: 11:17:03.99 UTC ML= 1.5
 lat: 46.327N lon: 22.941E h= 0.0 km
 erh= 3.4km erz= 629km
 nr= 7 gap=206 rms=0.42
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	54.6	341	Pg	11:17:13.40	-0.34
			Sg	17:21.39	0.05
SURR	89.7	225	Sg	11:17:32.77	0.27
GZR	104.5	187	Pg	11:17:22.96	0.30
			Sg	17:36.03	-1.19
BZS	129.5	232	Pg	11:17:27.50	0.39
			Sg	17:44.86	-0.28

860.

 2023-07-07 time: 6:57:45.23 UTC ML= 1.4
 lat: 47.283N lon: 18.308E h= 0.0 km
 erh= 2.5km erz= 753km
 nr= 8 gap=141 rms=0.54
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	9.6	338	PgU	6:57:47.03	0.08
			Sg	57:47.91	-0.38

PKSG	13.6	27	PgU	6:57:47.65	-0.01
			Sg	57:49.29	-0.27
PKST	20.9	263	Pg	6:57:49.81	0.85
			Sg	57:52.05	0.18
MPLH	59.6	258	Sg	6:58:02.74	-1.42
PKSM	121.7	168	Sg	6:58:23.55	-0.37

861.

 2023-07-07 time: 7:11:52.71 UTC ML= 1.4
 lat: 46.128N lon: 18.084E h= 0.0 km
 erh= 1.9km erz= 323km
 nr= 8 gap=240 rms=0.24
 Locality: Abaliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	4.6	165	PgU	7:11:53.30	-0.22
			Sg	11:54.72	0.56
PKSV	29.6	154	Sg	7:12:02.00	-0.13
PKSM	44.0	78	Pg	7:12:00.49	-0.08
			Sg	12:06.50	-0.20
MORH	44.3	77	Pg	7:12:00.54	-0.08
			Sg	12:06.76	-0.04
PKB4	57.3	44	Pg	7:12:03.31	0.38

862.

 2023-07-07 time: 8:03:14.31 UTC ML= 1.5
 lat: 48.593N lon: 20.800E h= 0.0 km
 erh= 1.8km erz= 4.5km
 nr= 7 gap=230 rms=0.36
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.3	242	Pg	8:03:19.04	0.04
			Sg	03:22.58	-0.08
ABAH	46.4	135	Pg	8:03:22.64	0.05
			Sg	03:29.11	0.06
PSZ	100.8	222	Pg	8:03:32.58	0.27
			Sg	03:45.88	-0.47
TRPA	138.8	112	Sn	8:03:54.27	-3.36

863.

 2023-07-07 time: 9:27:57.82 UTC ML= 1.6
 lat: 46.816N lon: 17.329E h= 0.0 km
 erh= 3.0km erz= ***km
 nr= 11 gap= 84 rms=0.93
 Locality: Lesencefalu
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	42.5	22	Pg	9:28:05.87	0.47
			Sg	28:10.35	-0.97
BEHE	57.2	228	Pg	9:28:08.96	0.92
PKST	72.8	47	Pg	9:28:11.82	1.01
KOGS	92.2	244	Pg	9:28:14.79	0.51
			Sg	28:25.51	-1.60
KOVH	100.3	144	Pg	9:28:15.99	0.27
			Sg	28:29.03	-0.66
MORH	121.0	123	Sg	9:28:35.29	-0.99
PKSM	121.1	124	Sg	9:28:35.06	-1.24
RONA	125.5	321	Sg	9:28:35.79	-1.92

864.

 2023-07-07 time: 11:32:21.47 UTC ML= 1.6
 lat: 46.874N lon: 22.846E h= 0.0 km
 erh=22.7km erz=10.8km
 nr= 5 gap=314 rms=0.54
 Locality: Romania
 Comments: probably explosion

Hypocenter Parameters

Földregés paraméterek

sta	dist	azm	phase	hr mn sec	res
DRGR	13.7	228	Pg	11:32:23.53	-0.40
			Sg	32:26.19	0.35
GZR	164.7	182	Pn	11:32:49.59	0.55
			Sn	33:09.46	-1.08
BZS	168.9	214	Sn	11:33:11.96	0.49

sta	dist	azm	phase	hr mn sec	res
SOKA	116.8	320	Sn	34:33.79	-1.73
			Sn	0:34:35.90	-1.33
OBKA	132.8	302	Pn	0:34:25.33	1.96
			Sn	34:41.82	1.05
PKSM	207.8	79	Sn	0:35:03.23	5.81*

865.

2023-07-07 time: 17:54:26.35 UTC ML= 2.3
 lat: 45.899N lon: 16.011E h= 4.4 km
 erh= 1.2km erz= 1.4km
 nr= 31 gap= 98 rms=0.53
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.2	271	Pg	17:54:27.73	0.30
			Sg	54:28.96	0.68
R971	6.8	181	Pg	17:54:27.51	-0.29
			Sg	54:28.72	-0.21
ZAG	7.9	190	Pg	17:54:27.90	-0.07
			Sg	54:29.45	0.22
GCIS	30.0	263	iPg	17:54:31.93	0.16
			iSg	54:35.91	-0.09
GOLS	32.5	292	iPg	17:54:32.91	0.71
			iSg	54:37.16	0.39
CRES	43.8	259	Pg	17:54:33.97	-0.25
			Sg	54:40.40	0.04
RCF6	48.4	355	Pg	17:54:35.81	0.77
KOGS	63.8	17	Pg	17:54:38.25	0.48
			Sg	54:46.53	-0.14
BOJS	73.7	233	ePg	17:54:38.80	-0.73
GROS	73.8	328	Pg	17:54:39.60	0.04
			Sg	54:49.07	-0.79
BEHE	86.7	43	Pg	17:54:41.44	-0.41
			Sg	54:53.50	-0.43
PERS	107.1	320	Pg	17:54:44.77	-0.72
			Sg	54:58.47	-1.95
SOKA	114.8	319	Pg	17:54:46.45	-0.42
			Sg	55:00.58	-2.30
OBKA	131.7	301	Pn	17:54:49.59	0.35
			Sn	55:04.34	-2.76*
ARSA	154.8	346	Sn	17:55:12.83	0.60
KOVH	163.2	83	Sn	17:55:14.24	0.16
MYKA	200.0	294	Pn	17:54:57.88	0.12
RONA	201.3	6	Pn	17:54:58.60	0.67
CONA	225.9	357	Pn	17:55:02.05	1.06

866.

2023-07-08 time: 0:34:01.06 UTC ML= 1.9
 lat: 45.870N lon: 16.002E h= 10.0 km
 erh= 3.0km erz= 1.8km
 nr= 19 gap=128 rms=0.72
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	3.7	170	PgU	0:34:02.49	-0.47
ZAG	4.6	188	Pg	0:34:02.72	-0.30
			Sg	34:04.33	-0.23
PTJ	4.8	314	Pg	0:34:02.76	-0.27
			Sg	34:04.07	-0.51
GCIS	29.1	269	iPg	0:34:06.90	0.35
CRES	42.6	263	Pg	0:34:08.93	0.05
			Sg	34:15.27	0.29
DOBS	51.6	307	iPg	0:34:11.03	0.58
KOGS	67.0	17	Pg	0:34:13.29	0.13
			Sg	34:24.01	1.40
GROS	76.2	330	Pg	0:34:14.73	-0.05
			Sg	34:24.42	-1.06
BEHE	89.5	42	Sg	0:34:30.03	0.34
PERS	109.1	321	Pn	0:34:20.10	-0.32

867.

2023-07-08 time: 5:59:21.14 UTC ML= 1.7
 lat: 45.803N lon: 16.039E h= 13.0 km
 erh= 6.4km erz= 2.3km
 nr= 13 gap=260 rms=0.88
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	4.4	330	Pg	5:59:23.27	-0.33
ZAG	4.5	309	Pg	5:59:23.54	-0.07
			Sg	59:25.18	-0.35
PTJ	12.5	330	Pg	5:59:23.54	-0.82
			Sg	59:24.67	-2.20
GCIS	32.7	283	iPg	5:59:27.72	0.28
CRES	45.3	273	Pg	5:59:30.50	0.94
			Sg	59:36.22	0.09
KOGS	73.5	13	Pg	5:59:35.79	1.31
			Sg	59:45.41	0.53
PERS	116.7	322	Pn	5:59:41.71	0.64
			Sn	59:55.00	-1.60
SOKA	124.4	321	Sn	5:59:56.89	-1.42

868.

2023-07-09 time: 16:25:00.30 UTC ML= 1.6
 lat: 45.897N lon: 16.049E h= 10.0 km
 erh= 1.8km erz= 1.4km
 nr= 12 gap=191 rms=0.36
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	7.1	273	Pg	16:25:02.74	0.25
			Sg	25:03.78	-0.42
R971	7.2	205	Pg	16:25:02.47	-0.03
			Sg	25:03.67	-0.55
ZAG	8.7	210	Pg	16:25:02.76	0.10
			Sg	25:04.38	-0.13
CRES	46.7	260	Pg	16:25:09.78	0.95
			Sg	25:15.38	-0.10
KOGS	63.2	14	Pg	16:25:11.64	-0.09
			Sg	25:20.78	0.14
GROS	75.6	326	Sg	16:25:24.10	-0.45
SOKA	117.0	318	Sn	16:25:36.30	-0.21

869.

2023-07-09 time: 19:28:52.26 UTC ML= 1.8
 lat: 45.858N lon: 16.002E h= 10.0 km
 erh= 2.1km erz= 1.3km
 nr= 29 gap=122 rms=0.72
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	2.3	164	Pg	19:28:53.64	-0.45
			Sg	28:54.85	-0.67
ZAG	3.3	191	Pg	19:28:53.98	-0.16
			Sg	28:55.74	0.14
PTJ	5.8	324	Pg	19:28:53.81	-0.51
			Sg	28:54.92	-1.01
GCIS	29.1	272	ePg	19:28:58.24	0.49
			iSg	29:02.79	0.75
GOLS	33.8	300	iPg	19:28:59.30	0.74
			iSg	29:03.62	0.15
CRES	42.5	265	Pg	19:29:00.47	0.42
			Sg	29:06.93	0.80

Földrengés paraméterek

Hypocenter Parameters

DOBS	52.5	308	ePg	19:29:02.11	0.31
			eSg	29:09.02	-0.21
RCF6	52.9	356	Pg	19:29:01.96	0.08
			Sg	29:09.01	-0.37
KOGS	68.4	16	Pg	19:29:04.10	-0.49
			Sg	29:15.58	1.36
GROS	77.4	330	Pg	19:29:05.70	-0.49
			Sg	29:15.43	-1.62
BEHE	90.6	41	Pg	19:29:09.81	1.28
			Sg	29:21.58	0.36
PERS	110.2	322	Pn	19:29:11.13	-0.62
			Sn	29:24.72	-2.23
SOKA	117.9	321	Pn	19:29:12.25	-0.46
			Sn	29:27.11	-1.55
OBKA	133.5	303	Pn	19:29:15.83	1.17
			Sn	29:31.84	-0.30
ARSA	159.1	347	Sn	19:29:38.73	0.92

870.

2023-07-09 time: 19:58:17.34 UTC ML= 1.6
 lat: 45.879N lon: 16.062E h= 10.0 km
 erh= 3.3km erz= 1.9km
 nr= 12 gap=263 rms=0.43
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	6.1	221	Pg	19:58:19.30	-0.13
			Sg	58:20.55	-0.51
ZAG	7.7	224	Pg	19:58:19.73	0.14
			Sg	58:21.37	0.02
PTJ	8.4	286	Pg	19:58:19.69	0.02
			Sg	58:21.06	-0.43
GOLS	37.0	293	iSg	19:58:29.83	0.32
CRES	47.4	263	Pg	19:58:26.15	0.16
			Sg	58:32.49	-0.24
DOBS	54.9	303	ePg	19:58:28.43	1.13
			eSg	58:35.06	-0.02
SOKA	119.1	318	Sn	19:58:52.82	-1.20

871.

2023-07-10 time: 5:53:57.89 UTC ML= 1.6
 lat: 48.187N lon: 21.250E h= 0.0 km
 erh= 4.3km erz= ***km
 nr= 9 gap=102 rms=1.07
 Locality: Mád
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	12.2	357	PgU	5:54:00.60	0.53
			Sg	54:01.56	-0.21
KECS	65.5	300	Pg	5:54:09.94	0.34
			Sg	54:17.02	-1.71
TRPA	96.2	94	Pg	5:54:15.65	0.59
			Sg	54:26.22	-2.24
LTVH	101.6	151	Sg	5:54:30.13	-0.06
PSZ	105.3	254	Pg	5:54:17.94	1.24
			Sg	54:29.43	-1.94

872.

2023-07-10 time: 7:12:30.45 UTC ML= 1.5
 lat: 48.569N lon: 17.548E h= 0.0 km
 erh= 0.9km erz= 0.9km
 nr= 16 gap=207 rms=0.49
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	10.7	235	Pg	7:12:32.81	0.45
			Sg	12:34.69	0.83
MODS	29.5	223	Pg	7:12:35.98	0.26
			Sg	12:40.01	0.17

JAVC	33.5	16	PgU	7:12:37.04	0.61
			Sg	12:41.03	-0.07
KRUC	100.9	303	Pg	7:12:48.54	0.08
			Sg	13:02.00	-0.51
VRAC	107.9	320	Pg	7:12:49.95	0.23
			Sg	13:04.42	-0.34
RONA	134.3	224	Pn	7:12:53.94	-0.28
			Sn	13:11.87	-0.89
MORC	134.3	360	Pn	7:12:53.76	-0.47
			Sn	13:10.30	-2.48*
CONA	144.1	240	Pn	7:12:55.23	-0.22
			Sn	13:13.43	-1.52

873.

2023-07-10 time: 8:34:21.37 UTC ML= 1.9
 lat: 46.869N lon: 17.231E h= 0.0 km
 erh= 4.0km erz= 7.6km
 nr= 10 gap=146 rms=1.24
 Locality: Zalaszentő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	40.9	35	Pg	8:34:30.14	1.47
			Sg	34:34.99	0.62
TIH	50.6	86	Sg	8:34:36.77	-0.67
PKST	74.9	55	Pg	8:34:35.54	0.80
			Sg	34:44.78	-0.38
CSKK	95.5	55	Sg	8:34:51.12	-0.61
PKSG	105.5	57	Sg	8:34:52.13	-2.76
KOVH	109.4	142	Pg	8:34:41.78	0.87
			Sg	34:54.95	-1.21
ARSA	136.5	288	Sn	8:35:02.07	-2.12

874.

2023-07-10 time: 10:50:13.77 UTC ML= 1.6
 lat: 47.816N lon: 20.232E h= 0.0 km
 erh= 4.4km erz= 619km
 nr= 5 gap=213 rms=0.28
 Locality: Feldebrő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	27.7	294	PgU	10:50:19.01	0.30
			Sg	50:22.68	0.11
PENC	71.2	268	Sg	10:50:35.92	-0.49
KECS	76.6	14	Sg	10:50:37.87	-0.24
ABAH	92.2	55	Sg	10:50:43.04	-0.03

875.

2023-07-10 time: 13:39:31.62 UTC ML= 1.7
 lat: 47.094N lon: 19.343E h= 0.0 km
 erh= 4.1km erz= 7.5km
 nr= 11 gap=184 rms=0.80
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	14.7	249	Pg	13:39:34.92	0.66
			Sg	39:36.68	0.37
PENC	77.6	357	Pg	13:39:46.60	1.13
PSZ	100.6	24	Pg	13:39:49.22	-0.37
			Sg	40:02.21	-1.40
PKST	100.9	280	Pg	13:39:49.36	-0.27
			Sg	40:01.86	-1.82
MORH	111.3	209	Pg	13:39:51.61	0.11
PKSM	111.8	209	Pg	13:39:51.65	0.06
			Sg	40:05.30	-1.86
KOVH	146.9	220	Pn	13:39:57.52	0.55

Hypocenter Parameters

Földrengés paraméterek

876.

2023-07-10 time: 14:08:45.71 UTC ML= 1.6
 lat: 47.083N lon: 19.434E h= 0.0 km
 erh= 4.4km erz= 836km
 nr= 8 gap=192 rms=0.65
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	21.1	259	Pg	14:08:50.16	0.68
			Sg	08:52.25	-0.17
PENC	79.5	352	Pg	14:09:00.76	0.85
PSZ	99.2	20	Pg	14:09:03.16	-0.26
			Sg	09:15.98	-1.25
MORH	113.8	212	Pg	14:09:06.02	0.00
			Sg	09:20.50	-1.37
PKSM	114.3	212	Pg	14:09:06.06	-0.05

877.

2023-07-11 time: 6:29:31.36 UTC ML= 1.5
 lat: 46.827N lon: 22.888E h= 0.0 km
 erh=24.3km erz=17.0km
 nr= 7 gap=290 rms=0.64
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	14.0	254	Pg	6:29:33.83	-0.04
			Sg	29:36.02	0.19
SURR	133.0	206	Pn	6:29:54.57	-0.41
			Sn	30:11.53	-1.88
GZR	159.6	183	Pn	6:29:59.11	0.81
			Sn	30:19.14	-0.18
BZS	166.5	216	Sn	6:30:21.62	0.78

878.

2023-07-11 time: 6:57:16.18 UTC ML= 0.8
 lat: 47.859N lon: 16.015E h= 0.0 km
 erh=42.9km erz=41.3km
 nr= 6 gap=174 rms=0.78
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	13.8	304	Pg	6:57:19.48	0.83
			Sg	57:20.77	0.19
RONA	27.5	130	Pg	6:57:21.28	0.18
			Sg	57:24.98	0.05
KRUC	136.7	12	Pn	6:57:39.79	-0.47
			Sn	57:56.46	-2.57

879.

2023-07-11 time: 7:44:00.16 UTC ML= 1.4
 lat: 48.590N lon: 20.766E h= 0.0 km
 erh= 4.2km erz= 922km
 nr= 7 gap=190 rms=0.61
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.9	240	Pg	7:44:04.62	0.19
			Sg	44:06.38	-1.38
ABAH	47.9	133	Pg	7:44:08.89	0.17
			Sg	44:14.95	-0.44
PSZ	98.9	221	Pg	7:44:18.79	0.98
			Sg	44:31.11	-0.47
LANS	113.8	303	Pg	7:44:20.16	-0.33

880.

2023-07-11 time: 8:07:03.45 UTC ML= 1.8
 lat: 46.072N lon: 22.814E h= 0.0 km
 erh= 2.4km erz= 704km
 nr= 9 gap=167 rms=0.52
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	22.1	162	Pg	8:07:07.51	0.12
			Sg	07:10.64	0.18
SURR	64.1	237	Sg	8:07:23.68	-0.13
GZR	75.4	182	Pg	8:07:16.90	-0.02
			Sg	07:25.98	-1.45
DRGR	80.4	354	Pg	8:07:18.00	0.19
			Sg	07:28.17	-0.84
BZS	105.8	241	Pg	8:07:23.16	0.81
			Sg	07:36.62	-0.48

881.

2023-07-11 time: 8:31:07.89 UTC ML= 1.7
 lat: 48.506N lon: 19.438E h= 0.0 km
 erh= 2.9km erz= 4.1km
 nr= 12 gap=173 rms=0.76
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	71.7	2	Pg	8:31:20.73	0.03
			Sg	31:29.34	-1.35
PSZ	73.6	153	Pg	8:31:21.67	0.64
			Sg	31:31.20	-0.09
KECS	77.5	92	Pg	8:31:22.29	0.57
			Sg	31:32.45	-0.06
PENC	80.4	188	Pg	8:31:22.61	0.36
			Sg	31:32.23	-1.21
NIE	120.1	32	Pg	8:31:30.57	1.24
			Sg	31:45.13	-0.92
ABAH	135.4	100	Pn	8:31:31.04	-0.77
			Sn	31:49.51	-0.95

882.

2023-07-11 time: 8:41:04.71 UTC ML= 1.1
 lat: 47.074N lon: 18.055E h= 0.0 km
 erh= 2.4km erz= 841km
 nr= 11 gap=130 rms=0.68
 Locality: Papkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.7	356	Pg	8:41:08.07	-0.32
			Sg	41:10.96	-0.31
CSKK	35.8	26	Pg	8:41:11.84	0.75
			Sg	41:15.90	-0.17
MPLH	40.5	285	Pg	8:41:12.43	0.49
			Sg	41:16.81	-0.78
PKSG	43.6	36	Sg	8:41:18.37	-0.19
MORH	105.5	155	Pg	8:41:24.09	0.54
			Sg	41:36.69	-1.55
PKSM	105.8	155	Pg	8:41:24.01	0.41
			Sg	41:36.69	-1.65

883.

2023-07-11 time: 8:56:20.69 UTC ML= 1.5
 lat: 48.666N lon: 21.439E h= 0.0 km
 erh= 6.0km erz= 8.4km
 nr= 7 gap=136 rms=1.04
 Locality: Slovakia
 Comments: probably explosion

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
ABAH	43.7	200	Sg	8:56:34.58	-0.01
KOLS	68.1	64	Sg	8:56:41.58	-0.77
KECS	73.2	254	Sg	8:56:42.90	-1.07
STHS	84.7	350	Pg	8:56:36.52	0.70
			Sg	56:46.98	-0.64
PSZ	141.6	234	Pn	8:56:46.76	1.38
			Sn	57:02.84	-1.80

884.

2023-07-11 time: 9:32:27.26 UTC ML= 1.0
 lat: 47.968N lon: 16.102E h= 0.0 km
 erh= 2.8km erz= 733km
 nr= 6 gap=144 rms=0.42
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.5	256	PgU	9:32:30.56	0.00
			Sg	32:33.04	-0.09
RONA	33.2	154	Pg	9:32:33.18	-0.01
			Sg	32:37.70	-0.12
KRUC	123.5	10	Pg	9:32:49.75	0.43
			Sg	33:04.48	-2.04

885.

2023-07-11 time: 9:51:26.79 UTC ML= 1.3
 lat: 48.507N lon: 17.478E h= 0.0 km
 erh= 2.2km erz= 498km
 nr= 8 gap=205 rms=0.37
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.7	282	PgU	9:51:27.28	-0.17
			Sg	51:27.85	-0.12
MODS	21.0	225	Pg	9:51:30.80	0.27
			Sg	51:33.29	-0.16
JAVC	41.7	20	Pg	9:51:34.15	-0.08
			Sg	51:39.76	-0.28
KRUC	100.7	308	Pg	9:51:45.32	0.55
			Sg	51:57.57	-1.23

886.

2023-07-11 time: 9:59:51.58 UTC ML= 1.5
 lat: 48.183N lon: 16.931E h= 0.0 km
 erh= ---km erz= ---km
 nr= 4 gap=327 rms=0.05
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	12.8	84	Pg	9:59:53.82	-0.05
			Sg	59:55.70	0.04
MODS	33.3	51	Pg	9:59:57.58	0.05
			Sg	10:00:02.12	-0.05

887.

2023-07-11 time: 10:15:04.43 UTC ML= 1.7
 lat: 47.330N lon: 18.465E h= 0.0 km
 erh= 1.8km erz= 3.5km
 nr= 12 gap=115 rms=0.50
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.8	321	PgU	10:15:06.26	0.26
			Sg	15:06.61	-0.62
CSKK	15.8	283	PgU	10:15:07.45	0.19
			Sg	15:08.74	-0.72

Hypocenter Parameters

PKST	33.5	256	Pg	10:15:11.05	0.64
			Sg	15:14.47	-0.60
MPLH	72.3	256	Pg	10:15:17.74	0.41
MORH	124.7	174	Sg	10:15:44.19	0.14
PKSM	125.1	174	Sg	10:15:43.27	-0.92
PSZ	125.8	59	Sg	10:15:44.29	-0.13
KOVH	140.9	191	Sn	10:15:47.97	-0.24
MODS	146.1	323	Sn	10:15:45.84	-3.54*

888.

2023-07-11 time: 10:37:03.43 UTC ML= 1.9
 lat: 47.106N lon: 19.359E h= 0.0 km
 erh= 4.6km erz= 922km
 nr= 12 gap=185 rms=0.76
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.4	247	Pg	10:37:06.45	0.09
			Sg	37:08.17	-0.47
PKB1	56.0	230	Pg	10:37:14.20	0.76
PKB5	74.1	220	Pg	10:37:17.87	1.22
PENC	76.3	356	Pg	10:37:18.23	1.17
PKSG	79.9	293	Pg	10:37:17.48	-0.21
PSZ	98.9	24	PgU	10:37:20.85	-0.24
			Sg	37:33.64	-1.23
PKS9	100.6	235	Pg	10:37:20.96	-0.43
MORH	113.1	209	Pg	10:37:23.35	-0.27
			Sg	37:37.40	-1.97
PKSM	113.6	209	Pg	10:37:23.08	-0.63

889.

2023-07-11 time: 12:06:50.90 UTC ML= 2.0
 lat: 45.865N lon: 16.010E h= 10.0 km
 erh= 2.2km erz= 1.4km
 nr= 22 gap=164 rms=0.65
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R971	3.0	180	Pg	12:06:52.46	-0.31
			Sg	06:53.69	-0.53
ZAG	4.2	197	Pg	12:06:52.66	-0.18
			Sg	06:54.14	-0.21
PTJ	5.6	314	Pg	12:06:52.72	-0.23
			Sg	06:54.14	-0.41
GCIS	29.7	270	iPg	12:06:56.88	0.38
			iSg	07:00.80	-0.06
GOLS	34.0	298	iPg	12:06:57.95	0.72
			iSg	07:02.08	-0.09
CRES	43.2	264	Pg	12:06:59.16	0.34
			Sg	07:05.29	0.30
CESS	44.1	286	iSg	12:07:05.33	0.05
RCF6	52.2	356	Sg	12:07:07.51	-0.29
KOGS	67.4	16	Pg	12:07:04.93	1.86
			Sg	07:12.38	-0.19
GROS	77.0	329	Pg	12:07:04.46	-0.31
			Sg	07:14.16	-1.42
PERS	109.9	321	Pn	12:07:09.89	-0.48
			Sn	07:23.79	-1.76
OBKA	133.6	302	Pn	12:07:14.91	1.59
			Sn	07:30.96	0.16

890.

2023-07-11 time: 15:26:22.51 UTC ML= 1.4
 lat: 45.908N lon: 16.015E h= 10.0 km
 erh= 1.8km erz= 1.7km
 nr= 9 gap=188 rms=0.27
 Locality: Croatia
 Comments:

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PTJ	4.6	258	PgU	15:26:24.35	-0.12
			Sg	26:25.64	-0.36
R971	7.8	183	PgD	15:26:24.62	-0.16
ZAG	9.0	191	Pg	15:26:25.01	0.10
			Sg	26:27.01	0.23
CRES	44.3	258	Pg	15:26:30.92	0.30
			Sg	26:36.79	-0.16
RCF6	47.4	355	Sg	15:26:38.20	0.28
PERS	106.5	319	S*	15:26:54.87	-1.48

891.

2023-07-11 time: 18:52:43.30 UTC ML= 0.6
 lat: 47.790N lon: 16.175E h= 19.1 km
 erh= 4.1km erz= 2.3km
 nr= 8 gap= 84 rms=0.65
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	13.6	138	Pg	18:52:48.23	0.74
			Sg	52:50.83	0.08
CONA	28.0	303	Sg	18:52:53.41	-0.67
SOP	31.1	112	Pg	18:52:49.27	-0.55
ARSA	77.5	219	S*	18:53:07.58	-0.20
MODS	104.7	52	Pn	18:53:00.60	-0.35
ABNA	112.3	331	Pn	18:53:03.28	1.38
			Sn	53:15.95	-0.46

892.

2023-07-11 time: 22:20:04.16 UTC ML= 0.6
 lat: 47.728N lon: 16.052E h= 10.8 km
 erh= 2.1km erz= 1.9km
 nr= 8 gap=117 rms=0.43
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.6	100	Pg	22:20:08.10	0.10
			Sg	20:10.41	-0.58
CONA	26.4	327	Pg	22:20:09.66	0.41
			Sg	20:13.03	-0.20
ARSA	66.4	217	Pg	22:20:16.44	0.28
			Sg	20:24.19	-1.33
ABNA	114.5	336	Sn	22:20:39.79	0.16
KRUC	150.5	10	Sn	22:20:47.26	-0.37

893.

2023-07-12 time: 5:58:50.57 UTC ML= 1.5
 lat: 47.304N lon: 17.674E h= 0.0 km
 erh= 2.7km erz= 3.8km
 nr= 13 gap= 94 rms=1.36
 Locality: Bakonykoppány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	18.0	214	Pg	5:58:54.21	0.42
			Sg	58:56.64	0.34
PKST	27.7	100	Pg	5:58:56.89	1.37
			Sg	59:00.26	0.88
EGYH	28.7	296	Pg	5:58:57.27	1.57
			Sg	58:59.99	0.29
TIH	47.9	160	Sg	5:59:05.89	0.10
PKSG	55.0	80	Pg	5:59:00.88	0.48
			Sg	59:07.14	-0.92
MODS	122.6	346	Sg	5:59:27.08	-2.45
KOVH	139.0	166	Sn	5:59:31.70	-2.24
MORH	141.9	148	Sn	5:59:31.93	-2.65
PKSM	142.1	149	Sn	5:59:32.64	-2.00

894.

2023-07-12 time: 6:07:32.61 UTC ML= 1.6
 lat: 46.965N lon: 22.807E h= 0.0 km
 erh= 9.5km erz= 3.0km
 nr= 7 gap=329 rms=0.85
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	20.6	201	Pg	6:07:37.31	1.02
			Sg	07:39.26	0.11
SURR	144.5	201	Pn	6:07:57.58	-0.08
			Sn	08:15.19	-2.00
GZR	174.7	181	Pn	6:08:01.80	0.37
			Sn	08:22.54	-1.36
BZS	175.7	211	Sn	6:08:24.19	0.06

895.

2023-07-12 time: 10:14:05.19 UTC ML= 2.1
 lat: 47.043N lon: 19.511E h= 0.0 km
 erh= 5.9km erz= 815km
 nr= 10 gap=199 rms=0.68
 Locality: Felsőlajos
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	26.6	271	PgU	10:14:09.17	-0.78
			Sg	14:10.80	-2.85
PKB1	61.9	242	Pg	10:14:16.90	0.66
PENC	84.8	348	Pg	10:14:20.70	0.36
PKB4	92.2	229	Pg	10:14:22.62	0.96
PSZ	101.5	17	PgU	10:14:23.44	0.13
			Sg	14:36.78	-0.67
PKS9	106.9	242	Pg	10:14:24.18	-0.09
MORH	113.4	216	Sg	10:14:40.50	-0.75
PKSM	113.9	216	Sg	10:14:40.89	-0.52

896.

2023-07-12 time: 10:30:14.08 UTC ML= 2.0
 lat: 47.073N lon: 19.384E h= 0.0 km
 erh= 3.0km erz= 492km
 nr= 7 gap=188 rms=0.33
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.2	260	Pg	10:30:17.53	0.38
			Sg	30:19.25	-0.29
PENC	80.1	354	Pg	10:30:28.56	0.17
PKS9	100.1	237	Pg	10:30:32.06	0.10
PSZ	101.6	22	Pg	10:30:31.87	-0.35
MORH	110.8	211	Pg	10:30:33.88	0.00
			Sg	30:47.58	-1.73

897.

2023-07-12 time: 11:54:26.44 UTC ML= 0.9
 lat: 47.929N lon: 16.123E h= 0.0 km
 erh= 2.0km erz= 557km
 nr= 6 gap=144 rms=0.36
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	19.5	270	Pg	11:54:29.94	0.02
			Sg	54:32.13	-0.52
RONA	28.6	153	Pg	11:54:31.59	0.05
			Sg	54:35.19	-0.33
KRUC	127.6	9	Pg	11:54:49.86	0.64
			Sg	55:06.65	-0.35

Földrengés paraméterek

Hypocenter Parameters

898.

2023-07-12 time: 13:13:06.27 UTC ML= 1.5
 lat: 47.013N lon: 22.297E h= 0.0 km
 erh=11.8km erz=10.7km
 nr= 10 gap=164 rms=1.36
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
R1E1	31.4	282	Sg	13:13:14.78	-1.45
DRGR	40.0	128	Pg	13:13:13.09	-0.33
			Sg	13:18.18	-0.81
LTVH	51.1	324	Sg	13:13:21.74	-0.76
SURR	140.6	185	Pn	13:13:30.82	-0.01
			Sn	13:47.25	-2.75
BZS	163.9	199	Pn	13:13:34.97	1.24
			Sn	13:53.52	-1.64
GZR	183.8	168	Pn	13:13:38.41	2.19
			Sn	14:00.72	1.13

899.

2023-07-13 time: 8:03:54.85 UTC ML= 0.8
 lat: 46.136N lon: 18.094E h= 0.0 km
 erh= 1.2km erz= 118km
 nr= 7 gap=263 rms=0.08
 Locality: Abaliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.3	176	PgU	8:03:55.82	0.02
			Sg	03:56.56	0.02
PKSV	30.1	156	Pg	8:04:00.21	-0.02
PKSM	43.1	79	Pg	8:04:02.47	-0.07
			Sg	04:08.38	-0.16
MORH	43.4	78	Pg	8:04:02.67	0.07
			Sg	04:08.77	0.13

900.

2023-07-13 time: 8:55:30.75 UTC ML= 0.9
 lat: 47.190N lon: 18.301E h= 0.0 km
 erh= 2.6km erz= 786km
 nr= 9 gap=150 rms=0.59
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.5	351	Pg	8:55:34.53	0.29
			Sg	55:35.97	-0.99
PKST	21.6	291	Pg	8:55:34.88	0.27
			Sg	55:36.56	-1.07
PKSG	23.5	17	Pg	8:55:35.39	0.45
			Sg	55:37.85	-0.36
MPLH	57.8	268	Pg	8:55:41.73	0.66
MORH	111.4	166	Sg	8:56:05.79	-0.36
PKSM	111.8	167	Sg	8:56:05.40	-0.87

901.

2023-07-13 time: 9:02:18.95 UTC ML= 1.1
 lat: 48.478N lon: 20.749E h= 0.0 km
 erh= 4.3km erz= 679km
 nr= 5 gap=208 rms=0.31
 Locality: Martonyi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	19.5	272	Pg	9:02:22.46	0.03
			Sg	02:24.93	-0.21
ABAH	41.6	119	Sg	9:02:31.97	-0.20
PSZ	89.0	226	Pg	9:02:35.26	0.43
			Sg	02:46.73	-0.49

902.

2023-07-13 time: 9:45:24.05 UTC ML= 1.8
 lat: 47.843N lon: 19.421E h= 0.0 km
 erh= 5.2km erz= 4.7km
 nr= 21 gap=118 rms=1.86
 Locality: Galgaguta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	12.0	240	Pg	9:45:27.13	0.94
			Sg	45:28.78	0.92
PSZ	36.4	77	Pg	9:45:31.16	0.61
			Sg	45:35.78	0.15
BUD	49.9	217	Sg	9:45:38.03	-1.88
PBUD	52.0	216	Sg	9:45:39.90	-0.69
BSZH	87.8	134	Sg	9:45:50.57	-1.40
PKS7	90.7	192	Sg	9:45:50.63	-2.24
PKSG	92.3	237	Sg	9:45:51.90	-1.49
CSKK	102.3	239	Sg	9:45:55.11	-1.46
KECS	106.5	48	Pg	9:45:43.55	0.48
			Sg	45:55.97	-1.93
PKST	122.9	238	Sg	9:46:01.29	-1.84
MPLH	160.3	242	Sn	9:46:11.86	-0.29
PKS9	164.3	212	Sn	9:46:11.86	-1.18
MODS	170.2	290	Sn	9:46:11.86	-2.48
MORH	190.3	198	Pn	9:45:58.87	4.05
			Sn	46:17.65	-1.17
PKSM	190.8	198	Pn	9:45:58.79	3.91
			Sn	46:17.81	-1.12
KOVH	219.5	207	Sn	9:46:26.26	0.97

903.

2023-07-13 time: 10:35:53.89 UTC ML= 1.8
 lat: 46.750N lon: 22.749E h= 0.0 km
 erh= 5.2km erz= 3.1km
 nr= 7 gap=211 rms=0.41
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	5.5	328	PgU	10:35:54.25	-0.62
			Sg	35:56.20	0.57
SURR	120.7	203	Pg	10:36:15.65	0.21
			Sg	36:32.32	0.07
GZR	150.8	179	Pn	10:36:20.11	0.39
			Sn	36:39.68	-0.19
BZS	153.3	215	Sn	10:36:40.07	-0.36

904.

2023-07-13 time: 13:07:58.97 UTC ML= 1.4
 lat: 47.852N lon: 19.274E h= 0.0 km
 erh=16.7km erz= ***km
 nr= 5 gap=237 rms=0.79
 Locality: Nézsa
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	6.8	175	Pg	13:07:59.86	-0.33
			Sg	08:00.72	-0.42
PSZ	47.0	81	Pg	13:08:08.39	1.03
			Sg	08:14.18	0.27
KECS	114.2	52	Sg	13:08:33.83	-1.46

Hypocenter Parameters

Földrengés paraméterek

905.

2023-07-14 time: 6:38:14.98 UTC ML= 1.4
 lat: 48.441N lon: 19.592E h= 0.0 km
 erh= 4.2km erz= 8.1km
 nr= 10 gap=129 rms=0.87
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	62.3	159	Pg	6:38:26.63	0.52
			Sg	38:33.91	-0.89
KECS	66.3	86	Pg	6:38:27.72	0.90
			Sg	38:36.26	0.21
LANS	79.4	353	Sg	6:38:40.20	-0.03
NIE	120.9	26	Pg	6:38:37.23	0.66
			Sg	38:52.06	-1.36
ABAH	123.2	98	Pg	6:38:36.88	-0.10
			Sg	38:51.23	-2.90
JAVC	149.0	288	Sn	6:38:59.22	-1.35

906.

2023-07-14 time: 7:25:22.98 UTC ML= 1.2
 lat: 48.005N lon: 20.392E h= 0.0 km
 erh= 6.8km erz= ***km
 nr= 7 gap=178 rms=0.93
 Locality: Felsőtárkány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	38.4	255	Pg	7:25:30.15	0.31
			Sg	25:34.84	-0.35
KECS	53.6	7	Pg	7:25:33.20	0.65
			Sg	25:39.34	-0.68
ABAH	70.9	63	Pg	7:25:36.64	1.00
			Sg	25:44.15	-1.36
BUD	117.9	241	Sg	7:25:58.44	-2.01

907.

2023-07-14 time: 8:00:58.36 UTC ML= 1.3
 lat: 48.509N lon: 17.512E h= 0.0 km
 erh= 3.0km erz= 515km
 nr= 7 gap=212 rms=0.36
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.2	275	PgU	8:00:59.34	-0.12
			Sg	01:00.03	-0.29
MODS	23.0	229	Pg	8:01:02.84	0.38
			Sg	01:05.20	-0.46
JAVC	40.6	17	Pg	8:01:05.92	0.30
			Sg	01:10.25	-1.03
KRUC	102.5	307	Pg	8:01:16.77	0.10

908.

2023-07-14 time: 8:16:06.25 UTC ML= 1.7
 lat: 47.880N lon: 20.152E h= 0.0 km
 erh= 3.9km erz= 5.9km
 nr= 9 gap=187 rms=0.79
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.7	283	PgU	8:16:10.27	0.51
			Sg	16:12.58	0.07
PENC	65.9	261	Pg	8:16:18.53	0.52
			Sg	16:26.90	-0.29
KECS	71.5	20	Pg	8:16:19.54	0.52
			Sg	16:27.68	-1.31
ABAH	93.3	60	Pg	8:16:23.24	0.32

Sg 16:34.76 -1.16
 PKSG 143.0 248 Sn 8:16:47.91 -2.60

909.

2023-07-14 time: 8:24:47.78 UTC ML= 1.4
 lat: 48.633N lon: 21.372E h= 0.0 km
 erh= 4.0km erz= 4.6km
 nr= 10 gap=201 rms=0.70
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	38.7	195	Pg	8:24:54.52	-0.17
			Sg	24:59.76	-0.32
KECS	67.5	256	Pg	8:25:00.07	0.24
			Sg	25:09.23	0.00
STHS	87.7	354	Pg	8:25:03.44	0.00
			Sg	25:14.71	-0.95
NIE	116.8	318	Pg	8:25:09.86	1.22
			Sg	25:22.90	-2.00
PSZ	135.4	234	Pn	8:25:12.20	0.50
			Sn	25:29.32	-1.03

910.

2023-07-14 time: 9:04:57.79 UTC ML= 1.2
 lat: 48.599N lon: 20.816E h= 0.0 km
 erh= 3.9km erz= 466km
 nr= 5 gap=255 rms=0.21
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.6	242	Pg	9:05:02.59	-0.12
			Sg	05:06.34	-0.21
ABAH	46.0	137	Pg	9:05:06.22	0.21
			Sg	05:12.17	-0.25
PSZ	102.0	222	Sg	9:05:30.52	0.30

911.

2023-07-14 time: 10:00:34.24 UTC ML= 1.6
 lat: 48.153N lon: 16.897E h= 0.0 km
 erh= 4.5km erz= 573km
 nr= 7 gap=157 rms=0.38
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.0	73	Pg	10:00:37.35	0.26
			Sg	00:39.15	-0.17
MODS	37.4	49	Pg	10:00:40.87	-0.05
			Sg	00:45.49	-0.63
RONA	67.5	222	Pg	10:00:46.43	0.13
			Sg	00:54.26	-1.44
CONA	81.2	252	Pg	10:00:49.05	0.31

912.

2023-07-14 time: 13:01:01.87 UTC ML= 1.2
 lat: 47.865N lon: 20.154E h= 0.0 km
 erh= 7.2km erz= ***km
 nr= 7 gap=184 rms=0.82
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.3	287	Pg	13:01:05.94	0.45
			Sg	01:07.97	-0.34
PENC	65.8	263	Pg	13:01:14.29	0.67
KECS	73.0	20	Pg	13:01:15.47	0.56
			Sg	01:24.20	-0.88
ABAH	94.0	59	Sg	13:01:30.96	-0.79

Földrengés paraméterek

BUD 94.9 243 Sg 13:01:29.85 -2.17

913.

2023-07-15 time: 7:48:53.81 UTC ML= 0.6
 lat: 47.780N lon: 16.201E h= 13.6 km
 erh= 1.9km erz= 1.5km
 nr= 13 gap=106 rms=0.48
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	11.5	141	PgD	7:48:57.17			0.18
			Sg	48:59.10			-0.37
SOP	28.9	112	Pg	7:48:59.92			0.40
			Sg	49:03.02			-0.95
CONA	30.2	303	Pg	7:49:00.07			0.34
			Sg	49:04.22			-0.13
WINA	37.6	345	Pg	7:49:01.12			0.17
			Sg	49:05.94			-0.58
ARSA	77.9	221	Sg	7:49:18.60			-0.36
ABNA	114.2	330	Pn	7:49:13.11			-0.24
			Sn	49:26.35			-2.24
KRUC	143.2	6	Pn	7:49:17.73			0.76
			Sn	49:34.67			-0.36

914.

2023-07-15 time: 7:51:57.87 UTC ML= 1.0
 lat: 46.221N lon: 18.282E h= 0.0 km
 erh= 2.6km erz= 780km
 nr= 9 gap=136 rms=0.58
 Locality: Kisbattyán
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	20.4	224	Pg	7:52:01.86			0.34
			Sg	52:04.20			-0.16
PKSM	27.7	92	Pg	7:52:03.62			0.80
			Sg	52:06.09			-0.59
MORH	27.9	91	Pg	7:52:03.37			0.52
			Sg	52:05.93			-0.81
PKSV	37.1	184	Pg	7:52:04.41			-0.08
			Sg	52:08.90			-0.75
PKS9	40.7	360	Sg	7:52:09.85			-0.94

915.

2023-07-17 time: 8:32:50.30 UTC ML= 1.6
 lat: 47.952N lon: 19.636E h= 0.0 km
 erh=11.0km erz= ***km
 nr= 5 gap=171 rms=0.96
 Locality: Felsőtold
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	19.7	101	PgU	8:32:55.00			1.18
			Sg	32:56.43			-0.13
PENC	32.0	236	Sg	8:32:59.47			-1.01
KECS	86.5	47	Sg	8:33:17.73			-0.05
ABAH	125.4	72	Sg	8:33:28.77			-1.38

916.

2023-07-17 time: 8:37:30.83 UTC ML= 1.8
 lat: 48.423N lon: 17.260E h= 0.0 km
 erh= 1.6km erz= 669km
 nr= 16 gap=116 rms=0.59
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	5.6	167	PgU	8:37:32.23			0.40
			Sg	37:33.40			0.78

Hypocenter Parameters

SMOL 16.0 51 Pg 8:37:33.83 0.14

Sg 37:35.50 -0.42

ZST 27.8 205 Pg 8:37:35.75 -0.04

Sg 37:38.49 -1.18

JAVC 57.2 32 Pg 8:37:41.11 0.07

Sg 37:47.16 -1.84

KRUC 95.4 318 Pg 8:37:48.31 0.45

Sg 38:01.50 0.35

RONA 107.9 222 Pg 8:37:50.57 0.48

Sg 38:03.60 -1.51

VRAC 109.9 334 Pg 8:37:50.82 0.36

Sg 38:05.49 -0.29

CONA 117.7 242 Pg 8:37:51.69 -0.15

Sg 38:07.10 -1.13

917.

2023-07-17 time: 9:06:19.02 UTC ML= 2.1
 lat: 48.893N lon: 20.497E h= 0.0 km
 erh= 2.7km erz= 4.0km
 nr= 16 gap= 75 rms=1.00
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	45.6	181	Pg	9:06:27.61			0.45
			Sg	06:33.09			-0.42
NIE	60.0	347	Sg	9:06:36.93			-1.17
STHS	79.7	43	Pg	9:06:33.94			0.68
			Sg	06:42.64			-1.73
LANS	80.6	291	Pg	9:06:34.11			0.70
			Sg	06:43.97			-0.67
ABAH	86.0	140	Pg	9:06:34.66			0.28
			Sg	06:45.92			-0.45
PSZ	117.2	202	Pg	9:06:40.20			0.25
			Sg	06:53.91			-2.37
KOLS	130.2	88	Pg	9:06:42.47			0.19
PENC	152.2	216	Pn	9:06:45.22			0.19
			Sn	07:02.97			-2.34
OJC	156.0	341	Pn	9:06:47.41			1.90
TRPA	173.1	119	Sn	9:07:08.76			-1.19

918.

2023-07-17 time: 10:41:16.96 UTC ML= 1.6
 lat: 47.563N lon: 16.325E h= 0.0 km
 erh= 2.9km erz= 4.0km
 nr= 13 gap=154 rms=0.79
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	15.3	352	PgU	10:41:20.12			0.43
			Sg	41:21.65			-0.17
SOP	22.0	53	Pg	10:41:21.16			0.27
			Sg	41:23.62			-0.34
CONA	53.4	319	Pg	10:41:27.44			0.95
			Sg	41:33.03			-0.91
ARSA	69.8	240	Sg	10:41:38.41			-0.73
MODS	114.8	38	Pg	10:41:38.51			1.06
			Sg	41:51.58			-1.86
GROS	137.6	207	Pn	10:41:41.13			-0.02
			Sn	41:59.13			-0.89
KRUC	166.7	2	Pn	10:41:44.62			-0.16
			Sn	42:04.22			-2.26

919.

2023-07-17 time: 11:45:51.01 UTC ML= 1.1
 lat: 48.000N lon: 16.177E h= 0.0 km
 erh= 3.8km erz= 960km
 nr= 6 gap=133 rms=0.56
 Locality: Austria
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CONA	24.9	251	Pg	11:45:55.92	0.47
			Sg	45:58.05	-0.87
RONA	34.5	165	Pg	11:45:57.79	0.61
			Sg	46:01.71	-0.28
SOP	45.3	141	Sg	11:46:04.53	-0.88
KRUC	119.2	8	Pg	11:46:12.17	-0.12

920.

2023-07-17 time: 12:15:03.43 UTC ML= 2.0
 lat: 47.126N lon: 19.313E h= 0.0 km
 erh= 3.2km erz= 7.7km
 nr= 13 gap=160 rms=0.84
 Locality: Örkény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	14.5	233	PgU	12:15:06.55	0.53
			Sg	15:07.55	-0.49
PKB5	73.7	217	Pg	12:15:17.52	0.93
PENC	73.9	358	Pg	12:15:17.87	1.24
PKB3	78.6	187	Pg	12:15:18.81	1.34
PKST	98.0	279	Pg	12:15:20.75	-0.19
			Sg	15:33.51	-1.08
PSZ	98.4	26	Pg	12:15:20.81	-0.19
			Sg	15:33.79	-0.91
PKS9	99.1	233	Pg	12:15:20.69	-0.43
MORH	113.4	207	Pg	12:15:23.26	-0.43
PKSM	113.9	207	Pg	12:15:23.42	-0.35
KOVH	148.2	219	Pn	12:15:27.26	-1.68

921.

2023-07-17 time: 21:50:36.66 UTC ML= 1.2
 lat: 46.031N lon: 21.646E h= 14.2 km
 erh= 2.7km erz= 2.0km
 nr= 7 gap=221 rms=0.29
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	46.1	183	PgU	21:50:45.15	-0.12
			Sg	50:51.84	-0.15
SURR	48.2	130	Pg	21:50:45.90	0.26
			Sg	50:52.47	-0.17
GZR	113.0	129	Sn	21:51:11.06	0.02
DRGR	117.7	44	Pn	21:50:56.77	0.21
			Sn	51:10.78	-1.30

922.

2023-07-18 time: 6:32:46.75 UTC ML= 1.5
 lat: 46.752N lon: 22.773E h= 0.0 km
 erh= 5.5km erz= 3.8km
 nr= 7 gap=227 rms=0.48
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	6.4	313	Pg	6:32:47.58	-0.31
			Sg	32:48.93	0.15
SURR	121.7	204	Pg	6:33:08.55	0.07
			Sg	33:25.30	-0.14
GZR	151.1	180	Pn	6:33:12.93	0.31
			Sn	33:31.40	-1.40
BZS	154.6	215	Sn	6:33:34.72	1.14

923.

2023-07-18 time: 6:54:35.34 UTC ML= 1.9
 lat: 47.886N lon: 20.123E h= 0.0 km
 erh= 4.3km erz= 4.0km
 nr= 20 gap= 89 rms=1.68
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	17.5	282	PgU	6:54:38.21	-0.25
			Sg	54:40.05	-0.84
PENC	63.9	260	Sg	6:54:54.78	-0.87
KECS	71.6	22	Pg	6:54:48.63	0.50
			Sg	54:56.50	-1.60
BUD	93.9	242	Sg	6:55:03.35	-1.84
ABAH	94.8	61	Pg	6:54:52.59	0.32
			Sg	55:03.54	-1.93
PKSG	141.3	247	Sn	6:55:17.19	-2.04
LANS	148.7	341	Sn	6:55:18.45	-2.41
NIE	171.0	5	Pn	6:55:05.46	1.77
			Sn	55:24.55	-1.26
PKST	172.0	246	Sn	6:55:24.37	-1.65
TRPA	182.3	81	Sn	6:55:27.29	-1.02
STHS	189.1	26	Sn	6:55:31.75	1.91
JAVC	211.5	301	Sn	6:55:38.20	3.41
MORH	217.1	211	Sn	6:55:39.95	3.91
PKSM	217.6	211	Sn	6:55:40.15	4.01
DRGR	230.4	122	Pn	6:55:11.15	0.06
			Sn	55:38.92	-0.06

924.

2023-07-18 time: 7:03:07.82 UTC ML= 1.3
 lat: 45.908N lon: 18.374E h= 0.0 km
 erh= 1.5km erz= 214km
 nr= 8 gap=225 rms=0.15
 Locality: Palkonya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	9.7	257	Pg	7:03:09.44	-0.11
			Sg	03:11.06	0.17
PKSM	39.6	32	Pg	7:03:14.73	-0.16
			Sg	03:20.36	-0.04
MORH	40.1	31	Pg	7:03:14.97	0.00
			Sg	03:20.75	0.19
PKS9	75.8	354	Sg	7:03:31.70	-0.21
PKB1	102.6	18	Pg	7:03:26.36	0.23

925.

2023-07-18 time: 7:18:34.82 UTC ML= 1.8
 lat: 46.025N lon: 22.819E h= 16.3 km
 erh= 6.0km erz= 7.2km
 nr= 8 gap=163 rms=0.77
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
DEV	17.0	157	Pg	7:18:38.71	-0.33
			Sg	18:41.84	-0.48
SURR	61.7	241	Pg	7:18:47.47	1.25
			Sg	18:54.05	-1.06
GZR	70.2	183	Pg	7:18:48.18	0.48
			Sg	18:57.49	-0.26
DRGR	85.7	354	P*	7:18:50.29	0.22
			S*	19:00.46	-1.51

Földrengés paraméterek

Hypocenter Parameters

926.
 2023-07-18 time: 8:22:45.18 UTC ML= 1.5
 lat: 48.585N lon: 20.817E h= 0.0 km
 erh= 4.0km erz= ***km
 nr= 8 gap=133 rms=0.86
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	27.0	245	Pg	8:22:50.33			0.33
			Sg		22:53.46		-0.30
ABAH	44.8	136	Sg	8:22:59.80			0.38
STHS	97.6	19	Pg	8:23:03.63			1.03
			Sg		23:15.37		-0.83
PSZ	101.0	223	Pg	8:23:03.55			0.35
			Sg		23:15.84		-1.43
KOLS	113.8	70	Sg	8:23:19.44			-1.91

927.
 2023-07-18 time: 8:29:56.19 UTC ML= 1.7
 lat: 47.328N lon: 18.427E h= 0.0 km
 erh= 2.2km erz= 6.9km
 nr= 12 gap=113 rms=0.82
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.6	339	PgU	8:29:57.60			0.06
			Sg		29:58.03		-0.56
CSKK	13.1	287	Pg	8:29:59.05			0.52
			Sg		30:00.45		0.09
PKST	30.7	255	Pg	8:30:02.76			1.10
			Sg		30:05.74		-0.19
MPLH	69.4	255	Sg	8:30:17.14			-1.12
MORH	124.8	172	Sg	8:30:35.04			-0.81
PKSM	125.2	172	Sg	8:30:35.28			-0.70
PSZ	128.4	59	Pg	8:30:20.02			0.91
			Sg		30:35.98		-1.00
MODS	144.6	323	Sn	8:30:38.49			-2.31

928.
 2023-07-18 time: 8:33:46.27 UTC ML= 1.6
 lat: 48.569N lon: 17.325E h= 0.0 km
 erh= 2.7km erz= 5.2km
 nr= 12 gap=130 rms=0.83
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	9.8	129	Pg	8:33:47.98			-0.05
			Sg		33:48.58		-0.82
MODS	22.0	189	Pg	8:33:51.30			1.09
			Sg		33:53.98		0.70
JAVC	41.1	38	Pg	8:33:54.61			1.00
			Sg		33:59.85		0.52
ZST	44.6	202	Sg	8:34:00.91			0.45
RONA	123.3	218	Pg	8:34:07.41			-0.89
CONA	130.0	237	Pg	8:34:09.36			-0.12
			Sg		34:26.42		-1.16
MORC	135.2	7	Pn	8:34:09.52			-0.65
			Sn		34:26.81		-2.00

929.
 2023-07-18 time: 9:45:34.09 UTC ML= 1.9
 lat: 48.433N lon: 17.197E h= 0.0 km
 erh= 0.9km erz= 405km
 nr= 16 gap=79 rms=0.36
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.9	138	PgU	9:45:35.57			-0.10
			Sg		45:36.30		-0.61
SMOL	19.4	62	Pg	9:45:37.43			-0.12
			Sg		45:40.01		-0.24
ZST	27.2	195	Sg	9:45:42.85			0.11
JAVC	58.9	36	Pg	9:45:45.02			0.41
			Sg		45:52.61		-0.20
KRUC	91.5	320	Pg	9:45:50.66			0.23
			Sg		46:02.90		-0.27
SOP	96.0	210	Sg	9:46:05.56			0.97
RONA	105.6	219	Pg	9:45:53.19			0.25
			Sg		46:07.01		-0.64
VRAC	107.0	336	Pg	9:45:53.59			0.40
			Sg		46:07.87		-0.22
CONA	114.0	241	Pg	9:45:54.40			-0.05
			Sg		46:09.52		-0.81

930.
 2023-07-18 time: 9:46:04.58 UTC ML= 0.9
 lat: 47.243N lon: 18.265E h= 0.0 km
 erh= 3.7km erz= 498km
 nr= 6 gap=246 rms=0.30
 Locality: Iszkaosztógyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	13.3	358	Pg	9:46:07.37			0.41
			Sg		46:09.09		0.28
PKST	17.6	276	Pg	9:46:07.60			-0.12
			Sg		46:09.95		-0.21
PKSG	19.0	30	Pg	9:46:07.92			-0.06
			Sg		46:09.99		-0.64

931.
 2023-07-18 time: 11:19:26.66 UTC ML= 2.1
 lat: 47.109N lon: 19.320E h= 0.0 km
 erh= 3.4km erz= 795km
 nr= 13 gap=182 rms=0.66
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	13.9	241	Pg	11:19:29.45			0.31
			Sg		19:31.14		0.07
PKB1	54.0	228	Pg	11:19:36.65			0.35
PKB5	72.4	218	Pg	11:19:40.76			1.17
PENC	75.9	358	Pg	11:19:40.87			0.67
PKSG	77.1	294	Sg	11:19:50.50			-0.66
PKB4	87.3	219	Pg	11:19:42.63			0.38
PKS9	98.4	234	Pg	11:19:43.89			-0.33
PSZ	99.9	26	PgU	11:19:43.81			-0.68
MORH	111.9	208	Pg	11:19:46.43			-0.21
			Sg		20:00.60		-1.63
PKSM	112.4	208	Pg	11:19:46.47			-0.26
			Sg		20:00.63		-1.76

932.
 2023-07-18 time: 12:00:37.91 UTC ML= 1.6
 lat: 47.681N lon: 20.305E h= 14.2 km
 erh= 2.0km erz= 2.1km
 nr= 9 gap=138 rms=0.44
 Locality: Erdőtelek
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	40.5	311	Pg	12:00:45.52			-0.06
			Sg		00:51.27		-0.30
BSZH	42.4	184	Sg	12:00:51.82			-0.32
PENC	77.7	279	Pg	12:00:52.92			0.90
			Sg		01:02.80		-0.22
KECS	90.3	9	S*	12:01:06.22			-0.43

Hypocenter Parameters

ABAH 97.7 46 P* 12:00:55.50 0.30
 S* 01:08.33 -0.35
 PKS7 111.4 231 Sn 12:01:11.54 -0.39

933.

2023-07-18 time: 15:15:39.42 UTC ML= 1.5
 lat: 47.275N lon: 17.666E h= 0.0 km
 erh= 2.3km erz= 3.6km
 nr= 11 gap=135 rms=1.10
 Locality: Homokbödöge
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	15.1	219	Pg	15:15:42.82			0.70
			Sg	15:44.78			0.56
PKST	28.0	94	Pg	15:15:45.36			0.94
			Sg	15:48.84			0.53
EGYH	29.8	302	Pg	15:15:45.34			0.60
			Sg	15:48.89			0.01
PKSG	56.3	77	Pg	15:15:49.63			0.15
RONA	113.5	295	Pg	15:15:59.59			-0.10
			Sg	16:13.35			-2.14
MORH	139.5	148	Sn	15:16:20.32			-2.58
PKSM	139.8	148	Sn	15:16:20.09			-2.87

934.

2023-07-18 time: 16:54:03.88 UTC ML= 1.0
 lat: 47.861N lon: 16.284E h= 13.3 km
 erh= 2.6km erz= 2.4km
 nr= 8 gap=134 rms=0.33
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	18.0	177	Pg	16:54:08.00			0.12
			Sg	54:10.54			-0.46
WINA	31.5	330	Pg	16:54:09.95			-0.05
			Sg	54:14.34			-0.42
CONA	32.4	283	Pg	16:54:10.30			0.16
			Sg	54:15.19			0.17
KRUC	133.7	4	Sn	16:54:41.59			-1.47
JAVC	151.3	43	Pn	16:54:28.44			0.36

935.

2023-07-19 time: 3:00:13.47 UTC ML= 1.4
 lat: 45.915N lon: 16.006E h= 4.5 km
 erh= 1.4km erz= 2.2km
 nr= 15 gap=182 rms=0.35
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.1	246	Pg	3:00:14.59			0.04
			Sg	00:15.60			0.21
R971	8.6	178	PgU	3:00:14.80			-0.40
ZAG	9.6	186	Pg	3:00:15.23			-0.13
			Sg	00:17.01			0.17
GCIS	29.9	260	iPg	3:00:19.00			0.14
			iSg	00:22.77			-0.30
GOLS	31.4	290	iPg	3:00:19.53			0.39
CRES	43.8	257	Pg	3:00:21.28			-0.05
			Sg	00:27.10			-0.36
RCF6	46.6	356	Sg	3:00:28.80			0.45
LEGS	53.5	274	iPg	3:00:23.51			0.45
			iSg	00:30.58			0.04
GROS	72.1	327	Sg	3:00:35.41			-1.01
PERS	105.4	319	Sg	3:00:44.80			-2.21*

Földrengés paraméterek

936.

2023-07-19 time: 6:51:36.59 UTC ML= 1.6
 lat: 48.336N lon: 19.854E h= 0.0 km
 erh= 3.4km erz= 9.0km
 nr= 10 gap=166 rms=0.97
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	46.5	176	Pg	6:51:44.29			-0.61
			Sg	51:50.86			-0.52
KECS	49.5	71	Pg	6:51:45.70			0.27
			Sg	51:51.56			-0.77
LANS	94.9	343	Pg	6:51:54.06			0.52
			Sg	52:03.69			-3.07
ABAH	102.8	92	Pg	6:51:55.56			0.61
			Sg	52:07.84			-1.44
NIE	125.0	16	Pg	6:51:59.00			0.08
STHS	157.6	40	Pn	6:52:05.18			1.91

937.

2023-07-19 time: 8:45:37.99 UTC ML= 1.1
 lat: 48.615N lon: 20.693E h= 0.0 km
 erh= 2.3km erz= 731km
 nr= 7 gap=149 rms=0.48
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	21.2	226	Pg	8:45:41.72			-0.06
			Sg	45:45.64			0.91
ABAH	53.8	131	Pg	8:45:47.68			0.08
			Sg	45:54.94			-0.16
NIE	93.6	343	Sg	8:46:08.30			0.56
PSZ	97.6	217	Sg	8:46:08.57			-0.43
LANS	107.8	304	Sg	8:46:11.27			-0.98

938.

2023-07-19 time: 9:02:21.37 UTC ML= 1.5
 lat: 48.609N lon: 20.417E h= 0.0 km
 erh= 2.9km erz= 880km
 nr= 8 gap=125 rms=0.62
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	14.9	160	Pg	9:02:23.97			-0.06
			Sg	02:25.46			-0.64
ABAH	70.1	120	Pg	9:02:34.77			0.89
			Sg	02:42.60			-1.04
PSZ	86.1	207	Pg	9:02:37.35			0.61
			Sg	02:48.07			-0.66
NIE	90.4	355	Sg	9:02:49.98			-0.12
LANS	92.1	311	Sg	9:02:50.25			-0.39

939.

2023-07-19 time: 9:05:38.25 UTC ML= 2.0
 lat: 48.867N lon: 20.516E h= 0.0 km
 erh= 2.9km erz= 4.0km
 nr= 18 gap= 89 rms=1.14
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	42.7	183	Pg	9:05:46.20			0.32
			Sg	05:51.92			0.09
NIE	63.1	346	Pg	9:05:49.96			0.43
			Sg	05:57.24			-1.08
STHS	81.0	41	Pg	9:05:53.03			0.31
			Sg	06:02.69			-1.31

Földrengés paraméterek

Hypocenter Parameters

LANS	82.9	292	Pg	9:05:52.33	-0.73
			Sg	06:03.92	-0.68
ABAH	83.0	140	Pg	9:05:53.48	0.41
PSZ	115.1	204	Pg	9:05:59.01	0.21
			Sg	06:12.51	-2.32
KOLS	129.1	87	Pg	9:06:01.58	0.28
			Sg	06:17.54	-1.74
OJC	159.1	341	Pn	9:06:06.82	1.69
			Sn	06:26.43	0.34
TRPA	170.5	119	Pn	9:06:08.95	2.40
			Sn	06:26.43	-2.19
KWP	180.8	62	Sn	9:06:29.38	-1.52

940.

2023-07-19 time: 10:00:23.41 UTC ML= 1.5
 lat: 48.097N lon: 16.965E h= 0.0 km
 erh= 2.3km erz= 610km
 nr= 8 gap=140 rms=0.44
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.0	43	Pg	10:00:26.43	0.33
			Sg	00:28.31	0.12
MODS	38.5	37	Pg	10:00:30.42	0.13
			Sg	00:34.73	-0.93
RONA	66.7	229	Pg	10:00:35.82	0.49
			Sg	00:44.12	-0.50
EGYH	80.4	160	Sg	10:00:48.73	-0.23
CONA	84.5	257	Sg	10:00:49.67	-0.59

941.

2023-07-19 time: 10:14:25.79 UTC ML= 0.8
 lat: 47.239N lon: 18.215E h= 0.0 km
 erh= 5.8km erz= 753km
 nr= 6 gap=223 rms=0.44
 Locality: Bakonykúti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	13.8	279	Pg	10:14:28.68	0.42
			Sg	14:30.46	0.27
CSKK	14.2	14	Sg	10:14:30.33	0.02
PKSG	21.6	38	Pg	10:14:29.76	0.12
			Sg	14:31.97	-0.68
MPLH	51.7	261	Sg	10:14:41.36	-0.87

942.

2023-07-19 time: 13:11:12.89 UTC ML= 1.5
 lat: 46.766N lon: 22.836E h= 0.0 km
 erh= 9.5km erz= 7.4km
 nr= 6 gap=251 rms=0.84
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	9.9	286	Pg	13:11:14.09	-0.58
			Sg	11:16.59	0.54
DEV	98.3	177	Sg	13:11:44.45	0.31
SURR	125.2	206	Sg	13:11:50.71	-1.98
GZR	152.7	182	Pn	13:11:39.84	0.87
			Sn	11:59.72	0.42

943.

2023-07-19 time: 13:21:34.94 UTC ML= 1.6
 lat: 48.558N lon: 20.799E h= 0.0 km
 erh= ---km erz= ---km
 nr= 4 gap=242 rms=0.12
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	250	Pg	13:21:39.40	0.07
			Sg	21:42.53	-0.22
ABAH	43.7	132	Sg	13:21:48.76	-0.08
PSZ	97.8	223	Sg	13:22:06.16	0.13

944.

2023-07-19 time: 16:34:35.70 UTC ML= 1.4
 lat: 47.751N lon: 20.149E h= 18.6 km
 erh= 1.7km erz= 0.8km
 nr= 6 gap=220 rms=0.13
 Locality: Detk
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	26.6	314	PgU	16:34:41.35	-0.14
			Sg	34:46.14	0.13
PENC	65.1	274	S*	16:34:56.99	0.08
KECS	85.1	17	S*	16:35:02.38	0.05
ABAH	101.4	53	Pn	16:34:53.12	0.11
			Sn	35:06.27	-0.23

945.

2023-07-20 time: 7:58:12.06 UTC ML= 1.4
 lat: 46.129N lon: 17.989E h= 0.0 km
 erh= 1.8km erz= 2.4km
 nr= 15 gap=118 rms=0.63
 Locality: Dinnyeberki
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	33.7	143	Pg	7:58:18.66	0.59
			Sg	58:22.31	-0.44
PKSM	51.2	80	Pg	7:58:21.32	0.12
			Sg	58:27.76	-0.58
MORH	51.5	79	Pg	7:58:21.52	0.26
			Sg	58:28.00	-0.43
PKS9	55.6	24	Sg	7:58:30.65	0.93
PKB4	62.5	49	Sg	7:58:32.25	0.32
MPLH	120.7	343	Pg	7:58:33.66	0.05
			Sg	58:50.26	-0.17
PKST	125.6	2	Pg	7:58:35.23	0.74
			Sg	58:50.64	-1.35
CSKK	138.7	9	Sn	7:58:54.24	-1.13
PKSG	143.7	12	Sn	7:58:55.65	-0.82
PTJ	159.3	261	Sn	7:58:57.76	-2.18

946.

2023-07-20 time: 8:19:47.01 UTC ML= 0.9
 lat: 46.234N lon: 18.240E h= 0.0 km
 erh= 2.6km erz= 779km
 nr= 8 gap=154 rms=0.55
 Locality: Komló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	31.1	95	Pg	8:19:53.24	0.69
			Sg	19:56.53	-0.35
MORH	31.3	94	Pg	8:19:52.85	0.26
			Sg	19:56.06	-0.88
PKSV	38.4	179	Pg	8:19:54.18	0.31
			Sg	19:58.40	-0.82
MPLH	117.0	333	Sg	8:20:24.31	0.10
PKSG	129.2	5	Sg	8:20:27.28	-0.80

Hypocenter Parameters

Földrengés paraméterek

947.

2023-07-20 time: 9:26:06.30 UTC ML= 1.1
 lat: 47.968N lon: 16.078E h= 0.0 km
 erh= 1.3km erz= 3.1km
 nr= 7 gap=137 rms=0.26
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.8	255	Pg	9:26:09.13			-0.16
			Sg		26:11.79		0.16
RONA	34.0	151	Pg	9:26:12.26			-0.11
			Sg		26:17.19		0.08
KRUC	123.8	11	Pg	9:26:28.46			0.05
			Sg		26:43.93		-1.73
VRAC	153.8	14	Pn	9:26:32.82			0.31

948.

2023-07-20 time: 9:32:31.56 UTC ML= 1.3
 lat: 45.705N lon: 17.362E h= 14.3 km
 erh= 1.5km erz= 0.4km
 nr= 8 gap=340 rms=0.08
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOVH	71.4	53	Pg	9:32:44.57			0.01
			Sg		32:54.63		-0.07
PKSV	72.2	74	Pg	9:32:44.71			0.01
			Sg		32:54.89		-0.06
PKSM	114.1	60	Pn	9:32:50.88			-0.11
			Sn		33:06.10		-0.05
MORH	114.5	60	Pn	9:32:51.16			0.12
			Sn		33:06.38		0.14

949.

2023-07-20 time: 9:34:07.89 UTC ML= 1.1
 lat: 47.982N lon: 16.095E h= 0.0 km
 erh= 2.2km erz= 585km
 nr= 6 gap=144 rms=0.34
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	18.4	251	Pg	9:34:11.02			-0.16
			Sg		34:13.92		0.17
RONA	34.8	154	Pg	9:34:14.02			-0.09
			Sg		34:19.08		0.12
KRUC	122.1	10	Pg	9:34:30.07			0.37
			Sg		34:45.37		-1.34

950.

2023-07-20 time: 9:59:58.11 UTC ML= 1.5
 lat: 48.189N lon: 16.904E h= 0.0 km
 erh= 1.6km erz= 247km
 nr= 6 gap=252 rms=0.14
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	14.7	87	Pg	10:00:00.66			-0.09
			Sg		00:02.66		-0.14
MODS	34.5	53	Pg	10:00:04.46			0.19
			Sg		00:09.23		0.16
JAVC	93.6	37	Sg	10:00:27.70			-0.16
			Sg		10:00:31.13		-0.07

951.

2023-07-20 time: 19:08:48.18 UTC ML= 0.4
 lat: 47.314N lon: 18.295E h= 10.9 km
 erh= 3.2km erz= 3.6km
 nr= 7 gap=174 rms=0.27
 Locality: Söréd
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	6.1	335	Pg	19:08:50.27			-0.13
			Sg		08:51.65		-0.49
PKSG	11.3	40	Pg	19:08:51.13			0.15
			Sg		08:53.38		0.22
PKST	20.6	253	Pg	19:08:52.43			0.08
			Sg		08:56.03		0.43
TIH	55.2	214	Sg	19:09:05.64			-0.42

952.

2023-07-21 time: 0:20:39.55 UTC ML= 1.8
 lat: 45.879N lon: 16.021E h= 10.0 km
 erh= 1.7km erz= 1.0km
 nr= 28 gap=108 rms=0.59
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
R971	4.6	190	Pg	0:20:41.34			-0.18
			Sg		20:42.76		-0.30
PTJ	5.4	296	Pg	0:20:41.50			-0.08
			Sg		20:42.63		-0.54
ZAG	5.9	201	PgD	0:20:41.73			0.10
			Sg		20:43.26		0.01
GCIS	30.6	268	iPg	0:20:45.74			0.44
			iSg		20:49.80		0.02
GOLS	34.0	295	iSg	0:20:51.16			0.33
			Pg		0:20:47.90		0.25
CRES	44.2	262	Sg	20:54.55			0.59
			Sg		0:20:55.77		-0.22
LEGS	55.1	278	iSg	0:20:56.76			-0.59
KOGS	65.7	16	Pg	0:20:52.14			0.72
			Sg		21:00.75		0.07
GROS	76.1	328	Pg	0:20:53.29			0.03
			Sg		21:03.05		-0.90
BEHE	87.8	42	Sg	0:21:05.83			-1.82
VISS	92.2	265	iPg	0:20:56.27			0.16
			iSg		21:08.38		-0.64
PERS	109.3	320	Pn	0:20:58.82			-0.11
			Sn		21:12.10		-1.95
SOKA	117.0	319	Pn	0:21:00.01			0.11
			Sn		21:14.33		-1.44
OBKA	133.5	302	Pn	0:21:03.25			1.30
			Sn		21:19.24		-0.18
ARSA	157.2	346	Sn	0:21:25.48			0.80
KOVH	162.8	82	Sn	0:21:28.39			2.47

953.

2023-07-21 time: 0:22:17.86 UTC ML= 0.6
 lat: 47.653N lon: 16.010E h= 10.7 km
 erh= 1.5km erz= 1.9km
 nr= 9 gap=143 rms=0.31
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	22.1	77	Pg	0:22:22.41			0.16
			Sg		22:24.82		-0.86
CONA	32.5	340	Pg	0:22:23.99			0.02
			Sg		22:28.59		-0.15
WINA	50.7	5	Pg	0:22:27.62			0.51
			Sg		22:34.16		-0.17
ARSA	57.9	219	Pg	0:22:28.55			0.18
			Sg		22:36.20		-0.37

Földrengés paraméterek

Hypocenter Parameters

KRUC 159.2 10 Sn 0:23:02.93 -0.34

957.

954.

2023-07-21 time: 2:00:10.98 UTC ML= 1.6
 lat: 46.132N lon: 16.492E h= 13.5 km
 erh= 1.3km erz= 1.1km
 nr= 19 gap=136 rms=0.48
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	39.7	332	Pg	2:00:18.57	0.10
			Sg	00:24.11	-0.21
BEHE	43.5	30	Pg	2:00:19.51	0.41
			Sg	00:25.30	-0.14
RCF6	46.7	299	Sg	2:00:26.31	-0.13
PTJ	48.7	238	Pg	2:00:20.06	0.05
			Sg	00:26.85	-0.20
R971	49.6	229	Pg	2:00:20.22	0.06
			Sg	00:26.97	-0.36
ZAG	51.2	229	Pg	2:00:20.80	0.36
			Sg	00:28.44	0.62
GROS	84.6	296	Sg	2:00:36.81	-1.39
CRES	87.1	247	P*	2:00:26.83	0.12
			S*	00:38.71	-0.27
PERS	119.7	298	Sn	2:00:46.09	-0.88
KOVH	124.4	92	Pn	2:00:31.40	-0.39
			Sn	00:47.45	-0.58
SOKA	127.5	298	Sn	2:00:49.65	0.93
ARSA	144.7	329	Sn	2:00:53.59	1.06
BLY	163.0	161	Sn	2:01:00.19	3.59*

955.

2023-07-21 time: 6:47:10.09 UTC ML= 1.4
 lat: 48.077N lon: 20.708E h= 0.0 km
 erh= 4.3km erz= 5.0km
 nr= 9 gap=166 rms=1.21
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.4	58	Pg	6:47:19.44	1.06
			Sg	47:24.76	-0.09
KECS	48.1	340	Pg	6:47:19.05	0.37
			Sg	47:25.31	-0.06
PSZ	63.2	254	Pg	6:47:22.78	1.40
			Sg	47:30.00	-0.19
PENC	111.2	253	Sg	6:47:43.20	-2.25
TRPA	136.5	88	Sn	6:47:50.64	-2.27
NIE	152.0	349	Sn	6:47:54.94	-1.41

956.

2023-07-21 time: 8:22:03.52 UTC ML= 1.4
 lat: 45.600N lon: 17.188E h= 0.0 km
 erh= 5.4km erz= 2.4km
 nr= 10 gap=212 rms=1.10
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	88.8	69	Pg	8:22:20.14	0.77
			Sg	22:31.94	0.20
KOVH	89.2	53	Pg	8:22:21.14	1.70
			Sg	22:31.40	-0.47
KOGS	119.0	322	Pg	8:22:24.89	0.13
PKSM	131.7	59	Pn	8:22:26.89	-0.08
			Sn	22:42.93	-2.33
MORH	132.1	59	Pn	8:22:27.18	0.16
			Sn	22:42.72	-2.63
CRES	137.1	281	Sn	8:22:45.30	-1.17

2023-07-21 time: 8:46:40.00 UTC ML= 0.5
 lat: 47.889N lon: 16.081E h= 0.0 km
 erh= 4.1km erz= 7.0km
 nr= 6 gap=132 rms=1.12
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.9	285	Pg	8:46:43.21	0.18
			Sg	46:46.58	1.19
RONA	26.6	143	Pg	8:46:45.25	0.51
			Sg	46:49.24	0.80
ARSA	82.5	211	Sg	8:47:04.69	-1.53
KRUC	132.4	10	Sn	8:47:19.37	-2.54

958.

2023-07-21 time: 8:53:17.75 UTC ML= 1.4
 lat: 48.586N lon: 20.783E h= 0.0 km
 erh= 2.3km erz= 5.8km
 nr= 9 gap= 97 rms=0.74
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.8	243	Pg	8:53:22.86	0.69
			Sg	53:25.40	-0.22
ABAH	46.7	134	Pg	8:53:26.96	0.87
			Sg	53:32.44	-0.15
STHS	98.3	20	Pg	8:53:35.03	-0.28
NIE	98.8	340	Sg	8:53:48.49	-0.66
PSZ	99.3	222	Pg	8:53:35.83	0.34
			Sg	53:48.20	-1.12
TRPA	139.7	111	Sn	8:53:59.13	-2.14

959.

2023-07-21 time: 9:26:08.06 UTC ML= 0.9
 lat: 47.864N lon: 16.036E h= 0.0 km
 erh= 2.5km erz= 4.1km
 nr= 8 gap=106 rms=0.86
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.9	299	Pg	9:26:11.54	0.83
			Sg	26:13.42	0.64
RONA	26.7	133	PgU	9:26:13.40	0.57
			Sg	26:17.02	0.46
SOP	44.0	117	Sg	9:26:21.61	-0.44
ARSA	78.4	209	Sg	9:26:31.71	-1.27
KRUC	135.8	11	Pn	9:26:31.64	-0.38
			Sn	26:48.46	-2.25

960.

2023-07-21 time: 9:35:33.06 UTC ML= 1.2
 lat: 47.876N lon: 16.066E h= 0.0 km
 erh= 2.2km erz= 3.8km
 nr= 7 gap=128 rms=0.80
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.4	291	Pg	9:35:36.54	0.56
			Sg	35:38.50	0.25
RONA	26.1	139	Pg	9:35:38.38	0.66
			Sg	35:41.36	0.01
ARSA	80.6	210	Sg	9:35:57.48	-1.20
KRUC	134.1	10	Pn	9:35:56.66	-0.15
			Sn	36:12.90	-2.45

Hypocenter Parameters

Földregés paraméterek

961.

2023-07-21 time: 10:00:22.59 UTC ML= 1.3
 lat: 48.598N lon: 20.921E h= 0.0 km
 erh= 2.2km erz= 8.8km
 nr= 11 gap= 86 rms=0.76
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	34.6	248	Pg	10:00:29.09	0.33
			Sg	00:32.06	-1.51
ABAH	41.0	145	Pg	10:00:30.19	0.28
			Sg	00:36.06	0.43
STHS	94.1	15	Pg	10:00:39.87	0.49
			Sg	00:51.69	-0.79
NIE	101.5	334	Pg	10:00:41.69	0.97
			Sg	00:53.98	-0.88
KOLS	106.2	69	Sg	10:00:55.62	-0.72
			Pg	10:00:41.69	-0.06
PSZ	107.3	225	Pg	10:00:41.69	-0.06
TRPA	130.7	113	Sn	10:01:01.47	-2.65

962.

2023-07-21 time: 10:33:50.28 UTC ML= 1.6
 lat: 46.754N lon: 22.762E h= 0.0 km
 erh= 4.7km erz= 2.9km
 nr= 7 gap=222 rms=0.41
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	5.7	317	Pg	10:33:50.84	-0.45
			Sg	33:52.41	0.33
SURR	121.6	204	Pg	10:34:12.13	0.15
			Sg	34:28.41	-0.50
GZR	151.3	180	Pn	10:34:16.83	0.66
			Sn	34:36.08	-0.29
BZS	154.3	215	Sn	10:34:37.10	0.06

963.

2023-07-24 time: 5:24:59.55 UTC ML= 1.2
 lat: 48.447N lon: 17.491E h= 0.0 km
 erh= 2.1km erz= 375km
 nr= 8 gap=210 rms=0.27
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	8.7	328	Pg	5:25:01.27	0.17
			Sg	25:02.18	-0.13
MODS	17.8	243	PgU	5:25:03.14	0.41
			Sg	25:05.10	-0.11
ZST	40.1	226	Sg	5:25:11.66	-0.64
JAVC	47.7	16	Pg	5:25:08.12	0.06
			Sg	25:14.35	-0.35
KRUC	105.6	310	Pg	5:25:18.31	-0.10

964.

2023-07-24 time: 5:28:55.38 UTC ML= 1.8
 lat: 48.500N lon: 17.335E h= 0.0 km
 erh= 1.3km erz= 481km
 nr= 11 gap=119 rms=0.39
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	7.1	78	PgU	5:28:56.63	-0.02
			Sg	28:57.76	0.12
MODS	14.7	197	PgU	5:28:58.50	0.49
			Sg	29:00.46	0.40
ZST	38.0	207	Pg	5:29:02.20	0.04

			Sg	29:06.89	-0.56
JAVC	46.9	32	Pg	5:29:03.38	-0.38
			Sg	29:09.96	-0.34
KRUC	93.1	312	Sg	5:29:25.52	0.55
VRAC	105.0	329	Sg	5:29:28.91	0.15
CONA	126.6	240	Sg	5:29:34.66	-0.97

965.

2023-07-24 time: 9:40:16.02 UTC ML= 1.4
 lat: 48.675N lon: 21.371E h= 0.0 km
 erh= 3.8km erz= 4.7km
 nr= 8 gap=199 rms=0.66
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	43.2	193	Pg	9:40:23.79	0.05
			Sg	40:29.81	0.05
KECS	68.7	252	Pg	9:40:28.40	0.11
			Sg	40:38.55	0.69
STHS	83.0	354	Sg	9:40:41.84	-0.57
NIE	113.3	317	Pg	9:40:36.93	0.68
			Sg	40:50.00	-2.02
PSZ	138.1	232	Sn	9:40:58.19	-1.00

966.

2023-07-24 time: 9:53:08.35 UTC ML= 1.8
 lat: 46.818N lon: 22.896E h= 0.0 km
 erh= 5.2km erz= 2.9km
 nr= 8 gap=281 rms=0.52
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	14.4	258	Pg	9:53:10.64	-0.28
			Sg	53:13.46	0.54
DEV	103.8	180	Pg	9:53:27.23	0.33
			Sg	53:41.24	-0.12
SURR	132.3	207	Sn	9:53:47.42	-2.82
GZR	158.6	183	Pn	9:53:35.06	-0.10
			Sn	53:55.56	-0.51
BZS	166.0	216	Sn	9:53:58.38	0.67

967.

2023-07-24 time: 13:03:25.25 UTC ML= 1.5
 lat: 45.673N lon: 22.398E h= 0.0 km
 erh= 4.2km erz= 8.7km
 nr= 9 gap=128 rms=1.03
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	23.1	293	Pg	13:03:30.39	1.01
			Sg	03:33.40	0.80
GZR	42.9	136	Pg	13:03:33.20	0.29
			Sg	03:38.29	-0.59
BZS	61.3	264	Pg	13:03:36.11	-0.08
			Sg	03:43.06	-1.66
DRGR	126.7	11	Pg	13:03:48.78	0.91
CJR	148.2	39	Sg	04:03.02	-2.49
			Sn	13:04:09.02	-1.63

968.

2023-07-25 time: 6:08:37.41 UTC ML= 1.9
 lat: 47.302N lon: 16.353E h= 0.0 km
 erh= 2.6km erz= ***km
 nr= 13 gap= 86 rms=0.87
 Locality: Austria
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
RONA	44.4	354	Pg	6:08:45.39	0.05
			Sg	08:50.15	-1.37
ARSA	63.1	265	Pg	6:08:49.17	0.50
			Sg	08:55.63	-1.83
EGYH	75.0	80	Sg	6:09:00.44	-0.82
CONA	78.8	332	Pg	6:08:52.67	1.18
MPLH	91.0	99	Pg	6:08:54.22	0.56
			Sg	09:05.04	-1.30
KOGS	95.3	185	Pg	6:08:55.12	0.70
			Sg	09:07.34	-0.35
GROS	113.8	215	Pg	6:08:58.41	0.67
			Sg	09:12.15	-1.44
PERS	119.8	232	Pg	6:08:58.37	-0.43

969.

2023-07-25 time: 6:17:02.31 UTC ML= 1.9
 lat: 47.321N lon: 16.327E h= 0.0 km
 erh= 2.1km erz= 5.9km
 nr= 16 gap= 78 rms=0.84
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	42.2	357	Pg	6:17:09.56	-0.28
			Sg	17:14.96	-0.76
ARSA	61.3	263	Pg	6:17:14.08	0.82
			Sg	17:21.43	-0.38
CONA	76.1	333	Pg	6:17:16.37	0.47
			Sg	17:26.54	0.05
EGYH	76.6	82	Pg	6:17:17.56	1.57
			Sg	17:25.97	-0.69
KOGS	97.2	183	Pg	6:17:19.44	-0.22
			Sg	17:31.26	-1.94
BEHE	100.5	160	Pg	6:17:21.07	0.81
			Sg	17:34.03	-0.23
GROS	114.4	213	Pg	6:17:22.96	0.22
			Sg	17:37.52	-1.16
MODS	137.0	31	Pn	6:17:25.77	-0.65
			Sn	17:42.28	-2.95

970.

2023-07-25 time: 7:02:22.63 UTC ML= 1.1
 lat: 46.117N lon: 18.117E h= 0.0 km
 erh= 2.0km erz= 338km
 nr= 8 gap=231 rms=0.24
 Locality: Kővágótóttós
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	3.4	203	Pg	7:02:22.96	-0.28
			Sg	02:23.94	0.22
PKSV	27.4	158	Pg	7:02:27.34	-0.19
			Sg	02:31.57	0.22
PKSM	41.8	75	Pg	7:02:30.32	0.22
			Sg	02:35.64	-0.29
MORH	42.2	75	Pg	7:02:30.43	0.27
			Sg	02:35.83	-0.20

971.

2023-07-25 time: 8:11:44.04 UTC ML= 1.2
 lat: 48.575N lon: 20.762E h= 0.0 km
 erh= 2.7km erz= 758km
 nr= 7 gap=137 rms=0.50
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	243	Pg	8:11:48.07	-0.05
			Sg	11:50.89	-0.42
ABAH	47.0	131	Pg	8:11:52.82	0.38
			Sg	11:58.29	-0.70

PSZ	97.4	221	Pg	8:12:02.16	0.72
			Sg <td>12:14.37</td> <td>-0.64</td>	12:14.37	-0.64
STHS	100.0	21	Sg <td>8:12:15.47</td> <td>-0.34</td>	8:12:15.47	-0.34

972.

2023-07-25 time: 8:18:10.14 UTC ML= 0.8
 lat: 47.219N lon: 18.272E h= 0.0 km
 erh= 2.4km erz= 726km
 nr= 8 gap=141 rms=0.51
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.0	357	Pg	8:18:13.21	0.21
			Sg	18:14.43	-0.81
PKST	18.5	284	Pg	8:18:14.00	0.56
			Sg	18:15.13	-0.89
PKSG	21.2	25	Pg	8:18:14.38	0.46
			Sg	18:16.34	-0.54
MORH	115.1	166	Sg	8:18:46.69	-0.03
PKSM	115.5	166	Sg	8:18:46.49	-0.35

973.

2023-07-25 time: 9:59:59.69 UTC ML= 1.7
 lat: 48.152N lon: 16.876E h= 0.0 km
 erh= 2.2km erz= 672km
 nr= 9 gap=147 rms=0.50
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.6	74	Pg	10:00:02.99	0.16
			Sg	00:05.03	-0.25
MODS	38.7	50	Pg	10:00:06.79	0.18
			Sg	00:10.90	-1.10
RONA	66.3	221	Pg	10:00:11.92	0.38
			Sg	00:20.06	-0.72
CONA	79.6	252	Sg	10:00:24.60	-0.39
KRUC	107.2	341	Pg	10:00:19.51	0.67
			Sg	00:33.20	-0.58

974.

2023-07-25 time: 10:31:03.48 UTC ML= 1.4
 lat: 46.924N lon: 22.843E h= 0.0 km
 erh= 9.0km erz= 5.4km
 nr= 6 gap=220 rms=0.82
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	17.9	214	Pg	10:31:07.06	0.39
			Sg	31:08.87	-0.29
GZR	170.3	182	Pn	10:31:32.55	0.81
			Sn	31:51.36	-2.43
BZS	173.4	213	Sn	10:31:54.28	-0.21
ABAH	194.4	322	Sn	10:31:58.18	-0.96

975.

2023-07-25 time: 12:16:18.48 UTC ML= 1.8
 lat: 47.094N lon: 19.370E h= 0.0 km
 erh= 4.2km erz= 740km
 nr= 12 gap=186 rms=0.61
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.7	252	Pg	12:16:21.68	0.21
			Sg	16:23.13	-0.67
PKB1	55.9	232	Pg	12:16:28.60	0.14
PKB5	73.6	221	Pg	12:16:32.68	1.05

Hypocenter Parameters

PENC 77.7 355 Pg 12:16:33.11 0.75
 PKB4 88.5 221 Pg 12:16:34.87 0.58
 PSZ 99.8 23 Pg 12:16:35.85 -0.46
 Sg 16:49.61 -0.60
 PKS9 100.5 236 Pg 12:16:35.96 -0.48
 MORH 112.3 210 Pg 12:16:38.08 -0.46
 Sg 16:52.39 -1.80
 PKSM 112.8 210 Pg 12:16:38.39 -0.24

976.

2023-07-25 time: 14:24:42.70 UTC ML= 1.6
 lat: 47.772N lon: 18.243E h= 0.0 km
 erh= 1.8km erz= 3.3km
 nr= 13 gap=116 rms=0.54
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SRO	7.0	49	PgU	14:24:43.96			0.01
			Sg	24:44.55			-0.38
PKSG	43.7	165	Pg	14:24:51.01			0.50
CSKK	45.5	178	Sg	14:24:56.08			-1.08
PKST	59.2	195	Pg	14:24:53.43			0.16
			Sg	25:00.72			-0.79
EGYH	79.1	240	Sg	14:25:07.88			0.04
MPLH	85.4	218	Pg	14:24:58.78			0.83
			Sg	25:09.36			-0.48
MODS	98.2	313	Pg	14:25:00.10			-0.15
			Sg	25:12.70			-1.23
RONA	146.2	267	Pn	14:25:08.23			0.26
			Sn	25:28.20			0.52

977.

2023-07-25 time: 16:45:29.07 UTC ML= 1.9
 lat: 46.498N lon: 16.234E h= 7.4 km
 erh= 1.6km erz= 2.0km
 nr= 17 gap=127 rms=0.52
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	5.6	167	Pg	16:45:30.46			-0.28
			Sg	45:31.99			-0.05
RCF6	27.9	229	Pg	16:45:34.05			-0.18
			Sg	45:38.77			0.52
BEHE	41.7	94	Sg	16:45:42.79			0.26
GROS	56.4	266	Sg	16:45:46.19			-0.96
PTJ	69.8	198	Pg	16:45:41.34			-0.26
			Sg	45:52.61			1.24
PERS	87.1	280	Pg	16:45:45.14			0.46
			Sg	45:57.09			0.24
SOKA	94.3	282	Pg	16:45:46.19			0.23
			Sg	45:59.15			0.02
CRES	95.8	219	Pg	16:45:46.50			0.27
			Sg	45:58.09			-1.52
ARSA	99.7	327	Pg	16:45:46.99			0.06
			Sg	45:57.93			-2.93*
KOVH	150.8	108	Sn	16:46:12.86			-0.50

978.

2023-07-26 time: 6:46:19.58 UTC ML= 0.8
 lat: 47.970N lon: 16.062E h= 0.0 km
 erh= 3.5km erz= ***km
 nr= 6 gap=119 rms=0.62
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.7	253	Pg	6:46:22.73			0.35
			Sg	46:24.16			-0.40
RONA	34.8	150	Pg	6:46:26.04			0.23
			Sg	46:29.94			-0.72

Földrengés paraméterek

MODS 100.9 64 Sg 6:46:52.56 0.90
 KRUC 123.8 11 Sg 6:46:57.70 -1.25

979.

2023-07-26 time: 8:00:00.50 UTC ML= 2.0
 lat: 46.853N lon: 17.248E h= 0.0 km
 erh= 2.6km erz= 4.1km
 nr= 21 gap= 78 rms=1.25
 Locality: Rezi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	41.7	32	Pg	8:00:08.81			0.86
			Sg	00:13.28			-0.47
TIH	49.4	84	Sg	8:00:15.84			-0.38
BEHE	55.8	220	Sg	8:00:18.29			0.04
EGYH	63.1	6	Pg	8:00:13.07			1.30
PKST	74.9	53	Pg	8:00:14.53			0.65
PKS9	84.1	111	Sg	8:00:26.50			-0.75
PKSG	105.4	55	Sg	8:00:32.38			-1.63
KOVH	107.2	142	Sg	8:00:33.09			-1.49
PKB4	111.0	111	Sg	8:00:34.42			-1.38
RCF6	114.4	240	Pg	8:00:22.15			1.22
RONA	118.6	323	Sg	8:00:36.00			-2.19
MORH	128.4	123	Pg	8:00:24.93			1.50
			Sg	00:39.92			-1.39
PKSM	128.4	124	Pg	8:00:25.09			1.65
			Sg	00:40.01			-1.32
ARSA	138.3	289	Sn	8:00:41.53			-2.20
GROS	140.6	252	Sn	8:00:42.57			-1.65
CONA	158.9	319	Sn	8:00:47.51			-0.79
MODS	169.1	1	Sn	8:00:50.32			-0.24
PSZ	232.3	59	Sn	8:01:05.52			0.93

980.

2023-07-26 time: 8:11:04.36 UTC ML= 1.4
 lat: 48.610N lon: 20.660E h= 0.0 km
 erh= 7.4km erz= ***km
 nr= 8 gap=163 rms=0.89
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	19.1	222	Pg	8:11:08.10			0.33
			Sg	11:10.94			0.51
PSZ	95.6	216	Pg	8:11:21.66			0.22
			Sg	11:33.52			-1.23
STHS	99.4	25	Pg	8:11:22.50			0.39
			Sg	11:34.53			-1.42
KOLS	123.9	73	Pg	8:11:27.24			0.75
			Sg	11:41.04			-2.71

981.

2023-07-26 time: 8:35:47.40 UTC ML= 1.7
 lat: 48.515N lon: 17.459E h= 0.0 km
 erh= 2.1km erz= 4.5km
 nr= 14 gap=162 rms=0.60
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	2.3	267	PgU	8:35:48.11			0.31
			Sg	35:48.38			0.27
MODS	20.7	221	Pg	8:35:51.62			0.53
			Sg	35:54.53			0.56
JAVC	41.3	22	Pg	8:35:54.68			-0.10
			Sg	36:00.54			0.01
KRUC	99.1	308	Pg	8:36:05.73			0.64
			Sg	36:18.17			-0.71
VRAC	108.7	324	Sg	8:36:20.03			-1.91
EGYH	122.4	184	Pg	8:36:08.86			-0.40
RONA	125.4	224	Pg	8:36:10.06			0.28

Földrengés paraméterek

Hypocenter Parameters

CONA 135.4 241 Sg 36:26.37 -0.87
 Pn 8:36:11.08 -0.24
 Sn 36:27.29 -2.69

sta dist azm phase hr mn sec res
 CONA 14.4 297 Pg 7:51:45.70 0.26
 Sg 51:47.35 -0.09
 RONA 27.3 134 Pg 7:51:47.77 0.02
 Sg 51:51.02 -0.54
 MODS 108.2 59 Sg 7:52:18.26 0.99
 KRUC 135.2 11 Sn 7:52:23.42 -1.98

982.

2023-07-26 time: 10:15:14.54 UTC ML= 1.4
 lat: 46.773N lon: 22.849E h= 0.0 km
 erh= 6.9km erz= 4.6km
 nr= 7 gap=261 rms=0.64
 Locality: Romania
 Comments: probably explosion

986.

2023-07-27 time: 8:06:26.33 UTC ML= 1.7
 lat: 48.581N lon: 20.782E h= 0.0 km
 erh= 4.8km erz= 513km
 nr= 6 gap=250 rms=0.33
 Locality: Tornanádaska
 Comments: probably explosion

sta dist azm phase hr mn sec res
 DRGR 10.7 281 Pg 10:15:16.09 -0.36
 Sg 15:18.32 0.38
 SURR 126.3 206 Pg 10:15:37.38 0.28
 Sg 15:52.67 -2.02
 GZR 153.5 182 Pn 10:15:40.86 0.15
 Sn 16:00.81 -0.32
 BZS 159.9 216 Sn 10:16:03.75 1.20

sta dist azm phase hr mn sec res
 KECS 24.4 243 Pg 8:06:30.75 0.06
 Sg 06:34.49 0.40
 ABAH 46.4 133 Pg 8:06:34.65 0.03
 Sg 06:41.47 0.39
 PSZ 98.9 222 Pg 8:06:43.78 -0.20
 Sg 06:56.80 -0.96

983.

2023-07-26 time: 20:33:05.05 UTC ML= 1.5
 lat: 45.810N lon: 17.296E h= 12.1 km
 erh= 2.0km erz= 1.1km
 nr= 14 gap=187 rms=0.36
 Locality: Croatia
 Comments:

987.

2023-07-27 time: 9:01:31.91 UTC ML= 1.2
 lat: 47.210N lon: 18.199E h= 0.0 km
 erh= 2.4km erz= 813km
 nr= 11 gap=131 rms=0.66
 Locality: Csór
 Comments: probably explosion

sta dist azm phase hr mn sec res
 KOVH 69.6 64 Pg 20:33:17.81 0.14
 Sg 33:27.73 0.23
 PKSV 74.8 83 Pg 20:33:18.63 0.05
 Sg 33:28.65 -0.48
 BEHE 83.7 331 Sg 20:33:31.82 -0.11
 KOGS 107.5 311 Pn 20:33:24.45 0.50
 Sn 33:38.39 -0.30
 PKSM 113.4 67 Pn 20:33:24.95 0.27
 Sn 33:39.24 -0.74
 MORH 113.7 67 Pn 20:33:24.66 -0.06
 Sn 33:39.54 -0.53
 RCF6 118.6 299 Sn 20:33:40.70 -0.45
 PKB4 126.6 53 Sn 20:33:44.42 1.50
 CRES 143.0 271 Sn 20:33:46.81 0.26

sta dist azm phase hr mn sec res
 PKST 13.6 294 Pg 9:01:34.74 0.39
 Sg 01:36.03 -0.22
 CSKK 17.7 15 Pg 9:01:35.49 0.42
 Sg 01:36.93 -0.60
 PKSG 24.9 36 Pg 9:01:36.46 0.10
 Sg 01:38.87 -0.96
 PKB1 65.3 136 Pg 9:01:44.37 0.79
 MORH 115.6 163 Pg 9:01:52.79 0.23
 Sg 02:06.80 -1.86
 PKSM 116.0 163 Pg 9:01:52.64 0.02
 Sg 02:07.15 -1.62

984.

2023-07-27 time: 7:05:21.17 UTC ML= 1.4
 lat: 47.300N lon: 18.421E h= 0.0 km
 erh= 4.6km erz= ***km
 nr= 6 gap=185 rms=0.65
 Locality: Zámoly
 Comments: probably explosion

988.

2023-07-27 time: 9:51:46.15 UTC ML= 1.6
 lat: 47.850N lon: 19.115E h= 0.0 km
 erh=27.9km erz= ***km
 nr= 5 gap=264 rms=1.46
 Locality: Szendehely
 Comments: probably explosion

sta dist azm phase hr mn sec res
 PKSG 10.5 347 PgU 7:05:23.20 0.16
 Sg 05:23.53 -0.97
 CSKK 14.0 300 Pg 7:05:24.58 0.90
 Sg 05:25.48 -0.15
 PKST 29.6 261 Sg 7:05:30.43 -0.16
 MORH 121.7 172 Sg 7:05:58.90 -0.96

sta dist azm phase hr mn sec res
 PENC 14.2 118 Pg 9:51:50.21 1.53
 Sg 51:51.86 1.21
 PSZ 58.8 83 Sg 9:52:03.91 -0.94
 PKSN 120.2 152 Sg 9:52:22.49 -1.88
 KECS 123.9 55 Sg 9:52:24.02 -1.52

985.

2023-07-27 time: 7:51:42.87 UTC ML= 0.7
 lat: 47.870N lon: 16.033E h= 0.0 km
 erh= 1.2km erz= 2.4km
 nr= 6 gap=163 rms=0.63
 Locality: Austria
 Comments: probably explosion

989.

2023-07-27 time: 10:15:20.13 UTC ML= 0.8
 lat: 47.230N lon: 18.261E h= 0.0 km
 erh= 1.6km erz= 445km
 nr= 8 gap=137 rms=0.32
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta dist azm phase hr mn sec res
 CSKK 14.8 360 Pg 10:15:22.84 0.07

Hypocenter Parameters

Földrengés paraméterek

Sg 15:24.64 -0.18
 PKST 17.5 281 Pg 10:15:23.58 0.33
 Sg 15:25.46 -0.23
 PKSG 20.4 29 Pg 10:15:23.97 0.19
 Sg 15:26.16 -0.47
 PKSM 116.9 166 Pg 10:15:40.96 -0.04
 Sg 15:55.04 -2.24

990.

2023-07-27 time: 11:10:31.80 UTC ML= 2.0
 lat: 48.226N lon: 21.277E h= 0.0 km
 erh= 7.9km erz= 6.8km
 nr= 9 gap=209 rms=1.22
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	8.3	340	PgU	11:10:34.27	0.99
			Sg	10:35.12	0.68
KECS	65.3	296	Pg	11:10:44.16	0.70
			Sg	10:51.13	-1.42
KOLS	107.6	43	Sg	11:11:04.36	-1.66
PSZ	108.6	252	Pg	11:10:51.74	0.55
			Sg	11:04.67	-1.64
NIE	150.4	332	Sn	11:11:15.39	-2.31
LANS	168.3	308	Sn	11:11:23.03	1.36

991.

2023-07-27 time: 11:33:16.67 UTC ML= 1.6
 lat: 46.885N lon: 22.691E h= 0.0 km
 erh= 5.3km erz= 3.6km
 nr= 8 gap=255 rms=0.79
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	10.5	171	Pg	11:33:18.89	0.35
			Sg	33:20.78	0.78
CJR	71.9	105	Sg	11:33:39.16	-0.35
SURR	133.0	199	Pn	11:33:40.82	0.53
			Sn	33:56.65	-2.06
BZS	163.5	210	Sn	11:34:04.69	-0.78
GZR	165.9	178	Pn	11:33:44.89	0.50
			Sn	34:04.85	-1.16

992.

2023-07-27 time: 17:01:39.08 UTC ML= 1.6
 lat: 45.501N lon: 18.058E h= 14.9 km
 erh= 3.1km erz= 1.6km
 nr= 9 gap=287 rms=0.31
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	45.6	19	Sg	17:01:55.12	0.79
KOVH	65.4	3	Pg	17:01:50.92	-0.12
			Sg	02:00.05	-0.33
PKSM	91.1	30	P*	17:01:55.59	0.30
			S*	02:07.83	-0.10
MORH	91.6	30	P*	17:01:55.43	0.07
			S*	02:07.51	-0.55
BEHE	146.6	317	Pn	17:02:02.26	-0.22
			Sn	02:21.08	0.34

993.

2023-07-27 time: 20:05:16.40 UTC ML= 1.8
 lat: 46.092N lon: 21.646E h= 10.0 km
 erh= 3.6km erz= 3.6km
 nr= 9 gap=148 rms=0.66
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	51.5	220	Pg	20:05:25.83	0.07
SURR	52.8	135	Pg	20:05:26.71	0.71
			Sg	05:33.26	-0.23
BZS	52.9	182	PgU	20:05:25.93	-0.08
			Sg	05:32.06	-1.45
DRGR	112.9	46	Pn	20:05:37.04	0.81
			Sn	05:50.56	-1.13
GZR	117.4	131	Sn	20:05:52.06	-0.63
LTVH	145.0	8	Sn	20:05:58.81	-0.01

994.

2023-07-28 time: 0:26:42.80 UTC ML= 1.4
 lat: 48.821N lon: 21.802E h= 13.7 km
 erh= 2.3km erz= 2.4km
 nr= 10 gap=102 rms=0.56
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	36.7	70	Pg	0:26:50.01	0.21
			Sg	26:54.17	-1.09
ABAH	71.7	215	Pg	0:26:56.71	0.88
			Sg	27:04.69	-1.31
STHS	77.8	328	Pg	0:26:57.12	0.21
			Sg	27:07.60	-0.32
TRPA	94.2	145	P*	0:26:59.53	-0.05
			S*	27:12.67	0.00
KECS	104.0	249	Pn	0:27:01.28	0.23
NIE	127.4	301	Sn	0:27:19.77	-0.71

995.

2023-07-28 time: 7:12:38.14 UTC ML= 1.5
 lat: 48.535N lon: 17.487E h= 0.0 km
 erh= 3.6km erz= 8.9km
 nr= 9 gap=201 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.9	242	PgU	7:12:38.78	-0.23
			Sg	12:39.46	-0.24
MODS	23.7	221	Pg	7:12:42.69	0.32
			Sg	12:45.03	-0.64
JAVC	38.5	20	Pg	7:12:45.15	0.13
			Sg	12:49.46	-0.93
KRUC	99.4	306	Pg	7:12:56.33	0.44
RONA	128.4	224	Pg	7:13:01.48	0.42
CONA	138.3	241	Sn	7:13:18.41	-2.95

996.

2023-07-28 time: 8:08:28.09 UTC ML= 1.4
 lat: 48.836N lon: 20.164E h= 0.0 km
 erh= 2.9km erz= 883km
 nr= 8 gap=118 rms=0.64
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.9	149	Sg	8:08:42.78	0.11
LANS	61.8	304	Pg	8:08:39.57	0.44
			Sg	08:46.92	-0.82

Földrengés paraméterek

Hypocenter Parameters

NIE 65.7 10 Pg 8:08:40.43 0.61
 Sg 08:48.57 -0.40
 ABAH 99.5 127 Sg 8:08:58.98 -0.75
 PSZ 104.0 191 Pg 8:08:47.08 0.41
 Sg 08:59.68 -1.48

997.

2023-07-28 time: 8:16:19.27 UTC ML= 1.7
 lat: 45.659N lon: 17.273E h= 0.0 km
 erh= 3.4km erz= 7.2km
 nr= 13 gap=113 rms=0.88
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	80.0	53	Pg	8:16:34.31	0.76
			Sg	16:44.24	-0.46
PKSV	80.3	71	Pg	8:16:34.54	0.93
			Sg	16:44.49	-0.31
BLY	101.4	184	Pg	8:16:37.79	0.42
			Sg	16:50.15	-1.33
KOGS	118.2	318	Sg	8:16:56.82	-0.01
PKSM	122.6	60	Pg	8:16:41.30	0.13
			Sg	16:56.57	-1.68
MORH	123.0	60	Pg	8:16:41.34	0.10
			Sg	16:56.55	-1.83
CRES	142.6	277	Pn	8:16:44.81	0.73
			Sn	17:00.95	-2.48

998.

2023-07-28 time: 12:02:11.45 UTC ML= 1.6
 lat: 46.751N lon: 22.840E h= 0.0 km
 erh= 3.2km erz= 2.2km
 nr= 7 gap=248 rms=0.29
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	10.9	294	Pg	12:02:13.06	-0.32
			Sg	02:15.40	0.50
SURR	123.9	206	Pg	12:02:33.64	0.08
			Sg	02:50.54	-0.27
GZR	151.0	182	Pn	12:02:37.63	0.32
			Sn	02:57.51	0.02
BZS	157.6	217	Sn	12:02:58.68	-0.27

999.

2023-07-29 time: 5:56:49.99 UTC ML= 0.3
 lat: 47.371N lon: 18.175E h= 5.7 km
 erh= 3.6km erz= 2.2km
 nr= 6 gap=221 rms=0.06
 Locality: Nagyveleg
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	6.5	98	Pg	5:56:51.62	0.08
			Sg	56:52.59	-0.16
PKST	16.4	221	PgD	5:56:53.11	0.02
			Sg	56:55.48	-0.02
PKSG	16.5	82	PgU	5:56:53.06	-0.05
			Sg	56:55.56	0.03

1000.

2023-07-30 time: 20:23:24.21 UTC ML= 0.6
 lat: 45.811N lon: 18.001E h= 17.9 km
 erh= 1.2km erz= 0.5km
 nr= 9 gap=165 rms=0.14
 Locality: Hirics
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	21.3	66	Pg	20:23:29.06	-0.12
			Sg	23:33.16	0.10
KOVH	31.8	14	Pg	20:23:30.76	0.04
			Sg	23:35.71	-0.09
PKSM	66.7	48	P*	20:23:36.50	0.08
			S*	23:45.82	-0.13
MORH	67.1	48	P*	20:23:36.73	0.24
			S*	23:45.93	-0.14
BLY	134.3	209	Sn	20:24:02.27	-0.21

1001.

2023-07-31 time: 0:24:15.90 UTC ML= 1.7
 lat: 46.028N lon: 20.492E h= 10.0 km
 erh= 7.7km erz= 4.8km
 nr= 16 gap=154 rms=1.48
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS6	95.6	312	Pg	0:24:33.07	0.01
BZS	98.7	118	Pg	0:24:33.71	0.10
			Sg	24:45.53	-1.90
PKSN	107.8	334	Sn	0:24:48.15	-1.93
PKB3	109.3	294	Pn	0:24:34.53	-0.75
			Sn	24:48.51	-1.89
SURR	130.4	104	Sn	0:24:53.55	-1.53
MORH	144.3	278	Pn	0:24:39.38	-0.27
			Sn	24:57.04	-1.14
PKSM	144.5	278	Pn	0:24:39.56	-0.11
			Sn	24:57.04	-1.17
PKB4	154.6	290	Sn	0:25:01.57	1.12
KOVH	185.2	272	Pn	0:24:47.69	2.94
DRGR	190.6	64	Pn	0:24:48.51	3.09
			Sn	25:08.13	-0.31
GZR	191.4	112	Sn	0:25:09.15	0.52

1002.

2023-07-31 time: 6:26:56.73 UTC ML= 1.6
 lat: 46.953N lon: 22.874E h= 0.0 km
 erh=14.3km erz= 4.8km
 nr= 6 gap=328 rms=0.92
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	21.8	215	Pg	6:27:01.64	1.01
			Sg	27:03.91	0.25
SURR	145.2	203	Sn	6:27:39.40	-2.08
GZR	173.5	182	Pn	6:27:24.99	-0.41
			Sn	27:47.68	-0.08
BZS	177.4	213	Sn	6:27:47.84	-0.77

1003.

2023-07-31 time: 7:34:29.88 UTC ML= 1.6
 lat: 48.103N lon: 21.354E h= 0.0 km
 erh= 4.9km erz= ***km
 nr= 9 gap=171 rms=0.94
 Locality: Tarcál
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	23.1	338	Pg	7:34:34.97	0.96
			Sg	34:37.91	0.68
KECS	77.1	303	Pg	7:34:44.05	0.40
			Sg	34:53.26	-1.12
TRPA	88.3	88	Pg	7:34:46.36	0.71
			Sg	34:57.04	-0.91
PSZ	110.8	259	Sg	7:35:03.58	-1.53
KOLS	114.6	36	Pg	7:34:50.43	0.08
			Sg	35:04.22	-2.10

Hypocenter Parameters

1004.
 2023-07-31 time: 8:13:21.09 UTC ML= 1.4
 lat: 47.849N lon: 16.040E h= 0.0 km
 erh= 2.6km erz= 5.2km
 nr= 8 gap= 93 rms=0.74
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.0	303	Pg	8:13:24.44			0.49
			Sg		13:26.43		0.25
RONA	25.4	131	Pg	8:13:26.40			0.78
			Sg		13:29.45		0.30
ARSA	77.1	210	Sg	8:13:44.63			-0.96
MODS	109.1	58	Sg	8:13:55.12			-0.63
KRUC	137.4	11	Pn	8:13:44.86			-0.40
			Sn		14:01.69		-2.42

1005.

2023-07-31 time: 8:23:01.78 UTC ML= 1.7
 lat: 47.770N lon: 19.947E h= 0.0 km
 erh=18.6km erz= ***km
 nr= 5 gap=223 rms=1.08
 Locality: Gyöngyös
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	17.0	347	Pg	8:23:06.07			1.26
			Sg		23:06.92		-0.25
PENC	49.9	273	Sg	8:23:17.91			0.26
KECS	88.9	27	Sg	8:23:28.40			-1.63
PKSG	124.4	250	Sg	8:23:40.22			-1.10

1006.

2023-07-31 time: 9:52:45.10 UTC ML= 1.7
 lat: 47.617N lon: 16.364E h= 8.1 km
 erh= 1.8km erz= 1.3km
 nr= 16 gap= 94 rms=0.46
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	10.5	331	PgU	9:52:47.27			-0.19
			Sg		52:48.75		-0.55
SOP	16.4	63	Pg	9:52:48.31			-0.05
			Sg		52:50.81		-0.09
ARSA	75.4	237	Pg	9:52:58.57			-0.07
MODS	108.3	39	Pg	9:53:04.76			0.27
			Sg		53:17.87		-1.74
KOGS	130.2	184	Pn	9:53:07.38			0.04
			Sn		53:23.58		-1.11
PKST	132.2	108	Pn	9:53:08.08			0.50
			Sn		53:24.75		-0.36
GROS	144.3	207	Sn	9:53:27.10			-0.70
SOKA	145.2	224	Pn	9:53:09.41			0.20
RCF6	146.0	192	Pn	9:53:10.35			1.05
KRUC	160.7	1	Pn	9:53:11.29			0.16
			Sn		53:31.40		-0.04

1007.

2023-07-31 time: 10:30:47.61 UTC ML= 1.8
 lat: 46.884N lon: 22.299E h= 0.0 km
 erh= 4.2km erz= 3.2km
 nr= 10 gap=268 rms=0.57
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	33.0	108	Pg	10:30:53.00			-0.51
			Sg		30:58.25		0.14

Földrengés paraméterek

DEV 120.5 157 Pg 10:31:09.44 0.31
 Sg 31:25.72 -0.20
 SURR 126.3 186 Pg 10:31:10.14 -0.02
 Sg 31:27.05 -0.70
 BZS 150.3 200 Pn 10:31:13.31 -0.08
 Sn 31:32.96 -0.54
 GZR 169.7 167 Pn 10:31:17.62 1.81
 Sn 31:38.51 0.71

1008.

2023-07-31 time: 11:25:52.51 UTC ML= 2.2
 lat: 48.493N lon: 22.785E h= 0.0 km
 erh= 2.7km erz= 2.6km
 nr= 14 gap=152 rms=0.89
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TRPA	44.3	204	Pg	11:26:02.56			2.14
			Sg		26:06.36		-0.24
KOLS	61.7	322	Pg	11:26:04.51			0.98
			Sg		26:12.31		0.18
BMR	105.6	150	Pg	11:26:11.94			0.58
			Sg		26:24.87		-1.19
ABAH	116.5	259	Pg	11:26:13.28			-0.04
			Sg		26:29.50		-0.06
KWP	126.7	357	Sg	11:26:31.55			-1.22
STHS	152.6	312	Sn	11:26:37.90			-1.00
KECS	170.0	270	Sn	11:26:41.81			-0.95
DRGR	189.3	182	Pn	11:26:22.99			-0.16
			Sn		26:46.56		-0.48
PSZ	224.2	253	Sn	11:26:53.99			-0.79

1009.

2023-07-31 time: 23:55:32.74 UTC ML= 1.7
 lat: 45.616N lon: 16.053E h= 10.0 km
 erh= 2.6km erz= 1.6km
 nr= 22 gap=159 rms=0.75
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	24.1	349	Pg	23:55:37.44			0.04
			Sg		55:42.35		1.32
R971	24.9	352	Pg	23:55:37.36			-0.16
PTJ	32.4	347	Pg	23:55:38.42			-0.37
			Sg		55:42.86		-0.66
CRES	52.0	297	Pg	23:55:42.06			-0.13
			Sg		55:49.54		-0.02
R93E	69.4	111	Pg	23:55:44.54			-0.73
KOGS	93.7	9	Pg	23:55:49.77			0.20
			Sg		56:02.36		-0.34
GROS	103.1	336	P*	23:55:50.89			-0.35
			S*		56:04.03		-1.64
BEHE	110.1	30	Pn	23:55:53.08			0.85
			Sn		56:07.18		-0.25
BLY	131.1	137	Pn	23:55:54.93			0.09
			Sn		56:10.83		-1.25
PERS	134.5	327	Sn	23:56:12.51			-0.32
SOKA	141.9	326	Sn	23:56:13.97			-0.52
OBKA	153.0	310	Pn	23:55:59.49			1.92
			Sn		56:18.57		1.63
PKSV	173.7	80	Pn	23:56:01.98			1.82
			Sn		56:21.96		0.41

1010.

2023-07-31 time: 23:58:37.35 UTC ML= 1.5
 lat: 45.612N lon: 16.059E h= 10.0 km
 erh= 2.2km erz= 2.0km
 nr= 10 gap=159 rms=0.34
 Locality: Croatia
 Comments:

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ZAG	24.6	348	PgU	23:58:42.31	0.22
			Sg	58:46.14	0.35
PTJ	32.9	346	Pg	23:58:43.40	-0.09
			Sg	58:47.71	-0.57
CRES	52.6	297	Pg	23:58:46.61	-0.30
			Sg	58:54.60	0.24
R93E	68.9	110	Pg	23:58:49.55	-0.23
GROS	103.7	335	P*	23:58:56.32	0.38
			S*	59:09.24	-1.20
BLY	130.5	137	Pn	23:58:59.61	0.23

1011.

2023-08-01 time: 5:31:00.40 UTC ML= 1.5
lat: 46.764N lon: 22.792E h= 0.0 km
erh= 6.2km erz= 4.9km
nr= 6 gap=244 rms=0.41
Locality: Romania
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	6.9	296	PgU	5:31:01.22	-0.42
			Sg	31:03.23	0.63
SURR	123.5	205	Pg	5:31:22.64	0.18
			Sg	31:38.92	-0.75
GZR	152.4	180	Pn	5:31:26.63	0.19
			Sn	31:46.98	0.24

1012.

2023-08-01 time: 6:54:07.88 UTC ML= 2.0
lat: 47.888N lon: 20.112E h= 0.0 km
erh= 2.8km erz= 2.3km
nr= 21 gap= 89 rms=0.98
Locality: Tarnaszentmária
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	16.6	282	PgU	6:54:10.97	0.13
			Sg	54:12.94	-0.22
PENC	63.1	260	Pg	6:54:19.55	0.41
			Sg	54:27.11	-0.82
KECS	71.8	23	Pg	6:54:21.62	0.92
			Sg	54:30.70	-0.01
ABAH	95.5	62	Pg	6:54:25.53	0.60
			Sg	54:36.93	-1.30
PKSG	140.6	247	Sn	6:54:48.99	-2.61
LANS	148.3	341	Pn	6:54:34.06	0.66
			Sn	54:52.69	-0.62
NIE	170.9	5	Sn	6:54:57.67	-0.66
PKST	171.2	246	Sn	6:54:56.75	-1.65
TRPA	183.1	82	Sn	6:54:59.40	-1.64
STHS	189.4	26	Sn	6:55:03.10	0.67
KOLS	197.8	54	Sn	6:55:02.45	-1.84
JAVC	210.7	301	Sn	6:55:11.45	4.29*
MORH	216.8	211	Sn	6:55:10.53	2.03
PKSM	217.2	211	Sn	6:55:10.94	2.33
DRGR	231.2	122	Pn	6:54:44.09	0.36
			Sn	55:11.65	-0.05

1013.

2023-08-01 time: 8:06:24.29 UTC ML= 1.4
lat: 48.602N lon: 20.767E h= 0.0 km
erh= 1.9km erz= 3.7km
nr= 5 gap=154 rms=0.32
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	238	Pg	8:06:29.09	0.41
			Sg	06:31.95	-0.16
ABAH	48.8	134	Sg	8:06:39.85	0.06

NIE	96.8	340	Pg	8:06:41.61	0.04
PENC	142.6	231	Pn	8:06:48.58	-0.52

1014.

2023-08-01 time: 9:17:54.89 UTC ML= 1.8
lat: 48.428N lon: 17.222E h= 0.0 km
erh= 1.5km erz= 3.3km
nr= 17 gap= 88 rms=0.67
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.3	146	PgU	9:17:56.32	0.12
			Sg	17:57.60	0.38
SMOL	18.0	58	Pg	9:17:58.19	0.08
			Sg	18:00.86	0.25
JAVC	58.2	35	Pg	9:18:05.86	0.57
			Sg	18:12.20	-1.19
KRUC	93.1	319	Pg	9:18:11.42	-0.09
			Sg	18:24.10	-0.37
RONA	106.4	220	Pg	9:18:14.08	0.18
			Sg	18:27.54	-1.18
VRAC	108.2	335	Pg	9:18:14.94	0.73
			Sg	18:28.55	-0.73
CONA	115.4	241	Pg	9:18:16.41	0.90
			Sg	18:30.83	-0.76
PKST	143.5	155	Sn	9:18:37.41	-1.86
MORC	151.8	9	Sn	9:18:38.49	-2.61
ARSA	182.5	224	Sn	9:18:47.77	-0.16

1015.

2023-08-01 time: 10:12:51.88 UTC ML= 1.6
lat: 46.297N lon: 22.945E h= 0.0 km
erh= 4.4km erz= 9.7km
nr= 8 gap=196 rms=0.87
Locality: Romania
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	57.8	342	Pg	10:13:01.77	-0.43
			Sg	13:08.66	-1.58
SURR	87.6	226	Sg	10:13:20.45	0.72
GZR	101.3	187	Pg	10:13:10.69	0.72
			Sg	13:22.90	-1.18
BZS	127.8	234	Pg	10:13:14.60	-0.09
			Sg	13:32.51	0.02
TRPA	206.1	351	Pn	10:13:26.32	1.71

1016.

2023-08-02 time: 4:01:54.37 UTC ML= 1.2
lat: 46.091N lon: 21.683E h= 10.0 km
erh= 5.0km erz= 4.0km
nr= 7 gap=220 rms=0.55
Locality: Romania
Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	50.8	138	Pg	4:02:03.82	0.20
			Sg	02:10.85	0.03
BZS	53.0	186	PgU	4:02:03.72	-0.28
			Sg	02:11.11	-0.40
DRGR	111.0	45	Pn	4:02:14.68	0.71
			Sn	02:27.36	-1.89
GZR	115.2	132	Sn	4:02:30.18	0.00

Hypocenter Parameters

Földregés paraméterek

1017.

2023-08-02 time: 9:18:12.38 UTC ML= 1.3
 lat: 48.601N lon: 20.757E h= 0.0 km
 erh= 2.9km erz= 914km
 nr= 9 gap=145 rms=0.69
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.0	237	Pg	9:18:17.06	0.40
			Sg	18:20.43	0.43
ABAH	49.2	134	Pg	9:18:21.60	0.43
			Sg	18:28.09	0.06
STHS	97.4	21	Pg	9:18:30.20	0.43
			Sg	18:42.37	-0.97
PSZ	99.4	220	Pg	9:18:30.13	0.01
			Sg	18:42.72	-1.24
KOLS	117.4	72	Sg	9:18:47.18	-2.50

1018.

2023-08-02 time: 9:59:55.90 UTC ML= 1.4
 lat: 48.085N lon: 16.976E h= 0.0 km
 erh= 3.3km erz= 958km
 nr= 6 gap=125 rms=0.56
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	39.1	35	Pg	10:00:03.62	0.75
			Sg	00:07.14	-1.18
RONA	66.5	230	Sg	10:00:17.24	0.20
EGYH	79.0	160	Sg	10:00:20.88	-0.11
CONA	85.0	258	Sg	10:00:22.56	-0.34
KRUC	116.7	338	Pg	10:00:16.60	-0.14

1019.

2023-08-02 time: 11:13:39.41 UTC ML= 1.7
 lat: 48.972N lon: 21.279E h= 0.0 km
 erh= 2.3km erz= 3.5km
 nr= 12 gap= 78 rms=0.78
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	49.5	357	Pg	11:13:50.73	2.47
			Sg	13:55.43	0.28
KOLS	72.9	93	Pg	11:13:52.58	0.14
			Sg	11:14:04.32	0.99
ABAH	75.2	182	Pg	11:13:53.99	0.33
			Sg	14:03.54	-1.23
NIE	86.2	305	Pg	11:13:54.77	-0.03
			Sg	14:06.51	-0.29
KWP	127.2	55	Pg	11:14:01.81	-0.31
TRPA	132.0	135	Pn	11:14:02.68	-0.22
PSZ	155.6	221	Pn	11:14:05.34	-0.51
OJC	175.2	322	Sn	11:14:29.68	-1.15

1020.

2023-08-03 time: 0:34:25.51 UTC ML= 1.8
 lat: 46.449N lon: 16.288E h= 13.1 km
 erh= 2.4km erz= 1.2km
 nr= 9 gap=137 rms=0.41
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	2.9	269	Pg	0:34:27.97	0.07
			Sg	34:29.46	-0.31
RCF6	28.4	243	Sg	0:34:35.46	0.02
BEHE	37.5	86	Sg	0:34:37.78	-0.35

PERS	92.3	283	P*	0:34:42.93	0.85
			S*	34:54.88	-0.11
CRES	94.4	223	S*	0:34:55.52	-0.06
SOKA	99.6	285	S*	0:34:56.40	-0.58
ARSA	106.6	327	Sn	0:34:58.53	-0.19

1021.

2023-08-03 time: 6:40:52.09 UTC ML= 1.7
 lat: 47.705N lon: 18.552E h= 0.0 km
 erh= 2.1km erz= 3.0km
 nr= 22 gap=129 rms=1.12
 Locality: Bajót
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	21.6	304	PgU	6:40:56.92	0.97
			Sg	40:58.50	-0.46
PKSG	36.9	199	Pg	6:40:59.95	1.27
			Sg	41:03.76	-0.05
BUD	43.1	125	Sg	6:41:05.58	-0.23
CSKK	43.9	210	Pg	6:41:00.81	0.88
			Sg	41:06.06	0.01
PENC	55.5	80	Sg	6:41:09.41	-0.33
PKST	63.1	218	Pg	6:41:04.22	0.86
			Sg	41:10.65	-1.50
MPLH	96.8	232	Sg	6:41:21.78	-1.09
EGYH	97.3	251	Pg	6:41:10.48	1.01
TIH	102.4	209	Sg	6:41:23.63	-1.03
PSZ	103.3	77	Pg	6:41:10.65	0.11
PKB1	103.9	170	Pg	6:41:12.49	1.84
			Sg	41:28.17	-2.30
MODS	120.7	308	Pg	6:41:13.63	-0.02
			Sg	41:28.17	-2.30
MORH	165.7	178	Pn	6:41:19.17	-0.62
			Sn	41:38.65	-2.74
PKSM	166.1	178	Pn	6:41:19.67	-0.17
			Sn	41:38.97	-2.51
RONA	169.3	270	Sn	6:41:40.34	-1.86

1022.

2023-08-03 time: 8:06:09.39 UTC ML= 1.5
 lat: 46.760N lon: 22.827E h= 0.0 km
 erh= 3.5km erz= 2.4km
 nr= 7 gap=250 rms=0.36
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	9.6	291	Pg	8:06:10.84	-0.26
			Sg	06:13.03	0.60
SURR	124.3	206	Pg	8:06:31.42	-0.17
			Sg	06:48.56	-0.34
GZR	152.0	181	Pn	8:06:35.88	0.50
			Sn	06:55.76	0.12
TIM	168.2	227	Sn	8:06:58.89	-0.36

1023.

2023-08-03 time: 8:18:46.76 UTC ML= 1.7
 lat: 48.320N lon: 19.799E h= 0.0 km
 erh= 3.3km erz= 6.5km
 nr= 11 gap=133 rms=0.94
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	45.2	171	Pg	8:18:55.41	0.58
			Sg	19:01.43	0.30
KECS	54.0	70	Pg	8:18:56.31	-0.08
			Sg	19:03.66	-0.25
LANS	95.5	345	Pg	8:19:05.23	1.41
			Sg	19:15.83	-1.29
ABAH	106.9	91	Sg	8:19:20.05	-0.67
BUD	109.6	212	Sg	8:19:20.18	-1.41

Földrengés paraméterek

NIE 127.9 17 Pg 8:19:10.43 0.84
 Sg 19:25.53 -1.88
 PKSN 158.3 178 Sn 8:19:33.87 -0.54

1024.

2023-08-03 time: 9:21:39.44 UTC ML= 0.9
 lat: 47.232N lon: 18.249E h= 0.0 km
 erh= 3.3km erz= 417km
 nr= 6 gap=249 rms=0.25
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.6	4	Pg	9:21:42.42	0.37
			Sg	21:44.34	0.25
PKST	16.5	280	Pg	9:21:42.36	-0.03
			Sg	21:44.38	-0.31
PKSG	20.8	31	Pg	9:21:43.03	-0.12
			Sg	21:45.69	-0.35

1025.

2023-08-03 time: 9:24:21.75 UTC ML= 1.5
 lat: 47.325N lon: 18.451E h= 0.0 km
 erh= 1.9km erz= 4.4km
 nr= 13 gap=114 rms=0.62
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.7	329	Pg	9:24:23.33	0.02
			Sg	24:23.69	-0.83
CSKK	15.0	286	Pg	9:24:24.78	0.35
			Sg	24:25.96	-0.56
PKST	32.3	257	Pg	9:24:28.07	0.54
			Sg	24:31.16	-0.87
MORH	124.2	173	Pg	9:24:44.46	0.53
			Sg	25:00.27	-0.96
PKSM	124.6	173	Pg	9:24:44.46	0.46
			Sg	25:00.20	-1.16
PSZ	127.0	59	Pg	9:24:45.01	0.58
			Sg	25:00.98	-1.14
KOVH	140.1	191	Sn	9:25:05.52	0.16

1026.

2023-08-03 time: 9:32:43.41 UTC ML= 0.7
 lat: 47.940N lon: 16.059E h= 0.0 km
 erh= 4.1km erz= ***km
 nr= 6 gap=119 rms=0.71
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.8	265	Pg	9:32:46.00	-0.05
			Sg	32:48.58	0.47
RONA	32.1	146	Pg	9:32:48.86	-0.29
			Sg	32:53.74	0.12
MODS	102.7	62	Sg	9:33:17.31	1.26
KRUC	127.2	11	Sg	9:33:21.94	-1.90

1027.

2023-08-03 time: 9:43:31.06 UTC ML= 0.9
 lat: 47.967N lon: 16.084E h= 0.0 km
 erh= 1.3km erz= 363km
 nr= 6 gap=141 rms=0.21
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.2	256	Pg	9:43:34.04	-0.09
			Sg	43:36.53	0.00

Hypocenter Parameters

RONA 33.7 152 Pg 9:43:37.04 -0.04
 Sg 43:41.79 0.02
 KRUC 123.9 11 Pg 9:43:53.53 0.34
 Sg 44:09.93 -0.52

1028.

2023-08-03 time: 10:31:15.73 UTC ML= 1.5
 lat: 48.436N lon: 17.271E h= 0.0 km
 erh= 2.1km erz= 710km
 nr= 11 gap=123 rms=0.57
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.9	176	PgU	10:31:17.15	0.18
			Sg	31:17.77	-0.16
SMOL	14.5	53	Pg	10:31:18.65	0.33
			Sg	31:20.38	0.03
JAVC	55.5	32	Pg	10:31:25.72	0.07
			Sg	31:31.94	-1.44
KRUC	94.9	317	Pg	10:31:33.11	0.44
			Sg	31:44.15	-1.73
VRAC	109.0	333	Pg	10:31:35.36	0.16
RONA	109.4	222	Pg	10:31:35.64	0.36
			Sg	31:49.33	-1.19

1029.

2023-08-03 time: 10:51:23.43 UTC ML= 1.4
 lat: 48.862N lon: 20.692E h= 0.0 km
 erh= 9.4km erz= ***km
 nr= 6 gap=218 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	44.7	200	Pg	10:51:31.93	0.51
			Sg	51:37.80	0.15
ABAH	74.8	147	Sg	10:51:46.68	-0.51
LANS	95.1	290	Sg	10:51:52.68	-0.99
PSZ	120.4	209	Pg	10:51:45.86	0.94
			Sg	51:59.84	-1.85

1030.

2023-08-03 time: 11:08:03.03 UTC ML= 1.2
 lat: 46.780N lon: 22.870E h= 0.0 km
 erh= 2.1km erz= 1.8km
 nr= 6 gap=267 rms=0.54
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	12.2	276	Pg	11:08:04.98	-0.23
			Sg	08:06.89	-0.02
SURR	127.7	207	Sg	11:08:42.39	-1.23
GZR	154.3	183	Pn	11:08:29.64	0.34
			Sn	08:50.03	0.23
BZS	161.5	217	Sn	11:08:52.40	1.01

1031.

2023-08-03 time: 14:47:18.97 UTC ML= 1.5
 lat: 45.948N lon: 22.639E h= 0.0 km
 erh= 2.5km erz= 803km
 nr= 8 gap=118 rms=0.58
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	21.7	109	Pg	14:47:23.00	0.15
			Sg	47:25.82	-0.06
SURR	45.4	242	Sg	14:47:34.43	1.04

Hypocenter Parameters

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GZR 62.6 170 Pg 14:47:30.52 0.38
 Sg 47:38.66 -0.20
 BZS 87.6 245 Pg 14:47:33.65 -0.96
 DRGR 93.9 3 Pg 14:47:36.15 0.41
 Sg 47:48.05 -0.78

1032.

2023-08-03 time: 14:49:44.58 UTC ML= 1.7
 lat: 45.933N lon: 22.625E h= 0.0 km
 erh= 3.6km erz= ***km
 nr= 7 gap=121 rms=0.71
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	22.3	104	Pg	14:49:48.74	0.18
			Sg	49:51.03	-0.63
SURR	43.7	243	Sg	14:49:57.33	-1.14
GZR	61.2	169	Pg	14:49:56.21	0.70
			Sg	50:03.88	-0.15
DRGR	95.6	4	Pg	14:50:02.28	0.63
			Sg	50:13.63	-1.34

1033.

2023-08-03 time: 14:50:14.43 UTC ML= 1.5
 lat: 45.938N lon: 22.649E h= 0.0 km
 erh= 4.2km erz= ***km
 nr= 10 gap=117 rms=1.14
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.7	107	Pg	14:50:18.16	0.04
			Sg	50:20.44	-0.55
SURR	45.6	243	Pg	14:50:23.17	0.60
			Sg	50:28.45	-0.47
GZR	61.4	171	Pg	14:50:26.11	0.72
			Sg	50:33.04	-0.89
BZS	87.9	246	Pg	14:50:30.08	-0.04
			Sg	50:39.41	-2.95
DRGR	95.0	3	Pg	14:50:33.04	1.65
			Sg	50:42.08	-2.54

1034.

2023-08-04 time: 7:04:49.95 UTC ML= 1.8
 lat: 47.933N lon: 19.377E h= 0.0 km
 erh= 3.7km erz= 3.7km
 nr= 20 gap=112 rms=0.89
 Locality: Becske
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.4	204	Pg	7:04:53.48	0.42
			Sg	04:55.09	-0.39
PSZ	38.7	92	Pg	7:04:57.73	0.87
			Sg	05:01.45	-0.80
PKSG	95.5	231	Pg	7:05:07.18	0.18
			Sg	05:18.80	-1.50
KECS	102.6	53	Pg	7:05:08.79	0.51
			Sg	05:21.46	-1.11
CSKK	105.1	233	Pg	7:05:09.41	0.68
			Sg	05:22.40	-0.97
PKST	125.8	233	Pg	7:05:12.11	-0.30
			Sg	05:28.27	-1.66
LANS	135.6	3	Sn	7:05:30.78	-1.78
ABAH	144.4	74	Pn	7:05:15.20	0.21
			Sn	05:31.69	-2.84
MPLH	162.3	238	Pn	7:05:18.96	1.74
JAVC	163.0	309	Sn	7:05:38.99	0.33
MODS	163.8	287	Sn	7:05:38.53	-0.29
EGYH	164.0	250	Sn	7:05:39.31	0.44
NIE	179.0	23	Sn	7:05:42.91	0.70

1035.

2023-08-04 time: 7:31:46.77 UTC ML= 1.9
 lat: 48.212N lon: 18.785E h= 0.0 km
 erh= 2.2km erz= 3.3km
 nr= 23 gap= 86 rms=1.09
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	56.6	218	Sg	7:32:04.22	-0.55
PENC	59.8	142	Sg	7:32:06.10	0.32
PSZ	89.0	112	Pg	7:32:03.28	0.62
			Sg	32:14.32	-0.73
PKSG	95.9	198	Sg	7:32:16.12	-1.13
CSKK	102.3	203	Sg	7:32:18.82	-0.46
SMOL	105.9	288	Pg	7:32:06.67	0.98
			Sg	32:18.80	-1.64
JAVC	109.3	311	Pg	7:32:06.99	0.70
			Sg	32:20.45	-1.06
MODS	113.3	279	Pg	7:32:07.43	0.43
			Sg	32:22.01	-0.77
LANS	115.8	26	Pg	7:32:06.83	-0.63
			Sg	32:22.34	-1.25
PKST	120.0	208	Pg	7:32:09.65	1.45
			Sg	32:23.28	-1.64
EGYH	140.2	231	Sn	7:32:29.54	-0.87
MPLH	148.9	219	Pn	7:32:14.04	1.67
			Sn	32:30.63	-1.71
RONA	194.4	253	Sn	7:32:42.77	0.33
MORC	196.3	332	Pn	7:32:21.09	2.81
			Sn	32:41.50	-1.36
CONA	220.1	262	Sn	7:32:47.95	-0.20

1036.

2023-08-04 time: 9:16:13.79 UTC ML= 1.1
 lat: 47.837N lon: 16.001E h= 0.0 km
 erh= 3.1km erz= 5.5km
 nr= 8 gap=105 rms=0.97
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.5	314	Pg	9:16:17.15	0.77
			Sg	16:19.73	1.32
RONA	26.9	125	Pg	9:16:19.05	0.45
			Sg	16:22.87	0.52
ARSA	74.5	209	Sg	9:16:36.50	-0.96
MODS	112.2	58	Sg	9:16:48.54	-0.93
KRUC	139.3	12	Pn	9:16:37.75	-0.44
			Sn	16:54.34	-2.88

1037.

2023-08-04 time: 10:21:47.11 UTC ML= 1.6
 lat: 45.595N lon: 17.584E h= 0.0 km
 erh= 9.4km erz= 758km
 nr= 8 gap=338 rms=0.55
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	61.4	58	Pg	10:21:58.72	0.64
			Sg	22:07.80	1.17
KOVH	67.9	36	Pg	10:21:59.33	0.09
			Sg	22:08.96	0.26
PKSM	106.9	50	Pg	10:22:05.52	-0.69
			Sg	22:20.63	-0.47
MORH	107.4	50	Pg	10:22:06.14	-0.15
			Sg	22:20.63	-0.62

Földrengés paraméterek

Hypocenter Parameters

1038.

2023-08-04 time: 11:09:53.80 UTC ML= 1.8
 lat: 48.559N lon: 20.888E h= 0.0 km
 erh= 8.8km erz= ***km
 nr= 6 gap=196 rms=0.98
 Locality: Tornaszentjakab
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	30.9	254	Pg	11:09:59.67			0.35
			Sg		10:03.32		-0.30
ABAH	39.2	138	Sg	11:10:05.51			-0.74
PSZ	102.6	226	Pg	11:10:13.44			1.32
			Sg		10:24.00		-2.40
LANS	123.2	302	Pg	11:10:15.52			-0.29

1039.

2023-08-05 time: 12:18:03.64 UTC ML= 0.4
 lat: 47.752N lon: 16.164E h= 13.3 km
 erh= 1.9km erz= 1.4km
 nr= 7 gap=101 rms=0.31
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	11.5	120	Pg	12:18:07.03			0.25
			Sg		18:08.87		-0.36
CONA	30.0	311	Pg	12:18:09.81			0.31
			Sg		18:13.57		-0.50
ARSA	73.8	221	Sg	12:18:27.15			-0.32
SMOL	126.6	48	Sn	12:18:41.43			0.19
KRUC	146.7	7	Sn	12:18:45.47			-0.21

1040.

2023-08-06 time: 1:36:37.32 UTC ML= 1.5
 lat: 48.595N lon: 22.847E h= 10.0 km
 erh= 1.6km erz= 1.1km
 nr= 7 gap=203 rms=0.18
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	56.5	204	Pg	1:36:47.49			-0.07
			Sg		36:55.70		0.15
KOLS	56.5	312	Pg	1:36:47.41			-0.16
			Sg		36:56.17		0.61
BMR	113.4	155	Pn	1:36:57.36			0.15
ABAH	123.5	254	Pn	1:36:58.46			-0.01
			Sn		37:14.73		-0.24

1041.

2023-08-06 time: 15:11:24.74 UTC ML= 1.9
 lat: 45.589N lon: 16.088E h= 10.0 km
 erh= 2.6km erz= 2.0km
 nr= 12 gap=228 rms=0.44
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	27.6	345	Pg	15:11:30.17			0.18
			Sg		11:34.44		0.36
PTJ	36.0	344	Pg	15:11:31.31			-0.10
			Sg		11:36.30		-0.31
CRES	55.8	298	Pg	15:11:34.81			-0.05
			Sg		11:42.22		-0.53
RCF6	83.3	353	Sg	15:11:51.65			0.24
KOGS	96.3	7	Pg	15:11:42.44			0.42
			Sg		11:55.43		-0.08
GROS	107.0	335	S*	15:11:57.50			-1.22
SOKA	146.0	326	Sn	15:12:08.61			1.23

KOVH 165.8 70 Sn 15:12:11.02 -0.77

1042.

2023-08-06 time: 21:01:13.44 UTC ML= 1.6
 lat: 47.383N lon: 18.270E h= 6.1 km
 erh= 7.8km erz= 1.8km
 nr= 6 gap=233 rms=0.27
 Locality: Csókakő
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	2.4	198	Pg	21:01:14.45			-0.16
			Sg		01:15.04		-0.48
PKSG	9.1	84	Pg	21:01:15.67			0.27
			Sg		01:17.29		0.36
PBUD	56.7	81	Pg	21:01:23.37			-0.26
TIH	60.9	208	Pg	21:01:24.57			0.20

1043.

2023-08-07 time: 8:59:17.00 UTC ML= 1.5
 lat: 48.575N lon: 20.797E h= 0.0 km
 erh= 3.0km erz= 7.5km
 nr= 10 gap=133 rms=0.95
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.1	246	Pg	8:59:21.67			0.18
			Sg		59:24.67		-0.32
ABAH	45.1	133	Pg	8:59:26.24			1.18
			Sg		59:31.44		0.10
PSZ	99.1	223	Pg	8:59:35.20			0.50
			Sg		59:46.86		-1.64
STHS	99.2	19	Pg	8:59:35.39			0.68
			Sg		59:47.09		-1.43
KOLS	115.6	70	Sg	8:59:52.93			-0.83
TRPA	138.3	111	Sn	8:59:58.01			-2.20

1044.

2023-08-08 time: 1:10:32.95 UTC ML= 0.6
 lat: 47.761N lon: 16.147E h= 11.8 km
 erh= 1.5km erz= 1.3km
 nr= 13 gap= 98 rms=0.40
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	13.1	121	Pg	1:10:36.41			0.31
			Sg		10:38.27		-0.29
CONA	28.3	311	Pg	1:10:38.70			0.27
			Sg		10:42.82		0.12
SOP	32.0	106	Pg	1:10:39.26			0.21
			Sg		10:43.28		-0.52
WINA	38.9	352	Pg	1:10:40.40			0.20
			Sg		10:45.11		-0.75
ARSA	73.7	220	Sg	1:10:56.05			-0.63
ABNA	114.2	332	Pn	1:10:52.73			0.02
			Sn		11:06.75		-1.38
KRUC	145.8	7	Pn	1:10:57.09			0.44
			Sn		11:14.88		-0.26

1045.

2023-08-08 time: 5:50:29.59 UTC ML= 1.4
 lat: 46.752N lon: 22.731E h= 0.0 km
 erh= 5.3km erz= 3.5km
 nr= 6 gap=197 rms=0.55
 Locality: Romania
 Comments: probably explosion

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
DRGR	4.7	341	Pg	5:50:29.89	-0.53
			Sg	50:31.39	0.32
SURR	120.4	203	Sg	5:51:07.23	-0.61
GZR	151.0	179	Pn	5:50:55.86	0.41
			Sn	51:15.60	-0.03
BZS	152.7	214	Sn	5:51:17.18	1.18

1046.

2023-08-08 time: 5:53:55.65 UTC ML= 1.4
 lat: 47.279N lon: 18.322E h= 0.0 km
 erh= 2.1km erz= 3.9km
 nr= 9 gap=146 rms=0.53
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.4	334	Pg	5:53:57.80	0.29
			Sg	53:58.55	-0.40
PKSG	13.5	23	Pg	5:53:58.20	0.13
			Sg	53:59.29	-0.66
MPLH	60.5	258	Sg	5:54:14.63	-0.24
MORH	120.8	168	Sg	5:54:33.45	-0.60
PKSM	121.2	168	Pg	5:54:18.35	1.06
			Sg	54:34.04	-0.13
KOVH	133.5	187	Sn	5:54:37.21	-0.59

1047.

2023-08-08 time: 6:46:59.50 UTC ML= 1.3
 lat: 48.530N lon: 17.430E h= 0.0 km
 erh= 2.3km erz= 614km
 nr= 9 gap=158 rms=0.48
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	1.8	184	PgU	6:46:59.25	-0.57
			Sg	46:59.64	-0.43
MODS	20.7	213	Pg	6:47:02.96	-0.24
			Sg	47:06.24	0.15
JAVC	40.7	26	Pg	6:47:06.98	0.21
			Sg	47:12.11	-0.33
KRUC	96.4	308	Pg	6:47:17.40	0.69
			Sg	47:29.44	-0.69
RONA	125.1	222	Pg	6:47:22.42	0.58

1048.

2023-08-08 time: 8:22:00.04 UTC ML= 1.4
 lat: 48.579N lon: 20.775E h= 0.0 km
 erh= 2.8km erz= 8.7km
 nr= 11 gap= 91 rms=1.10
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.9	243	Pg	8:22:04.90	0.60
			Sg	22:07.57	-0.06
ABAH	46.6	133	Pg	8:22:09.06	0.70
			Sg	22:15.27	0.41
PSZ	98.4	222	Pg	8:22:18.58	0.98
			Sg	22:29.50	-1.81
STHS	99.2	20	Pg	8:22:18.42	0.66
			Sg	22:30.13	-1.45
LANS	115.0	304	Pg	8:22:20.70	0.12
			Sg	22:34.61	-1.99
TRPA	140.0	111	Sn	8:22:40.27	-3.35

Földrengés paraméterek

1049.

2023-08-08 time: 8:47:50.03 UTC ML= 1.2
 lat: 47.866N lon: 16.049E h= 0.0 km
 erh= 2.2km erz= 4.8km
 nr= 8 gap= 86 rms=0.58
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.7	296	Pg	8:47:53.21	0.38
			Sg	47:55.26	0.25
RONA	26.1	135	Pg	8:47:55.18	0.48
			Sg	47:58.57	0.23
ARSA	79.1	210	Sg	8:48:14.21	-0.95
MODS	107.5	58	Sg	8:48:23.86	-0.33
KRUC	135.4	11	Pn	8:48:13.65	-0.30
			Sn	48:29.76	-2.85

1050.

2023-08-08 time: 9:58:10.49 UTC ML= 1.2
 lat: 47.978N lon: 16.085E h= 0.0 km
 erh= 2.2km erz= 3.8km
 nr= 8 gap=139 rms=0.46
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.6	252	Pg	9:58:13.87	0.24
			Sg	58:15.48	-0.60
RONA	34.7	153	Pg	9:58:16.90	0.21
			Sg	58:20.93	-0.59
KRUC	122.7	11	Pg	9:58:32.81	0.40
			Sg	58:48.84	-0.66
VRAC	152.7	14	Pn	9:58:36.96	0.40
			Sn	58:56.06	-0.83

1051.

2023-08-08 time: 10:17:27.07 UTC ML= 1.3
 lat: 48.382N lon: 19.894E h= 0.0 km
 erh= 3.8km erz= ***km
 nr= 7 gap=125 rms=0.74
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.2	76	Pg	10:17:36.22	1.08
			Sg	17:40.92	-0.52
PSZ	51.5	180	Pg	10:17:36.66	0.39
			Sg	17:42.68	-0.77
PENC	80.0	215	Pg	10:17:41.49	0.13
LANS	91.0	340	Sg	10:17:55.40	-0.60
ABAH	100.2	95	Sg	10:17:57.52	-1.40

1052.

2023-08-08 time: 10:21:33.21 UTC ML= 1.5
 lat: 48.588N lon: 20.337E h= 0.0 km
 erh= 6.9km erz= 874km
 nr= 6 gap=272 rms=0.52
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	16.0	137	Pg	10:21:36.60	0.53
			Sg	21:38.60	0.30
ABAH	74.3	116	Pg	10:21:46.34	-0.13
			Sg	21:55.27	-1.55
PSZ	81.4	204	Pg	10:21:47.88	0.14
			Sg	21:58.61	-0.47

Földrengés paraméterek

Hypocenter Parameters

1053.

2023-08-08 time: 10:38:43.25 UTC ML= 1.5
 lat: 48.955N lon: 19.792E h= 0.0 km
 erh= 2.6km erz= 6.0km
 nr= 9 gap=123 rms=0.66
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	32.2	313	Pg	10:38:48.98	-0.02
			Sg	38:52.44	-1.03
NIE	64.1	36	Pg	10:38:55.21	0.51
			Sg	39:03.54	-0.09
KECS	73.2	136	Sg	10:39:06.53	0.01
PSZ	115.5	176	Pg	10:39:04.70	0.82
			Sg	39:18.48	-1.49
ABAH	129.5	124	Sg	10:39:23.72	-0.68
MORC	187.2	299	Sn	10:39:37.63	0.30

1054.

2023-08-08 time: 11:10:37.51 UTC ML= 1.5
 lat: 46.737N lon: 22.750E h= 0.0 km
 erh= 5.8km erz= 3.4km
 nr= 7 gap=205 rms=0.53
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	6.8	334	Pg	11:10:38.15	-0.57
			Sg	10:40.21	0.55
SURR	119.5	204	Pg	11:10:58.92	0.08
			Sg	11:14.39	-1.09
GZR	149.4	179	Pn	11:11:03.65	0.48
			Sn	11:23.31	0.13
BZS	152.2	215	Sn	11:11:24.34	0.52

1055.

2023-08-08 time: 11:11:22.49 UTC ML= 0.9
 lat: 47.962N lon: 16.060E h= 0.0 km
 erh= 2.1km erz= 663km
 nr= 7 gap=116 rms=0.45
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.3	256	Pg	11:11:25.40	0.18
			Sg	11:27.22	-0.14
RONA	34.1	149	Pg	11:11:28.44	-0.14
			Sg	11:32.94	-0.39
MODS	101.4	63	Sg	11:11:55.56	0.83
KRUC	124.8	11	Pg	11:11:44.90	0.13
			Sg	12:00.49	-1.66

1056.

2023-08-08 time: 11:11:59.26 UTC ML= 1.1
 lat: 47.888N lon: 16.079E h= 0.0 km
 erh= 1.2km erz= 1.9km
 nr= 7 gap=132 rms=0.90
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.8	286	Pg	11:12:02.92	0.65
			Sg	12:05.36	0.75
RONA	26.5	142	Pg	11:12:04.61	0.62
			Sg	12:08.28	0.59
ARSA	82.3	211	Sg	11:12:24.15	-1.26
KRUC	132.6	10	Pn	11:12:22.26	-0.57
			Sn	12:39.15	-2.06

1057.

2023-08-08 time: 11:12:07.18 UTC ML= 1.7
 lat: 46.327N lon: 22.903E h= 0.0 km
 erh= 5.0km erz= 820km
 nr= 6 gap=201 rms=0.47
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	53.7	344	Pg	11:12:16.66	-0.11
			Sg	12:24.67	0.41
GZR	104.2	185	Pg	11:12:25.99	0.20
			Sg	12:40.52	0.22
BZS	127.2	232	Pg	11:12:28.99	-0.90
			Sg	12:48.26	0.66

1058.

2023-08-08 time: 13:11:22.35 UTC ML= 1.6
 lat: 46.734N lon: 22.793E h= 0.0 km
 erh= 4.8km erz= 2.9km
 nr= 8 gap=225 rms=0.43
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	8.9	316	Pg	13:11:23.52	-0.43
			Sg	11:25.73	0.53
SURR	120.5	205	Pg	13:11:43.89	0.01
			Sg	12:00.47	-0.20
GZR	149.0	180	Pn	13:11:48.86	0.89
			Sn	12:07.81	-0.14
BZS	153.9	216	Pn	13:11:48.23	-0.34
			Sn	12:09.00	-0.03

1059.

2023-08-08 time: 14:22:31.99 UTC ML= 1.3
 lat: 47.347N lon: 16.295E h= 0.0 km
 erh= 6.1km erz= 9.0km
 nr= 8 gap=179 rms=1.06
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	39.2	0	PgU	14:22:39.63	0.63
			Sg	22:43.66	-0.80
SOP	42.3	28	Pg	14:22:40.21	0.66
ARSA	59.4	260	Sg	14:22:51.14	0.28
CONA	72.4	333	Sg	14:22:54.55	-0.46
GROS	115.6	212	Sg	14:23:07.07	-1.65
MODS	135.8	33	Sn	14:23:11.21	-3.44
KRUC	190.8	2	Pn	14:23:03.86	1.04

1060.

2023-08-09 time: 6:56:34.48 UTC ML= 1.7
 lat: 46.784N lon: 17.399E h= 0.0 km
 erh= 6.2km erz= ***km
 nr= 6 gap=229 rms=0.63
 Locality: Szigliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	39.8	71	Sg	6:56:48.02	0.89
MPLH	44.2	14	Pg	6:56:42.73	0.36
			Sg	56:47.47	-1.06
KOVH	94.3	145	Sg	6:57:04.76	0.32
MORH	114.6	123	Sg	6:57:10.52	-0.37
PKSM	114.6	124	Sg	6:57:10.28	-0.64

Hypocenter Parameters

Földrengés paraméterek

1061.

2023-08-09 time: 8:35:31.04 UTC ML= 1.7
 lat: 46.799N lon: 17.471E h= 0.0 km
 erh= 5.9km erz= ***km
 nr= 10 gap=218 rms=1.13
 Locality: Badacsonytördemic
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	34.1	71	Sg	8:35:44.63	2.75
MPLH	41.6	7	Pg	8:35:38.08	-0.39
			Sg	35:43.80	-0.46
CSKK	86.8	44	Sg	8:35:58.80	0.18
KOVH	92.6	149	Pg	8:35:49.34	1.76
PKSG	96.0	47	Pg	8:35:47.92	-0.27
			Sg	36:01.29	-0.27
MORH	111.0	126	Sg	8:36:05.36	-0.95
PKSM	111.0	126	Sg	8:36:05.13	-1.21
PKSV	117.7	149	Sg	8:36:07.02	-1.45

1062.

2023-08-09 time: 8:40:11.33 UTC ML= 1.5
 lat: 48.573N lon: 20.403E h= 0.0 km
 erh= 3.0km erz= 967km
 nr= 10 gap=120 rms=0.75
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	11.7	149	Pg	8:40:13.46	0.04
			Sg	40:14.56	-0.49
ABAH	69.1	116	Pg	8:40:24.63	0.95
			Sg	40:32.01	-1.29
PSZ	82.0	207	Pg	8:40:26.43	0.45
			Sg	40:36.90	-0.51
LANS	94.0	313	Pg	8:40:28.61	0.49
			Sg	40:39.90	-1.31
NIE	94.3	356	Pg	8:40:28.56	0.39
			Sg	40:39.82	-1.49

1063.

2023-08-09 time: 8:55:33.31 UTC ML= 1.3
 lat: 48.601N lon: 20.832E h= 0.0 km
 erh= 9.5km erz= ***km
 nr= 6 gap=188 rms=1.15
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.8	243	Pg	8:55:39.42	0.97
			Sg	55:42.53	0.08
ABAH	45.4	138	Pg	8:55:42.34	0.93
			Sg	55:47.31	-0.42
PSZ	103.0	223	Sg	8:56:04.17	-1.89
KOLS	112.2	71	Sg	8:56:07.05	-1.91

1064.

2023-08-09 time: 11:02:55.63 UTC ML= 1.7
 lat: 48.378N lon: 19.133E h= 0.0 km
 erh= 4.0km erz= 4.1km
 nr= 11 gap=206 rms=0.87
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	66.3	170	Pg	11:03:07.52	0.05
			Sg	03:15.41	-1.29
PSZ	76.3	132	Pg	11:03:10.26	1.00
			Sg	03:19.84	-0.05
LANS	89.3	16	Pg	11:03:12.25	0.67

			Sg	03:21.73	-2.29
KECS	100.7	83	Pg	11:03:14.55	0.93
			Sg	03:27.34	-0.32
NIE	144.5	37	Pn	11:03:20.07	-0.61
			Sn	03:39.34	-0.88
ABAH	156.4	93	Sn	11:03:41.94	-0.93

1065.

2023-08-10 time: 0:01:27.51 UTC ML= 2.2
 lat: 48.178N lon: 16.684E h= 8.7 km
 erh= 1.8km erz= 1.8km
 nr= 23 gap=102 rms=0.73
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	49.2	64	Pg	0:01:36.63	0.20
			Sg	01:42.31	-1.07
SOP	55.7	190	Pg	0:01:37.45	-0.14
			Sg	01:43.84	-1.61
RONA	60.5	209	Pg	0:01:38.13	-0.30
SMOL	66.7	56	Pg	0:01:39.73	0.21
			Sg	01:48.47	-0.42
CONA	67.3	246	Pg	0:01:39.41	-0.21
EGYH	97.5	150	Pg	0:01:45.90	0.91
			Sg	01:59.55	0.93
KRUC	100.6	348	Pg	0:01:45.23	-0.31
			Sg	01:58.42	-1.19
JAVC	105.2	44	Pg	0:01:48.18	1.82
VRAC	125.9	357	Pn	0:01:48.89	-0.24
SRO	128.2	108	Pn	0:01:49.58	0.17
			Sn	02:05.29	-1.20
MPLH	129.1	150	Pn	0:01:49.99	0.46
			Sn	02:05.88	-0.82
ARSA	134.9	220	Pn	0:01:50.65	0.40
			Sn	02:07.97	-0.02
CSKK	148.9	127	Sn	0:02:10.06	-1.03
PKSG	154.9	124	Pn	0:01:53.32	0.58
			Sn	02:11.97	-0.45
KOGS	195.0	190	Sn	0:02:25.57	4.24*

1066.

2023-08-10 time: 2:48:32.81 UTC ML= 1.8
 lat: 47.357N lon: 16.027E h= 11.7 km
 erh= 2.8km erz= 2.6km
 nr= 23 gap= 96 rms=0.88
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
ARSA	39.9	253	Pg	2:48:40.76	0.52
			Sg	48:45.69	-0.35
RONA	43.1	28	PgD	2:48:40.75	-0.04
			Sg	48:45.85	-1.16
SOP	54.0	48	Pg	2:48:42.30	-0.37
			Sg	48:48.57	-1.79
CONA	64.7	349	Pg	2:48:45.16	0.61
			Sg	48:52.16	-1.55
EGYH	98.7	86	P*	2:48:51.73	1.26
			S*	49:03.89	-0.36
KOGS	102.5	170	P*	2:48:52.22	1.18
			S*	49:04.38	-0.89
PERS	106.0	221	Pn	2:48:50.90	-0.65
SOKA	106.9	225	Pn	2:48:51.40	-0.27
GROS	107.4	202	Pn	2:48:51.96	0.23
			Sn	49:04.94	-1.55
RCF6	114.0	183	Sn	2:49:07.16	-0.78
MPLH	116.3	100	Pn	2:48:52.91	0.07
			Sn	49:07.67	-0.80
MODS	146.7	40	Pn	2:48:58.34	1.71
			Sn	49:14.72	-0.49
KRUC	191.5	8	Pn	2:49:03.57	1.35
			Sn	49:25.68	0.53

Földrengés paraméterek

Hypocenter Parameters

1067.

2023-08-10 time: 7:12:00.37 UTC ML= 1.4
 lat: 48.093N lon: 20.710E h= 0.0 km
 erh= 2.2km erz= 492km
 nr= 6 gap=192 rms=0.30
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	45.4	60	Pg	7:12:08.50			0.03
			Sg	12:14.81			0.02
KECS	46.5	339	Pg	7:12:08.65			-0.02
			Sg	12:14.89			-0.25
PSZ	63.9	252	Pg	7:12:12.13			0.35
			Sg	12:19.71			-0.97

1068.

2023-08-10 time: 7:32:41.51 UTC ML= 1.9
 lat: 48.205N lon: 18.764E h= 0.0 km
 erh= 1.9km erz= 2.9km
 nr= 19 gap= 74 rms=0.91
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	60.2	140	Sg	7:33:00.84			0.20
PSZ	90.1	111	Pg	7:32:58.39			0.78
			Sg	33:09.13			-1.03
PKSG	94.6	197	Pg	7:32:59.26			0.85
			Sg	33:10.62			-0.97
CSKK	100.9	202	Pg	7:33:00.84			1.31
			Sg	33:12.21			-1.38
SMOL	104.7	289	Pg	7:33:00.76			0.55
			Sg	33:14.26			-0.54
JAVC	108.7	312	Pg	7:33:01.22			0.30
			Sg	33:14.57			-1.48
MODS	111.9	280	Pg	7:33:02.02			0.53
			Sg	33:15.83			-1.24
LANS	117.2	26	Pg	7:33:03.12			0.67
KECS	131.4	76	Pn	7:33:04.22			-0.71
			Sn	33:19.66			-3.53
EGYH	138.5	231	Sn	7:33:23.59			-1.17
MPLH	147.3	219	Sn	7:33:25.50			-1.22
ABAH	184.2	87	Sn	7:33:34.73			-0.18

1069.

2023-08-10 time: 7:36:38.16 UTC ML= 1.8
 lat: 48.476N lon: 21.757E h= 0.0 km
 erh= 2.8km erz= 4.7km
 nr= 12 gap=119 rms=0.88
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	43.3	242	Pg	7:36:46.57			0.69
			Sg	36:51.59			-0.32
KOLS	63.5	37	Pg	7:36:49.73			0.24
			Sg	36:57.71			-0.62
TRPA	69.6	124	Pg	7:36:51.27			0.69
			Sg	36:59.44			-0.83
KECS	94.0	270	Pg	7:36:54.61			-0.34
			Sg	37:06.31			-1.73
STHS	111.2	340	Sg	7:37:14.36			0.86
NIE	149.0	315	Sn	7:37:22.57			-1.17
PSZ	151.7	246	Pn	7:37:05.31			1.20
			Sn	37:21.93			-2.42

1070.

2023-08-10 time: 9:07:56.03 UTC ML= 1.1
 lat: 47.709N lon: 16.623E h= 0.0 km
 erh= 4.5km erz= 900km
 nr= 9 gap=205 rms=0.69
 Locality: Fertőrákos
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SOP	5.7	239	Pg	9:07:56.81			-0.23
			Sg	07:57.21			-0.61
RONA	24.5	267	Pg	9:08:00.46			0.05
			Sg	08:03.63			-0.20
CONA	62.0	293	Pg	9:08:07.73			0.63
			Sg	08:14.91			-0.82
MODS	88.5	33	Pg	9:08:12.92			1.08
			Sg	08:23.97			-0.20
SMOL	107.7	34	Sg	9:08:28.63			-1.63

1071.

2023-08-10 time: 9:31:35.50 UTC ML= 1.5
 lat: 45.976N lon: 22.353E h= 0.0 km
 erh= 1.9km erz= 614km
 nr= 9 gap=142 rms=0.46
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SURR	30.3	216	Pg	9:31:41.32			0.41
			Sg	31:46.25			1.11
DEV	43.9	104	Sg	9:31:49.38			-0.08
BZS	69.8	235	Pg	9:31:47.58			-0.37
			Sg	31:57.05			-0.62
GZR	72.7	153	Pg	9:31:48.84			0.37
			Sg	31:57.92			-0.67
DRGR	94.8	17	Pg	9:31:52.51			0.08
			Sg	32:05.21			-0.42

1072.

2023-08-10 time: 11:05:11.91 UTC ML= 1.1
 lat: 48.118N lon: 16.242E h= 0.0 km
 erh= 4.2km erz= 870km
 nr= 6 gap=169 rms=0.51
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	35.3	233	Pg	11:05:17.46			-0.76
			Sg	05:23.72			0.58
RONA	46.7	175	Pg	11:05:20.74			0.49
			Sg	05:26.38			-0.37
KRUC	105.6	6	Pg	11:05:31.04			0.28
			Sg	05:45.16			-0.31

1073.

2023-08-11 time: 7:43:48.22 UTC ML= 1.1
 lat: 46.144N lon: 18.058E h= 0.0 km
 erh= 3.2km erz= 485km
 nr= 9 gap=254 rms=0.36
 Locality: Okorvölgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	6.9	152	PgU	7:43:49.57			0.11
			Sg	43:50.68			0.25
PKSV	32.1	152	Pg	7:43:53.82			-0.13
			Sg	43:57.53			-0.89
PKSM	45.7	80	Pg	7:43:56.68			0.30
			Sg	44:02.94			0.20
MORH	46.0	80	Pg	7:43:56.52			0.09

Hypocenter Parameters

Földrengés paraméterek

PKB5 72.4 46 Sg 44:02.94 0.10
Sg 7:44:10.16 -1.07

1074.

2023-08-11 time: 13:01:44.89 UTC ML= 1.1
lat: 47.412N lon: 16.021E h= 0.0 km
erh= 9.6km erz= 8.4km
nr= 7 gap=190 rms=1.16
Locality: Austria
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	38.1	33	Sg	13:01:56.20	-0.82
ARSA	41.7	245	Pg	13:01:52.98	0.64
			Sg	01:57.35	-0.80
CONA	58.7	348	Pg	13:01:56.19	0.82
			Sg	02:02.30	-1.25
SOKA	110.9	223	Sg	13:02:18.11	-2.03
KRUC	185.6	9	Sn	13:02:40.48	1.88

1075.

2023-08-12 time: 8:33:09.76 UTC ML= 1.2
lat: 46.225N lon: 18.265E h= 0.0 km
erh= 2.8km erz= 858km
nr= 10 gap=131 rms=0.68
Locality: Kisbattyán
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.8	220	PgU	8:33:13.56	0.26
			Sg	33:16.65	0.59
PKSM	29.1	93	Pg	8:33:15.36	0.40
			Sg	33:19.07	0.06
MORH	29.3	92	Pg	8:33:15.56	0.57
			Sg	33:19.03	-0.04
PKSV	37.4	182	Pg	8:33:16.26	-0.18
			Sg	33:20.13	-1.51
PKST	116.3	351	Sg	8:33:43.64	-3.10
PKSG	130.1	4	Sg	8:33:50.22	-0.90

1076.

2023-08-12 time: 19:27:23.15 UTC ML= 0.5
lat: 47.877N lon: 16.301E h= 15.8 km
erh= 1.4km erz= 0.9km
nr= 12 gap=120 rms=0.34
Locality: Austria
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	19.7	181	Pg	19:27:27.73	0.07
			Sg	27:30.49	-0.69
SOP	28.9	138	Sg	19:27:33.64	0.02
WINA	30.7	326	Pg	19:27:29.65	0.33
			Sg	27:33.73	-0.40
CONA	33.4	280	Pg	19:27:29.99	0.25
			Sg	27:34.95	0.07
ARSA	91.0	220	S*	19:27:51.67	-0.15
EGYH	92.8	123	S*	19:27:52.77	0.46
ABNA	109.3	324	Pn	19:27:41.97	0.19
			Sn	27:55.58	-0.73
KRUC	131.9	3	Sn	19:28:01.03	-0.32

1077.

2023-08-13 time: 18:44:29.91 UTC ML= 0.2
lat: 47.496N lon: 18.324E h= 0.4 km
erh= 2.7km erz=86.3km
nr= 5 gap=158 rms=0.30
Locality: Kecskéd
Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	12.6	157	PgU	18:44:32.51	0.34
			Sg	44:33.41	-0.52
CSKK	15.5	198	Sg	18:44:34.60	-0.26
PKST	34.3	220	Pg	18:44:36.16	0.13
SRO	35.3	359	Sg	18:44:40.93	-0.20

1078.

2023-08-14 time: 7:45:08.75 UTC ML= 1.5
lat: 47.995N lon: 20.249E h= 0.0 km
erh= 4.1km erz= 3.6km
nr= 11 gap=159 rms=1.09
Locality: Hevesaranyos
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	27.8	252	Pg	7:45:14.58	0.86
			Sg	45:18.26	0.66
KECS	57.0	18	Pg	7:45:20.05	1.12
			Sg	45:26.63	-0.25
PENC	75.9	253	Sg	7:45:32.70	-0.16
ABAH	80.9	66	Pg	7:45:23.07	-0.13
			Sg	45:33.70	-0.77
LANS	140.8	336	Pn	7:45:34.04	0.70
			Sn	45:49.78	-2.74
PKSG	154.8	244	Sn	7:45:52.86	-2.77
TRPA	171.3	85	Sn	7:45:58.53	-0.77

1079.

2023-08-14 time: 8:32:52.28 UTC ML= 1.5
lat: 48.883N lon: 21.037E h= 0.0 km
erh= 1.8km erz= 3.1km
nr= 11 gap= 96 rms=0.54
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	60.2	222	Pg	8:33:03.23	0.19
			Sg	33:10.90	-0.53
STHS	61.2	14	Pg	8:33:04.01	0.80
			Sg	33:11.29	-0.44
ABAH	67.0	167	Pg	8:33:04.17	-0.08
			Sg	33:13.17	-0.42
NIE	79.6	318	Sg	8:33:16.77	-0.80
KOLS	90.8	87	Pg	8:33:08.39	-0.11
			Sg	33:19.74	-1.41
OJC	173.5	329	Pn	8:33:21.54	0.59
			Sn	33:43.61	0.30

1080.

2023-08-14 time: 10:00:44.95 UTC ML= 1.2
lat: 47.243N lon: 17.696E h= 0.0 km
erh= 1.3km erz= 1.4km
nr= 8 gap=210 rms=0.47
Locality: Bakonybél
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	14.3	236	Pg	10:00:47.44	-0.07
			Sg	00:49.26	-0.24
PKST	25.7	86	Pg	10:00:49.61	0.07
			Sg	00:52.80	-0.32
TIH	40.9	159	Pg	10:00:52.72	0.46
			Sg	00:58.78	0.82
MORH	135.2	148	Sn	10:01:26.86	-0.62
PKSM	135.5	148	Sn	10:01:26.28	-1.26

Földrengés paraméterek

Hypocenter Parameters

1081.

 2023-08-14 time: 10:03:33.69 UTC ML= 1.8
 lat: 48.811N lon: 21.613E h= 0.0 km
 erh= 2.2km erz= 2.9km
 nr= 17 gap= 64 rms=0.91
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	50.3	74	Pg	10:03:43.43	0.76
			Sg	03:49.97	0.30
ABAH	63.6	206	Sg	10:03:53.18	-0.72
STHS	72.5	338	Pg	10:03:47.27	0.63
			Sg	03:56.03	-0.71
KECS	90.7	246	Pg	10:03:50.94	1.05
			Sg	04:01.43	-1.10
TRPA	102.1	138	Pg	10:03:51.85	-0.07
			Sg	04:05.15	-0.99
NIE	116.5	305	Pg	10:03:55.64	1.15
			Sg	04:09.38	-1.33
KWP	121.1	41	Sg	10:04:10.16	-2.03
LTVH	160.1	172	Sn	10:04:20.96	-0.77
PSZ	161.5	232	Pn	10:04:01.71	0.85
			Sn	04:20.81	-1.24
LANS	161.5	284	Sn	10:04:21.28	-0.77
OJC	204.4	320	Sn	10:04:31.61	0.03

1082.

 2023-08-14 time: 10:18:20.20 UTC ML= 1.5
 lat: 47.893N lon: 20.181E h= 0.0 km
 erh= 7.0km erz= 991km
 nr= 5 gap=200 rms=0.45
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.6	278	PgU	10:18:24.50	0.44
			Sg	18:26.30	-0.77
PENC	68.3	260	Sg	10:18:41.94	0.04
KECS	69.5	19	Sg	10:18:42.49	0.22
ABAH	90.7	60	Sg	10:18:48.57	-0.46

1083.

 2023-08-14 time: 11:18:10.19 UTC ML= 1.0
 lat: 47.542N lon: 18.369E h= 0.0 km
 erh= 7.5km erz= 783km
 nr= 5 gap=316 rms=0.37
 Locality: Vértessomló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	16.8	174	Pg	11:18:13.09	-0.09
			Sg	18:15.63	0.11
CSKK	21.5	202	Pg	11:18:14.19	0.16
			Sg	18:17.43	0.41
PKST	40.3	219	Sg	11:18:21.97	-1.04

1084.

 2023-08-14 time: 11:33:02.61 UTC ML= 2.1
 lat: 46.263N lon: 19.810E h= 7.3 km
 erh= 1.8km erz= 1.5km
 nr= 24 gap=134 rms=0.57
 Locality: Zákányszék
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS6	42.0	333	Pg	11:33:10.23	0.02
			Sg	33:16.55	0.40
PKB3	50.7	291	Sg	11:33:19.57	0.69
PKSN	70.6	4	Pg	11:33:15.24	-0.05

MORH	90.1	267	Pg	11:33:18.41	-0.34
			Sg	33:31.28	-0.06
PKSM	90.4	266	Pg	11:33:18.36	-0.43
			Sg	33:31.40	-0.02
PKB4	96.4	286	Pg	11:33:20.27	0.40
			Sg	33:32.82	-0.51
PKB1	97.3	307	Sg	11:33:32.50	-1.12
PKS7	100.4	330	Pg	11:33:20.74	0.16
			Sg	33:33.87	-0.73
PKS9	123.1	287	Pn	11:33:24.19	0.14
			Sn	33:39.62	-1.16
TIM	123.9	118	Sn	11:33:36.57	-4.39*
PKSV	127.5	251	Pn	11:33:25.08	0.48
			Sn	33:41.70	-0.06
KOVH	133.5	262	Pn	11:33:25.95	0.60
			Sn	33:43.09	0.00
BZS	157.4	117	Sn	11:33:47.09	-1.30
PKSG	165.8	319	Sn	11:33:50.50	0.25
CSKK	170.2	316	Sn	11:33:54.12	2.90
PSZ	184.2	2	Sn	11:33:55.87	1.54
SURR	188.0	108	Sn	11:33:55.86	0.69

1085.

 2023-08-14 time: 11:41:58.19 UTC ML= 1.9
 lat: 46.247N lon: 19.883E h= 13.8 km
 erh= 2.2km erz= 1.1km
 nr= 11 gap=300 rms=0.26
 Locality: Mórahalom
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS6	46.3	328	Pg	11:42:06.72	-0.09
			Sg	42:13.37	-0.16
PKS2	58.3	298	Pg	11:42:09.18	0.29
			Sg	42:17.36	0.12
MORH	95.7	268	P*	11:42:15.11	-0.09
			S*	42:28.27	-0.20
PKSM	95.9	268	P*	11:42:15.13	-0.11
			S*	42:28.12	-0.41
PKS7	104.8	328	Sn	11:42:30.57	-0.26
PKS9	129.0	287	Pn	11:42:19.96	0.41
			Sn	42:37.14	0.92

1086.

 2023-08-14 time: 11:46:18.48 UTC ML= 1.0
 lat: 47.521N lon: 18.495E h= 0.0 km
 erh= 2.8km erz= 1.8km
 nr= 6 gap=310 rms=0.19
 Locality: Szárliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	16.4	209	Pg	11:46:21.50	0.10
			Sg	46:23.92	0.24
CSKK	24.9	225	Pg	11:46:22.95	0.02
			Sg	46:25.96	-0.44
MORH	145.5	176	Sn	11:47:03.33	0.03
PKSM	145.9	176	Sn	11:47:03.18	-0.21

1087.

 2023-08-15 time: 7:11:25.06 UTC ML= 1.4
 lat: 48.558N lon: 19.305E h= 0.0 km
 erh= 9.1km erz= ***km
 nr= 6 gap=189 rms=1.08
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	67.0	10	Sg	7:11:45.49	-0.85
PSZ	83.6	148	Pg	7:11:41.19	1.21
			Sg	11:50.81	-0.81
PENC	85.4	181	Sg	7:11:50.90	-1.30

Hypocenter Parameters

KECS 87.6 95 Sg 7:11:51.61 -1.31
 NIE 120.9 38 Pg 7:11:47.56 0.91

1088.

2023-08-15 time: 7:24:17.57 UTC ML= 2.1
 lat: 47.320N lon: 18.444E h= 0.0 km
 erh= 1.8km erz= 3.4km
 nr= 8 gap=114 rms=0.43
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.9	333	Pg	7:24:19.45	0.29
			Sg	24:19.84	-0.56
CSKK	14.6	289	PgU	7:24:20.64	0.46
			Sg	24:21.58	-0.64
MORH	123.7	173	Sg	7:24:56.51	-0.39
PKSM	124.2	173	Sg	7:24:56.82	-0.21
PSZ	127.7	59	Sg	7:24:57.91	-0.26
KOVH	139.5	191	Sn	7:25:01.54	0.50

1089.

2023-08-15 time: 8:55:02.34 UTC ML= 1.7
 lat: 47.807N lon: 19.878E h= 0.0 km
 erh= 4.7km erz= 6.0km
 nr= 11 gap=186 rms=0.86
 Locality: Gyöngyöstarján
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	12.4	6	PgU	8:55:05.35	0.79
			Sg	55:06.21	-0.07
PENC	44.7	268	Sg	8:55:16.69	0.13
			Pg	8:55:18.34	0.34
ABAH	115.1	62	Pg	8:55:23.39	0.49
			Sg	55:37.43	-1.50
PKSG	121.0	248	Pg	8:55:23.78	-0.17
			Sg	55:39.51	-1.30
LANS	152.4	349	Pn	8:55:29.57	1.19
			Sn	55:46.95	-1.74

1090.

2023-08-15 time: 10:37:28.69 UTC ML= 1.8
 lat: 47.333N lon: 18.440E h= 0.0 km
 erh= 1.3km erz= 2.4km
 nr= 8 gap=114 rms=0.30
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.5	331	PgU	10:37:30.20	0.17
			Sg	37:30.59	-0.49
CSKK	14.0	284	Pg	10:37:31.61	0.43
			Sg	37:32.74	-0.38
MORH	125.2	173	Sg	10:38:08.47	0.00
PKSM	125.6	173	Sg	10:38:08.47	-0.13
PSZ	127.3	59	Sg	10:38:09.10	-0.04
KOVH	140.8	191	Sn	10:38:12.23	-0.22

1091.

2023-08-15 time: 11:17:18.66 UTC ML= 1.6
 lat: 48.685N lon: 21.461E h= 0.0 km
 erh= 2.4km erz= 4.7km
 nr= 14 gap= 76 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.2	201	Pg	11:17:28.37	1.45

Földrengés paraméterek

			Sg	17:34.67	1.32
KOLS	65.7	65	Pg	11:17:30.21	-0.19
			Sg	17:39.89	0.33
KECS	75.4	253	Pg	11:17:32.30	0.18
			Sg	17:41.47	-1.15
STHS	83.0	349	Pg	11:17:34.75	1.27
			Sg	17:44.84	-0.19
TRPA	100.8	128	Pg	11:17:36.71	0.04
			Sg	17:49.23	-1.49
NIE	117.1	314	Pg	11:17:39.49	-0.08
			Sg	17:54.40	-1.48
PSZ	144.1	234	Pn	11:17:43.12	-0.55
			Sn	18:01.67	-1.50

1092.

2023-08-15 time: 13:43:08.98 UTC ML= 1.7
 lat: 48.674N lon: 22.461E h= 0.0 km
 erh= 3.8km erz= 4.3km
 nr= 10 gap=171 rms=1.15
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	31.9	334	Pg	13:43:15.28	0.60
			Sg	43:19.81	0.68
TRPA	60.7	175	Pg	13:43:19.98	0.16
			Sg	43:28.42	0.13
ABAH	99.6	245	Pg	13:43:27.80	1.03
			Sg	43:39.69	-0.96
STHS	121.4	313	Pg	13:43:31.72	1.06
			Sg	43:45.48	-2.09
BMR	135.4	145	Sn	13:43:49.52	-2.03
KECS	147.3	262	Sn	13:43:51.98	-2.21

1093.

2023-08-15 time: 14:01:50.35 UTC ML= 1.5
 lat: 48.691N lon: 22.480E h= 0.0 km
 erh= 3.3km erz= 3.0km
 nr= 11 gap=176 rms=0.95
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	30.9	331	Pg	14:01:56.56	0.69
			Sg	02:01.26	1.09
TRPA	62.5	176	Pg	14:02:02.12	0.60
			Sg	02:10.49	0.26
ABAH	101.7	244	Pg	14:02:08.69	0.18
			Sg	02:22.07	-0.60
STHS	121.1	312	Pg	14:02:12.60	0.61
			Sg	02:27.08	-1.78
BMR	136.2	146	Sn	14:02:31.15	-1.95
KECS	148.9	261	Sn	14:02:33.89	-2.04
NIE	177.8	297	Sn	14:02:42.19	-0.16

1094.

2023-08-15 time: 14:03:41.37 UTC ML= 1.8
 lat: 48.697N lon: 22.480E h= 0.0 km
 erh= 3.3km erz= 3.6km
 nr= 10 gap=177 rms=1.00
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	30.3	330	Pg	14:03:46.93	0.15
			Sg	03:51.47	0.47
TRPA	63.2	176	Pg	14:03:53.43	0.78
			Sg	04:01.33	-0.13
ABAH	102.0	244	Pg	14:04:00.08	0.50
			Sg	04:12.53	-1.25
STHS	120.7	312	Pg	14:04:04.15	1.23
			Sg	04:18.39	-1.34

Földrengés paraméterek

Hypocenter Parameters

BMR 136.7 146 Sn 14:04:22.39 -1.84
 KECS 149.1 261 Sn 14:04:25.28 -1.69

1095.

2023-08-16 time: 6:23:02.75 UTC ML= 1.5
 lat: 48.411N lon: 17.302E h= 0.0 km
 erh= 2.6km erz= 901km
 nr= 15 gap=164 rms=0.80
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	4.6	204	PgU	6:23:04.31			0.74
			Sg	23:04.99			0.79
SMOL	14.8	39	Pg	6:23:05.83			0.45
			Sg	23:06.95			-0.49
ZST	28.1	212	Sg	6:23:11.16			-0.53
JAVC	56.7	29	Pg	6:23:13.31			0.43
			Sg	23:18.84			-1.94
KRUC	98.4	317	Pg	6:23:20.33			0.01
			Sg	23:34.20			0.17
RONA	109.0	223	Pg	6:23:23.09			0.88
			Sg	23:35.35			-2.05
VRAC	112.5	332	Pg	6:23:22.92			0.08
			Sg	23:37.72			-0.78
CONA	119.8	243	Pg	6:23:23.97			-0.18
			Sg	23:38.60			-2.24

1096.

2023-08-16 time: 7:53:51.24 UTC ML= 1.5
 lat: 46.750N lon: 22.660E h= 0.0 km
 erh= 4.8km erz= 3.3km
 nr= 7 gap=200 rms=0.47
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	6.1	41	Pg	7:53:51.80			-0.53
			Sg	53:53.68			0.51
DEV	98.2	169	Sg	7:54:22.13			-0.32
SURR	118.2	200	Pg	7:54:12.11			-0.24
			Sg	54:28.98			0.17
GZR	151.1	177	Pn	7:54:17.94			0.82
			Sn	54:37.35			0.05

1097.

2023-08-16 time: 8:00:40.41 UTC ML= 1.2
 lat: 48.613N lon: 20.786E h= 0.0 km
 erh= 2.3km erz= 715km
 nr= 9 gap=116 rms=0.54
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.5	237	Pg	8:00:45.48			0.34
			Sg	00:47.99			-0.84
ABAH	48.6	136	Pg	8:00:49.24			0.14
			Sg	00:55.34			-0.53
STHS	95.4	21	Pg	8:00:57.46			0.01
			Sg	01:10.06			-0.69
NIE	96.1	339	Pg	8:00:57.69			0.12
PSZ	101.7	221	Pg	8:00:59.26			0.68
			Sg	01:10.29			-2.46

1098.

2023-08-16 time: 9:09:39.77 UTC ML= 1.5
 lat: 47.873N lon: 20.152E h= 0.0 km
 erh= 7.6km erz= ***km
 nr= 7 gap=202 rms=0.85
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	19.9	285	Pg	9:09:43.70			0.38
			Sg	09:45.66			-0.43
PENC	65.8	262	Sg	9:09:59.98			-0.70
KECS	72.2	20	Pg	9:09:53.20			0.53
			Sg	10:01.78			-0.95
ABAH	93.7	60	Pg	9:09:57.35			0.85
			Sg	10:07.33			-2.22

1099.

2023-08-16 time: 9:20:16.78 UTC ML= 2.0
 lat: 46.862N lon: 17.402E h= 0.0 km
 erh= 1.8km erz= 7.5km
 nr= 19 gap=135 rms=0.75
 Locality: Raposka
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	35.8	17	Pg	9:20:22.67			-0.50
			Sg	20:27.58			-0.58
TIH	37.7	84	Pg	9:20:24.28			0.78
			Sg	20:29.83			1.08
PKS9	73.7	115	Sg	9:20:40.16			-0.03
CSKK	85.7	49	Pg	9:20:32.91			0.82
			Sg	20:42.59			-1.44
PKSG	95.4	52	Pg	9:20:33.83			0.02
KOGS	99.4	242	Pg	9:20:34.79			0.26
			Sg	20:48.36			-0.02
KOVH	101.3	148	Pg	9:20:35.32			0.45
			Sg	20:48.30			-0.68
MORH	119.3	127	Pg	9:20:37.90			-0.18
			Sg	20:53.31			-1.39
PKSM	119.4	127	Pg	9:20:38.05			-0.05
			Sg	20:53.39			-1.34
PKSV	126.4	149	Pg	9:20:40.58			1.23
			Sg	20:56.23			-0.73
PTJ	154.2	226	Sn	9:21:01.40			-2.12

1100.

2023-08-16 time: 11:33:23.22 UTC ML= 1.5
 lat: 45.640N lon: 22.372E h= 7.1 km
 erh= 4.4km erz= 4.2km
 nr= 11 gap=137 rms=0.70
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	23.0	303	Pg	11:33:27.58			0.06
			Sg	33:31.42			0.54
GZR	41.9	131	Pg	11:33:30.72			-0.09
			Sg	33:36.03			-0.69
BZS	58.9	267	Pg	11:33:33.69			-0.13
			Sg	33:41.76			-0.32
DRGR	130.7	12	Pn	11:33:45.91			0.27
			Sn	34:01.12			-2.00
CJR	152.3	38	Sn	11:34:08.60			0.67
VOIR	210.4	96	Pn	11:33:58.75			3.17
			Sn	34:21.99			1.17

Hypocenter Parameters

Földrengés paraméterek

1101.

2023-08-16 time: 11:36:41.19 UTC ML= 1.8
 lat: 46.684N lon: 22.959E h= 0.0 km
 erh= 5.3km erz= 3.6km
 nr= 7 gap=243 rms=1.05
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	22.4	302	Pg	11:36:44.40			-0.79
			Sg		36:46.67		-1.64
SURR	121.8	212	Pg	11:37:04.28			1.35
			Sg		37:21.26		1.36
GZR	144.2	186	Pn	11:37:06.44			0.25
			Sn		37:24.40		-1.30
BZS	157.6	221	Sn	11:37:28.66			-0.02

1102.

2023-08-17 time: 7:50:45.17 UTC ML= 1.6
 lat: 48.545N lon: 19.378E h= 0.0 km
 erh= 3.8km erz= 6.6km
 nr= 8 gap=181 rms=0.69
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	67.7	6	Sg	7:51:06.47			-0.21
PSZ	79.5	151	Pg	7:50:59.89			0.52
			Sg		51:09.67		-0.77
KECS	82.1	95	Pg	7:51:00.36			0.53
			Sg		51:10.61		-0.65
PENC	84.2	185	Sg	7:51:11.08			-0.85
NIE	118.9	35	Sg	7:51:21.81			-1.14
ABAH	140.5	101	Pn	7:51:10.53			0.81

1103.

2023-08-17 time: 7:51:20.58 UTC ML= 2.3
 lat: 47.331N lon: 18.446E h= 0.0 km
 erh= 2.5km erz= 5.5km
 nr= 7 gap=205 rms=0.51
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.0	328	PgU	7:51:22.24			0.23
			Sg		51:22.94		-0.18
CSKK	14.5	284	Pg	7:51:23.61			0.44
			Sg		51:25.01		-0.18
MORH	124.9	173	Sg	7:51:59.70			-0.57
PKSM	125.3	173	Sg	7:52:00.33			-0.07
MODS	145.3	323	Sn	7:52:02.52			-2.82

1104.

2023-08-17 time: 7:59:57.76 UTC ML= 1.2
 lat: 46.157N lon: 18.018E h= 0.0 km
 erh= 1.7km erz= 2.4km
 nr= 8 gap=223 rms=0.49
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	9.9	140	PgU	7:59:59.73			0.20
			Sg		8:00:00.59		-0.32
PKSV	34.9	149	Pg	7:60:04.19			0.19
			Sg		60:07.83		-1.03
PKSM	48.5	83	Pg	7:60:07.05			0.62
			Sg		60:13.15		-0.04
MORH	48.8	82	Sg	7:60:13.15			-0.13
PKSG	140.2	12	Sn	7:60:40.42			-0.98

1105.

2023-08-17 time: 9:56:23.19 UTC ML= 2.0
 lat: 46.257N lon: 22.088E h= 15.9 km
 erh= 4.1km erz= 2.8km
 nr= 10 gap=136 rms=0.65
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	56.0	177	Pg	9:56:33.73			0.15
			Sg		56:41.64		-0.05
DRGR	76.3	39	P*	9:56:36.78			-0.27
			S*		56:46.48		-1.38
BZS	80.0	207	P*	9:56:37.28			-0.33
			S*		56:48.36		-0.51
BANR	122.2	217	Sn	9:57:00.16			0.96
LTVH	126.2	354	Sn	9:57:00.80			0.70
CJR	126.6	66	Sn	9:57:01.46			1.28
DJES	183.7	169	Sn	9:57:13.25			0.39
BMR	190.5	34	Sn	9:57:19.59			5.23*

1106.

2023-08-17 time: 10:14:20.87 UTC ML= 1.7
 lat: 48.374N lon: 17.288E h= 0.0 km
 erh= 3.3km erz= 6.7km
 nr= 16 gap=181 rms=0.97
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	0.8	271	PgU	10:14:22.58			1.56
			Sg		14:23.70		2.57
SMOL	18.8	34	Pg	10:14:24.19			-0.03
			Sg		14:27.74		0.90
ZST	24.0	215	Sg	10:14:28.49			-0.03
JAVC	60.9	28	Pg	10:14:32.52			0.76
			Sg		14:39.47		-0.77
KRUC	100.9	319	Pg	10:14:38.78			-0.11
			Sg		14:52.24		-0.70
RONA	105.3	225	Pg	10:14:40.35			0.68
			Sg		14:53.85		-0.49
VRAC	115.8	334	Pg	10:14:40.79			-0.76
			Sg		14:56.36		-1.32
CONA	117.1	245	Pg	10:14:41.29			-0.50
			Sg		14:55.88		-2.22
MORC	157.2	7	Sn	10:15:07.03			-1.25

1107.

2023-08-17 time: 11:59:10.50 UTC ML= 0.8
 lat: 47.862N lon: 16.074E h= 0.0 km
 erh= 2.3km erz= 6.2km
 nr= 7 gap= 84 rms=0.69
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	17.5	295	Pg	11:59:14.10			0.47
			Sg		59:15.91		-0.16
RONA	24.6	137	Pg	11:59:15.40			0.51
			Sg		59:18.61		0.30
ARSA	79.6	211	Sg	11:59:35.12			-0.69
MODS	106.1	58	Sg	11:59:43.65			-0.59
KRUC	135.5	10	Sn	11:59:50.72			-2.38

Földrengés paraméterek

Hypocenter Parameters

1108.

 2023-08-18 time: 6:17:11.53 UTC ML= 1.8
 lat: 48.239N lon: 21.550E h= 0.0 km
 erh= 6.5km erz= 7.7km
 nr= 9 gap=155 rms=1.20
 Locality: Viss
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	23.9	285	Pg	6:17:16.82	1.02
			Sg	17:20.12	1.00
TRPA	74.6	99	Sg	6:17:34.44	-0.79
KECS	83.4	289	Sg	6:17:36.64	-1.40
KOLS	93.8	35	Pg	6:17:29.52	1.24
			Sg	17:40.50	-0.85
PSZ	128.4	254	Sg	6:17:50.63	-1.72
STHS	132.8	350	Pn	6:17:35.66	0.53
			Sn	17:51.32	-2.22

1109.

 2023-08-18 time: 7:26:43.85 UTC ML= 1.9
 lat: 48.400N lon: 18.475E h= 0.0 km
 erh= 3.7km erz= 5.7km
 nr= 12 gap=142 rms=1.12
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
JAVC	78.3	311	Pg	7:26:58.10	0.27
			Sg	27:07.04	-1.69
SMOL	78.4	279	Pg	7:26:58.89	1.03
MODS	88.8	268	Pg	7:27:01.07	1.37
			Sg	27:11.27	-0.80
LANS	110.9	41	Pg	7:27:04.76	1.11
			Sg	27:17.39	-1.70
PKSG	112.3	183	Sg	7:27:18.63	-0.90
CSKK	116.4	188	Sg	7:27:19.57	-1.28
MORC	167.6	336	Pn	7:27:11.94	0.15
			Sn	27:31.89	-1.68
CONA	201.4	255	Sn	7:27:39.81	-1.26

1110.

 2023-08-18 time: 7:44:10.82 UTC ML= 1.4
 lat: 48.061N lon: 20.710E h= 0.0 km
 erh= 2.2km erz= 455km
 nr= 6 gap=199 rms=0.26
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.2	56	Pg	7:44:19.50	0.25
			Sg	44:25.57	-0.26
KECS	49.8	340	Pg	7:44:19.81	0.10
			Sg	44:26.51	-0.13
PSZ	62.9	255	Pg	7:44:21.70	-0.35
			Sg	44:31.21	0.39

1111.

 2023-08-18 time: 8:38:37.43 UTC ML= 1.3
 lat: 48.508N lon: 17.489E h= 0.0 km
 erh= 2.6km erz= 480km
 nr= 7 gap=207 rms=0.32
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.5	278	PgU	8:38:38.01	-0.22
			Sg	38:38.65	-0.21
MODS	21.7	226	Pg	8:38:41.55	0.25
			Sg	38:43.96	-0.36

JAVC 41.2 19 Pg 8:38:44.55 -0.24
 Sg 38:50.55 0.01
 KRUC 101.2 307 Pg 8:38:56.07 0.56

1112.

 2023-08-18 time: 9:09:56.42 UTC ML= 1.7
 lat: 46.793N lon: 22.858E h= 0.0 km
 erh= 3.9km erz= 2.5km
 nr= 7 gap=273 rms=0.69
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	11.3	269	Pg	9:09:58.28	-0.15
			Sg	10:00.09	0.09
SURR	128.6	206	Pg	9:10:18.97	-0.42
			Sg	10:34.63	-2.68
GZR	155.7	182	Pn	9:10:23.69	0.82
			Sn	10:43.91	0.41
BZS	162.1	216	Sn	9:10:45.40	0.47

1113.

 2023-08-18 time: 9:22:15.53 UTC ML= 1.6
 lat: 48.610N lon: 20.786E h= 0.0 km
 erh= 3.8km erz= 7.0km
 nr= 7 gap=235 rms=0.64
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.3	238	Pg	9:22:20.36	0.13
			Sg	22:24.12	0.23
ABAH	48.4	136	Pg	9:22:24.59	0.42
			Sg	22:31.33	0.41
PSZ	101.5	221	Pg	9:22:33.61	-0.04
			Sg	22:46.54	-1.25
TRPA	140.4	112	Sn	9:22:55.52	-3.69

1114.

 2023-08-18 time: 11:13:27.28 UTC ML= 1.2
 lat: 47.598N lon: 18.449E h= 0.0 km
 erh= 9.7km erz= ***km
 nr= 6 gap=212 rms=0.59
 Locality: Vértestolna
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	23.3	191	Pg	11:13:31.83	0.38
			Sg	13:34.66	-0.04
CSKK	29.7	209	Pg	11:13:33.24	0.65
			Sg	13:36.30	-0.43
PKST	49.0	220	Sg	11:13:41.87	-0.98
PSZ	114.1	72	Sg	11:14:02.78	-0.77

1115.

 2023-08-19 time: 8:43:56.38 UTC ML= 1.7
 lat: 46.881N lon: 20.706E h= 12.7 km
 erh= 4.2km erz= 3.6km
 nr= 9 gap=122 rms=0.71
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	64.0	272	Pg	8:44:07.53	-0.50
			Sg	44:18.38	1.27
PKS2	122.1	249	Sn	8:44:32.47	-0.66
PSZ	130.6	332	Pn	8:44:18.31	0.23
			Sn	44:34.83	-0.18
DRGR	153.3	94	Pn	8:44:21.69	0.78
			Sn	44:38.21	-1.83

Hypocenter Parameters

Földrengés paraméterek

BZS 157.1 153 Sn 8:44:41.39 0.51
 PKSM 175.0 245 Pn 8:44:23.28 -0.33

KOLS 262.4 27 Pn 9:14:05.77 0.79
 Sn 14:35.29 0.93
 LANS 273.1 341 Pn 9:14:07.29 0.98
 STZU 283.1 31 Pn 9:14:08.33 0.77
 MEZ 283.6 49 Pn 9:14:07.72 0.10
 DJES 283.6 149 Pn 9:14:07.84 0.21
 NIE 288.9 355 Pn 9:14:09.57 1.29
 STHS 290.5 8 Pn 9:14:09.72 1.24
 RAKU 295.9 63 Pn 9:14:09.05 -0.10
 BEHE 301.2 262 Pn 9:14:09.64 -0.18*
 SMOL 307.3 307 Pn 9:14:10.49 -0.08*
 MODS 307.7 304 Pn 9:14:10.95 0.32*

1116.

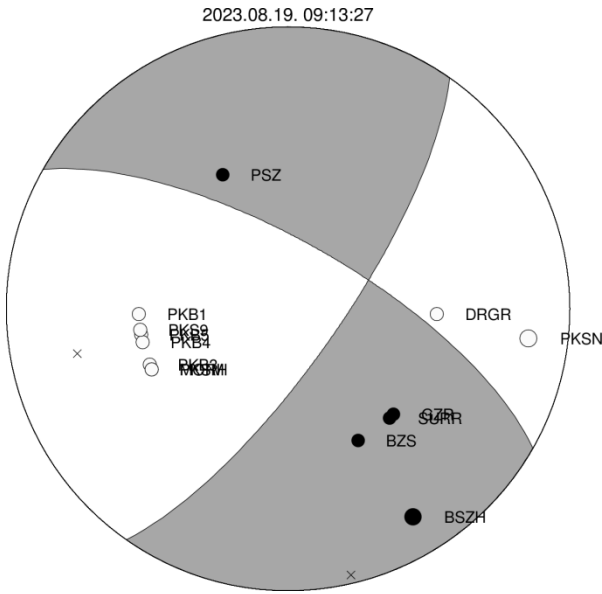
2023-08-19 time: 9:13:27.32 UTC ML= 4.0
 lat: 46.832N lon: 20.675E h= 16.4 km
 erh= 1.0km erz= 1.0km
 nr= 71 gap= 41 rms=0.54
 Locality: Örménykút
 Comments: felt 5 MIS/IIS

sta	dist	azm	phase	hr	mn	sec	res
BSZH	60.5	329	PgU	9:13:38.64			0.12
			Sg		13:49.99		2.73*
PKSN	62.0	277	PgD	9:13:38.87			0.09
			Sg		13:48.45		0.74
PKS6	88.8	253	P*	9:13:43.17			0.13
			S*		13:55.71		0.41
LTVH	111.5	57	Pn	9:13:45.93			-0.23
			Sn		14:01.55		0.69
PKS7	117.8	282	Pn	9:13:46.90			-0.05
			Sn		14:01.91		-0.35
PKS2	118.1	251	Pn	9:13:47.04			0.05
			Sn		14:02.78		0.45
PKB3	122.1	248	PnD	9:13:47.23			-0.26
			Sn		14:02.73		-0.49
SF5A	124.7	309	Pn	9:13:48.33			0.53
TIM	128.8	161	Pn	9:13:48.68			0.36
PSZ	134.4	334	PnU	9:13:48.47			-0.55
			Sn		14:06.06		0.11
PKB1	143.8	268	PnD	9:13:49.86			-0.34
			Sn		14:09.18		1.14
PBUD	144.5	299	Sn	9:14:07.95			-0.23
BUD	144.7	300	Pn	9:13:49.61			-0.69
			Sn		14:07.77		-0.46
PENC	149.9	315	Pn	9:13:50.79			-0.16
PKB5	150.6	260	PnD	9:13:50.78			-0.26
			Sn		14:09.39		-0.16
BZS	153.4	152	PnU	9:13:51.71			0.33
			Sn		14:10.82		0.66
DRGR	155.4	92	PnD	9:13:51.66			0.02
			Sn		14:10.26		-0.36
PKB4	162.9	257	PnD	9:13:52.23			-0.34
SURR	163.8	137	PnU	9:13:53.10			0.42
			Sn		14:11.74		-0.73
BANR	165.0	168	Pn	9:13:53.77			0.94
ABAH	168.2	15	Pn	9:13:52.69			-0.55
			Sn		14:15.54		2.09
MORH	170.2	246	PnD	9:13:52.89			-0.60
PKSM	170.6	246	PnD	9:13:52.97			-0.57
KECS	184.1	356	Pn	9:13:55.69			0.47
			Sn		14:17.64		0.66
PKSG	184.2	290	Pn	9:13:55.15			-0.08
PKS9	185.3	262	PnD	9:13:55.07			-0.29
CSKK	192.6	288	Pn	9:13:55.76			-0.52
			Sn		14:20.51		1.64
FRGS	200.1	200	Pn	9:13:57.58			0.36
DEV	201.3	122	Pn	9:13:57.14			-0.22
			Sn		14:19.58		-1.21
TRPA	201.4	44	Pn	9:13:56.29			-1.09
PKST	206.2	283	Pn	9:13:58.97			0.99
			Sn		14:22.15		0.26
SRO	209.3	301	Pn	9:13:58.98			0.63
			Sn		14:22.35		-0.21
TIH	212.3	272	Pn	9:13:58.73			0.00
PKSV	214.0	241	Pn	9:13:58.56			-0.38
			Sn		14:23.12		-0.48
KOVH	214.4	247	Pn	9:13:58.47			-0.53
GZR	228.0	135	PnU	9:14:01.82			1.14
HOLU	228.0	34	Pn	9:13:59.37			-1.32
BMR	233.2	66	Pn	9:14:00.70			-0.63
MPLH	241.5	279	Pn	9:14:02.34			-0.03
BRIU	243.2	46	Pn	9:14:00.62			-1.96
EGYH	261.9	284	Pn	9:14:06.56			1.64

ZST	308.9	299	Pn	9:14:11.20			0.42*
			Sn		14:43.59		-1.09*
JAVC	318.4	315	Pn	9:14:12.76			0.80*
SOP	325.7	287	Pn	9:14:13.16			0.29*
			Sn		14:47.90		-0.50*
RONA	345.2	286	Pn	9:14:15.49			0.19*
			Sn		14:52.40		-0.32*
VOIR	371.9	115	Pn	9:14:20.34			1.71*
WINA	374.8	292	Pn	9:14:19.40			0.40*
			Sn		14:58.66		-0.64*
OJC	382.2	350	Pn	9:14:21.15			1.23*
CONA	383.4	289	Pn	9:14:20.22			0.15*
			Sn		15:00.45		-0.76*
ARSA	394.3	277	Pn	9:14:21.71			0.28*
			Sn		15:02.86		-0.77*
GROS	398.2	264	Pn	9:14:21.76			-0.15*
MORC	401.6	325	Pn	9:14:22.60			0.27*
KRUC	404.6	308	Pn	9:14:22.43			-0.28*
			Sn		15:04.65		-1.27*
CRES	417.1	254	Pn	9:14:23.50			-0.77*
			Sn		15:06.75		-1.94*
PERS	425.4	267	Pn	9:14:25.11			-0.20*
SOKA	431.5	268	Pn	9:14:25.60			-0.46*
MLR	433.5	110	Pn	9:14:26.45			0.14*
ABNA	443.1	297	Pn	9:14:27.95			0.44*
			Sn		15:13.29		-1.16*
KRLC	461.6	321	Pn	9:14:30.08			0.27*
TREC	473.9	305	ePn	9:14:30.50			-0.85*
			eSn		15:19.50		-1.79*
VRI	478.1	103	Pn	9:14:32.33			0.46*
MOA	497.4	283	Pn	9:14:34.72			0.44*
UPC	533.9	320	ePn	9:14:38.90			0.07*
MYKA	538.1	268	Sn	9:15:35.56			0.01*
BIOA	541.1	280	Pn	9:14:40.20			0.47*
PRA	585.6	308	ePn	9:14:46.40			1.12*
LESA	610.5	276	Pn	9:14:48.44			0.06*
ABTA	623.4	269	Sn	9:15:54.10			-0.37*
WTTA	688.6	274	Pn	9:14:57.71			-0.41*
WATA	693.3	275	Pn	9:14:58.10			-0.60*
NKC	715.8	302	ePn	9:15:01.50			-0.01*
SQTA	721.0	273	Pn	9:15:02.33			0.17*
RETA	755.3	276	Pn	9:15:06.55			0.12*
FETA	757.8	272	Pn	9:15:08.48			1.73*
DAVA	821.7	274	Pn	9:15:14.24			-0.48*

Földrengés paraméterek

Hypocenter Parameters



1117.

2023-08-19 time: 9:16:38.57 UTC ML= 4.2
 lat: 46.847N lon: 20.655E h= 19.2 km
 erh= 1.0km erz= 1.7km
 nr= 63 gap= 41 rms=0.55
 Locality: Csabacsüd
 Comments: felt 5-6 MIS/IIS

sta	dist	azm	phase	hr	mn	sec	res
BSZH	58.3	330	P*U	9:16:49.39		0.00	
			S*	16:59.33		1.50	
PKSN	60.3	275	P*D	9:16:49.55		-0.15	
			S*	16:59.20		0.83	
PKS6	87.8	252	P*	9:16:53.78		-0.10	
			S*	17:06.22		0.41	
LTVH	111.9	58	Pn	9:16:56.76		-0.35	
			Sn	17:12.58		1.02	
PKS7	115.9	281	Pn	9:16:57.45		-0.16	
			Sn	17:12.27		-0.18	
PKS2	117.2	250	Pn	9:16:57.78		0.01	
			Sn	17:13.34		0.60	
PKB3	121.3	247	Pn	9:16:57.96		-0.32	
			Sn	17:13.45		-0.20	
SF5A	122.4	308	Pn	9:16:58.53		0.11	
TIM	130.9	161	Pn	9:17:00.09		0.61	
			Sn	17:17.89		2.10	
PSZ	132.2	334	Pn	9:16:59.15		-0.49	
			Sn	17:15.60		-0.48	
PBUD	142.3	299	Sn	9:17:18.61		0.30	
PKB1	142.3	267	Pn	9:17:00.56		-0.34	
BUD	142.5	300	Pn	9:17:00.27		-0.65	
			Sn	17:17.34		-1.02	
PENC	147.6	315	Pn	9:17:01.93		0.37	
PKB5	149.4	259	Pn	9:17:01.53		-0.25	
			Sn	17:19.85		-0.03	
BZS	155.6	152	Pn	9:17:02.48		-0.08	
			Sn	17:21.24		-0.03	
DRGR	157.1	92	Pn	9:17:02.41		-0.33	
			Sn	17:21.44		-0.15	
PKB4	161.7	256	Pn	9:17:02.87		-0.45	
SURR	166.1	137	Pn	9:17:03.84		-0.03	
			Sn	17:22.52		-1.08	
BANR	167.0	167	Pn	9:17:04.63		0.65	
ABAH	167.0	15	Pn	9:17:04.68		0.70	
MORH	169.5	246	Pn	9:17:03.61		-0.68	
PKSM	169.8	245	Pn	9:17:03.61		-0.73	
PKSG	182.2	289	Pn	9:17:06.07		0.20	
KECS	182.4	356	Pn	9:17:05.96		0.06	

PKS9	183.9	261	Pn	9:17:05.76		-0.33	
CSKK	190.6	288	Pn	9:17:07.43		0.51	
			Sn	17:29.18		0.15	
FRGS	201.2	199	Pn	9:17:09.10		0.86	
TRPA	201.3	45	Pn	9:17:07.15		-1.11	
DEV	203.5	122	Sn	9:17:30.77		-1.13	
PKST	204.3	283	Pn	9:17:09.64		1.01	
SRO	207.0	301	Pn	9:17:09.76		0.79	
			Sn	17:32.98		0.30	
PKSV	213.4	240	Pn	9:17:09.21		-0.55	
KOVH	213.6	247	Pn	9:17:09.22		-0.57	
CJR	225.3	94	Pn	9:17:12.14		0.89	
GZR	230.2	135	Pn	9:17:12.50		0.63	
			Sn	17:37.31		-0.52	
BMR	233.9	67	Pn	9:17:12.96		0.64	
MUKU	235.0	41	Pn	9:17:11.68		-0.78	
MPLH	239.6	279	Pn	9:17:14.14		1.11	
			Sn	17:39.97		0.06	
EGYH	260.0	284	Pn	9:17:17.16		1.59	
MEZ	283.6	49	Pn	9:17:18.70		0.18	
DJES	285.9	149	Pn	9:17:18.49		-0.32	
			Sn	17:48.94		-1.25	
NIE	287.1	355	Pn	9:17:20.44		1.48	
STHS	289.1	9	ePn	9:17:21.70		2.50*	
RAKU	296.5	64	Pn	9:17:19.83		-0.30	
BEHE	299.9	262	Pn	9:17:20.24		-0.31*	
SMOL	305.0	307	Pn	9:17:20.75		-0.44*	
MODS	305.4	304	Pn	9:17:21.77		0.53*	
			Sn	17:53.56		-0.97*	
ZST	306.7	299	Pn	9:17:21.73		0.33*	
			Sn	17:54.38		-0.43*	
JAVC	316.1	315	Pn	9:17:23.28		0.71*	
SOP	323.7	287	Pn	9:17:23.74		0.22*	
			Sn	17:57.81		-0.76*	
RONA	343.2	286	Pn	9:17:26.15		0.20*	
			Sn	18:02.94		0.05*	
WINA	372.7	292	Pn	9:17:30.11		0.48*	
			Sn	18:09.30		-0.15*	
VOIR	374.0	115	Pn	9:17:30.87		1.08*	
			Sn	18:09.09		-0.65*	
ZAG	376.3	252	Sn	9:18:08.52		-1.72*	
PTJ	376.4	254	Pn	9:17:29.77		-0.32*	
OJC	380.3	350	Pn	9:17:29.47		-1.11*	
CONA	381.4	288	Pn	9:17:30.70		-0.01*	
			Sn	18:11.39		0.02*	
ARSA	392.5	277	Pn	9:17:32.25		0.15*	
			Sn	18:13.96		0.11*	
GROS	396.8	264	Pn	9:17:31.89		-0.74*	
			Sn	18:14.06		-0.73*	
MORC	399.3	325	Pn	9:17:33.46		0.52*	
KRUC	402.3	308	Pn	9:17:33.05		-0.27*	
			Sn	18:15.29		-0.74*	
VRAC	408.0	312	Pn	9:17:34.14		0.11*	
			Sn	18:16.46		-0.83*	
CRES	416.0	254	Pn	9:17:33.98		-1.05*	
			Sn	18:16.73		-2.33*	
PERS	423.9	267	Pn	9:17:35.89		-0.12*	
			Sn	18:20.27		-0.54*	
SOKA	429.9	267	Pn	9:17:36.62		-0.14*	
ABNA	440.9	297	Pn	9:17:38.52		0.39*	
			Sn	18:23.96		-0.62*	
KRLC	459.3	321	Sn	9:18:27.77		-0.90*	
OBKA	468.7	265	Pn	9:17:42.12		0.52*	
			Sn	18:31.63		0.87*	
VRI	480.0	103	Pn	9:17:43.45		0.45*	
MOA	495.5	283	Pn	9:17:47.05		2.11*	
			Sn	18:37.47		0.77*	
MYKA	536.5	267	Pn	9:17:53.00		2.94*	
			Sn	18:46.70		0.88*	
BIOA	539.2	280	Pn	9:17:51.49		1.10*	
			Sn	18:46.30		-0.11*	
KBA	557.0	273	Pn	9:17:53.06		0.45*	
LESA	608.6	276	Pn	9:18:00.01		0.96*	
			Sn	19:02.66		0.84*	
ABTA	621.7	269	Pn	9:18:22.90		22.22*	

Hypocenter Parameters

Földrengés paraméterek

		Sn	19:05.14	0.41*	
WTTA	686.8	274	Pn	9:18:10.43	1.64*
		Sn	19:19.58	0.42*	
WATA	691.5	275	Pn	9:18:10.96	1.59*
SQTA	719.2	273	Pn	9:18:14.11	1.28*
RETA	753.4	275	Pn	9:18:18.06	0.96*
FETA	756.1	271	Pn	9:18:18.96	1.52*
DAVA	819.9	273	Pn	9:18:25.93	0.54*

1118.

2023-08-19 time: 9:17:50.36 UTC ML= 3.4
 lat: 46.824N lon: 20.838E h= 12.1 km
 erh= 5.8km erz= 2.8km
 nr= 13 gap=278 rms=0.80
 Locality: Hunya
 Comments: felt 4-5 MIS/IIS

sta	dist	azm	phase	hr mn sec	res
BSZH	68.4	321	Pg	9:18:02.75	-0.01
			Sg	18:14.16	1.73
PKSN	74.5	276	Pg	9:18:03.30	-0.53
			Sg	18:14.76	0.42
PKS6	100.5	256	P*	9:18:07.62	-0.65
			S*	18:21.10	-1.14
PKS2	129.8	253	Pn	9:18:12.35	0.32
			Sn	18:28.57	-0.36
PKB3	133.5	251	Sn	9:18:29.43	-0.34
PSZ	141.0	330	Sn	9:18:30.75	-0.68
PKB4	174.9	258	Sn	9:18:40.10	1.16
MORH	181.4	248	Sn	9:18:41.84	1.44
PKSM	181.8	248	Sn	9:18:42.32	1.83

1119.

2023-08-19 time: 9:37:25.25 UTC ML= 2.0
 lat: 46.840N lon: 20.696E h= 12.7 km
 erh= 2.9km erz= 2.7km
 nr= 22 gap= 94 rms=0.92
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	60.6	327	Sg	9:37:46.77	1.85
PKSN	63.5	276	Pg	9:37:36.93	0.12
			Sg	37:47.40	1.57
PKS6	90.5	253	P*	9:37:40.40	-1.17
			S*	37:53.45	-0.86
PKS7	119.1	281	Sn	9:38:00.38	-0.93
PKS2	119.9	251	Pn	9:37:44.80	-0.80
			Sn	38:00.69	-0.79
PKB3	123.9	248	Sn	9:38:00.20	-2.17
PSZ	134.3	333	Pn	9:37:46.14	-1.26
			Sn	38:03.29	-1.38
PKB1	145.4	268	Pn	9:37:48.97	0.18
BZS	153.5	152	Pn	9:37:51.02	1.23
DRGR	153.9	92	Pn	9:37:49.91	0.06
			Sn	38:09.43	0.40
ABAH	166.9	14	Pn	9:37:52.47	1.00
MORH	172.0	246	Pn	9:37:52.59	0.48
			Sn	38:13.91	0.86
PKSM	172.4	246	Pn	9:37:52.63	0.48
			Sn	38:14.07	0.93
PKSG	185.4	289	Sn	9:38:16.25	0.24
GZR	227.5	135	Pn	9:37:58.61	-0.41

1120.

2023-08-19 time: 9:38:01.19 UTC ML= 2.1
 lat: 46.864N lon: 20.705E h= 14.3 km
 erh= 4.2km erz= 2.6km
 nr= 11 gap=152 rms=0.69
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	64.0	273	Pg	9:38:12.96	0.06
			Sg	38:22.79	0.76
PKS6	92.0	251	P*	9:38:16.63	-0.97
			S*	38:29.40	-0.99
PKS2	121.4	250	Sn	9:38:36.99	-0.42
PKB3	125.6	247	Sn	9:38:38.29	-0.03
PSZ	132.3	332	Pn	9:38:22.99	0.10
			Sn	38:39.94	0.13
DRGR	153.2	93	Sn	9:38:45.45	0.98
MORH	173.8	246	Sn	9:38:50.13	1.11
PKSM	174.1	245	Sn	9:38:50.33	1.23

1121.

2023-08-19 time: 9:39:51.67 UTC ML= 2.0
 lat: 46.874N lon: 20.729E h= 12.4 km
 erh= 4.1km erz= 2.6km
 nr= 10 gap=152 rms=0.64
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	65.7	272	Pg	9:40:03.64	0.02
			Sg	40:13.55	0.62
PKS6	94.1	251	P*	9:40:07.81	-0.77
			S*	40:20.48	-1.28
PSZ	132.1	332	Sn	9:40:30.31	-0.38
DRGR	151.5	93	Pn	9:40:16.31	0.29
			Sn	40:35.74	0.73
PKB4	167.9	256	Sn	9:40:39.12	0.47
MORH	175.9	245	Sn	9:40:41.33	0.92
PKSM	176.2	245	Sn	9:40:41.17	0.67

1122.

2023-08-19 time: 9:41:17.50 UTC ML= 1.8
 lat: 46.860N lon: 20.718E h= 13.3 km
 erh= 3.6km erz= 2.5km
 nr= 13 gap=153 rms=0.70
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	65.0	274	Pg	9:41:29.27	-0.07
			Sg	41:39.81	1.24
PKS6	92.8	252	P*	9:41:33.13	-0.98
			S*	41:45.95	-1.12
PSZ	133.1	332	Pn	9:41:39.11	-0.31
			Sn	41:55.94	-0.58
DRGR	152.3	93	Pn	9:41:42.41	0.59
			Sn	42:00.90	0.11
PKB4	166.7	256	Sn	9:42:04.83	0.84
MORH	174.5	246	Sn	9:42:06.33	0.63
PKSM	174.8	246	Pn	9:41:44.69	0.06
			Sn	42:06.33	0.54
PKSG	186.2	289	Sn	9:42:09.47	1.16

1123.

2023-08-19 time: 10:16:05.89 UTC ML= 2.1
 lat: 46.753N lon: 20.956E h= 12.5 km
 erh= 4.0km erz= 1.9km
 nr= 7 gap=209 rms=0.36
 Locality: Kamut
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	84.6	281	Pg	10:16:21.11	-0.05
			Sg	16:33.22	0.14
LTVH	100.4	46	S*	10:16:37.75	0.08
PKS6	107.8	261	Sn	10:16:39.60	0.09
PKB3	139.9	255	Sn	10:16:46.27	-0.34
PSZ	152.4	328	Sn	10:16:49.23	-0.17
PKB4	182.4	261	Sn	10:16:59.82	3.76

Földrengés paraméterek

Hypocenter Parameters

1124.

2023-08-19 time: 10:17:30.80 UTC ML= 2.0
 lat: 46.794N lon: 20.745E h= 15.8 km
 erh= 2.4km erz= 1.9km
 nr= 20 gap= 95 rms=0.68
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	66.9	327	Pg	10:17:43.08			0.00
			Sg		17:53.32		0.67
PKSN	67.9	280	Pg	10:17:42.32			-0.94
			Sg		17:53.13		0.16
PKS6	92.8	257	S*	10:17:59.67			-0.31
PKS2	122.0	254	Pn	10:17:50.69			-0.34
			Sn		18:07.18		0.38
PKS7	123.9	283	Sn	10:18:06.36			-0.86
PKB3	125.7	251	Sn	10:18:07.87			0.25
PSZ	140.5	333	Pn	10:17:53.03			-0.31
			Sn		18:09.90		-1.01
BZS	147.2	153	Pn	10:17:53.76			-0.41
DRGR	150.1	90	Pn	10:17:54.78			0.24
			Sn		18:12.71		-0.34
PKB4	167.2	259	Sn	10:18:18.69			1.85
ABAH	171.1	13	Pn	10:17:58.32			1.18
MORH	173.6	248	Pn	10:17:57.95			0.49
			Sn		18:21.44		3.19
PKSM	174.0	248	Pn	10:17:57.65			0.14
			Sn		18:21.48		3.14

1125.

2023-08-19 time: 10:18:18.57 UTC ML= 1.9
 lat: 46.832N lon: 20.744E h= 12.1 km
 erh= 3.6km erz= 2.4km
 nr= 14 gap=155 rms=0.74
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	63.4	325	Pg	10:18:29.57			-0.52
			Sg		18:41.17		2.10
PKSN	67.2	276	Pg	10:18:30.27			-0.49
			Sg		18:41.36		1.08
PKS6	93.8	254	S*	10:18:47.89			-0.73
PKS7	122.9	281	Sn	10:18:55.09			-0.53
PKS2	123.1	252	Sn	10:18:55.13			-0.54
PKB3	127.0	249	Sn	10:18:56.18			-0.35
PSZ	136.8	332	Pn	10:18:41.00			-0.11
			Sn		18:57.72		-0.98
DRGR	150.2	92	Pn	10:18:43.21			0.42
MORH	175.1	247	Sn	10:19:08.16			0.96
			Pn	10:18:46.86			0.92
PKSM	175.4	247	Pn	10:18:46.86			0.92
			Sn		19:08.08		0.80

1126.

2023-08-19 time: 10:36:19.77 UTC ML= 2.0
 lat: 46.821N lon: 20.735E h= 11.6 km
 erh= 1.8km erz= 1.4km
 nr= 25 gap= 94 rms=0.63
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	64.0	326	Pg	10:36:31.04			-0.35
			Sg		36:42.13		1.68
PKSN	66.7	277	Pg	10:36:31.27			-0.59
			Sg		36:42.52		1.23
PKS6	92.8	255	Pg	10:36:36.23			-0.25
			Sg		36:48.50		-1.00
PKS2	122.1	253	Sn	10:36:56.13			-0.61
PKS7	122.5	282	Sn	10:36:56.05			-0.78

PKB3	126.0	249	Sn	10:36:57.15			-0.45
PSZ	137.5	333	Pn	10:36:42.76			0.29
			Sn		36:58.81		-1.36
BZS	150.2	153	Pn	10:36:44.49			0.45
			Sn		37:02.50		-0.47
DRGR	150.9	91	Pn	10:36:43.91			-0.22
			Sn		37:02.50		-0.63
PKB4	167.1	258	Pn	10:36:46.93			0.78
			Sn		37:06.99		0.27
ABAH	168.3	13	Sn	10:37:07.08			0.07
MORH	174.0	247	Pn	10:36:47.52			0.51
			Sn		37:08.86		0.60
PKSM	174.4	247	Pn	10:36:47.23			0.17
			Sn		37:09.06		0.72
PKSG	188.9	290	Sn	10:37:11.83			0.25
GZR	223.8	135	Pn	10:36:54.08			0.85
			Sn		37:19.52		0.20

1127.

2023-08-19 time: 10:36:53.31 UTC ML= 2.2
 lat: 46.781N lon: 20.840E h= 11.8 km
 erh= 5.6km erz= 2.7km
 nr= 11 gap=279 rms=0.65
 Locality: Kondoros
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	72.3	323	Pg	10:37:06.66			0.28
			Sg		37:17.13		0.55
PKSN	75.3	280	Pg	10:37:06.59			-0.33
			Sg		37:17.60		0.06
PKS6	99.6	258	P*	10:37:11.23			0.12
PKS2	128.7	256	S*	37:23.89			-1.10
			Sn	10:37:32.10			0.40
PKB3	132.2	253	Sn	10:37:31.84			-0.64
PSZ	145.3	331	Sn	10:37:34.08			-1.30
MORH	179.9	250	Sn	10:37:44.60			1.53
PKSM	180.3	249	Sn	10:37:44.46			1.31

1128.

2023-08-19 time: 10:51:12.80 UTC ML= 3.0
 lat: 46.812N lon: 20.664E h= 12.7 km
 erh= 3.2km erz= 2.5km
 nr= 54 gap= 90 rms=1.49
 Locality: Csabacsüd
 Comments: felt 4-5 MIS/IIS

sta	dist	azm	phase	hr	mn	sec	res
PKSN	61.5	279	Pg	10:51:23.89			-0.12
			Sg		51:33.04		0.28
BSZH	62.0	331	PgU	10:51:23.75			-0.35
			Sg		51:34.07		1.16
PKS6	87.4	254	Pg	10:51:27.96			-0.60
			Sg		51:40.33		-0.53
LTVH	113.4	56	Pn	10:51:30.98			-1.37
			Sn		51:46.30		-1.30
PKS2	116.7	252	Pn	10:51:31.89			-0.87
			Sn		51:47.63		-0.70
PKS7	117.4	283	Pn	10:51:33.39			0.53
			Sn		51:47.00		-1.50
PKB3	120.6	249	Pn	10:51:32.21			-1.04
			Sn		51:47.66		-1.54
PSZ	136.0	335	Pn	10:51:33.57			-1.60
			Sn		51:51.63		-0.99
PKB1	143.0	269	Pn	10:51:35.19			-0.85
			Sn		51:55.83		1.66
PBUD	144.8	300	Sn	10:51:54.39			-0.19
BUD	145.1	301	Sn	10:51:53.88			-0.76
PKB5	149.5	261	PnD	10:51:35.70			-1.15
			Sn		51:57.82		2.21
PENC	150.9	316	Pn	10:51:38.44			1.42
			Sn		51:58.28		2.36
BZS	151.9	151	Pn	10:51:37.33			0.18

Hypocenter Parameters

Földrengés paraméterek

DRGR 156.3 91	PnU	10:51:36.57	-1.13
	Sn	51:57.52	0.40
PKB4 161.6 257	Pn	10:51:39.69	1.33
	Sn	51:56.75	-1.55
MORH 168.6 247	PnD	10:51:37.65	-1.59
	Sn	52:02.54	2.68
PKSM 169.0 247	PnD	10:51:37.74	-1.55
	Sn	52:02.95	3.00
ABAH 170.5 15	Pn	10:51:41.08	1.60
	Sn	51:59.44	-0.85
PKS9 184.2 262	Pn	10:51:39.97	-1.21
	Sn	52:07.48	4.17
PKSG 184.2 290	Pn	10:51:44.05	2.87
KECS 186.2 356	Pn	10:51:40.54	-0.89
CSKK 192.5 289	Pn	10:51:42.12	-0.10
TRPA 203.6 44	Pn	10:51:46.58	2.98
SRO 209.7 302	Pn	10:51:44.13	-0.23
	Sn	52:07.93	-1.05
TIH 211.6 273	Pn	10:51:44.24	-0.35
PKSV 212.2 241	Pn	10:51:48.47	3.80
KOVH 212.9 248	Pn	10:51:47.95	3.20
	Sn	52:15.23	5.55
TRSU 224.1 50	Pn	10:51:49.57	3.41
CJR 224.4 93	Pn	10:51:50.18	3.99
	Sn	52:17.38	5.14
GZR 227.1 134	Pn	10:51:46.54	0.02
BRIU 245.3 46	Pn	10:51:46.80	-2.00
EGYH 261.7 285	Sn	10:52:20.20	-0.32
STHS 292.8 8	Pn	10:51:54.38	-0.34
MODS 308.3 304	Pn	10:51:56.12	-0.53*
SOP 325.6 287	Pn	10:51:57.76	-1.05*
RONA 345.0 287	Pn	10:52:00.46	-0.77*
	Sn	52:36.83	-2.19*
WINA 374.9 293	Pn	10:52:04.32	-0.64*
	Sn	52:43.24	-2.41*
CONA 383.4 289	Pn	10:52:05.19	-0.83*
	Sn	52:45.47	-2.06*
ARSA 393.8 277	Pn	10:52:07.34	0.02*
	Sn	52:47.75	-2.09*
MORC 402.9 325	Pn	10:52:07.39	-1.06*
SOKA 430.6 268	Pn	10:52:10.73	-1.18*
	Sn	52:55.45	-2.56*
ABNA 443.4 298	Pn	10:52:12.78	-0.72*
	Sn	52:59.30	-1.55*
BIOA 540.8 280	Pn	10:52:25.93	0.29*

1129.

2023-08-19 time: 11:17:04.42 UTC ML= 2.1
 lat: 46.806N lon: 20.715E h= 10.9 km
 erh= 2.5km erz= 2.1km
 nr= 34 gap= 95 rms=1.08
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	64.6	328	Pg	11:17:15.85			-0.27
			Sg	17:26.02			0.78
PKSN	65.5	279	Pg	11:17:15.60			-0.68
			Sg	17:26.53			1.01
PKS6	91.0	255	Pg	11:17:19.99			-0.79
			Sg	17:32.34			-1.21
PKS2	120.2	253	Sn	11:17:40.43			-0.72
PKS7	121.4	283	Sn	11:17:39.62			-1.80
PKB3	124.0	250	Pn	11:17:25.03			-0.50
			Sn	17:40.43			-1.56
PSZ	138.3	333	Pn	11:17:26.32			-1.00
			Sn	17:43.11			-2.06
PKB1	146.9	269	Sn	11:17:47.76			0.69
BZS	149.4	152	Pn	11:17:28.71			0.01
			Sn	17:47.02			-0.61
DRGR	152.4	91	Pn	11:17:30.35			1.28
			Sn	17:48.14			-0.15
PENC	154.1	315	Sn	11:17:50.35			1.69
SURR	159.6	137	Pn	11:17:29.70			-0.27

	Sn	17:48.24	-1.65
PKB4 165.3 258	Pn	11:17:32.50	1.82
	Sn	17:52.52	1.37
ABAH 170.3 13	Pn	11:17:33.13	1.83
	Sn	17:51.99	-0.27
MORH 172.0 248	Pn	11:17:31.44	-0.07
	Sn	17:52.48	-0.16
PKSM 172.4 247	Pn	11:17:31.99	0.43
	Sn	17:52.88	0.15
KECS 187.3 355	Sn	11:17:55.42	-0.61
PKS9 188.0 263	Sn	11:17:59.17	2.98
PKSG 188.1 290	Sn	11:17:55.81	-0.41
CSKK 196.4 288	Pn	11:17:35.25	0.69
KOVH 216.2 248	Pn	11:17:40.00	2.97
	Sn	18:07.89	5.42*
GZR 223.8 135	Pn	11:17:38.27	0.30

1130.

2023-08-19 time: 11:26:45.65 UTC ML= 1.8
 lat: 46.815N lon: 20.732E h= 12.1 km
 erh= 4.0km erz= 2.9km
 nr= 14 gap=156 rms=0.84
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	64.4	327	Pg	11:26:57.58			0.22
			Sg	27:07.76			1.27
PKSN	66.6	278	Pg	11:26:56.59			-1.14
			Sg	27:08.31			1.15
PKS6	92.4	255	Sg	11:27:14.44			-0.84
PKS2	121.7	253	Sn	11:27:23.17			0.75
PKB3	125.5	250	Sn	11:27:22.15			-1.12
PSZ	138.0	333	Pn	11:27:07.88			-0.46
			Sn	27:24.36			-1.68
DRGR	151.1	91	Pn	11:27:10.67			0.70
MORH	173.5	247	Pn	11:27:13.03			0.26
			Sn	27:34.74			0.82
PKSM	173.9	247	Pn	11:27:13.03			0.21
			Sn	27:34.47			0.47

1131.

2023-08-19 time: 11:28:45.12 UTC ML= 1.8
 lat: 46.830N lon: 20.722E h= 11.8 km
 erh= 2.7km erz= 1.9km
 nr= 20 gap= 94 rms=0.85
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.6	327	Sg	11:29:06.03			0.67
PKSN	65.6	277	Pg	11:28:57.06			0.04
			Sg	29:07.52			1.23
PKS6	92.1	254	Pg	11:29:00.99			-0.71
			Sg	29:13.81			-0.83
PKS7	121.3	281	Sn	11:29:21.21			-0.66
PKS2	121.4	252	Sn	11:29:21.04			-0.86
PKB3	125.4	249	Sn	11:29:21.84			-0.93
PSZ	136.2	333	Sn	11:29:23.73			-1.44
BZS	151.5	153	Pn	11:29:11.16			1.62
DRGR	151.9	92	Pn	11:29:08.86			-0.73
			Sn	29:28.68			0.01
PENC	152.5	314	Sn	11:29:28.58			-0.22
PKB4	166.3	257	Sn	11:29:32.54			0.68
ABAH	167.6	13	Sn	11:29:34.35			2.20
MORH	173.4	247	Pn	11:29:12.21			-0.06
			Sn	29:34.19			0.75
PKSM	173.8	247	Pn	11:29:12.28			-0.04
			Sn	29:34.27			0.74
PKSG	187.6	289	Sn	11:29:37.66			1.07

Földrengés paraméterek

Hypocenter Parameters

1132.

 2023-08-19 time: 11:33:28.94 UTC ML= 2.2
 lat: 46.940N lon: 20.693E h= 11.3 km
 erh= 3.4km erz= 2.0km
 nr= 7 gap=147 rms=0.41
 Locality: Gyomaendrőd
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	63.1	266	Pg	11:33:	39.90		-0.48
			Sg		33:50.13		0.82
PSZ	124.4	331	Sn	11:34:	06.50		0.02
PKB1	146.0	263	Sn	11:34:	11.24		-0.04
DRGR	154.7	96	Sn	11:34:	13.58		0.35
PKB4	167.2	253	Sn	11:34:	16.10		0.11
PKSM	176.9	243	Sn	11:34:	18.06		-0.08

1133.

 2023-08-19 time: 11:56:01.23 UTC ML= 2.2
 lat: 46.842N lon: 20.689E h= 13.7 km
 erh= 2.6km erz= 2.5km
 nr= 36 gap= 94 rms=1.09
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	60.1	328	Pg	11:56:	11.87		-0.37
			Sg		56:21.46		0.63
PKSN	62.9	276	Sg	11:56:	22.85		1.15
PKS6	90.1	253	P*	11:56:	15.95		-1.44
			S*		56:29.19		-0.82
PKS7	118.6	281	Sn	11:56:	35.96		-0.99
PKS2	119.4	251	Sn	11:56:	36.43		-0.71
PKB3	123.5	248	Pn	11:56:	20.70		-1.21
			Sn		56:37.37		-0.67
PSZ	133.9	333	Pn	11:56:	22.25		-0.95
			Sn		56:38.75		-1.60
PKB1	144.9	267	Pn	11:56:	24.06		-0.52
			Sn		56:43.51		0.72
PENC	149.8	315	Sn	11:56:	45.33		1.45
PKB5	151.8	260	Pn	11:56:	25.45		0.01
			Sn		56:44.91		0.58
BZS	153.9	152	Pn	11:56:	27.97		2.27
			Sn		56:46.71		1.93
DRGR	154.4	92	Pn	11:56:	25.69		-0.08
			Sn		56:45.33		0.42
SURR	163.9	138	Pn	11:56:	25.69		-1.26
PKB4	164.1	256	Pn	11:56:	26.78		-0.20
			Sn		56:47.51		0.45
ABAH	166.9	14	Pn	11:56:	28.27		0.95
			Sn		56:48.99		1.31
MORH	171.6	246	Pn	11:56:	27.18		-0.73
			Sn		56:49.44		0.72
PKSM	172.0	246	Pn	11:56:	31.36		3.40
			Sn		56:49.49		0.68
KECS	183.1	355	ePn	11:56:	30.40		1.06
PKSG	184.8	289	Sn	11:56:	52.01		0.36
PKS9	186.4	261	Pn	11:56:	29.50		-0.26
			Sn		56:57.70		5.69*
KOVH	215.8	247	Pn	11:56:	34.51		1.09
GZR	228.0	135	Pn	11:56:	34.40		-0.54
			Sn		57:00.22		-1.01
MPLH	242.3	279	Sn	11:57:	04.18		-0.23

1134.

 2023-08-19 time: 12:00:53.33 UTC ML= 2.4
 lat: 46.803N lon: 20.714E h= 10.4 km
 erh= 2.4km erz= 2.0km
 nr= 41 gap= 90 rms=1.07
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	64.9	328	Pg	12:01:	04.63		-0.43
			Sg		01:15.20		0.99
PKSN	65.4	279	Pg	12:01:	04.43		-0.72
			Sg		01:15.41		1.03
PKS6	90.7	256	Pg	12:01:	08.87		-0.77
			Sg		01:21.40		-0.96
LTVH	111.0	54	Sn	12:01:	27.05		-1.06
PKS2	120.0	253	Pn	12:01:	13.35		-0.64
			Sn		01:28.49		-1.61
PKS7	121.4	283	Sn	12:01:	29.19		-1.23
PKB3	123.7	250	Pn	12:01:	14.03		-0.43
			Sn		01:30.16		-0.78
PSZ	138.6	333	Pn	12:01:	15.26		-1.06
			Sn		01:31.73		-2.52
PKB1	146.7	269	Pn	12:01:	17.34		0.01
			Sn		01:35.99		-0.06
BZS	149.1	152	Pn	12:01:	18.05		0.43
			Sn		01:36.22		-0.35
DRGR	152.5	90	Pn	12:01:	17.10		-0.95
			Sn		01:35.67		-1.66
PKB5	153.0	261	Sn	12:01:	39.20		1.75
SURR	159.4	137	Pn	12:01:	20.47		1.56
			Sn		01:37.81		-1.05
PKB4	165.1	258	Pn	12:01:	19.92		0.31
			Sn		01:40.64		0.52
ABAH	170.7	13	Pn	12:01:	20.64		0.33
			Sn		01:41.04		-0.33
MORH	171.7	248	Pn	12:01:	20.62		0.18
			Sn		01:41.93		0.34
PKSM	172.1	248	Pn	12:01:	20.77		0.28
			Sn		01:42.58		0.91
KECS	187.6	355	ePn	12:01:	23.90		1.47
PKS9	187.8	263	Pn	12:01:	23.22		0.77
			Sn		01:46.03		0.87
PKSG	188.2	290	Sn	12:01:	45.98		0.74
CSKK	196.5	288	Sn	12:01:	48.32		1.24
TRPA	201.8	43	Pn	12:01:	27.45		3.25
PKST	209.9	284	Sn	12:01:	51.52		1.45
PKSV	215.0	242	Pn	12:01:	30.03		4.19
KOVH	216.0	248	Pn	12:01:	27.86		1.90
GZR	223.6	134	Pn	12:01:	30.32		3.41

1135.

 2023-08-19 time: 12:02:11.69 UTC ML= 2.2
 lat: 46.841N lon: 20.703E h= 16.1 km
 erh= 2.8km erz= 2.5km
 nr= 18 gap= 96 rms=0.82
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	60.8	327	Pg	12:02:	22.31		-0.61
			Sg		02:32.57		0.89
PKSN	64.0	276	Pg	12:02:	22.81		-0.66
			Sg		02:34.09		1.42
PKS6	91.1	253	P*	12:02:	27.09		-0.69
			S*		02:39.60		-0.74
PKS2	120.4	251	Sn	12:02:	47.63		0.35
PKB3	124.5	248	Pn	12:02:	32.22		0.04
			Sn		02:48.19		0.02
PSZ	134.4	333	Pn	12:02:	33.23		-0.20
			Sn		02:49.59		-0.80
BZS	153.3	153	Pn	12:02:	35.65		-0.12
			Sn		02:54.39		-0.17
DRGR	153.4	92	Pn	12:02:	36.69		0.90
			Sn		02:53.72		-0.86
SURR	163.1	138	Sn	12:02:	58.59		1.85
PKB4	165.2	257	Sn	12:02:	59.74		2.54
ABAH	166.7	14	Sn	12:02:	59.82		2.27

Hypocenter Parameters

1136.

2023-08-19 time: 12:18:38.33 UTC ML= 2.9
 lat: 46.795N lon: 20.662E h= 12.8 km
 erh= 2.6km erz= 2.2km
 nr= 55 gap= 91 rms=1.30
 Locality: Csabacsúd
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	61.7	281	Pg	12:18:49.47			-0.11
			Sg	18:59.11			0.76
BSZH	63.7	332	Pg	12:18:49.12			-0.81
			Sg	18:59.06			0.09
PKS6	86.7	256	Pg	12:18:53.76			-0.22
			Sg	19:06.30			0.12
LTVH	114.7	55	Pn	12:18:57.79			-0.24
			Sn	19:12.85			-0.55
PKS2	115.9	253	Pn	12:18:58.01			-0.17
			Sn	19:12.95			-0.71
PKS7	117.7	284	Pn	12:18:58.80			0.39
			Sn	19:12.16			-1.91
PKB3	119.7	250	Pn	12:18:57.78			-0.88
			Sn	19:13.29			-1.22
PSZ	137.7	335	Pn	12:18:59.54			-1.36
			Sn	19:17.08			-1.43
PKB1	142.8	270	Pn	12:19:00.54			-0.99
			Sn	19:20.62			0.99
PBUD	145.7	301	Sn	12:19:20.67			0.39
BUD	146.0	302	Sn	12:19:20.61			0.27
PKB5	149.0	261	Pn	12:19:03.81			1.50
			Sn	19:19.66			-1.35
BZS	150.3	151	Pn	12:19:02.84			0.37
			Sn	19:21.23			-0.06
PENC	152.2	317	Pn	12:19:02.32			-0.39
			Sn	19:21.71			-0.01
DRGR	156.5	90	Pn	12:19:02.88			-0.36
			Sn	19:22.20			-0.47
PKB4	161.0	258	Pn	12:19:05.27			1.46
			Sn	19:22.41			-1.27
SURR	161.5	136	Pn	12:19:03.69			-0.18
MORH	167.7	247	Pn	12:19:03.31			-1.33
			Sn	19:23.11			-2.05
PKSM	168.1	247	Pn	12:19:03.49			-1.20
			Sn	19:23.82			-1.42
ABAH	172.5	15	Pn	12:19:05.53			0.29
PKS9	183.7	263	Pn	12:19:05.94			-0.70
			Sn	19:27.59			-1.13
PKSG	184.8	291	Pn	12:19:09.56			2.79
			Sn	19:31.14			2.19
KECS	188.2	356	Pn	12:19:06.40			-0.80
CSKK	193.0	289	Pn	12:19:09.97			2.17
			Sn	19:33.72			2.94
TRPA	205.2	44	Pn	12:19:13.89			4.58
PKST	206.3	284	Pn	12:19:09.71			0.26
			Sn	19:38.62			4.89
SRO	210.6	303	Pn	12:19:09.81			-0.19
			Sn	19:39.26			4.57
PKSV	211.1	242	Pn	12:19:14.40			4.35
			Sn	19:40.81			6.02*
KOVH	212.0	248	Pn	12:19:13.92			3.76
GZR	225.9	134	Pn	12:19:12.56			0.67
			Sn	19:37.84			-0.23
MPLH	241.2	280	Pn	12:19:19.45			5.65
STHS	294.8	8	ePn	12:19:21.70			1.22
RAKU	298.8	62	Pn	12:19:19.75			-1.24*
SMOL	309.1	308	Pn	12:19:28.52			6.25*
MODS	309.3	305	Pn	12:19:21.69			-0.60*
ZST	310.2	300	eSn	12:19:53.20			-3.59*
RONA	345.5	287	Pn	12:19:26.18			-0.63*
			Sn	20:02.40			-2.22*
WINA	375.6	293	Pn	12:19:29.90			-0.66*
			Sn	20:09.59			-1.71*
CONA	383.9	289	Pn	12:19:30.79			-0.81*
			Sn	20:09.98			-3.17*

Földrengés paraméterek

ARSA	393.9	277	Pn	12:19:32.50			-0.35*
MORC	404.4	325	Pn	12:19:33.01			-1.15*
SOKA	430.4	268	Pn	12:19:37.42			0.02*
			Sn	20:20.75			-2.73*
ABNA	444.2	298	Pn	12:19:38.48			-0.64*
			Sn	20:23.74			-2.79*
MOA	497.5	284	Pn	12:19:46.67			0.90*

1137.

2023-08-19 time: 12:21:48.74 UTC ML= 3.5
 lat: 46.848N lon: 20.686E h= 15.3 km
 erh= 2.7km erz= 2.5km
 nr= 61 gap= 88 rms=1.38
 Locality: Örménykút
 Comments: felt 4-5 MIS/IIS

sta	dist	azm	phase	hr	mn	sec	res
BSZH	59.5	328	PgU	12:21:59.54			-0.17
			Sg	22:09.95			1.69
PKSN	62.6	275	PgD	12:21:59.65			-0.61
			Sg	22:09.37			0.13
PKS6	90.0	252	P*	12:22:03.86			-0.89
			S*	22:16.50			-0.73
LTVH	109.9	57	Pn	12:22:06.83			-0.68
			Sn	22:21.20			-0.96
PKS7	118.2	281	Pn	12:22:07.87			-0.68
			Sn	22:22.98			-1.03
PKS2	119.4	251	Pn	12:22:08.87			0.17
			Sn	22:23.48			-0.80
PKB3	123.5	248	Pn	12:22:09.18			-0.03
			Sn	22:24.92			-0.26
PSZ	133.2	333	PnU	12:22:09.21			-1.21
			Sn	22:26.71			-0.62
PBUD	144.3	298	Sn	12:22:29.21			-0.59
BUD	144.5	299	Pn	12:22:10.23			-1.60
			Sn	22:29.46			-0.38
PKB1	144.7	267	Pn	12:22:10.83			-1.02
			Sn	22:31.47			1.59
PENC	149.2	315	Pn	12:22:14.39			1.97
			Sn	22:30.18			-0.70
PKB5	151.7	259	Pn	12:22:14.28			1.55
			Sn	22:33.51			2.07
BZS	154.5	152	Pn	12:22:12.72			-0.36
DRGR	154.7	92	PnU	12:22:12.45			-0.65
			Sn	22:31.08			-1.03
PKB4	164.0	256	Pn	12:22:13.18			-1.09
			Sn	22:32.68			-1.50
SURR	164.5	138	Pn	12:22:15.58			1.25
			Sn	22:35.51			1.22
ABAH	166.3	15	Pn	12:22:16.89			2.33
MORH	171.7	246	Pn	12:22:13.64			-1.58
			Sn	22:37.56			1.69
PKSM	172.0	246	Pn	12:22:13.74			-1.53
			Sn	22:37.98			2.02
KECS	182.5	355	Pn	12:22:16.17			-0.40
PKSG	184.4	289	Pn	12:22:19.90			3.10
PKS9	186.3	261	Pn	12:22:15.94			-1.10
			Sn	22:43.77			4.65
CSKK	192.8	287	Pn	12:22:20.51			2.65
			Sn	22:44.26			3.69
TRPA	199.6	44	Pn	12:22:17.42			-1.29
DEV	201.5	122	Pn	12:22:21.20			2.26
			Sn	22:40.80			-1.70
PKST	206.6	283	Pn	12:22:19.68			0.11
			Sn	22:49.26			5.64*
SRO	209.0	301	Pn	12:22:20.01			0.13
			Sn	22:43.50			-0.66
TIH	213.0	272	Sn	12:22:43.94			-1.10
PKSV	215.5	240	Pn	12:22:24.38			3.70
			Sn	22:51.37			5.77*
KOVH	215.8	247	Pn	12:22:18.82			-1.90
			Sn	22:51.75			6.08*
GZR	228.6	135	Pn	12:22:22.38			0.06
BRIU	241.4	47	Pn	12:22:29.30			5.38

Földrengés paraméterek

Hypocenter Parameters

EGYH	262.2	284	Pn	12:22:27.73	1.22
			Sn	22:56.52	0.55
MEZ	281.8	49	Pn	12:22:28.69	-0.27
NIE	287.2	354	Pn	12:22:30.25	0.62
SMOL	306.8	307	Pn	12:22:31.19	-0.88*
MODS	307.3	304	Pn	12:22:31.60	-0.54*
			Sn	23:04.01	-1.98*
ZST	308.7	299	Pn	12:22:32.06	-0.25*
SOP	325.9	287	Pn	12:22:34.09	-0.36*
			Sn	23:08.54	-1.56*
KWP	344.0	26	Sn	12:23:13.70	-0.43*
RONA	345.4	286	Pn	12:22:36.38	-0.50*
			Sn	23:13.12	-1.31*
VOIR	371.9	115	Pn	12:22:40.87	0.69*
WINA	374.8	292	Pn	12:22:40.18	-0.37*
			Sn	23:19.87	-1.10*
PTJ	378.7	254	Pn	12:22:52.49	11.46*
OJC	380.6	350	Pn	12:22:54.83	13.55*
CONA	383.6	288	Pn	12:22:40.79	-0.85*
ARSA	394.8	277	Pn	12:22:42.62	-0.43*
			Sn	23:24.44	-0.97*
GROS	399.1	264	Sn	12:23:23.85	-2.51*
MORC	400.6	324	Pn	12:22:43.81	0.05*
			Sn	23:25.52	-1.16*
KRUC	404.1	308	Pn	12:22:43.18	-1.02*
VRAC	409.7	312	Pn	12:22:44.03	-0.87*
CRES	418.3	254	Pn	12:22:45.43	-0.54*
PERS	426.3	267	Pn	12:22:45.49	-1.47*
			Sn	23:30.43	-1.95*
ABNA	442.9	297	Pn	12:22:48.34	-0.70*
			Sn	23:34.31	-1.76*
KRLC	460.6	321	Pn	12:22:51.18	-0.07*
MOA	497.7	283	Sn	12:23:47.46	-0.78*
BIOA	541.5	280	Pn	12:23:00.47	-0.86*
KBA	559.3	273	Pn	12:23:03.98	0.42*
			Sn	23:59.08	-2.83*
LESA	611.0	276	Pn	12:23:10.65	0.66*
			Sn	24:13.36	-0.01*
WTTA	689.1	274	Pn	12:23:20.61	0.87*
SQTA	721.5	273	Pn	12:23:24.37	0.59*
FETA	758.5	271	Pn	12:23:29.24	0.85*

1138.

2023-08-19 time: 12:31:40.41 UTC ML= 1.8
 lat: 46.829N lon: 20.726E h= 15.8 km
 erh= 3.0km erz= 2.2km
 nr= 16 gap=155 rms=0.69
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	62.8	326	Pg	12:31:52.10	0.12
			Sg	32:02.21	1.21
PKSN	65.9	277	Pg	12:31:51.27	-1.24
			Sg	32:02.52	0.57
PKS6	92.4	254	S*	12:32:09.05	-0.42
PKS2	121.7	252	Sn	12:32:16.13	-0.22
PKB3	125.6	249	Sn	12:32:17.08	-0.14
PSZ	136.4	333	Pn	12:32:02.13	-0.30
			Sn	32:18.57	-1.04
DRGR	151.6	92	Pn	12:32:04.65	0.32
			Sn	32:23.26	0.27
PKB4	166.6	257	Sn	12:32:28.56	2.25
MORH	173.7	247	Pn	12:32:06.97	-0.11
			Sn	32:28.76	0.87
PKSM	174.1	247	Pn	12:32:07.24	0.11
			Sn	32:29.11	1.14

1139.

2023-08-19 time: 12:35:26.76 UTC ML= 1.6
 lat: 46.856N lon: 20.697E h= 19.0 km
 erh= 2.6km erz= 4.7km
 nr= 8 gap=153 rms=0.33
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	59.2	326	S*	12:35:46.88	0.61
PKSN	63.4	274	P*	12:35:38.07	-0.30
			S*	35:47.42	-0.01
PSZ	132.8	333	Pn	12:35:47.69	-0.22
			Sn	36:03.87	-0.54
DRGR	153.8	93	Sn	12:36:09.17	0.08
MORH	172.8	246	Pn	12:35:53.29	0.38
PKSM	173.2	246	Pn	12:35:53.21	0.25

1140.

2023-08-19 time: 12:38:26.74 UTC ML= 2.1
 lat: 46.842N lon: 20.736E h= 14.1 km
 erh= 2.7km erz= 2.3km
 nr= 24 gap=120 rms=0.85
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	62.1	325	Pg	12:38:37.96	-0.15
			Sg	38:47.79	0.80
PKSN	66.5	275	Pg	12:38:38.27	-0.61
			Sg	38:48.58	0.22
PKS6	93.5	253	P*	12:38:42.13	-1.26
			S*	38:55.66	-0.72
PKS2	122.9	252	Pn	12:38:46.95	-0.34
			Sn	39:02.60	-0.71
PKB3	126.9	249	Sn	12:39:03.31	-0.89
PSZ	135.5	332	Pn	12:38:48.81	-0.05
			Sn	39:05.36	-0.75
DRGR	150.8	92	Pn	12:38:51.25	0.48
			Sn	39:08.94	-0.57
BZS	152.2	153	Pn	12:38:51.65	0.71
PENC	152.4	314	Sn	12:39:10.50	0.64
SURR	161.5	139	Sn	12:39:10.70	-1.18
PKB4	167.7	257	Pn	12:38:53.77	0.90
			Sn	39:14.30	1.05
MORH	175.0	247	Pn	12:38:57.27	3.49
			Sn	39:15.80	0.93
PKSM	175.3	246	Pn	12:38:54.01	0.18
			Sn	39:15.95	0.99
KOVH	219.2	248	Sn	12:39:31.49	6.81*
GZR	225.4	136	Pn	12:39:00.25	0.18
			Sn	39:26.02	-0.05

1141.

2023-08-19 time: 12:39:43.03 UTC ML= 2.2
 lat: 46.878N lon: 20.692E h= 14.5 km
 erh= 7.6km erz= 5.2km
 nr= 5 gap=157 rms=0.59
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	62.9	272	Pg	12:39:54.32	-0.23
			Sg	40:04.89	1.34
PKS6	91.5	250	S*	12:40:11.54	-0.52
PSZ	130.4	333	Sn	12:40:20.91	-0.28
DRGR	154.3	94	Sn	12:40:26.75	0.25

Hypocenter Parameters

Földrengés paraméterek

1142.

2023-08-19 time: 12:43:11.81 UTC ML= 1.9
 lat: 46.820N lon: 20.696E h= 17.1 km
 erh= 3.1km erz= 3.0km
 nr= 13 gap= 95 rms=0.73
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.4	329	Sg	12:43:32.32			-0.06
PKSN	63.7	278	Pg	12:43:22.61			-0.98
			Sg	43:33.94			1.16
PKS6	89.9	254	P*	12:43:27.30			-0.33
			S*	43:40.39			0.41
PSZ	136.2	334	Pn	12:43:33.15			-0.50
			Sn	43:49.75			-0.93
BZS	151.5	152	Pn	12:43:36.26			0.71
			Sn	43:53.84			-0.23
DRGR	153.9	91	Pn	12:43:35.62			-0.23
			Sn	43:54.71			0.11
ABAH	169.1	14	Sn	12:43:59.90			1.93
PKSM	171.6	247	Pn	12:43:39.13			1.08

1143.

2023-08-19 time: 12:44:10.11 UTC ML= 2.1
 lat: 46.798N lon: 20.751E h= 6.8 km
 erh= 3.4km erz= 3.1km
 nr= 33 gap= 95 rms=1.43
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	66.8	327	Pg	12:44:21.83			-0.26
			Sg	44:32.09			0.65
PKSN	68.3	279	Pg	12:44:21.70			-0.66
			Sg	44:32.48			0.56
R1E1	92.2	71	Sg	12:44:37.41			-2.08
PKS6	93.4	256	Pg	12:44:26.26			-0.57
			Sg	44:38.77			-1.10
PKS2	122.6	254	Pn	12:44:30.65			-0.90
			Sn	44:46.64			-1.63
PKB3	126.3	251	Sn	12:44:47.14			-1.95
PSZ	140.3	333	Pn	12:44:32.40			-1.36
			Sn	44:49.07			-3.15
BZS	147.4	153	Pn	12:44:36.72			2.08
PKB1	149.6	269	Pn	12:44:35.68			0.77
DRGR	149.7	90	Pn	12:44:36.17			1.25
			Sn	44:53.09			-1.19
PENC	156.6	315	Sn	12:44:55.47			-0.35
SURR	157.1	138	Pn	12:44:35.76			-0.09
			Sn	44:54.72			-1.22
PKB4	167.8	258	Sn	12:44:57.95			-0.35
ABAH	170.5	12	Pn	12:44:39.30			1.77
			Sn	44:59.01			0.09
MORH	174.2	248	Pn	12:44:37.82			-0.16
			Sn	44:59.50			-0.23
PKSM	174.6	248	Pn	12:44:37.77			-0.26
			Sn	44:59.70			-0.11
PKS9	190.6	263	Pn	12:44:44.17			4.15
PKSG	191.0	290	Pn	12:44:42.73			2.65
TRPA	200.3	42	Pn	12:44:44.03			2.79
PKST	212.8	284	Sn	12:45:12.35			4.06
KOVH	218.5	249	Pn	12:44:43.03			-0.48
			Sn	45:15.33			5.77*
GZR	221.2	135	Sn	12:45:09.76			-0.40

1144.

2023-08-19 time: 12:47:30.53 UTC ML= 2.6
 lat: 46.839N lon: 20.718E h= 8.9 km
 erh= 1.5km erz= 1.3km
 nr= 49 gap= 93 rms=0.74
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	61.6	326	Pg	12:47:41.80			0.15
			Sg	47:51.27			0.94
PKSN	65.2	276	Pg	12:47:42.10			-0.17
			Sg	47:51.92			0.49
PKS6	92.1	253	Pg	12:47:46.09			-0.96
			Sg	47:59.01			-0.92
R1E1	93.2	74	Sg	12:47:59.41			-0.89
LTVH	108.4	56	P*	12:47:49.78			-0.16
			S*	48:05.00			-0.07
PKS7	120.8	281	Pn	12:47:51.05			-0.44
			Sn	48:06.51			-1.32
PKS2	121.4	252	Pn	12:47:51.07			-0.49
			Sn	48:06.71			-1.26
PKB3	125.4	248	Pn	12:47:51.65			-0.41
			Sn	48:07.80			-1.05
PSZ	135.2	333	Pn	12:47:52.07			-1.21
			Sn	48:09.46			-1.57
PKB1	147.1	268	Pn	12:47:55.46			0.69
			Sn	48:13.30			-0.37
BUD	147.1	299	Sn	12:48:12.39			-1.29
PENC	151.6	314	Pn	12:47:55.46			0.13
			Sn	48:14.28			-0.40
DRGR	152.2	92	Pn	12:47:55.31			-0.10
			Sn	48:13.99			-0.82
BZS	152.5	153	Pn	12:47:55.21			-0.23
PKB5	153.9	260	Pn	12:47:56.15			0.53
			Sn	48:16.39			1.20
SURR	162.1	138	Pn	12:47:56.45			-0.19
PKB4	166.2	257	Pn	12:47:57.40			0.25
			Sn	48:18.18			0.27
ABAH	166.7	14	Pn	12:47:58.30			1.08
			Sn	48:18.33			0.30
MORH	173.5	246	Pn	12:47:58.15			0.09
			Sn	48:20.07			0.54
PKSM	173.9	246	Pn	12:47:58.53			0.42
			Sn	48:19.82			0.21
KECS	183.7	355	Pn	12:48:00.49			1.16
PKSG	187.0	289	Pn	12:48:00.84			1.10
			Sn	48:23.01			0.48
PKS9	188.6	261	Pn	12:48:00.29			0.35
			Sn	48:23.46			0.58
CSKK	195.4	287	Sn	12:48:25.16			0.76
TRPA	198.7	44	Pn	12:48:04.98			3.78
DEV	198.9	122	Pn	12:48:02.28			1.05
PKST	209.2	283	Pn	12:48:03.98			1.47
			Sn	48:29.19			1.74
KOVH	217.7	247	Pn	12:48:04.18			0.61
			Sn	48:35.27			5.93*
GZR	226.1	135	Pn	12:48:04.83			0.21
MPLH	244.5	279	Sn	12:48:35.82			0.53
MODS	309.9	303	ePn	12:48:15.00			-0.07*
			eSn	48:45.10			-4.71*
RONA	348.0	286	Pn	12:48:18.82			-1.00*
WINA	377.5	292	Pn	12:48:22.50			-0.99*
			Sn	49:01.72			-3.08*
CONA	386.2	288	Pn	12:48:23.59			-0.99*
			Sn	49:04.41			-2.33*
ARSA	397.4	277	Pn	12:48:25.21			-0.77*
			Sn	49:06.58			-2.65*

Földrengés paraméterek

Hypocenter Parameters

1145.

2023-08-19 time: 12:49:51.69 UTC ML= 1.7
 lat: 46.820N lon: 20.709E h= 15.1 km
 erh= 4.2km erz= 3.6km
 nr= 11 gap=156 rms=0.82
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	63.0	328	Sg	12:50:13.54	1.27
PKSN	64.7	278	Pg	12:50:02.37	-1.19
			Sg	50:13.31	0.49
PKS6	90.9	254	S*	12:50:20.15	-0.30
PSZ	136.7	333	Pn	12:50:13.31	-0.52
			Sn	50:30.06	-1.05
DRGR	152.9	91	Pn	12:50:15.90	0.05
			Sn	50:35.10	0.40
MORH	172.1	247	Pn	12:50:18.69	0.44
			Sn	50:41.00	2.03
PKSM	172.5	247	Pn	12:50:18.90	0.60

1146.

2023-08-19 time: 12:53:55.88 UTC ML= 1.8
 lat: 46.763N lon: 20.769E h= 5.2 km
 erh= 2.0km erz= 1.8km
 nr= 14 gap=161 rms=0.47
 Locality: Kondoros
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	70.4	282	Pg	12:54:08.29	-0.19
			Sg	54:19.09	0.78
BSZH	70.8	327	Sg	12:54:19.09	0.64
PKS6	93.9	259	Pg	12:54:12.33	-0.35
			Sg	54:25.88	0.10
PSZ	144.4	333	Pn	12:54:19.44	-0.82
			Sn	54:35.30	-3.98*
DRGR	148.4	89	Pn	12:54:20.55	-0.20
			Sn	54:40.91	0.75
PKB4	168.4	260	Sn	12:54:44.82	0.21
ABAH	174.1	12	Sn	12:54:45.76	-0.10
MORH	174.1	250	Sn	12:54:46.47	0.60
PKSM	174.5	249	Pn	12:54:24.19	0.18
			Sn	54:45.92	-0.03

1147.

2023-08-19 time: 12:56:32.24 UTC ML= 2.1
 lat: 46.822N lon: 20.753E h= 12.3 km
 erh= 3.2km erz= 2.3km
 nr= 20 gap=156 rms=0.82
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	64.7	325	Pg	12:56:44.19	0.19
			Sg	56:54.31	1.13
PKSN	68.1	277	Pg	12:56:43.64	-0.95
			Sg	56:54.70	0.47
PKS6	94.2	255	P*	12:56:48.14	-1.02
			S*	57:01.26	-1.09
PKS2	123.4	253	Sn	12:57:09.06	-0.29
PKB3	127.3	250	Sn	12:57:09.29	-0.91
PSZ	138.1	332	Sn	12:57:11.14	-1.46
DRGR	149.5	91	Pn	12:56:56.36	0.02
			Sn	57:14.90	-0.23
PKB1	149.8	268	Sn	12:57:15.65	0.46
ABAH	168.0	13	Sn	12:57:22.05	2.82
PKB4	168.4	258	Pn	12:56:59.73	1.03
			Sn	57:20.24	0.90
MORH	175.3	247	Pn	12:56:59.60	0.05
			Sn	57:21.88	1.02
PKSM	175.7	247	Pn	12:57:00.44	0.84

Sn 57:21.66 0.72
 PKSG 190.2 289 Sn 12:57:24.87 0.70

1148.

2023-08-19 time: 13:11:00.37 UTC ML= 1.8
 lat: 46.825N lon: 20.723E h= 12.0 km
 erh= 3.6km erz= 2.7km
 nr= 16 gap=156 rms=0.86
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	63.1	327	Pg	13:11:11.82	-0.03
			Sg	11:22.49	1.69
PKSN	65.7	277	Pg	13:11:11.51	-0.79
			Sg	11:22.80	1.19
PKS6	92.0	254	Sg	13:11:28.88	-0.99
PKS2	121.3	252	Sn	13:11:36.27	-0.82
PKB3	125.2	249	Sn	13:11:36.92	-1.04
PSZ	136.7	333	Pn	13:11:22.33	-0.60
			Sn	11:38.92	-1.60
DRGR	151.8	91	Pn	13:11:25.10	0.29
			Sn	11:44.85	0.99
PKB4	166.2	257	Sn	13:11:48.33	1.27
MORH	173.3	247	Pn	13:11:28.10	0.62
			Sn	11:49.67	1.05
PKSM	173.6	247	Pn	13:11:27.55	0.02
			Sn	11:49.28	0.57

1149.

2023-08-19 time: 13:12:34.68 UTC ML= 1.9
 lat: 46.812N lon: 20.702E h= 11.8 km
 erh= 3.1km erz= 2.1km
 nr= 17 gap=117 rms=0.86
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	63.5	329	Sg	13:12:56.57	1.36
PKSN	64.3	278	Pg	13:12:45.58	-0.78
			Sg	12:56.88	1.41
PKS6	90.1	255	Pg	13:12:50.09	-0.81
			Sg	13:03.05	-0.51
PKS2	119.4	253	Sn	13:13:10.16	-0.83
PKS7	120.2	283	Sn	13:13:10.55	-0.64
PKB3	123.2	250	Sn	13:13:11.50	-0.35
PSZ	137.3	334	Sn	13:13:13.32	-1.65
BZS	150.4	152	Pn	13:13:00.06	1.10
DRGR	153.4	91	Pn	13:12:59.65	0.32
			Sn	13:17.98	-0.57
PKB4	164.4	258	Sn	13:13:21.93	0.95
MORH	171.2	247	Sn	13:13:23.35	0.84
PKSM	171.6	247	Pn	13:13:02.18	0.59
			Sn	13:22.72	0.13
PKSG	186.9	290	Sn	13:13:26.39	0.41

1150.

2023-08-19 time: 13:16:29.45 UTC ML= 1.9
 lat: 46.841N lon: 20.727E h= 16.8 km
 erh= 3.1km erz= 2.4km
 nr= 13 gap=154 rms=0.66
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	61.8	326	Sg	13:16:50.66	0.85
PKSN	65.8	275	Pg	13:16:41.19	-0.39
			Sg	16:51.67	0.63
PKS6	92.8	253	P*	13:16:45.07	-0.67
			S*	16:57.72	-0.73
PKS2	122.2	251	Sn	13:17:04.72	-0.54
PSZ	135.2	332	Pn	13:16:51.20	0.00

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DRGR 151.6 92 Sn 17:07.26 -0.90
 Pn 13:16:53.68 0.45
 Sn 17:11.53 -0.25
 PKB4 166.9 257 Sn 13:17:17.11 1.92
 MORH 174.2 246 Pn 13:16:56.80 0.74
 Sn 17:17.81 0.99

1151.

2023-08-19 time: 13:43:03.78 UTC ML= 1.7
 lat: 46.834N lon: 20.779E h= 12.9 km
 erh= 3.1km erz= 2.7km
 nr= 13 gap=121 rms=0.72
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	64.8	323	Sg	13:43:25.65	0.88
PKSN	69.9	276	Pg	13:43:16.01	-0.46
			Sg	43:26.18	-0.19
PKS6	96.4	254	S*	13:43:33.02	-1.39
PSZ	137.8	331	Pn	13:43:26.43	0.08
			Sn	43:42.88	-1.07
DRGR	147.5	92	Pn	13:43:28.29	0.73
			Sn	43:45.16	-0.95
BZS	150.0	154	Sn	13:43:46.21	-0.43
PKB4	170.7	257	Sn	13:43:51.65	0.41
MORH	177.6	247	Sn	13:43:54.00	1.21
PKSM	178.0	247	Pn	13:43:31.88	0.52
			Sn	43:53.65	0.78

1152.

2023-08-19 time: 13:45:04.79 UTC ML= 1.7
 lat: 46.868N lon: 20.715E h= 13.7 km
 erh= 4.0km erz= 2.8km
 nr= 11 gap=152 rms=0.74
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	64.7	273	Pg	13:45:16.14	-0.46
			Sg	45:26.20	0.39
PKS6	92.9	251	S*	13:45:32.98	-1.35
PSZ	132.2	332	Pn	13:45:26.46	-0.10
			Sn	45:42.83	-0.72
DRGR	152.5	93	Pn	13:45:30.24	1.15
			Sn	45:46.87	-1.18
PKB4	166.7	256	Sn	13:45:52.08	0.87
MORH	174.6	245	Sn	13:45:53.54	0.58
PKSM	175.0	245	Pn	13:45:32.18	0.28
			Sn	45:53.69	0.65

1153.

2023-08-19 time: 13:53:57.40 UTC ML= 1.8
 lat: 46.869N lon: 20.725E h= 13.3 km
 erh= 5.3km erz= 3.5km
 nr= 10 gap=152 rms=0.79
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	65.4	273	Pg	13:54:08.68	-0.64
			Sg	54:19.43	0.81
PKS6	93.6	251	P*	13:54:13.73	-0.40
			S*	54:26.37	-0.82
PSZ	132.5	332	Sn	13:54:35.80	-0.48
DRGR	151.8	93	Pn	13:54:22.60	0.94
			Sn	54:39.10	-1.48
MORH	175.3	246	Sn	13:54:46.54	0.74
PKSM	175.7	245	Pn	13:54:25.50	0.86
			Sn	54:46.85	0.97

1154.

2023-08-19 time: 14:00:23.55 UTC ML= 2.0
 lat: 46.868N lon: 20.731E h= 7.3 km
 erh= 6.1km erz= 4.2km
 nr= 9 gap=152 rms=0.88
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	65.9	273	Pg	14:00:35.06	-0.33
			Sg	00:46.38	1.75
PKS6	94.0	252	Pg	14:00:39.79	-0.59
			Sg	00:52.98	-0.53
PSZ	132.8	332	Sn	14:01:02.75	-1.12
DRGR	151.3	93	Pn	14:00:49.73	1.22
			Sn	01:07.18	-0.80
MORH	175.7	246	Sn	14:01:13.89	0.50
PKSM	176.1	246	Sn	14:01:14.08	0.61

1155.

2023-08-19 time: 14:38:54.14 UTC ML= 2.8
 lat: 46.811N lon: 20.673E h= 12.1 km
 erh= 3.2km erz= 2.9km
 nr= 55 gap= 48 rms=1.64
 Locality: Csabacsúd
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	62.2	279	Pg	14:39:04.65	-0.80
			Sg	39:15.45	1.17
BSZH	62.5	330	Pg	14:39:04.80	-0.70
			Sg	39:15.61	1.25
PKS6	88.0	255	Pg	14:39:09.14	-0.86
			Sg	39:21.47	-0.89
LTVH	112.9	56	Pn	14:39:12.46	-1.26
			Sn	39:28.26	-0.73
PKS2	117.3	252	Pn	14:39:13.48	-0.78
			Sn	39:27.97	-1.97
PKS7	118.1	283	Pn	14:39:14.50	0.14
			Sn	39:28.06	-2.08
PKB3	121.1	249	Pn	14:39:14.39	-0.35
			Sn	39:28.56	-2.25
PSZ	136.4	334	Pn	14:39:14.85	-1.80
			Sn	39:32.25	-1.95
PKB1	143.6	269	Pn	14:39:17.95	0.41
			Sn	39:35.85	0.05
PKB5	150.1	261	Pn	14:39:19.28	0.93
			Sn	39:38.76	1.52
PENC	151.4	316	Pn	14:39:20.70	2.18
			Sn	39:39.68	2.15
BZS	151.4	151	Pn	14:39:20.13	1.61
			Sn	39:36.51	-1.02
DRGR	155.6	91	Pn	14:39:17.84	-1.20
			Sn	39:36.92	-1.54
PKB4	162.2	258	Pn	14:39:18.09	-1.77
			Sn	39:42.08	2.16
SURR	162.3	136	Pn	14:39:19.17	-0.70
			Sn	39:37.84	-2.09
MORH	169.2	247	Pn	14:39:21.16	0.43
PKSM	169.6	247	Pn	14:39:18.84	-1.94
ABAH	170.5	14	Pn	14:39:20.72	-0.18
			Sn	39:41.06	-0.70
PKS9	184.8	262	Pn	14:39:21.06	-1.62
			Sn	39:48.91	3.97
PKSG	184.9	290	Pn	14:39:24.38	1.69
			Sn	39:43.50	-1.46
KECS	186.4	356	Pn	14:39:23.20	0.32
CSKK	193.2	289	Sn	14:39:48.97	2.17
FRGS	197.9	200	Sn	14:39:50.40	2.55
DEV	200.3	121	Pn	14:39:27.31	2.70
			Sn	39:52.54	4.17
TRPA	203.2	44	Pn	14:39:27.04	2.06
PKST	206.7	284	Pn	14:39:28.81	3.41

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TIH	212.2	273	Sn	39:53.62	3.83
PKSV	212.7	241	Pn	14:39:56.41	5.38
			Sn	14:39:30.00	3.84
KOVH	213.4	248	Pn	39:49.34	-1.79
			Pn	14:39:25.40	-0.85
			Sn	39:57.14	5.85
TRSU	223.7	50	Pn	14:39:27.72	0.19
CJR	223.7	93	Sn	14:39:59.89	6.31*
GZR	226.5	134	Pn	14:39:27.50	-0.38
			Sn	39:59.08	4.89
MODS	308.9	304	ePn	14:39:37.20	-0.95*
			eSn	40:08.30	-4.18*
RONA	345.7	287	Pn	14:39:41.83	-0.91*
RCF6	365.2	262	Pn	14:39:42.65	-2.53*
VOIR	371.2	114	Pn	14:39:45.60	-0.32*
			Sn	40:24.49	-1.81*
WINA	375.6	293	Pn	14:39:45.63	-0.84*
			Sn	40:24.61	-2.67*
CONA	384.1	289	Pn	14:39:46.42	-1.10*
ARSA	394.5	277	Sn	14:40:29.84	-1.64*
MORC	403.4	325	Pn	14:39:48.87	-1.06*
KRUC	406.0	308	Pn	14:39:49.69	-0.56*
SOKA	431.3	268	Sn	14:40:37.62	-2.02*
ABNA	444.1	298	Pn	14:39:55.74	0.74*
			Sn	40:39.90	-2.58*
BIOA	541.5	280	Sn	14:41:02.53	-1.56*

1156.

2023-08-19 time: 14:50:15.53 UTC ML= 1.9
 lat: 46.833N lon: 20.671E h= 16.4 km
 erh= 2.8km erz= 2.2km
 nr= 20 gap= 79 rms=0.83
 Locality: Csabacsúd
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	60.3	329	Pg	14:50:26.72	0.03
			Sg	50:36.38	0.98
PKSN	61.7	277	Pg	14:50:25.99	-0.94
			Sg	50:36.89	1.07
PKS6	88.5	253	P*	14:50:30.42	-0.79
			S*	50:42.75	-0.68
PKS7	117.4	282	Sn	14:50:50.19	-0.21
PKS2	117.8	251	Sn	14:50:50.04	-0.44
PKB3	121.8	248	Sn	14:50:51.43	0.06
PSZ	134.2	334	Pn	14:50:36.31	-0.90
			Sn	50:53.06	-1.06
BZS	153.6	152	Pn	14:50:39.80	0.18
DRGR	155.8	92	Pn	14:50:41.44	1.54
			Sn	50:58.03	-0.87
PKB4	162.6	257	Sn	14:51:01.57	1.16
BANR	165.1	167	Sn	14:51:00.69	-0.29
ABAH	168.2	15	Pn	14:50:42.10	0.65
MORH	170.0	246	Sn	14:51:03.47	1.42
PKSM	170.3	246	Pn	14:50:41.89	0.18
			Sn	51:03.69	1.55

1157.

2023-08-19 time: 14:52:49.14 UTC ML= 2.3
 lat: 46.788N lon: 20.718E h= 10.3 km
 erh= 2.4km erz= 2.0km
 nr= 35 gap= 96 rms=0.98
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	66.0	281	PgU	14:53:00.57	-0.50
			Sg	53:11.29	0.92
BSZH	66.4	329	Pg	14:53:01.14	0.00
			Sg	53:11.29	0.79
PKS6	90.7	257	Pg	14:53:04.86	-0.57
			Sg	53:17.25	-0.89
PKS2	119.8	254	Sn	14:53:25.59	-0.32

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Hypocenter Parameters

PKS7	122.1	284	Pn	14:53:09.89	-0.19
			Sn	53:24.87	-1.54
PKB3	123.5	251	Pn	14:53:09.79	-0.47
			Sn	53:25.66	-1.07
PSZ	140.2	334	Pn	14:53:10.30	-2.04
			Sn	53:28.06	-2.38
PKB1	147.1	270	Pn	14:53:13.30	0.11
BZS	147.5	152	Pn	14:53:13.69	0.44
			Sn	53:31.81	-0.25
DRGR	152.2	90	Pn	14:53:13.44	-0.40
			Sn	53:31.90	-1.20
PKB5	153.1	262	Pn	14:53:14.28	0.33
			Sn	53:33.24	-0.07
PENC	155.7	316	Sn	14:53:34.80	0.93
PKB4	165.1	259	Pn	14:53:15.56	0.12
			Sn	53:36.43	0.47
MORH	171.4	248	Pn	14:53:16.65	0.42
			Sn	53:38.30	0.94
PKSM	171.8	248	Pn	14:53:16.79	0.51
			Sn	53:38.27	0.82
ABAH	172.2	13	Pn	14:53:18.18	1.85
			Sn	53:36.58	-0.96
PKSG	189.0	291	Sn	14:53:41.41	0.13
KECS	189.3	355	eSn	14:53:42.80	1.47
CSKK	197.3	289	Sn	14:53:45.01	1.90
TRPA	202.8	43	Pn	14:53:22.91	2.76
PKST	210.6	284	Sn	14:53:48.46	2.39
KOVH	215.7	249	Sn	14:53:52.90	5.70*
GZR	222.2	134	Pn	14:53:23.01	0.45
			Sn	53:55.03	6.39*

1158.

2023-08-19 time: 14:58:18.19 UTC ML= 1.9
 lat: 46.857N lon: 20.703E h= 15.4 km
 erh= 3.9km erz= 2.7km
 nr= 11 gap=153 rms=0.75
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	63.9	274	Pg	14:58:29.91	-0.02
			Sg	58:39.45	0.37
PKS6	91.6	252	S*	14:58:45.74	-1.35
PSZ	132.9	333	Pn	14:58:39.45	-0.37
			Sn	58:55.36	-1.33
DRGR	153.4	93	Pn	14:58:42.71	0.33
			Sn	59:00.71	-0.54
ABAH	165.0	14	Sn	14:59:05.21	1.38
PKB4	165.5	256	Sn	14:59:05.21	1.27
MORH	173.3	246	Sn	14:59:06.30	0.64
PKSM	173.7	246	Sn	14:59:06.37	0.63

1159.

2023-08-19 time: 15:02:11.19 UTC ML= 2.7
 lat: 46.797N lon: 20.685E h= 14.1 km
 erh= 2.6km erz= 2.4km
 nr= 52 gap= 90 rms=1.23
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	63.3	280	Pg	15:02:22.60	-0.17
			Sg	02:31.45	-0.36
BSZH	64.2	330	Pg	15:02:22.50	-0.43
			Sg	02:31.78	-0.31
PKS6	88.5	256	P*	15:02:26.75	-0.32
			S*	02:40.21	0.75
R1E1	97.0	72	S*	15:02:40.25	-1.52
LTVH	113.1	55	Pn	15:02:30.07	-0.45
			Sn	02:45.41	-0.19
PKS2	117.7	253	Pn	15:02:31.19	0.10
			Sn	02:46.31	-0.31
PKS7	119.4	283	Pn	15:02:31.60	0.30

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		Sn	02:45.35	-1.64
PKB3	121.5	250	Pn 15:02:30.93	-0.64
		Sn	02:47.84	0.38
PSZ	138.2	334	Pn 15:02:33.77	0.12
		Sn	02:49.58	-1.59
PKB1	144.5	269	Pn 15:02:33.57	-0.87
		Sn	02:51.29	-1.29
BUD	147.3	301	Sn 15:02:52.42	-0.78
BZS	149.7	151	Pn 15:02:35.39	0.31
		Sn	02:53.51	-0.21
PKB5	150.8	261	Pn 15:02:34.18	-1.04
		Sn	02:52.61	-1.36
PENC	153.2	316	Pn 15:02:37.16	1.64
		Sn	02:56.52	2.03
DRGR	154.7	90	Pn 15:02:35.52	-0.19
		Sn	02:54.23	-0.61
SURR	160.5	136	Pn 15:02:36.58	0.14
PKB4	162.8	258	Pn 15:02:38.40	1.68
		Sn	02:59.68	3.05
MORH	169.4	248	Pn 15:02:36.31	-1.24
		Sn	02:56.39	-1.72
PKSM	169.8	247	Pn 15:02:36.31	-1.29
		Sn	03:01.09	2.90
ABAH	171.8	14	Pn 15:02:39.71	1.87
		Sn	02:56.96	-1.67
PKS9	185.5	263	Pn 15:02:38.75	-0.80
		Sn	03:00.33	-1.35
PKSG	186.3	291	Pn 15:02:42.41	2.76
		Sn	03:04.78	2.93
KECS	188.0	355	Pn 15:02:39.25	-0.62
TRPA	203.7	43	Pn 15:02:44.81	2.98
PKST	207.9	284	Pn 15:02:42.29	-0.06
		Sn	03:05.84	-0.81
SRO	211.9	302	Pn 15:02:42.94	0.09
		Sn	03:13.22	5.68*
PKSV	212.8	242	Pn 15:02:47.19	4.24
		Sn	03:14.25	6.52*
KOVH	213.7	248	Pn 15:02:42.64	-0.43
		Sn	03:14.43	6.50*
TRSU	224.0	50	Pn 15:02:49.01	4.66
GZR	224.8	134	Pn 15:02:44.82	0.37
STHS	294.2	8	ePn 15:02:54.50	1.39
MODS	310.5	304	Pn 15:02:54.52	-0.62*
		Sn	03:27.07	-2.35*
SOP	327.6	287	Pn 15:02:56.64	-0.63*
RONA	347.0	287	Pn 15:02:59.27	-0.42*
WINA	377.1	293	Pn 15:03:02.94	-0.49*
		Sn	03:43.20	-0.99*
CONA	385.4	289	Pn 15:03:03.62	-0.86*
ARSA	395.6	277	Pn 15:03:05.34	-0.41*
GROS	398.7	265	Sn 15:03:47.09	-1.90*
MORC	405.2	325	Pn 15:03:06.55	-0.39*
ABNA	445.6	298	Pn 15:03:11.38	-0.60*
		Sn	03:57.90	-1.50*

1160.

2023-08-19 time: 15:08:11.50 UTC ML= 2.0
 lat: 46.864N lon: 20.702E h= 15.9 km
 erh= 2.0km erz= 1.6km
 nr= 11 gap=152 rms=0.42
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	58.7	326	Sg	15:08:31.06	0.23
PKSN	63.8	273	Pg	15:08:22.91	-0.33
			Sg	08:33.15	0.75
PKS6	91.8	251	S*	15:08:39.36	-1.02
PKS2	121.2	250	Pn	15:08:31.71	0.10
			Sn	08:47.00	-0.30
PSZ	132.2	333	Pn	15:08:33.07	0.09
			Sn	08:49.37	-0.36
DRGR	153.5	93	Pn	15:08:35.83	0.19
			Sn	08:54.40	-0.06

PKSM 173.9 245 Sn 15:08:59.91 0.91

1161.

2023-08-19 time: 15:08:35.01 UTC ML= 2.0
 lat: 46.855N lon: 20.741E h= 12.8 km
 erh= 5.7km erz= 3.9km
 nr= 7 gap=153 rms=0.69
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	66.8	274	Pg	15:08:46.61	-0.54
			Sg	08:57.39	0.77
PKS6	94.3	252	S*	15:09:03.83	-1.25
PSZ	134.4	332	Pn	15:08:57.79	0.63
			Sn	09:14.07	-0.36
DRGR	150.5	93	Sn	15:09:18.34	0.32
MORH	175.8	246	Sn	15:09:24.39	0.75

1162.

2023-08-19 time: 15:43:08.06 UTC ML= 2.1
 lat: 46.800N lon: 20.683E h= 10.0 km
 erh= 2.1km erz= 1.7km
 nr= 29 gap= 96 rms=0.78
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	63.1	280	Pg	15:43:19.06	-0.42
			Sg	43:29.53	1.15
BSZH	63.9	330	Sg	15:43:29.68	1.05
PKS6	88.4	255	Pg	15:43:23.24	-0.71
			Sg	43:35.74	-0.60
PKS2	117.6	253	Pn	15:43:28.15	-0.34
			Sn	43:43.42	-0.99
PKS7	119.2	283	Sn	15:43:43.49	-1.26
PKB3	121.4	250	Sn	15:43:44.50	-0.76
PSZ	137.9	334	Sn	15:43:46.88	-2.03
PKB1	144.4	269	Pn	15:43:32.24	0.42
			Sn	43:50.94	0.59
BZS	150.0	151	Pn	15:43:33.10	0.58
			Sn	43:50.62	-0.97
PENC	152.8	316	Pn	15:43:32.92	0.04
DRGR	154.8	90	Pn	15:43:32.71	-0.42
			Sn	43:51.77	-0.91
PKB4	162.7	258	Pn	15:43:34.61	0.50
			Sn	43:55.29	0.87
MORH	169.4	247	Pn	15:43:35.27	0.33
			Sn	43:56.53	0.62
PKSM	169.8	247	Pn	15:43:35.35	0.36
			Sn	43:56.99	0.99
ABAH	171.5	14	Pn	15:43:35.74	0.53
			Sn	43:55.99	-0.39
PKSG	186.1	291	Sn	15:44:00.18	0.58
TRPA	203.6	43	Pn	15:43:42.52	3.31
KOVH	213.7	248	Sn	15:44:11.69	5.96*
GZR	225.1	134	Pn	15:43:42.32	0.44
			Sn	44:08.05	-0.21

1163.

2023-08-19 time: 15:54:10.85 UTC ML= 3.8
 lat: 46.836N lon: 20.659E h= 22.5 km
 erh= 1.0km erz= 1.6km
 nr= 65 gap= 41 rms=0.55
 Locality: Csabacsúd
 Comments: felt 5 MIS/IIS

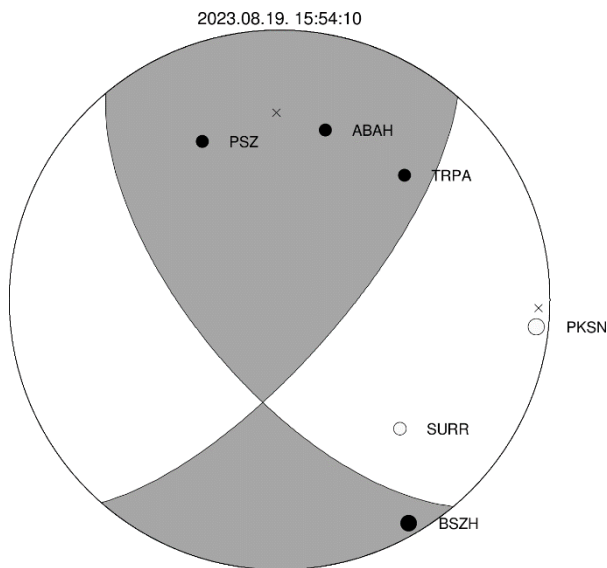
sta	dist	azm	phase	hr mn sec	res
BSZH	59.6	330	PgU	15:54:21.66	-0.15
			Sg	54:31.44	1.09
PKSN	60.8	276	PgD	15:54:21.63	-0.36
			Sg	54:31.28	0.61

Földrengés paraméterek

PKS6	87.7	253	Pn	15:54:25.75	-0.29
			Sn	54:38.53	0.63
LTVH	112.3	57	Pn	15:54:28.78	-0.33
			Sn	54:44.18	0.83
PKS7	116.5	282	Pn	15:54:29.95	0.32
			Sn	54:44.08	-0.20
PKS2	117.1	251	Pn	15:54:29.86	0.15
			Sn	54:45.01	0.60
PKB3	121.1	248	Pn	15:54:29.94	-0.27
			Sn	54:44.95	-0.36
SF5A	123.5	309	Pn	15:54:31.99	1.49
PSZ	133.5	334	PnU	15:54:31.27	-0.48
			Sn	54:48.16	0.10
PKB1	142.6	268	Pn	15:54:32.89	0.00
BUD	143.4	300	Pn	15:54:32.21	-0.78
			Sn	54:49.66	-0.60
PENC	148.7	316	Pn	15:54:33.58	-0.07
			Sn	54:51.60	0.16
PKB5	149.5	260	Pn	15:54:33.61	-0.14
			Sn	54:51.85	0.24
BZS	154.3	151	Pn	15:54:34.52	0.17
			Sn	54:52.77	0.09
DRGR	156.7	92	Pn	15:54:34.52	-0.12
			Sn	54:53.52	0.32
PKB4	161.8	257	Pn	15:54:34.85	-0.43
			Sn	54:54.37	0.04
SURR	164.9	137	PnD	15:54:35.86	0.19
			Sn	54:54.42	-0.61
BANR	165.7	167	Pn	15:54:37.58	1.82
ABAH	168.1	15	PnU	15:54:35.33	-0.74
			Sn	54:55.69	-0.05
MORH	169.3	246	Pn	15:54:35.55	-0.66
			Sn	54:55.53	-0.47
PKSM	169.7	246	Pn	15:54:35.57	-0.69
PKSG	183.0	290	Pn	15:54:38.04	0.12
KECS	183.6	356	Pn	15:54:38.23	0.22
PKS9	184.1	261	Pn	15:54:37.80	-0.26
FRGS	200.1	199	Pn	15:54:40.36	0.30
TRPA	202.0	45	PnU	15:54:39.08	-1.21
DEV	202.6	122	Pn	15:54:40.71	0.35
PKST	205.0	283	Pn	15:54:41.86	1.20
SRO	208.0	302	Pn	15:54:41.97	0.93
			Sn	55:04.48	-0.11
TIH	211.0	272	Sn	15:55:05.38	0.11
PKSV	213.1	240	Pn	15:54:41.09	-0.59
KOVH	213.4	247	Pn	15:54:41.04	-0.68
TRSU	222.7	51	Pn	15:54:42.05	-0.83
CJR	224.9	93	Pn	15:54:43.03	-0.12
GZR	229.1	134	Pn	15:54:44.55	0.88
			Sn	55:09.53	0.25
BMR	234.1	67	Pn	15:54:44.82	0.52
MUKU	235.8	40	Pn	15:54:43.76	-0.75
MPLH	240.2	279	Pn	15:54:46.04	0.99
			Sn	55:12.06	0.33
BRIU	243.8	47	Pn	15:54:45.24	-0.26
EGYH	260.6	284	Pn	15:54:49.83	2.23
LANS	272.3	341	ePn	15:54:50.00	0.94
MEZ	284.2	49	Pn	15:54:50.85	0.30
DJES	284.6	149	Sn	15:55:20.55	-1.05
NIE	288.4	355	Pn	15:54:52.86	1.79
STHS	290.3	9	Pn	15:54:52.31	1.01
RAKU	296.8	63	Pn	15:54:51.72	-0.39*
MODS	306.5	304	Pn	15:54:53.55	0.23*
			Sn	55:25.65	-0.80*
ZST	307.7	299	Pn	15:54:53.74	0.27*
			Sn	55:26.77	0.06*
JAVC	317.3	315	Pn	15:54:55.42	0.75*
SOP	324.4	287	Pn	15:54:55.94	0.38*
			Sn	55:29.73	-0.70*
KOGS	340.3	263	Sn	15:55:32.86	-1.10*
RONA	343.9	286	Pn	15:54:58.19	0.21*
			Sn	55:34.70	-0.05*
BLY	356.1	229	Pn	15:54:59.45	-0.06*
VOIR	373.2	115	Pn	15:55:02.83	1.19*
			Sn	55:41.05	-0.20*

Hypocenter Parameters

WINA	373.5	292	Pn	15:55:02.26	0.58*
			Sn	55:41.12	-0.21*
CONA	382.1	289	Pn	15:55:03.03	0.28*
			Sn	55:44.01	0.77*
ARSA	393.1	277	Pn	15:55:04.70	0.58*
			Sn	55:45.87	0.21*
GROS	397.0	264	Pn	15:55:03.91	-0.70*
			Sn	55:45.45	-1.10*
MORC	400.5	325	Pn	15:55:05.41	0.36*
			Sn	55:46.24	-1.08*
KRUC	403.4	308	Pn	15:55:05.15	-0.26*
			Sn	55:47.46	-0.50*
VRAC	409.2	312	Pn	15:55:05.92	-0.20*
			Sn	55:48.52	-0.72*
CRES	416.0	254	Pn	15:55:06.98	0.00*
PERS	424.2	267	Pn	15:55:07.80	-0.20*
SOKA	430.3	268	Pn	15:55:08.31	-0.44*
MLR	434.8	110	Pn	15:55:09.44	0.12*
ABNA	441.8	298	Pn	15:55:10.54	0.35*
			Sn	55:56.33	-0.15*
KRLC	460.5	321	Pn	15:55:12.74	0.21*
			Sn	56:00.26	-0.37*
OBKA	469.0	266	Pn	15:55:14.45	0.86*
			Sn	56:03.19	0.67*
VRI	479.4	103	Pn	15:55:15.51	0.63*
MOA	496.1	283	Pn	15:55:18.89	1.92*
MYKA	536.9	268	Sn	15:56:17.81	0.22*
BIOA	539.8	280	Pn	15:55:23.73	1.31*
TRI	546.1	257	Sn	15:56:19.33	-0.30*
KBA	557.5	273	Pn	15:55:26.05	1.44*
LESA	609.2	276	Pn	15:55:32.64	1.58*
ABTA	622.1	269	Pn	15:55:34.62	1.94*
			Sn	56:35.97	-0.54*
WTTA	687.3	274	Pn	15:55:42.68	1.88*
WATA	692.0	275	Pn	15:55:44.25	2.86*
SQTA	719.7	273	Pn	15:55:46.50	1.65*
RETA	754.0	276	Pn	15:55:49.58	0.46*
FETA	756.6	272	Pn	15:55:51.52	2.08*
DAVA	820.4	274	Pn	15:55:57.83	0.42*



1164.

2023-08-19 time: 15:56:08.79 UTC ML= 3.0
 lat: 46.831N lon: 20.718E h= 12.6 km
 erh= 2.6km erz= 2.3km
 nr= 44 gap=109 rms=1.11
 Locality: Örménykút
 Comments: felt 4 MIS/IIIS

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.3	327	Pg	15:56:19.84			-0.31
			Sg	56:29.93			0.92
PKSN	65.3	276	Pg	15:56:19.66			-1.01
			Sg	56:30.28			0.35
PKS6	91.9	254	P*	15:56:23.90			-1.43
			S*	56:36.93			-1.30
LTVH	108.8	56	Pn	15:56:27.16			-0.62
			Sn	56:42.72			0.12
PKS7	121.0	281	Pn	15:56:29.04			-0.26
			Sn	56:44.07			-1.22
PKS2	121.2	252	Pn	15:56:28.86			-0.46
			Sn	56:43.99			-1.35
PKB3	125.1	249	Pn	15:56:29.30			-0.52
			Sn	56:45.19			-1.02
PSZ	135.9	333	Pn	15:56:30.49			-0.67
			Sn	56:47.28			-1.33
PKB1	147.1	268	Pn	15:56:32.77			0.22
			Sn	56:52.21			1.12
PBUD	147.3	299	Sn	15:56:51.32			0.18
BUD	147.5	299	Sn	15:56:49.71			-1.48
DRGR	152.2	92	Pn	15:56:33.21			0.02
			Sn	56:51.83			-0.39
PENC	152.2	314	Pn	15:56:32.67			-0.52
			Sn	56:51.70			-0.52
PKB5	153.8	260	Pn	15:56:33.88			0.49
			Sn	56:54.65			2.07
SURR	161.5	138	Pn	15:56:34.25			-0.10
PKB4	166.0	257	Pn	15:56:34.86			-0.05
			Sn	56:55.77			0.48
ABAH	167.5	14	Pn	15:56:36.93			1.83
			Sn	56:54.02			-1.60
MORH	173.2	247	Pn	15:56:36.18			0.37
			Sn	56:57.48			0.60
PKSM	173.6	247	Pn	15:56:35.95			0.09
			Sn	56:57.66			0.69
PKSG	187.3	289	Pn	15:56:40.56			2.99
			Sn	57:01.10			1.09
PKS9	188.5	262	Pn	15:56:41.04			3.33
			Sn	57:04.32			4.05
TRPA	199.3	44	Pn	15:56:42.28			3.22
PKST	209.4	283	Pn	15:56:40.34			0.02
SRO	212.1	301	Pn	15:56:40.89			0.24
PKSV	216.8	241	Sn	15:57:13.20			6.65*
KOVH	217.4	248	Sn	15:57:12.58			5.88*
GZR	225.6	135	Pn	15:56:43.26			0.92
			Sn	57:09.00			0.50
SOP	328.8	287	Pn	15:56:54.59			-0.62*
RONA	348.3	286	Pn	15:56:56.99			-0.65*

1165.

2023-08-19 time: 15:57:04.52 UTC ML= 2.6
 lat: 46.793N lon: 20.767E h= 15.8 km
 erh= 4.1km erz= 2.0km
 nr= 6 gap=285 rms=0.27
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	68.0	326	Sg	15:57:26.70			0.01
			Pg	15:57:16.95			-0.31
PKSN	69.6	280	Sg	57:27.55			0.35
			P*	15:57:21.44			0.29
PKS6	94.4	257	S*	57:33.82			-0.30
			Sn	15:57:44.81			-0.02

1166.

2023-08-19 time: 16:01:15.72 UTC ML= 2.2
 lat: 46.839N lon: 20.700E h= 14.0 km
 erh= 2.5km erz= 2.1km
 nr= 35 gap= 94 rms=1.01
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	60.8	327	Pg	16:01:27.10			0.24
			Sg	01:36.41			0.85
PKSN	63.8	276	Pg	16:01:26.51			-0.87
			Sg	01:37.43			0.95
PKS6	90.8	253	P*	16:01:30.84			-1.13
			S*	01:43.55			-1.09
PKS7	119.5	281	Sn	16:01:50.30			-1.27
PKS2	120.2	251	Pn	16:01:35.57			-0.37
			Sn	01:50.99			-0.73
PKB3	124.2	248	Pn	16:01:35.91			-0.53
			Sn	01:51.39			-1.22
PSZ	134.5	333	Pn	16:01:36.66			-1.08
			Sn	01:53.70			-1.21
PKB1	145.7	268	Pn	16:01:39.17			0.03
PENC	150.6	315	Sn	01:57.57			0.17
			Sn	16:01:58.33			-0.15
PKB5	152.6	260	Sn	16:02:01.03			2.10
BZS	153.2	153	Pn	16:01:39.68			-0.38
DRGR	153.6	92	Sn	01:58.41			-0.65
			Pn	16:01:40.01			-0.10
SURR	163.1	138	Sn	01:58.33			-0.81
			Pn	16:01:42.96			1.66
PKB4	164.9	257	Pn	16:01:42.03			0.51
ABAH	167.0	14	Sn	02:02.87			1.22
			Sn	16:02:03.95			1.83
MORH	172.3	246	Pn	16:01:43.01			0.57
PKSM	172.7	246	Sn	02:04.36			1.07
			Pn	16:01:43.26			0.77
PKSG	185.7	289	Sn	02:03.97			0.59
			Sn	16:02:07.35			1.07
PKS9	187.2	261	Sn	16:02:10.85			4.24
PKST	207.9	283	Sn	16:02:16.86			5.67*
KOVH	216.5	247	Pn	16:01:52.72			4.77
			Sn	02:19.52			6.42*
GZR	227.2	135	Pn	16:01:48.97			-0.32
			Sn	02:15.91			0.44

1167.

2023-08-19 time: 16:03:58.34 UTC ML= 2.0
 lat: 46.827N lon: 20.718E h= 12.6 km
 erh= 2.9km erz= 2.6km
 nr= 25 gap= 94 rms=1.01
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.7	327	Sg	16:04:19.78			1.12
			Pg	16:04:09.23			-0.99
PKSN	65.3	277	Sg	04:20.48			1.00
			P*	16:04:14.27			-0.59
PKS6	91.7	254	S*	04:26.76			-0.99
			Pn	16:04:18.89			0.03
PKS7	121.0	282	Sn	04:34.18			-0.68
			Sn	16:04:34.13			-0.73
PKS2	121.1	252	Pn	16:04:19.01			-0.34
			Sn	04:35.07			-0.66
PKB3	125.0	249	Pn	16:04:19.24			-1.52
			Sn	04:36.38			-1.86
PKB1	147.1	268	Sn	16:04:42.31			1.67
BZS	151.4	153	Pn	16:04:22.65			0.01
DRGR	152.2	92	Sn	04:41.35			-0.25
			Pn	16:04:23.74			1.00
PENC	152.5	315	Sn	04:42.46			0.68
			Sn	16:04:43.59			1.75
PKB4	165.9	257	Sn	16:04:45.69			0.87
ABAH	167.9	14	Pn	16:04:24.05			-0.65
			Sn	04:46.70			1.43
MORH	173.0	247	Pn	16:04:25.76			0.42
PKSM	173.4	247	Sn	04:47.25			0.85
			Pn	16:04:28.32			2.93
PKSG	187.4	290	Sn	16:04:50.59			0.99

Földrengés paraméterek

Hypocenter Parameters

1168.

 2023-08-19 time: 16:05:24.48 UTC ML= 2.2
 lat: 46.819N lon: 20.738E h= 13.5 km
 erh= 2.2km erz= 1.9km
 nr= 35 gap= 94 rms=0.87
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	64.3	326	Pg	16:05:36.37	0.15
			Sg	05:45.99	0.62
PKSN	67.0	277	Pg	16:05:35.21	-1.48
			Sg	05:46.54	0.34
PKS6	93.0	255	P*	16:05:40.10	-1.01
			S*	05:53.29	-0.79
PKS2	122.3	253	Pn	16:05:44.60	-0.43
			Sn	06:00.58	-0.48
PKS7	122.8	282	Sn	16:06:00.27	-0.90
PKB3	126.1	250	Pn	16:05:44.91	-0.60
			Sn	06:01.11	-0.81
PSZ	137.8	332	Pn	16:05:46.23	-0.74
			Sn	06:02.60	-1.91
PKB1	148.6	269	Pn	16:05:48.76	0.44
			Sn	06:07.87	0.96
BZS	149.9	153	Pn	16:05:49.01	0.54
			Sn	06:06.55	-0.63
DRGR	150.6	91	Pn	16:05:48.87	0.30
			Sn	06:06.90	-0.45
PENC	154.3	314	Sn	16:06:07.76	-0.40
PKB5	155.2	261	Sn	16:06:08.82	0.46
PKB4	167.3	258	Pn	16:05:51.48	0.84
			Sn	06:12.30	1.25
ABAH	168.5	13	Pn	16:05:52.76	1.97
			Sn	06:11.06	-0.25
MORH	174.1	247	Pn	16:05:51.66	0.16
			Sn	06:13.32	0.75
PKSM	174.5	247	Pn	16:05:51.92	0.37
			Sn	06:13.52	0.86
PKSG	189.2	290	Sn	16:06:17.03	1.11
PKS9	189.9	262	Sn	16:06:17.13	1.07
CSKK	197.6	288	Sn	16:06:23.08	5.29*
TRPA	199.2	43	Sn	16:06:21.70	3.57
KOVH	218.4	248	Pn	16:05:58.63	1.61
GZR	223.5	135	Pn	16:05:58.08	0.43
			Sn	06:23.00	-0.53

1169.

 2023-08-19 time: 16:07:16.64 UTC ML= 2.0
 lat: 46.816N lon: 20.691E h= 11.8 km
 erh= 2.7km erz= 2.0km
 nr= 25 gap= 95 rms=0.96
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	62.7	329	Pg	16:07:27.84	-0.18
			Sg	07:38.08	1.18
PKSN	63.4	278	Pg	16:07:27.30	-0.86
			Sg	07:37.77	0.62
PKS6	89.4	254	Pg	16:07:32.09	-0.65
			Sg	07:45.14	-0.17
PKS2	118.7	252	Sn	16:07:52.43	-0.38
PKS7	119.3	282	Sn	16:07:52.20	-0.75
PKB3	122.6	249	Sn	16:07:52.67	-1.01
PSZ	136.5	334	Pn	16:07:38.31	-0.87
			Sn	07:54.99	-1.77
PKB1	145.0	269	Sn	16:07:59.49	0.84
BZS	151.3	152	Pn	16:07:42.35	1.33
PENC	152.0	315	Sn	16:07:59.90	-0.29
DRGR	154.2	91	Sn	16:08:00.74	0.04
SURR	161.7	137	Sn	16:08:00.40	-1.96
PKB4	163.7	257	Sn	16:08:04.07	1.28
ABAH	169.6	14	Pn	16:07:44.44	1.13

MORH 170.7 247 Pn 16:07:43.82 0.38
 Sn 08:05.08 0.74
 PKSM 171.0 247 Pn 16:07:43.74 0.26
 Sn 08:05.00 0.57
 PKSG 186.0 290 Sn 16:08:08.27 0.53
 KOVH 214.9 248 Sn 16:08:20.43 6.27*
 GZR 225.9 134 Pn 16:07:53.37 3.05
 Sn 08:15.17 -1.43

1170.

 2023-08-19 time: 16:11:40.11 UTC ML= 2.5
 lat: 46.749N lon: 20.948E h= 16.3 km
 erh= 5.6km erz= 5.5km
 nr= 8 gap=198 rms=0.68
 Locality: Kamut
 Comments:

sta	dist	azm	phase	hr mn sec	res
R1E1	80.5	63	S*	16:12:04.81	-1.06
PKSN	84.1	281	P*	16:11:54.90	-0.22
			S*	12:06.45	-0.37
LTVH	101.2	46	Sn	16:12:10.98	-0.40
PKS6	107.1	261	Sn	16:12:12.70	0.01
PSZ	152.5	329	Pn	16:12:05.00	0.93
			Sn	12:22.95	0.20
ABAH	173.4	7	Sn	16:12:29.18	1.77

1171.

 2023-08-19 time: 16:12:15.34 UTC ML= 2.5
 lat: 46.803N lon: 20.670E h= 16.7 km
 erh= 2.8km erz= 2.6km
 nr= 49 gap= 90 rms=1.33
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	62.1	280	Pg	16:12:25.69	-1.13
			Sg	12:36.65	0.88
BSZH	63.1	331	Pg	16:12:26.69	-0.31
			Sg	12:36.84	0.75
PKS6	87.5	255	P*	16:12:29.94	-0.89
			S*	12:42.28	-0.64
LTVH	113.7	55	Pn	16:12:33.72	-0.69
			Sn	12:49.17	-0.12
PKS2	116.7	253	Pn	16:12:34.18	-0.62
			Sn	12:49.43	-0.55
PKS7	118.1	283	Pn	16:12:34.35	-0.61
			Sn	12:49.55	-0.72
PKB3	120.6	250	Pn	16:12:35.14	-0.14
			Sn	12:49.18	-1.65
PSZ	137.1	335	Pn	16:12:36.20	-1.14
			Sn	12:53.15	-1.35
PKB1	143.4	269	Pn	16:12:38.90	0.78
			Sn	12:57.44	1.56
BUD	146.0	301	Sn	16:12:55.75	-0.72
PKB5	149.7	261	Pn	16:12:40.11	1.20
			Sn	12:59.86	2.57
BZS	150.8	151	Pn	16:12:38.96	-0.08
			Sn	12:56.73	-0.79
DRGR	155.9	90	Pn	16:12:39.54	-0.13
			Sn	12:58.28	-0.38
SURR	161.8	136	Pn	16:12:42.61	2.20
			Sn	12:58.64	-1.33
PKB4	161.8	258	Pn	16:12:39.34	-1.07
			Sn	12:59.24	-0.73
MORH	168.6	247	Pn	16:12:42.26	1.00
			Sn	12:59.79	-1.70
PKSM	169.0	247	Pn	16:12:39.63	-1.68
			Sn	13:00.00	-1.57
ABAH	171.5	14	Pn	16:12:41.88	0.26
			Sn	13:02.06	-0.06
PKS9	184.5	263	Sn	16:13:09.47	4.47
PKSG	185.0	291	Pn	16:12:45.77	2.46

Hypocenter Parameters

Földrengés paraméterek

KECS 187.3 356	ePn	16:12:42.20	-1.40
	eSn	13:07.20	1.56
CSKK 193.3 289	Sn	16:13:09.79	2.83
DEV 200.0 121	Sn	16:13:07.56	-0.90
TRPA 204.1 44	Pn	16:12:48.77	3.08
PKST 206.6 284	Pn	16:12:45.44	-0.57
	Sn	13:14.83	4.90
PKSV 212.1 241	Pn	16:12:49.77	3.09
	Sn	13:17.32	6.19*
KOVH 212.9 248	Pn	16:12:50.06	3.28
	Sn	13:17.51	6.20*
GZR 226.0 134	Pn	16:12:48.53	0.11
MODS 309.2 304	ePn	16:12:57.10	-1.70*
	eSn	13:29.20	-3.49*
RONA 345.8 287	Pn	16:13:02.16	-1.19*
WINA 375.7 293	Pn	16:13:06.06	-1.03*
	Sn	13:46.24	-1.22*
CONA 384.1 289	Pn	16:13:06.96	-1.18*
	Sn	13:47.09	-2.23*
ARSA 394.4 277	Pn	16:13:08.92	-0.50*
	Sn	13:50.91	-0.69*
SOKA 431.0 268	Pn	16:13:13.49	-0.50*
	Sn	13:58.08	-1.65*
ABNA 444.3 298	Pn	16:13:14.55	-1.09*
	Sn	14:01.26	-1.41*

1172.

2023-08-19 time: 16:20:03.74 UTC ML= 3.8
 lat: 46.817N lon: 20.681E h= 18.2 km
 erh= 0.9km erz= 1.5km
 nr= 60 gap= 80 rms=0.47
 Locality: Örménykút
 Comments: felt 4-5 MIS/IIS

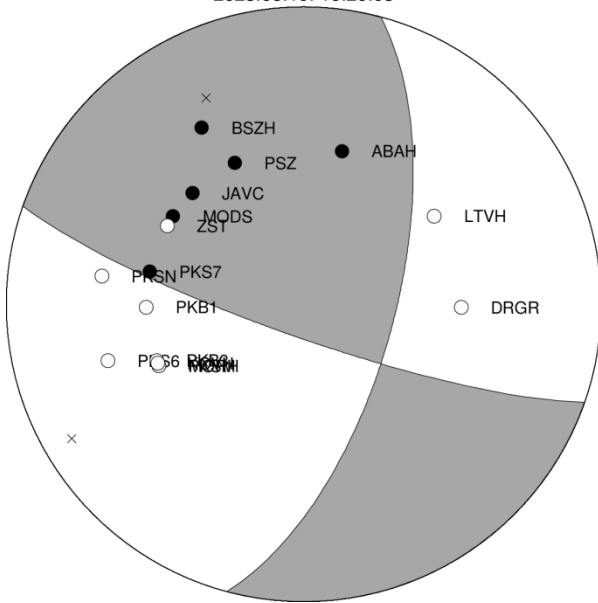
sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.2	330	P*U	16:20:15.05			-0.20
			S*	20:24.77			0.55
PKSN	62.7	278	P*D	16:20:15.19			-0.13
			S*	20:24.97			0.62
PKS6	88.7	254	P*D	16:20:19.26			-0.02
			S*	20:31.74			0.34
R1E1	96.6	73	S*	16:20:33.35			-0.18
LTVH	112.1	56	PnD	16:20:22.33			-0.09
			Sn	20:37.02			0.03
PKS2	118.0	252	Pn	16:20:23.27			0.10
			Sn	20:38.48			0.17
PKS7	118.6	282	PnU	16:20:23.37			0.14
			Sn	20:38.09			-0.35
PKB3	121.9	249	PnD	16:20:23.47			-0.18
			Sn	20:40.78			1.60
SF5A	126.1	309	Pn	16:20:24.44			0.27
			Sn	20:40.05			-0.05
TIM	127.1	161	Pn	16:20:24.95			0.66
			Sn	20:39.50			-0.82
PSZ	136.1	334	PnU	16:20:24.75			-0.67
			Sn	20:42.64			0.31
PKB1	144.2	269	PnD	16:20:26.30			-0.13
			Sn	20:44.55			0.42
PBUD	145.7	300	Sn	16:20:45.17			0.72
BUD	145.9	301	Pn	16:20:27.23			0.59
			Sn	20:43.53			-0.98
PKB5	150.8	261	Pn	16:20:27.13			-0.12
			Sn	20:45.30			-0.29
PENC	151.4	316	Pn	16:20:27.28			-0.05
BZS	151.7	152	Pn	16:20:28.04			0.68
DRGR	155.0	91	PnD	16:20:28.15			0.37
			Sn	20:46.42			-0.10
SURR	162.3	137	Pn	16:20:29.01			0.33
			Sn	20:48.10			-0.04
PKB4	162.9	257	Pn	16:20:28.45			-0.32
			Sn	20:48.00			-0.28
ABAH	169.7	14	PnU	16:20:28.81			-0.80
MORH	170.0	247	PnD	16:20:29.10			-0.55
			Sn	20:48.76			-1.09

PKSM 170.4 247	PnD	16:20:29.11	-0.58
	Sn	20:49.06	-0.87
PKSG 185.2 290	Pn	16:20:31.44	-0.11
PKS9 185.5 262	Pn	16:20:31.37	-0.21
KECS 185.9 355	Pn	16:20:31.80	0.18
CSKK 193.6 288	Pn	16:20:33.22	0.63
TRPA 202.4 44	Pn	16:20:32.53	-1.15
PKST 207.1 284	Pn	16:20:35.04	0.77
SRO 210.5 302	Pn	16:20:35.41	0.71
	Sn	20:58.78	-0.07
PKSV 213.5 241	Pn	16:20:34.54	-0.54
KOVH 214.2 248	PnD	16:20:34.64	-0.52
GZR 226.5 134	Pn	16:20:37.84	1.15
MPLH 242.2 279	Pn	16:20:38.73	0.08
BRJU 244.1 46	Pn	16:20:37.97	-0.91
EGYH 262.8 285	Pn	16:20:43.37	2.15*
	Sn	21:12.11	1.66*
LANS 274.8 341	ePn	16:20:43.60	0.88
STZU 284.4 31	Pn	16:20:44.44	0.53
MEZ 284.4 48	Pn	16:20:43.83	-0.08
NIE 290.6 355	Pn	16:20:45.35	0.66
STHS 292.1 8	Pn	16:20:45.40	0.53
RAKU 296.3 63	Pn	16:20:45.25	-0.14*
BEHE 301.5 263	Pn	16:20:45.94	-0.10*
SMOL 308.7 308	Pn	16:20:47.03	0.09*
MODS 309.0 304	PnU	16:20:46.98	0.00*
	Sn	21:19.26	-1.45*
ZST 310.2 300	PnD	16:20:47.18	0.06*
	Sn	21:19.96	-1.00*
JAVC 319.9 315	PnU	16:20:48.75	0.41*
SOP 326.6 287	Pn	16:20:49.41	0.23*
	Sn	21:24.44	-0.17*
KOGS 341.8 263	Pn	16:20:50.94	-0.12*
RONA 346.1 286	Pn	16:20:51.80	0.20*
BLY 356.1 230	Pn	16:20:52.87	0.02*
VOIR 370.8 114	Pn	16:20:56.17	1.48*
WINA 375.9 292	Pn	16:20:55.65	0.33*
	Sn	21:35.30	-0.25*
OJC 384.0 350	Pn	16:20:56.72	0.40*
CONA 384.4 289	Pn	16:20:56.42	0.04*
ARSA 395.0 277	Pn	16:20:57.79	0.09*
GROS 398.5 264	Pn	16:20:57.89	-0.25*
MORC 403.2 325	Pn	16:20:58.96	0.24*
KRUC 406.0 308	Pn	16:20:58.50	-0.58*
VRAC 411.8 312	Pn	16:20:59.47	-0.33*
CRES 417.2 255	Pn	16:20:59.92	-0.54*
PERS 425.9 267	Pn	16:21:00.84	-0.71*
SOKA 431.9 268	Pn	16:21:01.55	-0.75*
MLR 432.5 110	Pn	16:21:02.87	0.49*
ABNA 444.3 298	Pn	16:21:03.78	-0.07*
	Sn	21:49.57	-1.15*
KRLC 463.2 321	Pn	16:21:06.37	0.17*
OBKA 470.6 266	Pn	16:21:07.06	-0.07*
	Sn	21:55.49	-1.07*
VRI 477.4 103	Pn	16:21:08.70	0.73*
MOA 498.3 283	Pn	16:21:10.33	-0.25*
MYKA 538.6 268	Sn	16:22:10.55	-1.10*
BIOA 541.9 280	Pn	16:21:15.81	-0.21*
KBA 559.3 273	Pn	16:21:18.10	-0.09*
ZVC 564.2 301	ePn	16:21:18.60	-0.20*
LESA 611.2 276	Pn	16:21:24.80	0.15*
	Sn	22:27.65	-0.11*
ABTA 623.9 269	Sn	16:22:29.47	-1.12*
WTTA 689.2 274	Pn	16:21:33.84	-0.55*
WATA 693.9 275	Pn	16:21:34.55	-0.42*
SQTA 721.6 274	Pn	16:21:38.39	-0.04*
FETA 758.4 272	Pn	16:21:42.56	-0.45*
DAVA 822.4 274	Pn	16:21:50.39	-0.60*

Földrengés paraméterek

Hypocenter Parameters

2023.08.19. 16:20:03



1173.

2023-08-19 time: 16:30:11.85 UTC ML= 2.1
 lat: 46.804N lon: 20.696E h= 10.7 km
 erh= 2.6km erz= 2.0km
 nr= 27 gap= 96 rms=0.88
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	64.0	329	Pg	16:30:	23.48		0.05
			Sg		30:34.01		1.54
PKSN	64.0	279	Pg	16:30:	22.76		-0.68
			Sg		30:33.47		0.99
PKS6	89.5	255	Pg	16:30:	27.26		-0.68
			Sg		30:39.68		-0.81
PKS2	118.7	253	Pn	16:30:	31.98		-0.34
			Sn		30:47.67		-0.61
PKS7	120.0	283	Sn	16:30:	47.53		-1.04
PKB3	122.5	250	Pn	16:30:	32.41		-0.38
			Sn		30:48.32		-0.81
PSZ	137.9	334	Pn	16:30:	33.85		-0.85
			Sn		30:50.23		-2.30
PKB1	145.4	269	Sn	16:30:	55.50		1.30
BZS	149.9	152	Pn	16:30:	36.34		0.13
DRGR	153.9	91	Sn	16:30:	56.16		0.08
PKB4	163.8	258	Pn	16:30:	38.58		0.65
			Sn		30:59.31		1.03
MORH	170.5	247	Sn	16:31:	00.86		1.08
ABAH	170.8	14	Pn	16:30:	40.43		1.62
PKSM	170.9	247	Sn		30:59.69		-0.16
			Pn	16:30:	39.08		0.26
PKSG	186.8	290	Sn		31:01.24		1.37
			Pn	16:31:	07.33		3.93
KOVH	214.8	248	Pn	16:30:	45.10		0.81
			Sn		31:15.48		5.88*
GZR	224.7	134	Pn	16:30:	45.40		-0.13
			Sn		31:10.88		-0.92

1174.

2023-08-19 time: 17:05:29.00 UTC ML= 1.9
 lat: 46.785N lon: 20.798E h= 8.6 km
 erh= 4.7km erz= 2.5km
 nr= 12 gap=238 rms=0.59
 Locality: Kondoros
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	72.0	280	Pg	17:05:	41.65		-0.31
			Sg		05:52.82		0.76
PKS6	96.5	258	Sg	17:05:	59.30		-0.51
PKB3	129.2	252	Pn	17:05:	50.75		-0.29
			Sn		06:07.37		-0.86
PSZ	143.3	332	Pn	17:05:	52.93		0.14
			Sn		06:09.65		-1.70
PKB4	171.0	259	Sn	17:06:	18.22		0.71
ABAH	171.2	11	Sn	17:06:	17.67		0.11
MORH	177.0	249	Pn	17:05:	57.75		0.75
			Sn		06:19.31		0.47
PKSM	177.4	249	Sn	17:06:	19.55		0.63

1175.

2023-08-19 time: 17:11:35.34 UTC ML= 1.6
 lat: 46.832N lon: 20.760E h= 15.9 km
 erh= 4.5km erz= 2.4km
 nr= 6 gap=275 rms=0.30
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	68.5	276	Pg	17:11:	47.54		-0.35
			Sg		11:58.11		0.43
PKS6	95.0	254	S*	17:12:	04.81		-0.27
PSZ	137.4	332	Pn	17:11:	57.56		0.09
			Sn		12:14.62		-0.11
PKSM	176.6	247	Pn	17:12:	02.75		0.39

1176.

2023-08-19 time: 17:20:08.39 UTC ML= 2.5
 lat: 46.814N lon: 20.668E h= 17.0 km
 erh= 3.4km erz= 2.8km
 nr= 47 gap= 58 rms=1.47
 Locality: Csabacsúd
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	61.8	279	Pg	17:20:	18.94		-0.89
			Sg		20:28.46		-0.29
BSZH	62.0	331	Pg	17:20:	19.15		-0.72
			Sg		20:29.22		0.40
PKS6	87.7	254	P*	17:20:	23.04		-0.85
			S*		20:35.53		-0.45
LTVH	113.0	56	Pn	17:20:	26.46		-0.89
			Sn		20:42.00		-0.14
PKS2	117.0	252	Pn	17:20:	27.79		-0.05
PKS7	117.7	283	Sn		20:43.04		0.03
			Pn	17:20:	27.44		-0.49
PKB3	120.9	249	Sn		20:41.75		-1.42
			Pn	17:20:	27.57		-0.76
PSZ	136.0	335	Sn		20:42.66		-1.22
			Pn	17:20:	28.84		-1.37
PKB1	143.3	269	Sn		20:46.19		-1.03
			Pn	17:20:	32.25		1.13
BUD	145.2	301	Sn		20:51.08		2.24
			Pn	17:20:	49.07		-0.21
PKB5	149.8	261	Pn	17:20:	30.88		-1.05
			Sn		20:48.97		-1.32
PENC	150.9	316	Pn	17:20:	34.11		2.04
			Sn		20:53.61		3.07
BZS	151.9	151	Pn	17:20:	32.84		0.65
DRGR	156.0	91	Pn	17:20:	32.45		-0.25

Hypocenter Parameters

Földrengés paraméterek

		Sn	20:49.69	-1.97			
PKB4	161.9	257	Pn	17:20:34.96	1.52		
		Sn	20:51.73	-1.25			
MORH	169.0	247	Pn	17:20:35.56	1.24		
		Sn	20:53.23	-1.32			
PKSM	169.4	247	Pn	17:20:32.57	-1.80		
		Sn	20:53.09	-1.54			
ABAH	170.3	15	Pn	17:20:34.76	0.28		
		Sn	20:55.15	0.31			
PKSG	184.4	290	Pn	17:20:39.59	3.34		
PKS9	184.5	262	Pn	17:20:35.85	-0.41		
		Sn	21:02.96	4.97			
KECS	186.1	356	Pn	17:20:35.61	-0.84		
CSKK	192.7	288	Sn	17:20:59.59	-0.24		
FRGS	198.1	200	Sn	17:21:05.19	4.18		
TRPA	203.2	44	Pn	17:20:41.69	3.10		
TIH	211.9	273	Sn	17:21:10.45	6.38*		
PKSV	212.5	241	Pn	17:20:43.47	3.72		
		Sn	21:10.68	6.46*			
KOVH	213.2	248	Pn	17:20:38.78	-1.06		
		Sn	21:10.59	6.23*			
CJR	224.1	93	Sn	17:21:13.08	6.29*		
MODS	308.4	304	ePn	17:20:50.70	-1.01*		
		eSn	21:21.70	-3.79*			
RONA	345.3	287	Pn	17:20:55.64	-0.66*		
WINA	375.1	293	Pn	17:20:58.85	-1.18*		
		Sn	21:38.40	-1.90*			
CONA	383.6	289	Pn	17:21:00.01	-1.07*		
		Sn	21:40.05	-2.13*			
SOKA	430.9	268	Sn	17:21:50.56	-2.13*		
ABNA	443.6	298	Pn	17:21:07.90	-0.66*		
		Sn	21:52.48	-3.02*			

1177.

2023-08-19 time: 17:43:06.58 UTC ML= 2.1
 lat: 46.835N lon: 20.700E h= 16.5 km
 erh=11.5km erz= 5.2km
 nr= 8 gap=232 rms=1.10
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	63.8	276	Pg	17:43:17.22			-1.13
			Sg	43:28.45			0.91
PKS6	90.7	253	P*	17:43:22.03			-0.55
			S*	43:34.63			-0.42
PSZ	134.9	333	Sn	17:43:44.10			-1.19
ABAH	167.4	14	Sn	17:43:54.82			2.32
MORH	172.1	246	Sn	17:43:54.82			1.27
PKSM	172.5	246	Sn	17:43:54.74			1.11

1178.

2023-08-19 time: 17:51:21.56 UTC ML= 2.0
 lat: 46.825N lon: 20.746E h= 13.9 km
 erh= 3.0km erz= 2.0km
 nr= 18 gap=141 rms=0.69
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	64.1	325	Pg	17:51:33.74			0.47
			Sg	51:42.89			0.48
PKSN	67.5	277	Pg	17:51:33.06			-0.81
			Sg	51:43.39			-0.08
PKS6	93.8	254	P*	17:51:37.83			-0.44
			S*	51:50.74			-0.56
PKS2	123.0	252	Sn	17:51:57.47			-0.75
PKB3	126.9	249	Sn	17:51:58.57			-0.51
PSZ	137.5	332	Pn	17:51:43.86			-0.10
			Sn	52:00.21			-1.22
BZS	150.2	153	Sn	17:52:03.57			-0.68
ABAH	167.7	13	Sn	17:52:10.78			2.65
PKB4	168.0	257	Sn	17:52:09.30			1.10

MORH	174.9	247	Pn	17:51:49.35			0.72
			Sn	52:10.78			1.04
PKSM	175.3	247	Pn	17:51:49.30			0.62
			Sn	52:10.62			0.80
PKSG	189.6	289	Sn	17:52:14.04			1.06

1179.

2023-08-19 time: 18:06:41.82 UTC ML= 2.1
 lat: 46.821N lon: 20.702E h= 13.2 km
 erh= 2.4km erz= 2.1km
 nr= 31 gap= 95 rms=0.89
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.7	328	Pg	18:06:53.37			0.12
			Sg	07:03.41			1.24
PKSN	64.2	278	Pg	18:06:52.68			-0.85
			Sg	07:02.96			0.30
PKS6	90.4	254	P*	18:06:57.08			-1.00
			S*	07:09.55			-1.22
PKS2	119.7	252	Pn	18:07:01.69			-0.40
			Sn	07:17.58			-0.33
PKS7	120.1	282	Sn	18:07:17.57			-0.41
PKB3	123.6	249	Pn	18:07:02.19			-0.39
			Sn	07:17.98			-0.79
PSZ	136.4	333	Pn	18:07:03.26			-0.92
			Sn	07:19.55			-2.07
PKB1	145.9	268	Pn	18:07:06.28			0.93
BZS	151.3	152	Pn	18:07:05.69			-0.34
			Sn	07:26.93			2.01
PENC	152.2	315	Sn	18:07:24.63			-0.49
PKB5	152.5	261	Pn	18:07:06.38			0.20
			Sn	07:25.73			0.55
DRGR	153.4	91	Pn	18:07:06.73			0.44
			Sn	07:23.45			-1.93
PKB4	164.6	257	Sn	18:07:29.00			1.12
ABAH	168.9	14	Pn	18:07:09.84			1.61
			Sn	07:29.54			0.71
MORH	171.7	247	Pn	18:07:08.91			0.34
			Sn	07:30.43			0.99
PKSM	172.0	247	Pn	18:07:08.91			0.29
			Sn	07:30.88			1.36
PKSG	186.6	290	Sn	18:07:34.34			1.59
KOVH	215.9	248	Sn	18:07:45.62			6.36*
GZR	225.6	135	Pn	18:07:15.64			0.34
			Sn	07:41.77			0.36

1180.

2023-08-19 time: 18:32:25.40 UTC ML= 1.8
 lat: 46.899N lon: 20.691E h= 17.1 km
 erh= 5.3km erz= 2.3km
 nr= 8 gap=272 rms=0.49
 Locality: Gyomaendrőd
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	62.8	270	Pg	18:32:36.68			-0.34
			Sg	32:46.39			0.31
PKS6	92.3	249	S*	18:32:53.20			-1.01
PSZ	128.3	332	Pn	18:32:46.23			-0.01
			Sn	33:02.66			0.16
MORH	174.4	244	Pn	18:32:52.14			0.15
			Sn	33:13.39			0.66
PKSM	174.8	244	Sn	18:33:14.05			1.23

Földrengés paraméterek

Hypocenter Parameters

1181.

2023-08-19 time: 18:41:55.44 UTC ML= 2.0
 lat: 46.806N lon: 20.715E h= 13.3 km
 erh= 2.7km erz= 2.4km
 nr= 34 gap= 80 rms=1.15
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	64.6	328	Pg	18:42:06.86	-0.35
			Sg	42:17.03	0.64
PKSN	65.4	279	Pg	18:42:06.86	-0.50
			Sg	42:17.34	0.68
PKS6	90.9	255	P*	18:42:10.61	-1.16
			S*	42:23.84	-0.67
PKS2	120.1	253	Sn	18:42:31.20	-0.40
PKS7	121.4	283	Sn	18:42:30.80	-1.07
PKB3	123.9	250	Pn	18:42:15.93	-0.30
			Sn	42:31.59	-0.85
TIM	125.1	162	Sn	18:42:30.94	-1.76
PSZ	138.3	333	Pn	18:42:17.60	-0.42
			Sn	42:33.39	-2.25
PKB1	146.8	269	Pn	18:42:20.17	1.09
			Sn	42:37.24	-0.28
BZS	149.4	152	Pn	18:42:20.00	0.60
			Sn	42:39.96	1.86
DRGR	152.4	91	Sn	18:42:37.79	-0.98
PKB5	153.2	261	Sn	18:42:39.41	0.48
SURR	159.6	137	Sn	18:42:38.49	-1.88
PKB4	165.2	258	Sn	18:42:42.93	1.32
ABAH	170.3	13	Sn	18:42:42.70	-0.04
MORH	171.9	248	Pn	18:42:21.96	-0.25
			Sn	42:43.72	0.63
PKSM	172.3	247	Pn	18:42:22.20	-0.06
			Sn	42:44.03	0.85
KECS	187.3	355	eSn	18:42:48.60	2.10
PKSG	188.1	290	Sn	18:42:47.79	1.11
CSKK	196.4	288	Sn	18:42:54.03	5.50*
TRPA	201.5	43	Pn	18:42:27.51	1.61
			Sn	42:52.19	2.53
PKSV	215.3	242	Pn	18:42:32.12	4.50
KOVH	216.2	248	Pn	18:42:31.02	3.29
GZR	223.8	135	Pn	18:42:27.70	-0.98

1182.

2023-08-19 time: 19:09:31.64 UTC ML= 1.9
 lat: 46.805N lon: 20.746E h= 16.6 km
 erh= 3.3km erz= 1.6km
 nr= 9 gap=278 rms=0.35
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	65.9	327	Sg	19:09:53.01	-0.23
PKSN	67.8	279	Pg	19:09:43.93	-0.16
			Sg	09:54.42	0.61
PKS6	93.2	256	P*	19:09:47.73	-0.27
			S*	10:00.99	0.22
PKS2	122.4	253	Sn	19:10:07.63	0.09
PKB3	126.1	250	Sn	19:10:08.44	0.06
PSZ	139.5	333	Pn	19:09:54.38	0.44
			Sn	10:10.54	-0.79

1183.

2023-08-19 time: 19:17:43.21 UTC ML= 1.8
 lat: 46.784N lon: 20.812E h= 15.3 km
 erh= 3.7km erz= 2.8km
 nr= 6 gap=287 rms=0.19
 Locality: Kondoros
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	70.8	324	Sg	19:18:06.34	0.11
PKSN	73.2	280	Pg	19:17:56.43	-0.14
			Sg	18:07.00	0.02
PKS6	97.6	258	P*	19:18:00.39	0.01
PSZ	143.9	331	Pn	19:18:06.42	0.18
			Sn	18:23.08	-1.11

1184.

2023-08-19 time: 19:23:51.90 UTC ML= 2.0
 lat: 46.775N lon: 20.780E h= 14.7 km
 erh= 4.2km erz= 2.4km
 nr= 8 gap=280 rms=0.40
 Locality: Kondoros
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	70.1	326	Sg	19:24:14.82	0.14
PKSN	71.0	281	Pg	19:24:04.46	-0.38
			Sg	24:15.58	0.65
PKS6	95.0	258	P*	19:24:08.61	-0.12
			S*	24:21.76	-0.10
PKB3	127.6	252	Sn	19:24:29.63	0.23
PSZ	143.6	332	Pn	19:24:15.38	0.41
			Sn	24:31.78	-1.18

1185.

2023-08-19 time: 23:52:39.16 UTC ML= 1.7
 lat: 46.783N lon: 20.820E h= 11.4 km
 erh= 3.8km erz= 2.6km
 nr= 15 gap=160 rms=0.74
 Locality: Kondoros
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	71.2	324	Pg	23:52:52.03	0.00
			Sg	53:03.06	0.99
PKSN	73.8	280	Pg	23:52:51.87	-0.62
			Sg	53:03.21	0.33
PKS6	98.2	258	P*	23:52:56.30	-0.47
			S*	53:09.53	-0.99
PKS2	127.2	255	Sn	23:53:17.01	-0.32
PKS7	129.8	283	Sn	23:53:18.68	0.79
PKB3	130.8	252	Sn	23:53:18.03	-0.09
PSZ	144.3	331	Pn	23:53:02.44	-0.29
			Sn	53:19.19	-1.93
DRGR	144.4	90	Sn	23:53:21.38	0.23
MORH	178.5	249	Sn	23:53:30.20	1.48
PKSM	178.9	249	Pn	23:53:08.31	1.26
			Sn	53:29.73	0.93

1186.

2023-08-19 time: 23:59:20.18 UTC ML= 2.0
 lat: 46.834N lon: 20.719E h= 11.8 km
 erh= 2.8km erz= 2.5km
 nr= 38 gap= 94 rms=1.22
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	62.1	326	Pg	23:59:31.14	-0.33
			Sg	59:39.83	-0.45
PKSN	65.3	276	Pg	23:59:31.46	-0.57
			Sg	59:41.74	0.47
PKS6	92.0	254	Pg	23:59:35.92	-0.83
			Sg	59:48.61	-1.06
LTVH	108.6	56	Pn	23:59:38.81	-0.44
			Sn	59:52.71	-1.42
PKS7	121.0	281	Pn	23:59:40.13	-0.66
			Sn	59:54.74	-2.13
PKS2	121.3	252	Pn	23:59:40.06	-0.78
			Sn	59:55.63	-1.32

Hypocenter Parameters

PKB3	125.3	249	Pn	23:59:40.20	-1.13
			Sn	59:55.77	-2.06
PSZ	135.7	333	Pn	23:59:41.68	-0.95
			Sn	59:58.31	-1.82
PKB1	147.2	268	Pn	23:59:45.03	0.97
BZS	152.0	153	Pn	23:59:44.61	-0.06
			Sn	24:00:03.38	-0.38
PENC	152.0	314	Sn	23:60:04.70	0.93
DRGR	152.2	92	Pn	23:59:46.60	1.92
			Sn	24:00:03.52	-0.27
PKB5	153.9	260	Sn	23:60:05.22	1.03
SURR	161.7	138	Pn	23:59:45.62	-0.25
			Sn	24:00:04.65	-1.26
PKB4	166.1	257	Pn	23:59:48.07	1.64
			Sn	24:00:08.83	1.93
ABAH	167.2	14	Pn	23:59:47.81	1.25
			Sn	24:00:06.58	-0.55
MORH	173.4	247	Pn	23:59:49.07	1.74
			Sn	24:00:10.52	2.02
PKSM	173.8	247	Pn	23:59:49.05	1.67
			Sn	24:00:10.90	2.31
KECS	184.2	355	ePn	23:59:50.10	1.42
PKST	209.4	283	Sn	23:60:21.37	4.87*
KOVH	217.6	248	Pn	23:59:55.95	3.11
			Sn	24:00:23.91	5.60*
GZR	225.7	135	Pn	23:59:54.41	0.55
			Sn	24:00:19.32	-0.80

1187.

2023-08-20 time: 0:36:30.20 UTC ML= 1.8
 lat: 46.817N lon: 20.687E h= 15.7 km
 erh= 2.6km erz= 2.2km
 nr= 24 gap= 95 rms=0.87
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	62.4	329	Pg	0:36:41.92	0.22
			Sg	36:51.27	0.60
PKSN	63.1	278	Pg	0:36:40.98	-0.84
			Sg	36:50.68	-0.19
PKS6	89.1	254	P*	0:36:45.20	-0.84
			S*	36:57.33	-1.06
LTVH	111.7	56	Pn	0:36:49.20	0.04
			Sn	37:03.15	-0.80
PKS2	118.4	252	Sn	0:37:05.24	-0.19
PKS7	119.0	282	Sn	0:37:05.16	-0.40
PKB3	122.3	249	Sn	0:37:06.10	-0.20
PSZ	136.3	334	Pn	0:36:51.97	-0.25
			Sn	37:08.21	-1.19
BZS	151.5	152	Pn	0:36:56.00	1.88
DRGR	154.6	91	Pn	0:36:54.36	-0.14
			Sn	37:12.83	-0.63
SURR	162.0	137	Sn	0:37:13.68	-1.42
PKB4	163.4	257	Sn	0:37:17.06	1.65
ABAH	169.7	14	Pn	0:36:58.98	2.60
			Sn	37:17.37	0.57
MORH	170.4	247	Pn	0:36:56.94	0.47
			Sn	37:17.92	0.95
PKSM	170.8	247	Pn	0:36:57.02	0.50
			Sn	37:18.23	1.18

1188.

2023-08-20 time: 0:37:15.07 UTC ML= 1.7
 lat: 46.825N lon: 20.704E h= 15.1 km
 erh= 2.7km erz= 2.2km
 nr= 19 gap=155 rms=0.66
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	62.3	328	Pg	0:37:26.21	-0.31
			Sg	37:35.92	0.46

Földrengés paraméterek

PKSN	64.3	277	Sg	0:37:36.46	0.39
PKS6	90.7	254	P*	0:37:30.05	-1.14
			S*	37:43.59	-0.18
LTVH	110.1	56	Sn	0:37:48.73	0.16
PKS2	120.0	252	Pn	0:37:34.82	-0.31
			Sn	37:50.71	-0.06
PKS7	120.1	282	Sn	0:37:50.21	-0.59
PKB3	123.9	249	Sn	0:37:51.02	-0.62
PSZ	136.1	333	Pn	0:37:37.40	0.27
			Sn	37:52.66	-1.68
DRGR	153.2	91	Pn	0:37:40.03	0.76
			Sn	37:57.60	-0.55
PKB4	164.9	257	Sn	0:38:01.74	1.01
MORH	172.0	247	Pn	0:37:42.39	0.78
			Sn	38:03.54	1.23
PKSM	172.4	247	Pn	0:37:41.94	0.28
			Sn	38:03.31	0.91

1189.

2023-08-20 time: 0:41:42.54 UTC ML= 1.8
 lat: 46.827N lon: 20.694E h= 12.1 km
 erh= 4.0km erz= 2.5km
 nr= 14 gap=155 rms=0.84
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	61.7	328	Pg	0:41:54.13	0.35
			Sg	42:03.84	1.30
PKSN	63.5	277	Pg	0:41:53.98	-0.10
			Sg	42:04.23	1.15
PKS6	89.9	254	Pg	0:41:57.73	-1.02
			Sg	42:10.73	-0.66
PKS2	119.3	252	Sn	0:42:19.05	0.27
PKB3	123.2	249	Sn	0:42:18.60	-1.06
PSZ	135.5	334	Pn	0:42:04.77	-0.15
			Sn	42:20.55	-1.83
DRGR	154.1	91	Sn	0:42:27.42	0.92
ABAH	168.4	14	Sn	0:42:29.35	-0.33
MORH	171.3	247	Sn	0:42:31.62	1.29
PKSM	171.7	247	Sn	0:42:31.46	1.05

1190.

2023-08-20 time: 1:25:17.61 UTC ML= 1.9
 lat: 46.822N lon: 20.704E h= 11.4 km
 erh= 1.9km erz= 1.6km
 nr= 29 gap= 95 rms=0.75
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	62.6	328	Pg	1:25:29.32	0.34
			Sg	25:38.94	1.09
PKSN	64.3	277	Pg	1:25:28.83	-0.44
			Sg	25:38.96	0.59
PKS6	90.5	254	Pg	1:25:33.08	-0.82
			Sg	25:45.57	-1.04
LTVH	110.4	55	Pn	1:25:36.79	-0.15
			Sn	25:50.46	-1.56
PKS2	119.8	252	Sn	1:25:53.02	-1.10
PKB3	123.7	249	Pn	1:25:37.97	-0.64
			Sn	25:53.99	-0.99
PSZ	136.4	333	Pn	1:25:40.28	0.10
			Sn	25:55.83	-1.96
PKB1	146.0	268	Sn	1:26:00.93	1.01
BZS	151.3	152	Pn	1:25:42.05	0.00
			Sn	26:02.34	1.23
PKB5	152.6	260	Sn	1:26:01.48	0.09
DRGR	153.3	91	Pn	1:25:42.45	0.16
			Sn	26:01.01	-0.54
PKB4	164.7	257	Sn	1:26:04.67	0.58
ABAH	168.8	14	Pn	1:25:45.25	1.02
			Sn	26:04.87	-0.12

Földrengés paraméterek

Hypocenter Parameters

MORH 171.8 247 Pn 1:25:45.35 0.75
 Sn 26:06.71 1.06
 PKSM 172.2 247 Pn 1:25:45.00 0.36
 Sn 26:06.61 0.88
 PKSG 186.7 290 Sn 1:26:09.93 0.98
 PKS9 187.3 262 Sn 1:26:13.33 4.24*
 GZR 225.6 135 Pn 1:25:51.74 0.43
 Sn 26:17.60 0.00

BRIU 244.1 46 Pn 1:53:33.01 -0.73
 LANS 274.1 341 Pn 1:53:38.02 0.54
 DJES 282.8 149 Pn 1:53:38.44 -0.12
 MEZ 284.5 49 Pn 1:53:38.90 0.13
 NIE 290.0 355 Pn 1:53:40.61 1.14
 STHS 291.6 8 Pn 1:53:40.53 0.86
 RAKU 296.5 63 Pn 1:53:40.34 0.06*
 BEHE 301.0 263 Pn 1:53:40.48 -0.35*
 SMOL 307.9 308 Pn 1:53:41.58 -0.11*
 MODS 308.2 304 PnU 1:53:41.88 0.14*
 Sn 54:14.08 -1.41*

1191.

2023-08-20 time: 1:52:58.47 UTC ML= 4.2
 lat: 46.822N lon: 20.673E h= 17.2 km
 erh= 1.3km erz= 1.3km
 nr= 60 gap= 41 rms=0.64
 Locality: Csabacsúd
 Comments: felt 5 MIS/IIS

ZST 309.4 300 Pn 1:53:42.02 0.14*
 Sn 54:15.01 -0.73*
 JAVC 319.1 315 Pn 1:53:43.65 0.55*
 SOP 325.9 287 Pn 1:53:44.17 0.23*
 Sn 54:19.39 -0.02*
 RONA 345.4 286 Pn 1:53:46.51 0.14*
 Sn 54:23.97 0.24*
 KWP 347.0 26 Pn 1:53:46.96 0.38*
 VOIR 371.6 114 Pn 1:53:50.97 1.33*
 PTJ 377.1 254 Pn 1:53:49.50 -0.82*
 OJC 383.3 350 Pn 1:53:51.56 0.46*
 CONA 383.7 289 Pn 1:53:51.18 0.04*
 Sn 54:32.55 0.32*
 ARSA 394.3 277 Pn 1:53:52.72 0.24*
 Sn 54:33.87 -0.73*
 GROS 398.0 264 Pn 1:53:51.86 -1.07*
 Sn 54:34.47 -0.94*
 GOLS 398.5 257 iPn 1:53:52.07 -0.92*
 MORC 402.4 325 Pn 1:53:53.71 0.23*
 KRUC 405.2 308 Pn 1:53:53.50 -0.33*
 Sn 54:37.57 0.56*
 VRAC 411.0 312 Pn 1:53:54.53 -0.02*
 SOKA 431.3 268 Pn 1:53:56.52 -0.57*
 Sn 54:42.10 -0.71*
 MLR 433.3 110 Pn 1:53:58.61 1.28*
 BOJS 443.6 251 ePn 1:53:58.13 -0.49*
 KRLC 462.4 321 Pn 1:54:01.49 0.53*
 TREC 474.4 305 ePn 1:54:02.40 -0.06*
 eSn 54:50.90 -1.47*
 VRI 478.0 103 Pn 1:54:03.32 0.41*
 DPC 507.0 321 ePn 1:54:06.90 0.38*
 eSn 54:56.60 -2.99*
 VOJS 528.9 260 iPn 1:54:09.84 0.58*
 UPC 534.7 320 ePn 1:54:10.10 0.13*
 TRI 546.8 257 Sn 1:55:08.06 -0.39*
 KBA 558.7 273 Pn 1:54:13.37 0.41*
 Sn 55:10.45 -0.62*
 KBA 558.7 273 Pn 1:54:13.37 0.41*
 Sn 55:10.45 -0.62*
 ZVC 563.4 301 ePn 1:54:13.20 -0.36*
 eSn 55:10.00 -2.13*
 PRU 574.6 308 ePn 1:54:14.70 -0.24*
 eSn 55:10.70 -3.90*
 PRA 586.2 308 ePn 1:54:17.00 0.60*
 KHC 588.7 296 ePn 1:54:16.50 -0.21*
 eSn 55:14.50 -3.23*
 PVCC 609.9 313 ePn 1:54:18.00 -1.36*
 eSn 55:18.10 -4.35*
 NKC 716.3 302 ePn 1:54:32.10 -0.52*
 DAVA 821.7 274 Pn 1:54:46.50 0.74*

sta	dist	azm	phase	hr	mn	sec	res
BSZH	61.4	330	PgU	1:53:09.99			0.13
			Sg	53:19.58			0.83
PKSN	62.0	278	PgD	1:53:10.03			0.07
			Sg	53:19.22			0.29
PKS6	88.3	254	P*D	1:53:14.07			0.03
			S*	53:25.21			-0.98
LTVH	112.2	56	PnU	1:53:16.91			-0.39
			Sn	53:31.49			-0.50
PKS2	117.6	252	PnD	1:53:17.96			-0.01
			Sn	53:33.43			0.24
PKS7	117.9	282	PnU	1:53:17.85			-0.15
			Sn	53:33.32			0.08
PKB3	121.6	249	PnD	1:53:18.16			-0.30
			Sn	53:33.53			-0.53
SF5A	125.3	309	PnU	1:53:18.82			-0.10
TIM	127.8	161	Pn	1:53:20.18			0.94
PSZ	135.4	334	PnU	1:53:19.59			-0.59
			Sn	53:37.75			0.63
PKB1	143.7	268	PnD	1:53:21.00			-0.22
PBUD	144.9	300	Pn	1:53:21.33			-0.04
			Sn	53:39.70			0.46
BUD	145.1	300	PnU	1:53:20.66			-0.74
			Sn	53:38.67			-0.62
PKB5	150.3	260	PnD	1:53:21.91			-0.14
PENC	150.6	316	PnU	1:53:21.88			-0.20
BZS	152.5	151	PnU	1:53:22.73			0.42
DRGR	155.6	91	PnU	1:53:22.73			0.03
PKB4	162.5	257	Pn	1:53:23.34			-0.22
			Sn	53:47.32			4.18
SURR	163.1	137	PnU	1:53:24.10			0.46
ABAH	169.4	15	PnU	1:53:23.61			-0.81
MORH	169.7	247	PnD	1:53:23.87			-0.59
			Sn	53:48.04			3.31
PKSM	170.0	246	PnD	1:53:23.89			-0.62
			Sn	53:48.35			3.53
PKSG	184.5	290	PnU	1:53:25.95			-0.36
			Sn	53:52.77			4.74*
PKS9	185.0	262	PnD	1:53:26.14			-0.23
KECS	185.3	356	Pn	1:53:26.64			0.24
CSKK	192.8	288	PnD	1:53:27.36			0.01
			Sn	53:54.63			4.75*
FRGS	199.0	200	PnU	1:53:28.03			-0.09
DEV	200.9	121	Pn	1:53:28.85			0.50
TRPA	202.4	44	PnU	1:53:27.43			-1.11
PKST	206.4	284	PnU	1:53:30.29			1.25
			Sn	53:58.95			6.07*
SRO	209.7	302	PnD	1:53:30.34			0.88
TIH	212.2	272	Pn	1:53:29.62			-0.14
PKSV	213.3	241	Pn	1:53:29.45			-0.45
KOVH	213.9	248	PnD	1:53:29.35			-0.62
			Sn	54:01.11			6.56*
CJR	223.7	93	Pn	1:53:31.89			0.69
GZR	227.3	134	Pn	1:53:32.79			1.15
HOLU	229.0	34	Pn	1:53:30.99			-0.87
BMR	233.8	66	Pn	1:53:33.00			0.55
MPLH	241.5	279	Pn	1:53:33.77			0.35

1192.

2023-08-20 time: 1:59:50.38 UTC ML= 2.3
 lat: 46.834N lon: 20.721E h= 15.2 km
 erh= 3.2km erz= 3.1km
 nr= 45 gap= 88 rms=1.48
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.1	326	Pg	2:00:01.62			-0.19
			Sg	00:10.85			0.13
PKSN	65.4	276	Pg	2:00:01.15			-1.23

Hypocenter Parameters

Station	Dist	Azm	Phase	hr	mn	sec	res
PKS6	92.2	254	Sg	00:12.01		0.27	
			P*	2:00:05.25		-1.47	
			S*	00:18.10		-1.37	
LTVH	108.5	56	Pn	2:00:08.07		-0.92	
			Sn	00:22.40		-1.11	
PKS7	121.1	281	Pn	2:00:10.49		-0.08	
			Sn	00:24.95		-1.36	
PKS2	121.5	252	Pn	2:00:10.15		-0.47	
			Sn	00:24.96		-1.44	
PKB3	125.5	249	Pn	2:00:10.40		-0.71	
			Sn	00:25.56		-1.72	
PSZ	135.7	333	Pn	2:00:11.07		-1.32	
			Sn	00:28.12		-1.43	
PKB1	147.3	268	Pn	2:00:12.81		-1.02	
			Sn	00:33.91		1.78	
BUD	147.5	299	Sn	2:00:31.39		-0.79	
DRGR	152.0	92	Pn	2:00:14.07		-0.35	
			Sn	00:31.87		-1.30	
BZS	152.0	153	Pn	2:00:16.05		1.63	
			Sn	00:36.23		3.06	
PENC	152.1	314	Pn	2:00:15.85		1.42	
SURR	161.6	138	Pn	2:00:15.23		-0.39	
			Sn	00:33.82		-1.49	
ABAH	167.1	14	Pn	2:00:17.99		1.69	
			Sn	00:38.50		1.98	
MORH	173.5	247	Pn	2:00:17.79		0.69	
			Sn	00:40.10		2.15	
PKSM	173.9	247	Pn	2:00:17.84		0.69	
PKSG	187.4	289	Pn	2:00:21.41		2.58	
PKS9	188.7	262	Pn	2:00:17.93		-1.07	
			Sn	00:45.55		4.23	
TRPA	198.9	44	Pn	2:00:23.39		3.13	
PKST	209.5	283	Sn	2:00:51.83		5.89	
SRO	212.0	301	Pn	2:00:21.79		-0.12	
TIH	215.7	272	Sn	2:00:53.86		6.55*	
PKSV	217.1	241	Sn	2:00:54.44		6.82*	
KOVH	217.7	248	Pn	2:00:25.75		3.13	
			Sn	00:53.28		5.52	
CJR	220.2	94	Sn	2:00:54.34		6.04	
GZR	225.7	135	Pn	2:00:23.44		-0.16	
			Sn	00:48.93		-0.59	
UZH	232.0	31	Sn	2:00:49.51		-1.41	

1193.

2023-08-20 time: 2:15:12.77 UTC ML= 1.7
 lat: 46.847N lon: 20.666E h= 15.4 km
 erh= 5.1km erz= 3.7km
 nr= 7 gap=153 rms=0.73
 Locality: Csabacsúd
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	58.8	329	Sg	2:15:32.88		0.79	
PKSN	61.2	275	Pg	2:15:23.77		-0.26	
			Sg	15:33.20		0.38	
PKS6	88.6	252	S*	2:15:40.24		-0.61	
PSZ	132.7	334	Sn	2:15:49.79		-1.43	
DRGR	156.2	92	Sn	2:15:56.75		0.31	
MORH	170.2	246	Sn	2:16:00.90		1.33	

1194.

2023-08-20 time: 2:28:20.17 UTC ML= 1.6
 lat: 46.898N lon: 20.672E h= 17.5 km
 erh= 5.4km erz= 3.2km
 nr= 8 gap=151 rms=0.77
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	61.3	270	Pg	2:28:31.47		-0.09	
			Sg	28:40.98		0.54	
PKS6	90.9	249	S*	2:28:47.59		-0.95	
PKS7	116.2	278	Sn	2:28:56.39		1.89	

Földrengés paraméterek

Station	Dist	Azm	Phase	hr	mn	sec	res
PKB3	124.8	245	Sn	2:28:55.50		-0.90	
PSZ	127.7	333	Pn	2:28:40.82		-0.07	
			Sn	28:56.51		-0.55	
DRGR	156.0	94	Sn	2:29:04.38		1.05	

1195.

2023-08-20 time: 2:31:14.32 UTC ML= 1.6
 lat: 46.823N lon: 20.759E h= 19.8 km
 erh= 4.0km erz= 5.1km
 nr= 7 gap=283 rms=0.30
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	64.9	325	S*	2:31:35.29		0.03	
PKSN	68.5	277	P*	2:31:26.94		0.30	
			S*	31:36.66		0.41	
PKS6	94.7	255	P*	2:31:30.26		-0.36	
			S*	31:43.04		-0.29	
PSZ	138.2	332	Pn	2:31:36.23		0.17	
			Sn	31:52.63		-0.38	

1196.

2023-08-20 time: 3:13:35.26 UTC ML= 3.5
 lat: 46.872N lon: 20.657E h= 14.7 km
 erh= 2.5km erz= 2.4km
 nr= 56 gap= 42 rms=1.24
 Locality: Csabacsúd
 Comments: felt 4-5 MIS/IIIS

sta	dist	azm	phase	hr	mn	sec	res
BSZH	56.0	328	PgU	3:13:45.77		0.16	
			Sg	13:55.52		1.84	
PKSN	60.3	273	PgD	3:13:45.80		-0.54	
			Sg	13:55.83		0.85	
PKS6	88.8	250	P*	3:13:49.95		-1.19	
			S*	14:02.45		-1.08	
LTVH	110.3	59	Pn	3:13:54.41		0.25	
			Sn	14:09.77		0.87	
PKS7	115.6	280	Pn	3:13:55.28		0.46	
			Sn	14:09.18		-0.90	
PKS2	118.3	249	Pn	3:13:53.97		-1.19	
			Sn	14:10.22		-0.46	
SF5A	120.8	307	Pn	3:13:56.53		1.05	
PKB3	122.5	246	Pn	3:13:55.32		-0.37	
			Sn	14:09.60		-2.03	
PSZ	129.8	334	Pn	3:13:55.34		-1.26	
			Sn	14:13.22		-0.03	
PBUD	141.1	298	Sn	3:14:16.43		0.68	
BUD	141.3	299	Pn	3:13:56.90		-1.13	
			Sn	14:14.57		-1.22	
PKB1	142.6	266	Pn	3:13:59.00		0.80	
			Sn	14:17.32		1.23	
PENC	145.8	314	Pn	3:13:57.82		-0.77	
			Sn	14:17.46		0.68	
PKB5	150.1	258	Pn	3:13:57.73		-1.39	
			Sn	14:19.02		1.28	
DRGR	157.0	93	Pn	3:13:58.43		-1.55	
			Sn	14:17.98		-1.29	
BZS	157.9	152	Pn	3:14:00.71		0.61	
			Sn	14:19.55		0.07	
PKB4	162.5	255	Pn	3:14:02.45		1.77	
			Sn	14:22.94		2.43	
ABAH	164.3	15	Pn	3:13:59.53		-1.37	
			Sn	14:22.54		1.64	
SURR	168.0	138	Pn	3:14:00.06		-1.30	
BANR	169.6	167	Sn	3:14:22.61		0.53	
MORH	170.8	245	Pn	3:14:02.70		1.00	
			Sn	14:24.02		1.69	
PKSM	171.1	245	Pn	3:14:02.78		1.03	
			Sn	14:24.09		1.67	
KECS	179.6	356	Pn	3:14:02.44		-0.37	
PKSG	181.4	289	Pn	3:14:02.00		-1.03	

Földrengés paraméterek

PKS9	184.5	260	Pn	3:14:02.02	-1.40
TRPA	199.2	45	Pn	3:14:08.76	3.51
PKST	203.8	282	Pn	3:14:06.28	0.45
			Sn	14:35.38	5.71*
FRGS	203.9	199	Pn	3:14:04.35	-1.48
SRO	205.7	301	Pn	3:14:06.11	0.04
TIH	210.7	271	Pn	3:14:05.75	-0.94
			Sn	14:37.45	6.25*
KOVH	214.8	246	Pn	3:14:10.39	3.19
			Sn	14:37.61	5.50*
PKSV	214.9	239	Pn	3:14:10.30	3.09
CJR	225.2	94	Sn	3:14:41.35	6.93*
GZR	232.0	135	Pn	3:14:08.76	-0.58
EGYH	259.4	284	Pn	3:14:13.62	0.86
NIE	284.4	355	Pn	3:14:16.31	0.44
STHS	286.3	9	Pn	3:14:16.63	0.52
BEHE	300.4	261	Pn	3:14:16.99	-0.88*
SMOL	303.4	307	Pn	3:14:17.53	-0.72*
MODS	304.0	303	Pn	3:14:17.58	-0.74*
			Sn	14:50.51	-1.40*
ZST	305.5	299	Pn	3:14:18.14	-0.36*
JAVC	314.3	315	Pn	3:14:19.68	0.08*
SOP	323.0	286	Pn	3:14:20.07	-0.62*
			Sn	14:55.52	-0.60*
RONA	342.5	286	Pn	3:14:22.37	-0.75*
			Sn	14:59.03	-1.42*
WINA	371.8	292	Pn	3:14:26.26	-0.51*
			Sn	15:06.23	-0.71*
VOIR	374.9	115	Pn	3:14:27.10	-0.06*
OJC	377.6	350	Pn	3:14:27.65	0.15*
CONA	380.6	288	Pn	3:14:27.07	-0.80*
			Sn	15:08.49	-0.41*
ARSA	392.3	276	Pn	3:14:28.74	-0.59*
			Sn	15:10.58	-0.92*
MORC	397.1	324	Pn	3:14:29.47	-0.46*
KRUC	400.7	307	Pn	3:14:29.26	-1.12*
VRAC	406.3	312	Pn	3:14:30.29	-0.78*
ABNA	439.7	297	Pn	3:14:34.65	-0.59*
			Sn	15:21.12	-0.90*
KRLC	457.2	321	Pn	3:14:37.41	-0.01*
			Sn	15:25.74	-0.16*
OBKA	469.0	265	Pn	3:14:38.31	-0.58*
			Sn	15:26.32	-2.21*
VRI	480.3	103	Pn	3:14:39.88	-0.42*
BIOA	538.8	280	Pn	3:14:47.52	-0.07*
			Sn	15:42.70	-1.32*
KBA	556.9	272	Pn	3:14:49.55	-0.30*
			Sn	15:46.20	-1.84*
PRA	581.7	308	ePn	3:14:52.90	-0.04*
KHC	585.0	295	ePn	3:14:53.00	-0.35*
			eSn	15:51.00	-3.26*
LESA	608.4	276	Pn	3:14:56.11	-0.16*
WTTA	686.6	274	Pn	3:15:06.68	0.65*
NKC	712.1	302	ePn	3:15:08.40	-0.80*
SQTA	719.1	273	Pn	3:15:09.24	-0.83*

1197.

2023-08-20 time: 3:19:54.36 UTC ML= 1.8
 lat: 46.837N lon: 20.685E h= 13.8 km
 erh= 2.4km erz= 2.2km
 nr= 21 gap= 94 rms=0.72
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	60.5	328	Pg	3:20:05.04			-0.40
			Sg	20:15.99			1.92
PKSN	62.7	276	Pg	3:20:05.25			-0.58
			Sg	20:16.29			1.52
PKS6	89.6	253	P*	3:20:10.05			-0.40
			S*	20:22.65			-0.36
LTVH	110.6	57	Sn	3:20:29.14			0.85
PKB3	123.0	248	Pn	3:20:14.82			-0.15
			Sn	20:30.47			-0.58

Hypocenter Parameters

PSZ	134.2	334	Pn	3:20:15.84	-0.54
			Sn	20:32.12	-1.43
BZS	153.5	152	Pn	3:20:18.97	0.19
			Sn	20:38.93	1.11
DRGR	154.7	92	Pn	3:20:18.23	-0.70
			Sn	20:38.34	0.25
ABAH	167.5	14	Pn	3:20:20.73	0.21
			Sn	20:41.78	0.85
MORH	171.1	246	Pn	3:20:21.59	0.62
			Sn	20:42.87	1.14
PKSM	171.5	246	Pn	3:20:20.57	-0.45
			Sn	20:42.95	1.13

1198.

2023-08-20 time: 3:29:01.93 UTC ML= 1.6
 lat: 46.872N lon: 20.678E h= 16.3 km
 erh= 3.6km erz= 2.6km
 nr= 6 gap=157 rms=0.34
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	61.9	273	Pg	3:29:13.06			-0.30
			Sg	29:23.23			0.96
PKS6	90.3	250	S*	3:29:30.19			-0.15
PSZ	130.5	333	Pn	3:29:23.15			0.00
			Sn	29:39.66			-0.04
DRGR	155.4	93	Sn	3:29:45.46			0.24

1199.

2023-08-20 time: 4:08:06.81 UTC ML= 2.0
 lat: 47.689N lon: 16.003E h= 9.6 km
 erh= 1.7km erz= 1.5km
 nr= 43 gap= 61 rms=0.92
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	22.1	87	Pg	4:08:11.07			-0.04
			Sg	08:14.01			-0.45
CONA	28.7	338	PgU	4:08:12.17			-0.05
			Sg	08:16.18			-0.25
SOP	41.7	91	Pg	4:08:14.20			-0.26
			Sg	08:19.23			-1.19
WINA	46.8	6	Pg	4:08:15.64			0.29
			Sg	08:22.03			0.01
ARSA	60.7	217	PgD	4:08:17.24			-0.54
			Sg	08:25.14			-1.20
ZST	99.7	56	Sg	4:08:37.14			-1.50
EGYH	104.5	107	P*	4:08:26.31			0.76
			S*	08:40.28			0.12
MODS	121.8	51	Pn	4:08:27.30			-0.50
			Sn	08:42.80			-1.37
MPLH	129.5	116	Pn	4:08:29.02			0.27
			Sn	08:45.16			-0.71
MOA	131.4	278	Pn	4:08:29.50			0.50
			Sn	08:45.78			-0.53
SOKA	134.3	213	Pn	4:08:28.90			-0.46
			Sn	08:44.94			-2.00
PERS	135.0	210	Pn	4:08:29.16			-0.28
			Sn	08:45.65			-1.44
KOGS	139.2	172	Pn	4:08:31.92			1.95
			Sn	08:47.50			-0.53
SMOL	140.3	49	Pn	4:08:30.25			0.14
GR0S	141.7	196	Pn	4:08:31.92			1.64
			Sn	08:47.41			-1.17
RCF6	150.7	181	Sn	4:08:50.82			0.24
KRUC	155.4	11	Pn	4:08:31.97			-0.02
			Sn	08:50.45			-1.18
PKST	160.4	107	Pn	4:08:35.81			3.20
			Sn	08:53.40			0.66
OBKA	171.4	220	Pn	4:08:34.60			0.61
			Sn	08:54.04			-1.14

Hypocenter Parameters

BIOA 177.5 270 Pn 4:08:36.13 1.38
 Sn 08:57.61 1.07
 JAVC 179.6 44 Pn 4:08:36.34 1.33
 VRAC 185.3 14 Pn 4:08:35.93 0.21
 Sn 08:57.31 -0.96
 CRES 211.2 191 Sn 4:09:09.28 5.26*
 KBA 211.9 251 Pn 4:08:39.75 0.72
 Sn 09:08.70 4.53*
 MORC 258.4 26 Pn 4:08:45.38 0.55

1200.

2023-08-20 time: 4:57:00.61 UTC ML= 1.9
 lat: 46.832N lon: 20.805E h= 15.9 km
 erh= 6.4km erz= 3.7km
 nr= 9 gap=277 rms=0.66
 Locality: Hunya
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	66.1	322	Sg	4:57:23.03			0.81
PKSN	71.9	276	Pg	4:57:12.62			-1.13
			Sg	57:24.13			0.12
PKS6	98.3	255	P*	4:57:17.63			-0.20
PKS2	127.6	253	Pn	4:57:21.62			0.10
			Sn	57:38.06			0.22
PSZ	139.0	330	Pn	4:57:22.95			0.01
			Sn	57:40.17			-0.19
PKSM	179.8	247	Pn	4:57:29.52			1.49

1201.

2023-08-20 time: 5:44:14.01 UTC ML= 2.0
 lat: 46.781N lon: 20.762E h= 13.2 km
 erh= 4.3km erz= 2.7km
 nr= 17 gap=237 rms=0.72
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	68.8	327	Pg	5:44:26.54			0.01
			Sg	44:37.03			0.74
PKSN	69.4	281	Pg	5:44:25.76			-0.87
			Sg	44:37.03			0.55
PKS6	93.8	258	P*	5:44:30.06			-0.72
			S*	44:43.68			-0.18
PKS2	122.9	255	Pn	5:44:34.92			0.25
			Sn	44:50.96			0.18
PKB3	126.4	252	Sn	5:44:51.74			0.16
PSZ	142.4	333	Pn	5:44:36.56			-0.55
			Sn	44:53.23			-1.89
PKB4	168.2	259	Sn	5:45:01.99			1.14
ABAH	172.2	12	Pn	5:44:42.19			1.36
MORH	174.3	249	Pn	5:44:41.37			0.29
			Sn	45:01.36			-0.84
PKSM	174.6	249	Pn	5:44:41.25			0.12
			Sn	45:04.02			1.74

1202.

2023-08-20 time: 8:59:30.56 UTC ML= 1.8
 lat: 46.840N lon: 20.753E h= 14.5 km
 erh= 3.2km erz= 2.5km
 nr= 16 gap=141 rms=0.84
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	63.0	324	Sg	8:59:52.16			1.05
PKSN	67.8	275	Pg	8:59:41.75			-1.20
			Sg	59:53.18			0.57
PKS6	94.7	254	S*	8:59:59.75			-0.71
PKS2	124.1	252	Sn	8:60:06.47			-0.84
PKB3	128.0	249	Sn	8:60:07.34			-0.85
PSZ	136.3	332	Pn	8:59:52.08			-0.64

Földrengés paraméterek

BZS 151.5 154 Pn 9:00:09.22 -0.79
 Sn 8:59:54.76 0.14
 Sn 9:00:13.22 -0.17
 ABAH 165.9 13 Sn 8:60:18.14 1.54
 PKB4 168.9 257 Sn 8:60:18.22 0.96
 MORH 176.1 247 Pn 8:59:58.34 0.65
 Sn 9:00:19.47 0.61
 PKSM 176.5 247 Pn 8:59:58.73 0.99
 Sn 9:00:19.86 0.92

1203.

2023-08-20 time: 9:20:41.54 UTC ML= 1.8
 lat: 46.851N lon: 20.751E h= 16.3 km
 erh= 3.0km erz= 2.4km
 nr= 16 gap= 92 rms=0.82
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	61.9	324	Sg	9:21:03.17			1.27
PKSN	67.6	274	Pg	9:20:52.92			-1.03
			Sg	21:04.26			0.62
PKS6	94.9	253	P*	9:20:57.61			-0.60
			S*	21:10.60			-0.60
PKS7	123.0	280	Sn	9:21:17.65			-0.01
PKS2	124.3	251	Sn	9:21:17.65			-0.29
PSZ	135.1	331	Pn	9:21:03.25			-0.09
			Sn	21:19.99			-0.36
DRGR	149.7	93	Pn	9:21:04.42			-0.74
			Sn	21:25.32			1.73
BZS	152.6	154	Sn	9:21:24.30			0.07
ABAH	164.8	13	Sn	9:21:29.93			3.00
MORH	176.4	246	Sn	9:21:30.56			1.05
PKSM	176.8	246	Pn	9:21:09.27			0.73
			Sn	21:30.64			1.05

1204.

2023-08-20 time: 15:47:38.36 UTC ML= 1.8
 lat: 46.805N lon: 20.830E h= 14.5 km
 erh= 3.9km erz= 2.0km
 nr= 8 gap=278 rms=0.35
 Locality: Hunya
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSN	74.1	278	Pg	15:47:51.55			-0.29
			Sg	48:02.89			0.53
PKS6	99.4	257	P*	15:47:55.69			-0.18
			S*	48:09.31			-0.21
PKB3	132.2	251	Sn	15:48:17.10			0.19
PSZ	142.5	330	Pn	15:48:01.56			0.25
			Sn	48:18.50			-0.71
MORH	180.1	249	Pn	15:48:06.49			0.50

1205.

2023-08-20 time: 15:49:06.27 UTC ML= 2.1
 lat: 46.835N lon: 20.680E h= 10.0 km
 erh= 2.3km erz= 1.9km
 nr= 28 gap= 94 rms=0.87
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	60.5	329	Pg	15:49:17.28			0.06
			Sg	49:26.27			0.52
PKSN	62.4	276	Pg	15:49:17.08			-0.47
			Sg	49:27.87			1.52
PKS6	89.2	253	Pg	15:49:21.28			-1.02
			Sg	49:33.54			-1.26
PKS7	118.1	282	Sn	15:49:41.94			-0.78
PKS2	118.6	251	Sn	15:49:41.74			-1.09
PKB3	122.6	248	Sn	15:49:42.54			-1.18

Földrengés paraméterek

Hypocenter Parameters

PSZ	134.3	334	Pn	15:49:27.52	-1.25
			Sn	49:44.74	-1.58
PKB1	144.2	268	Pn	15:49:31.11	1.10
PENC	149.9	315	Sn	15:49:51.31	1.52
BZS	153.5	152	Pn	15:49:32.21	1.05
			Sn	49:51.26	0.68
DRGR	155.1	92	Pn	15:49:31.71	0.34
			Sn	49:49.88	-1.06
PKB4	163.3	257	Pn	15:49:32.86	0.47
			Sn	49:53.57	0.81
ABAH	167.8	15	Pn	15:49:34.21	1.26
			Sn	49:53.43	-0.34
MORH	170.7	246	Pn	15:49:33.26	-0.05
			Sn	49:54.92	0.52
PKSM	171.1	246	Pn	15:49:33.46	0.10
			Sn	49:54.92	0.44
PKS9	185.7	261	Pn	15:49:35.50	0.32
			Sn	50:02.01	4.29*
GZR	227.9	135	Pn	15:49:40.25	-0.19
			Sn	50:06.78	-0.32

1206.

2023-08-20 time: 18:32:03.32 UTC ML= 1.9
 lat: 46.809N lon: 20.694E h= 13.9 km
 erh= 2.6km erz= 2.1km
 nr= 19 gap= 95 rms=0.66
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	63.5	329	Pg	18:32:14.70	-0.23
			Sg	32:25.01	1.03
PKSN	63.9	279	Pg	18:32:14.31	-0.68
			Sg	32:24.81	0.72
PKS6	89.5	255	P*	18:32:18.43	-0.95
			S*	32:31.69	-0.22
PKB3	122.6	250	Sn	18:32:39.07	-0.82
PKB1	145.3	269	Pn	18:32:26.89	0.20
BZS	150.4	152	Pn	18:32:29.04	1.70
DRGR	154.0	91	Pn	18:32:27.48	-0.30
			Sn	32:46.63	-0.23
PKB4	163.8	258	Sn	18:32:48.59	-0.44
ABAH	170.4	14	Pn	18:32:30.02	0.20
			Sn	32:50.26	-0.23
MORH	170.6	247	Pn	18:32:29.93	0.08
			Sn	32:51.54	0.99
PKSM	171.0	247	Pn	18:32:30.03	0.13
			Sn	32:51.15	0.52
PKSG	186.5	290	Sn	18:32:55.03	0.95

1207.

2023-08-20 time: 21:21:38.33 UTC ML= 1.9
 lat: 46.771N lon: 20.728E h= 8.7 km
 erh= 1.4km erz= 1.2km
 nr= 23 gap= 97 rms=0.44
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	67.1	282	Pg	21:21:50.69	0.27
			Sg	22:00.29	0.44
BSZH	68.4	329	Pg	21:21:50.43	-0.21
			Sg	22:00.76	0.51
PKS6	91.0	258	Pg	21:21:54.11	-0.55
			Sg	22:07.02	-0.37
LTVH	112.2	53	Pn	21:21:58.18	-0.06
			Sn	22:13.56	-0.22
PKS2	120.1	255	Pn	21:21:58.57	-0.66
			Sn	22:14.85	-0.68
PKB3	123.7	252	Pn	21:21:59.66	-0.02
			Sn	22:14.93	-1.40
BZS	145.5	152	Pn	21:22:02.87	0.47
			Sn	22:21.42	0.24

DRGR	151.5	89	Pn	21:22:03.19	0.05
			Sn	22:21.97	-0.53
PKB4	165.5	259	Sn	21:22:26.00	0.39
MORH	171.5	249	Sn	21:22:27.37	0.43
PKSM	171.9	249	Pn	21:22:06.01	0.33
			Sn	22:27.61	0.59
ABAH	173.9	13	Pn	21:22:06.71	0.78
			Sn	22:27.22	-0.25
PKSG	190.4	291	Sn	21:22:31.60	0.45

1208.

2023-08-21 time: 7:09:35.39 UTC ML= 1.2
 lat: 48.031N lon: 20.300E h= 0.4 km
 erh= 7.0km erz= 754km
 nr= 5 gap=180 rms=0.49
 Locality: Mikófalva
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	32.8	248	Pg	7:09:40.88	-0.36
			Sg	09:45.72	-0.09
KECS	52.1	15	Sg	7:09:52.07	0.11
ABAH	75.8	67	Pg	7:09:49.64	0.71
			Sg	09:58.82	-0.67

1209.

2023-08-21 time: 7:11:36.09 UTC ML= 1.6
 lat: 48.698N lon: 17.925E h= 0.0 km
 erh= 5.0km erz= 4.8km
 nr= 12 gap=246 rms=0.79
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
JAVC	25.9	314	Pg	7:11:40.85	0.13
			Sg	11:44.21	-0.11
SMOL	41.9	241	Pg	7:11:44.13	0.55
			Sg	11:50.16	0.74
MODS	59.9	233	Pg	7:11:47.11	0.33
			Sg	11:53.36	-1.77
VRAC	118.8	305	Pg	7:11:57.46	0.17
			Sg	12:11.15	-2.68
KRUC	119.3	290	Pg	7:11:57.31	-0.08
MORC	123.2	347	Pg	7:11:58.46	0.37
			Sg	12:13.20	-2.05
KRLC	174.2	332	Sn	7:12:27.82	0.54

1210.

2023-08-21 time: 7:20:03.69 UTC ML= 1.2
 lat: 47.981N lon: 16.097E h= 0.0 km
 erh= 3.2km erz= 924km
 nr= 8 gap=144 rms=0.68
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.5	251	Pg	7:20:06.86	-0.14
			Sg	20:09.64	0.06
RONA	34.7	155	Pg	7:20:09.95	0.07
			Sg	20:14.52	-0.20
ARSA	92.0	208	Pg	7:20:21.25	1.13
			Sg	20:32.06	-0.87
KRUC	122.1	10	Pg	7:20:25.56	0.06
			Sg	20:40.58	-1.93

Hypocenter Parameters

1211.
 2023-08-21 time: 8:12:22.30 UTC ML= 1.5
 lat: 48.701N lon: 20.785E h= 0.0 km
 erh= 5.6km erz= ***km
 nr= 7 gap=167 rms=0.97
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	32.8	222	Pg	8:12:28.66			0.51
			Sg		12:31.99		-0.73
ABAH	56.2	143	Pg	8:12:33.16			0.83
			Sg		12:39.19		-0.97
NIE	86.9	337	Sg	8:12:48.54			-1.39
PSZ	109.3	217	Pg	8:12:42.71			0.90
			Sg		12:55.39		-1.64

1212.

2023-08-21 time: 8:49:54.56 UTC ML= 1.1
 lat: 47.526N lon: 16.346E h= 0.0 km
 erh= 5.7km erz= 7.8km
 nr= 9 gap=202 rms=1.17
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	19.7	349	PgU	8:49:58.76			0.68
			Sg		50:00.77		-0.06
SOP	23.7	42	PgU	8:49:59.69			0.89
			Sg		50:02.08		-0.02
CONA	57.7	321	Pg	8:50:06.19			1.33
			Sg		50:12.07		-0.83
ARSA	69.3	244	Sg	8:50:15.55			-1.03
MODS	117.2	36	Sg	8:50:29.67			-2.14
SMOL	136.4	36	Sn	8:50:35.09			-2.26

1213.

2023-08-21 time: 9:49:20.64 UTC ML= 1.1
 lat: 47.207N lon: 18.321E h= 0.0 km
 erh= 1.7km erz= 642km
 nr= 13 gap=153 rms=0.54
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.0	345	Pg	9:49:23.51			-0.34
			Sg		49:25.48		-0.87
PKSG	21.2	14	Pg	9:49:24.73			0.30
			Sg		49:27.22		-0.16
PKST	22.5	285	Pg	9:49:25.89			1.24
			Sg		49:27.61		-0.17
MPLH	59.4	266	Pg	9:49:31.22			-0.02
			Sg		49:39.52		0.01
MORH	112.9	167	Pg	9:49:41.25			0.45
			Sg		49:56.04		-0.49
PKSM	113.3	168	Pg	9:49:40.94			0.07
			Sg		49:56.32		-0.33
KOVH	125.5	188	Sg	9:49:59.29			-1.24

1214.

2023-08-21 time: 11:12:17.32 UTC ML= 0.3
 lat: 47.906N lon: 16.044E h= 0.0 km
 erh= 3.4km erz= 8.3km
 nr= 6 gap=140 rms=1.04
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	13.9	280	Pg	11:12:19.57			-0.23
			Sg		12:22.67		0.94

Földrengés paraméterek

RONA 29.7 140 Pg 11:12:22.34 -0.28
 Sg 12:27.41 0.65
 MODS 105.5 60 Sg 11:12:51.65 0.79
 KRUC 131.2 11 Sn 11:12:54.59 -4.36

1215.

2023-08-21 time: 11:15:27.24 UTC ML= 1.5
 lat: 46.876N lon: 22.299E h= 0.0 km
 erh= 2.4km erz= 1.8km
 nr= 5 gap=280 rms=0.15
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	32.8	107	Pg	11:15:32.99			-0.10
			Sg		15:37.73		0.08
SURR	125.4	186	Pg	11:15:49.72			0.08
			Sg		16:06.88		-0.23
GZR	168.9	167	Sn	11:16:17.58			0.34

1216.

2023-08-21 time: 11:24:10.64 UTC ML= 2.3
 lat: 46.823N lon: 20.699E h= 10.2 km
 erh= 2.3km erz= 2.0km
 nr= 38 gap= 95 rms=1.01
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.3	328	Pg	11:24:20.98			-0.93
			Sg		24:31.90		1.19
PKSN	63.9	277	Pg	11:24:21.80			-0.40
			Sg		24:32.42		1.20
PKS6	90.2	254	Pg	11:24:26.33			-0.53
			Sg		24:38.61		-0.89
LTVH	110.5	56	Pn	11:24:29.50			-0.65
PKS2	119.5	252	Pn	11:24:31.18			-0.09
			Sn		24:46.53		-0.83
PKS7	119.7	282	Pn	11:24:30.89			-0.41
			Sn		24:46.43		-0.98
PKB3	123.5	249	Sn	11:24:47.13			-1.11
PSZ	136.1	333	Pn	11:24:32.27			-1.06
			Sn		24:49.01		-2.02
PKB1	145.6	268	Pn	11:24:34.95			0.43
			Sn		24:53.37		0.22
BZS	151.7	152	Pn	11:24:36.91			1.63
			Sn		24:55.90		1.40
PENC	151.8	315	Sn	11:24:54.12			-0.41
DRGR	153.6	91	Pn	11:24:34.68			-0.84
			Sn		24:55.00		0.07
SURR	161.9	137	Pn	11:24:36.07			-0.48
			Sn		24:54.86		-1.90
PKB4	164.4	257	Pn	11:24:37.45			0.58
			Sn		24:57.83		0.50
ABAH	168.7	14	Pn	11:24:39.50			2.10
			Sn		24:57.78		-0.50
MORH	171.5	247	Pn	11:24:37.99			0.24
			Sn		24:59.31		0.41
PKSM	171.9	247	Pn	11:24:37.99			0.19
			Sn		24:59.56		0.57
KECS	185.2	355	Pn	11:24:40.52			1.06
PKSG	186.3	290	Sn	11:25:03.17			1.00
CSKK	194.6	288	Sn	11:25:05.25			1.22
TRPA	200.9	44	Pn	11:24:44.57			3.15
PKST	208.2	283	Sn	11:25:12.96			5.91*
KOVH	215.8	248	Pn	11:24:47.84			4.57
GZR	226.0	135	Pn	11:24:44.71			0.17
			Sn		25:10.34		-0.65

Földrengés paraméterek

Hypocenter Parameters

1217.

2023-08-21 time: 17:40:11.44 UTC ML= 2.6
 lat: 46.812N lon: 20.695E h= 10.2 km
 erh= 1.9km erz= 1.7km
 nr= 52 gap= 90 rms=0.94
 Locality: Kardos
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	63.2	329	Pg	17:40:22.40	-0.47
			Sg	40:31.92	0.13
PKSN	63.8	278	Pg	17:40:22.53	-0.46
			Sg	40:31.76	-0.23
PKS6	89.6	255	Pg	17:40:27.22	-0.33
			Sg	40:39.22	-0.90
LTVH	111.5	55	Pn	17:40:31.02	-0.05
			Pn	17:40:31.64	-0.36
PKS2	118.9	253	Sn	40:46.96	-1.08
			Pn	17:40:32.03	-0.08
PKS7	119.8	283	Pn	17:40:32.03	-0.08
			Sn	40:46.89	-1.34
PKB3	122.8	249	Pn	17:40:32.45	-0.04
			Sn	40:47.76	-1.14
PSZ	137.0	334	Pn	17:40:32.83	-1.43
			Sn	40:49.47	-2.59
PKB1	145.3	269	Pn	17:40:35.66	0.36
			Sn	40:53.75	-0.15
PBUD	146.9	300	Sn	17:40:54.00	-0.25
BUD	147.1	300	Pn	17:40:36.95	1.43
			Sn	40:52.94	-1.36
BZS	150.7	152	Pn	17:40:35.78	-0.19
			Sn	40:54.87	-0.23
PKB5	151.8	261	Pn	17:40:36.16	0.06
			Sn	40:56.97	1.63
PENC	152.5	315	Pn	17:40:36.24	0.05
			Sn	40:54.84	-0.66
DRGR	153.9	91	Pn	17:40:35.99	-0.38
			Sn	40:54.56	-1.25
SURR	161.2	137	Pn	17:40:36.93	-0.34
			Sn	40:55.65	-1.77
PKB4	163.9	258	Pn	17:40:38.09	0.48
			Sn	40:59.51	1.48
ABAH	170.0	14	Pn	17:40:39.89	1.52
			Sn	40:58.80	-0.57
MORH	170.8	247	Pn	17:40:38.52	0.05
			Sn	41:00.09	0.53
PKSM	171.2	247	Pn	17:40:38.93	0.41
			Sn	41:00.35	0.71
KECS	186.4	355	Pn	17:40:40.91	0.49
PKSG	186.4	290	Pn	17:40:43.70	3.28
			Sn	41:03.80	0.77
PKS9	186.5	262	Pn	17:40:41.11	0.68
			Sn	41:07.50	4.45
TRPA	202.0	43	Pn	17:40:44.67	2.31
PKST	208.3	284	Pn	17:40:43.24	0.10
			Sn	41:13.03	5.16*
SRO	211.7	302	Pn	17:40:44.13	0.55
PKSV	214.3	241	Pn	17:40:48.78	4.89
KOVH	215.1	248	Pn	17:40:44.41	0.42
			Sn	41:14.76	5.38*
GZR	225.3	134	Pn	17:40:45.53	0.26
HOLU	229.0	34	Pn	17:40:46.09	0.36
MEZ	283.9	48	Pn	17:40:52.28	-0.30
MODS	310.2	304	Pn	17:40:54.82	-1.03*
RONA	347.3	287	Pn	17:40:59.30	-1.18*
			Sn	41:35.54	-3.19*
WINA	377.1	292	Pn	17:41:02.98	-1.22*
			Sn	41:42.67	-2.67*
CONA	385.6	289	Pn	17:41:03.88	-1.38*
			Sn	41:43.42	-3.81*

1218.

2023-08-21 time: 17:55:37.40 UTC ML= 1.1
 lat: 46.247N lon: 18.524E h= 11.6 km
 erh= 1.1km erz= 2.0km
 nr= 13 gap= 95 rms=0.24
 Locality: Cikó
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	9.9	113	Pg	17:55:40.26	0.13
			Sg	55:41.97	-0.28
MORH	9.9	110	Pg	17:55:40.26	0.13
			Sg	55:41.98	-0.28
PKB4	28.4	13	Pg	17:55:43.22	0.33
			Sg	55:47.17	0.00
KOVH	37.2	242	Pg	17:55:44.24	-0.11
			Sg	55:49.72	-0.06
PKB5	42.0	23	Sg	17:55:51.18	-0.08
PKS9	42.2	334	Pg	17:55:45.46	0.23
			Sg	55:51.16	-0.17
PKSV	45.0	208	Pg	17:55:45.82	0.12
PKB1	63.2	19	Pg	17:55:48.26	-0.62

1219.

2023-08-22 time: 1:54:38.13 UTC ML= 1.8
 lat: 46.817N lon: 20.734E h= 18.4 km
 erh= 2.6km erz= 3.8km
 nr= 8 gap=164 rms=0.35
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	64.3	327	P*	1:54:49.68	-0.26
			S*	54:59.96	0.81
PKSN	66.7	278	P*	1:54:50.49	0.19
			S*	55:00.12	0.33
PKS6	92.6	255	S*	1:55:06.46	-0.36
PSZ	137.9	333	Pn	1:54:59.88	-0.13
			Sn	55:16.52	-0.55
DRGR	150.9	91	Sn	1:55:20.23	0.26

1220.

2023-08-22 time: 4:37:44.58 UTC ML= 1.4
 lat: 45.902N lon: 16.060E h= 7.5 km
 erh= 2.4km erz= 2.5km
 nr= 9 gap=218 rms=0.32
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	7.9	268	Pg	4:37:46.41	-0.13
			Sg	37:47.93	-0.13
R971	8.1	209	Sg	4:37:48.08	-0.02
ZAG	9.6	212	Pg	4:37:46.52	-0.24
			Sg	37:48.83	0.37
CRES	47.6	260	Pg	4:37:53.37	0.18
			Sg	38:00.07	0.16
RCF6	48.6	351	Sg	4:38:00.80	0.59
GROS	75.6	325	Sg	4:38:07.84	-0.90

1221.

2023-08-22 time: 5:47:13.57 UTC ML= 2.2
 lat: 46.472N lon: 17.724E h= 12.6 km
 erh= 0.9km erz= 1.0km
 nr= 25 gap=100 rms=0.40
 Locality: Várda
 Comments: felt 3-4 MIS/IIS

sta	dist	azm	phase	hr mn sec	res
PKS9	44.4	73	Pg	5:47:22.16	0.34

Hypocenter Parameters

Földrengés paraméterek

			Sg	47:28.59	0.34
TIH	49.3	15	Sg	5:47:29.13	-0.61
KOVH	51.6	146	Pg	5:47:23.24	0.19
			Sg	47:29.90	-0.54
PKB4	67.6	88	Pg	5:47:26.23	0.38
			Sg	47:35.21	-0.22
BEHE	72.9	270	Pg	5:47:27.15	0.38
			Sg	47:37.08	0.01
PKSM	76.3	112	Pg	5:47:27.40	0.02
			Sg	47:37.89	-0.27
MORH	76.4	112	Pg	5:47:27.27	-0.12
			Sg	47:37.88	-0.29
PKSV	76.6	148	Pg	5:47:27.52	0.08
			Sg	47:38.09	-0.16
PKB5	78.8	80	Pg	5:47:28.66	0.84
			Sg	47:38.73	-0.20
MPLH	78.9	350	Sg	5:47:37.84	-1.11
PKB1	88.9	67	Pg	5:47:29.72	0.12
			Sg	47:41.13	-0.97
PKB3	113.1	93	Sn	5:47:48.13	-0.22
KOGS	113.2	269	Sn	5:47:48.04	-0.33
PKSG	114.1	26	Sn	5:47:48.40	-0.17
RONA	174.3	322	Sn	5:48:02.43	0.51
CRES	189.3	248	Pn	5:47:41.99	-0.62

1222.

2023-08-22 time: 7:46:29.92 UTC ML= 1.8
 lat: 46.874N lon: 20.664E h= 15.8 km
 erh= 6.7km erz= 4.0km
 nr= 11 gap=151 rms=1.09
 Locality: Csabacsúd
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSN	60.8	272	Pg	7:46:40.25	-0.89
			Sg	46:50.43	0.54
PKS6	89.4	250	S*	7:46:56.71	-1.45
PKS2	118.9	249	Sn	7:47:05.57	0.35
PKB3	123.1	246	Sn	7:47:05.11	-1.05
PSZ	129.9	333	Pn	7:46:52.57	1.45
			Sn	47:06.31	-1.35
DRGR	156.4	93	Sn	7:47:12.54	-1.02
MORH	171.3	245	Sn	7:47:17.92	1.05
PKSM	171.7	245	Pn	7:46:57.56	1.22
			Sn	47:17.76	0.80

1223.

2023-08-22 time: 7:56:17.64 UTC ML= 2.0
 lat: 48.629N lon: 19.159E h= 0.0 km
 erh= 5.4km erz= 8.2km
 nr= 9 gap=167 rms=1.27
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	62.3	21	Pg	7:56:28.40	-0.36
			Sg	56:36.65	-0.78
PENC	93.7	174	Sg	7:56:47.40	-0.01
PSZ	96.0	145	Sg	7:56:47.60	-0.56
KECS	99.2	99	Pg	7:56:36.37	1.01
			Sg	56:47.05	-2.14
SRO	110.3	215	Sg	7:56:51.86	-0.86
ABAH	158.2	104	Pn	7:56:47.36	2.95
			Sn	57:04.93	-0.35

1224.

2023-08-22 time: 8:56:06.00 UTC ML= 0.9
 lat: 47.205N lon: 18.282E h= 0.0 km
 erh= 1.8km erz= 2.8km
 nr= 10 gap=109 rms=0.54
 Locality: Csőr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.6	355	Pg	8:56:09.84	0.69
			Sg	56:11.37	-0.23
PKSG	22.3	22	Pg	8:56:10.15	0.17
			Sg	56:12.30	-0.79
MPLH	56.4	266	Sg	8:56:24.37	0.44
MORH	113.4	166	Sg	8:56:41.63	-0.43
PKSM	113.8	166	Sg	8:56:42.52	0.34
KOVH	125.0	186	Sg	8:56:45.39	-0.33
SOP	140.4	292	Sn	8:56:48.25	-1.44
PSZ	144.9	57	Sn	8:56:50.57	-0.12

1225.

2023-08-22 time: 12:19:29.29 UTC ML= 1.4
 lat: 48.411N lon: 21.754E h= 0.0 km
 erh= 2.0km erz= 625km
 nr= 11 gap=133 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	40.2	251	Pg	12:19:36.89	0.42
			Sg	19:41.78	-0.30
HOLU	48.3	75	Pg	12:19:38.44	0.53
TRPA	66.1	118	Pg	12:19:40.36	-0.73
			Sg	19:51.11	0.82
KOLS	69.5	33	Pg	12:19:42.24	0.54
			Sg	19:50.82	-0.56
STZU	92.8	44	Pg	12:19:45.64	-0.22
			Sg	19:57.86	-0.93
KECS	94.2	275	Pg	12:19:46.07	-0.04
			Sg	19:59.08	-0.15

1226.

2023-08-22 time: 20:45:50.95 UTC ML= 0.5
 lat: 46.244N lon: 18.509E h= 9.9 km
 erh= 0.7km erz= 0.9km
 nr= 11 gap=132 rms=0.16
 Locality: Hidas
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	10.8	109	PgU	20:45:53.61	0.04
			Sg	45:55.46	-0.15
MORH	10.9	107	Pg	20:45:53.64	0.06
			Sg	45:55.43	-0.20
PKB4	29.0	15	Pg	20:45:56.60	0.18
			Sg	46:00.44	-0.24
KOVH	36.0	241	Pg	20:45:57.77	0.15
			Sg	46:02.51	-0.31
PKS9	42.0	335	Pg	20:45:58.73	0.07
			Sg	46:04.72	0.05
PKSG	127.9	356	Sn	20:46:29.31	-0.30

1227.

2023-08-22 time: 22:35:16.96 UTC ML= 3.7
 lat: 46.844N lon: 20.675E h= 16.9 km
 erh= 3.1km erz= 3.4km
 nr= 84 gap= 41 rms=1.76
 Locality: Örménykút
 Comments: felt 4-5 MIS/IIS

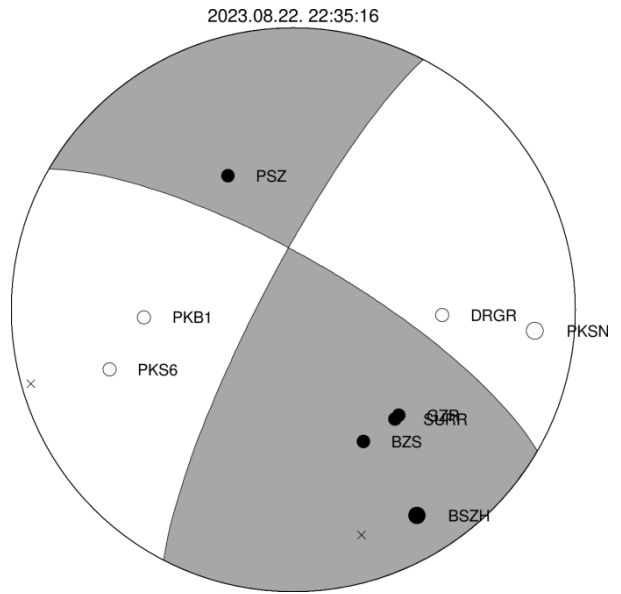
sta	dist	azm	phase	hr mn sec	res
BSZH	59.4	329	PgU	22:35:27.13	-0.86
			Sg	35:33.23	-3.36
PKSN	61.8	275	PgD	22:35:27.38	-1.03
			Sg	35:36.67	-0.67
PKS6	89.1	252	P*D	22:35:31.51	-1.17
			S*	35:42.45	-2.49
LTVH	110.8	57	Pn	22:35:34.20	-1.45
			Sn	35:47.74	-2.48

Földrengés paraméterek

Hypocenter Parameters

PKS7	117.5	281	Pn	22:35:35.23	-1.25
			Sn	35:49.27	-2.43
PKS2	118.5	251	Pn	22:35:36.01	-0.60
			Sn	35:51.29	-0.64
PKB3	122.6	248	Pn	22:35:36.80	-0.31
			Sn	35:51.07	-1.76
PSZ	133.2	334	PnU	22:35:36.97	-1.47
PBUD	143.8	299	Sn	22:35:56.45	-1.09
PKB1	143.8	267	PnD	22:35:38.32	-1.45
			Sn	35:58.81	1.26
BUD	144.0	300	Pn	22:35:38.19	-1.59
			Sn	35:55.82	-1.76
PENC	148.9	315	Pn	22:35:41.28	0.88
PKB5	150.8	259	Pn	22:35:41.68	1.04
			Sn	36:00.84	1.74
BZS	154.6	152	PnU	22:35:40.25	-0.85
			Sn	36:02.18	2.24
DRGR	155.5	92	PnD	22:35:40.09	-1.13
			Sn	35:59.27	-0.88
PKB4	163.1	256	Pn	22:35:40.69	-1.48
			Sn	36:04.58	2.75
SURR	164.8	137	PnU	22:35:41.60	-0.78
			Sn	36:03.58	1.37
BANR	166.3	168	Pn	22:35:42.89	0.32
ABAH	166.9	15	Pn	22:35:43.78	1.13
			Sn	36:05.16	2.48
MORH	170.7	246	Pn	22:35:41.43	-1.69
			Sn	36:06.26	2.74
PKSM	171.1	246	Pn	22:35:41.35	-1.82
KECS	182.8	356	Pn	22:35:46.58	1.96
PKSG	183.7	289	Pn	22:35:47.27	2.53
			Sn	36:09.59	3.18
PKS9	185.4	261	Pn	22:35:43.50	-1.45
			Sn	36:10.91	4.13
CSKK	192.1	287	Pn	22:35:45.43	-0.36
			Sn	36:12.00	3.73
TRPA	200.5	44	Pn	22:35:49.83	3.00
FRGS	201.4	199	Pn	22:35:43.32	-3.62
DEV	202.0	122	Pn	22:35:46.76	-0.26
PKST	205.9	283	Pn	22:35:49.30	1.80
			Sn	36:16.87	5.55
SRO	208.5	301	Pn	22:35:47.98	0.15
			Sn	36:11.72	-0.19
TIH	212.2	272	Pn	22:35:52.02	3.73
			Sn	36:18.63	5.91
PKSV	214.6	240	Pn	22:35:51.97	3.39
			Sn	36:19.10	5.85
KOVH	214.9	247	Pn	22:35:51.94	3.32
			Sn	36:19.13	5.81
TRSU	221.3	51	Pn	22:35:47.87	-1.55
CJR	223.7	94	Pn	22:35:53.31	3.58
HOLU	226.9	34	Pn	22:35:54.11	3.99
GZR	228.9	135	PnU	22:35:50.33	-0.04
BRIU	242.3	47	Pn	22:35:56.88	4.84
KOLS	261.3	27	Pn	22:35:52.80	-1.61
EGYH	261.5	284	Pn	22:35:55.34	0.90
MEZ	282.7	49	Pn	22:35:56.81	-0.27
RAKU	295.3	63	Pn	22:35:57.41	-1.24
MODS	306.9	304	Pn	22:35:59.51	-0.59
ZST	308.2	299	Pn	22:35:59.93	-0.33
KOGS	341.6	263	Pn	22:36:05.24	0.82
RONA	344.7	286	Pn	22:36:03.88	-0.93
			Sn	36:41.42	-0.72
VOIR	372.5	115	Pn	22:36:08.93	0.66
			Sn	36:47.29	-1.01
CONA	382.9	288	Pn	22:36:08.78	-0.79
			Sn	36:49.79	-0.82
ARSA	394.1	277	Pn	22:36:10.49	-0.48
			Sn	36:52.02	-1.07
MORC	400.4	325	Pn	22:36:11.19	-0.57
KRUC	403.7	308	Pn	22:36:11.65	-0.52
VRAC	409.4	312	Pn	22:36:11.73	-1.14
PERS	425.4	267	Pn	22:36:13.46	-1.42
MLR	433.9	110	Pn	22:36:15.97	0.03
KRLC	460.5	321	Pn	22:36:18.90	-0.35

VRI 478.4 103 Pn 22:36:21.26 -0.22



1228.

2023-08-23 time: 6:40:47.87 UTC ML= 0.9
 lat: 46.230N lon: 18.479E h= 9.4 km
 erh= 2.9km erz= 7.4km
 nr= 9 gap=142 rms=0.46
 Locality: Mecseknádasd
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSM	12.7	99	Pg	6:40:50.97			0.29
			Sg	40:52.82			-0.05
MORH	12.8	97	Pg	6:40:50.97			0.27
			Sg	40:52.79			-0.12
PKB4	31.1	18	Sg	6:40:57.87			-0.32
KOVH	33.3	242	Sg	6:40:58.32			-0.54
PKS9	42.6	339	Pg	6:40:56.13			0.48
PKB5	45.1	26	Sg	6:41:02.11			-0.40
PKB3	59.2	69	Sg	6:41:05.20			-1.70

1229.

2023-08-23 time: 7:16:04.48 UTC ML= 2.1
 lat: 46.820N lon: 20.685E h= 25.6 km
 erh= 1.0km erz= 1.2km
 nr= 22 gap= 95 rms=0.30
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	62.1	329	Pg	7:16:15.89			0.01
			Sg	16:24.59			-0.18
PKSN	63.0	278	Pg	7:16:15.98			-0.03
			Sg	16:25.59			0.59
PKS6	89.1	254	Pn	7:16:19.41			-0.18
			Sn	16:31.57			0.20
PKB3	122.4	249	Sn	7:16:38.68			-0.06
PSZ	136.0	334	Pn	7:16:24.97			-0.46
			Sn	16:41.28			-0.48
BZS	151.8	152	Pn	7:16:27.62			0.22
			Sn	16:45.42			0.14
DRGR	154.7	91	Pn	7:16:28.16			0.40
			Sn	16:45.96			0.05
SURR	162.3	137	Pn	7:16:28.43			-0.28
			Sn	16:46.68			-0.92
ABAH	169.4	14	Sn	7:16:49.79			0.62

Hypocenter Parameters

MORH 170.4 247 Pn 7:16:29.69 -0.03
 Sn 16:50.74 1.33*
 PKSM 170.8 247 Pn 7:16:29.77 0.00
 Sn 16:49.96 0.47
 GZR 226.5 134 Pn 7:16:36.70 -0.01
 Sn 17:01.78 -0.07

1230.

2023-08-23 time: 7:19:00.43 UTC ML= 1.0
 lat: 46.155N lon: 18.017E h= 0.0 km
 erh= 3.3km erz= 585km
 nr= 9 gap=234 rms=0.44
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	9.8	139	PgU	7:19:02.20	0.01
			Sg	19:03.75	0.19
PKSV	34.8	148	Pg	7:19:06.46	-0.19
			Sg	19:11.07	-0.43
PKSM	48.6	83	Pg	7:19:09.79	0.68
			Sg	19:15.40	-0.48
MORH	48.9	82	Pg	7:19:09.40	0.24
			Sg	19:15.94	-0.03
PKS9	52.0	23	Sg	7:19:15.64	-1.33

1231.

2023-08-23 time: 7:34:19.40 UTC ML= 0.3
 lat: 46.272N lon: 18.521E h= 10.1 km
 erh= 1.2km erz= 2.8km
 nr= 7 gap=136 rms=0.17
 Locality: Hidas
 Comments:

sta	dist	azm	phase	hr mn sec	res
MORH	11.3	123	Pg	7:34:22.29	0.18
			Sg	34:24.03	-0.20
PKSM	11.4	126	Pg	7:34:22.33	0.21
			Sg	34:24.05	-0.20
PKB4	25.7	14	Sg	7:34:28.21	0.02
KOVH	38.4	238	Pg	7:34:26.31	-0.18
			Sg	34:32.01	-0.02

1232.

2023-08-23 time: 7:40:39.79 UTC ML= 1.2
 lat: 48.560N lon: 20.858E h= 0.0 km
 erh=10.0km erz= ***km
 nr= 5 gap=139 rms=1.20
 Locality: Hidvégdó
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.8	253	Pg	7:40:46.28	1.35
			Sg	40:49.26	0.32
STHS	99.3	17	Pg	7:40:57.71	0.18
PSZ	101.1	225	Sg	7:41:09.79	-2.12
UZH	106.2	86	Sg	7:41:12.04	-1.50

1233.

2023-08-23 time: 12:19:15.54 UTC ML= 0.8
 lat: 47.907N lon: 16.087E h= 0.0 km
 erh= 1.3km erz= 2.3km
 nr= 6 gap=132 rms=0.20
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.0	278	Pg	12:19:18.75	0.17
			Sg	19:20.61	-0.34
RONA	27.9	146	Pg	12:19:20.67	0.16

Földrengés paraméterek

Sg 19:24.14 -0.25
 MODS 102.7 60 Sg 12:19:48.24 0.06
 JAVC 158.0 48 Sn 12:20:02.90 -0.24

1234.

2023-08-23 time: 20:05:39.40 UTC ML= 0.3
 lat: 46.250N lon: 18.552E h= 11.4 km
 erh= 0.2km erz= 0.2km
 nr= 6 gap=246 rms=0.02
 Locality: Cikó
 Comments:

sta	dist	azm	phase	hr mn sec	res
MORH	8.1	118	Pg	20:05:41.88	-0.01
			Sg	05:43.81	-0.02
PKSM	8.1	122	Pg	20:05:41.90	0.01
			Sg	05:43.87	0.03
PKB4	27.6	8	Sg	20:05:48.89	0.00
PKB3	53.1	69	Sg	20:05:56.68	0.01

1235.

2023-08-23 time: 20:06:09.23 UTC ML= 0.4
 lat: 46.249N lon: 18.514E h= 7.6 km
 erh= 0.8km erz= 2.0km
 nr= 9 gap=133 rms=0.10
 Locality: Hidas
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	10.6	113	Pg	20:06:11.55	-0.01
			Sg	06:13.38	0.01
MORH	10.7	110	Pg	20:06:11.61	0.05
			Sg	06:13.22	-0.16
PKB4	28.4	14	Pg	20:06:14.62	0.15
			Sg	06:18.61	0.05
KOVH	36.6	241	Pg	20:06:15.83	-0.08
			Sg	06:21.18	0.06
PKB5	42.1	24	Sg	20:06:22.58	-0.24

1236.

2023-08-23 time: 20:30:26.02 UTC ML= 0.6
 lat: 46.246N lon: 18.521E h= 10.1 km
 erh= 0.9km erz= 2.0km
 nr= 12 gap=129 rms=0.19
 Locality: Cikó
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	10.1	112	Pg	20:30:28.71	0.14
			Sg	30:30.48	-0.08
MORH	10.1	110	Pg	20:30:28.70	0.12
			Sg	30:30.38	-0.19
PKB4	28.5	13	Pg	20:30:31.63	0.21
			Sg	30:35.72	0.08
KOVH	36.9	242	Pg	20:30:32.98	0.12
			Sg	30:37.93	-0.27
PKB5	42.1	23	Pg	20:30:33.44	-0.32
			Sg	30:39.46	-0.33
PKS9	42.2	334	Pg	20:30:33.90	0.13
			Sg	30:39.68	-0.13

1237.

2023-08-23 time: 23:06:05.23 UTC ML= 0.2
 lat: 46.254N lon: 18.508E h= 7.4 km
 erh= 0.5km erz= 1.5km
 nr= 8 gap=136 rms=0.07
 Locality: Hidas
 Comments:

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKSM	11.3	114	Pg	23:06:07.68	0.04
			Sg	06:09.44	-0.08
MORH	11.3	112	Pg	23:06:07.72	0.08
			Sg	06:09.42	-0.10
PKB4	27.9	15	Pg	23:06:10.28	-0.10
			Sg	06:14.44	0.03
KOVH	36.5	240	Pg	23:06:11.94	0.07
			Sg	06:17.03	-0.03

1238.

2023-08-24 time: 1:54:32.60 UTC ML= 0.3
 lat: 46.251N lon: 18.509E h= 8.2 km
 erh= 0.5km erz= 1.4km
 nr= 8 gap=135 rms=0.07
 Locality: Hidas
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	11.1	113	Pg	1:54:35.14	0.08
			Sg	54:36.91	-0.07
MORH	11.1	110	Pg	1:54:35.06	-0.01
			Sg	54:36.96	-0.03
PKB4	28.3	15	Sg	1:54:42.06	0.11
KOVH	36.4	240	Pg	1:54:39.26	0.00
			Sg	54:44.46	0.00
PKB5	42.0	24	Sg	1:54:46.07	-0.14

1239.

2023-08-24 time: 7:22:58.86 UTC ML= 1.6
 lat: 47.842N lon: 19.094E h= 0.0 km
 erh= 6.6km erz= ***km
 nr= 6 gap=224 rms=0.60
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	15.2	112	Pg	7:23:02.25	0.67
			Sg	23:03.64	-0.05
PSZ	60.5	82	Pg	7:23:10.14	0.47
			Sg	23:16.37	-1.72
PKB1	119.8	191	Pg	7:23:19.82	-0.43
KECS	125.7	55	Pg	7:23:21.13	-0.19

1240.

2023-08-24 time: 7:53:43.76 UTC ML= 1.3
 lat: 48.536N lon: 20.757E h= 0.0 km
 erh= 3.2km erz= 422km
 nr= 5 gap=233 rms=0.19
 Locality: Komjáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.9	254	Pg	7:53:47.28	-0.21
			Sg	53:50.74	0.34
ABAH	44.6	127	Pg	7:53:51.86	0.15
			Sg	53:57.90	-0.02
PSZ	93.9	223	Sg	7:54:13.46	-0.16

1241.

2023-08-24 time: 7:58:11.95 UTC ML= 1.9
 lat: 47.787N lon: 19.894E h= 0.0 km
 erh= 6.3km erz= ***km
 nr= 10 gap=188 rms=1.14
 Locality: Gyöngyös
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	14.6	0	PgU	7:58:14.96	0.40
			Sg	58:16.41	-0.19

sta	dist	azm	phase	hr mn sec	res
PENC	45.9	271	Pg	7:58:20.86	0.72
			Sg	58:26.13	-0.40
KECS	89.1	30	Pg	7:58:30.54	2.68
			Sg	58:39.44	-0.83
ABAH	115.2	61	Pg	7:58:32.00	-0.52
			Sg	58:46.57	-2.00
PKSG	121.3	249	Pg	7:58:33.26	-0.35
			Sg	58:49.20	-1.30

1242.

2023-08-25 time: 7:21:25.95 UTC ML= 1.1
 lat: 48.176N lon: 20.966E h= 0.8 km
 erh= 0.8km erz=37.1km
 nr= 6 gap=194 rms=0.15
 Locality: Sóstófalva
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	24.3	57	PgD	7:21:30.26	-0.03
			Sg	21:33.49	-0.19
KECS	49.3	314	Pg	7:21:34.97	0.21
			Sg	21:41.40	-0.23
PSZ	84.9	250	Pg	7:21:41.17	0.07
			Sg	21:52.84	-0.08

1243.

2023-08-25 time: 8:49:53.85 UTC ML= 1.4
 lat: 47.099N lon: 17.999E h= 0.0 km
 erh= 1.8km erz= 684km
 nr= 13 gap=111 rms=0.57
 Locality: Litér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	23.5	200	Pg	8:49:59.28	1.23
CSKK	35.5	34	Pg	8:50:00.30	0.11
			Sg	50:04.64	-0.49
MPLH	35.7	283	Pg	8:50:00.50	0.27
			Sg	50:03.96	-1.25
PKSG	44.1	42	Pg	8:50:01.75	0.02
			Sg	50:08.03	0.16
MORH	109.9	153	Pg	8:50:13.43	-0.04
			Sg	50:28.10	-0.68
PKSM	110.2	153	Pg	8:50:13.46	-0.07
			Sg	50:28.22	-0.65
KOVH	112.6	176	Pg	8:50:14.43	0.47
			Sg	50:28.59	-1.05

1244.

2023-08-25 time: 9:47:35.93 UTC ML= 1.6
 lat: 47.572N lon: 16.307E h= 0.0 km
 erh= 3.7km erz= 4.4km
 nr= 17 gap=134 rms=1.21
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	14.2	357	PgU	9:47:40.46	1.99
			Sg	47:41.08	0.63
SOP	22.6	57	Pg	9:47:39.75	-0.22
			Sg	47:42.41	-0.71
CONA	51.8	320	Pg	9:47:45.86	0.67
			Sg	47:50.55	-1.85
ARSA	69.1	239	Pg	9:47:49.50	1.22
			Sg	47:56.73	-1.17
MODS	114.9	39	Pg	9:47:56.39	-0.06
			Sg	48:10.74	-1.71
GROS	137.9	206	Sn	9:48:17.17	-1.88
SOKA	138.7	224	Pn	9:48:00.65	0.39
			Sn	48:17.21	-2.02
RCF6	140.2	191	Pn	9:48:01.79	1.34
			Sn	48:18.30	-1.28

Hypocenter Parameters

KRUC 165.8 2 Pn 9:48:03.71 0.07
Sn 48:22.96 -2.29

1245.

2023-08-25 time: 10:00:03.03 UTC ML= 1.9
lat: 48.095N lon: 16.891E h= 0.0 km
erh= 6.8km erz= 777km
nr= 6 gap=171 rms=0.47
Locality: Austria
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	19.4	54	Pg	10:00:06.92	0.43
			Sg	00:08.56	-0.63
MODS	42.3	43	Pg	10:00:10.99	0.41
			Sg	00:15.68	-0.78
RONA	62.5	225	Sg	10:00:22.88	-0.02
CONA	79.0	256	Sg	10:00:27.81	-0.33

1246.

2023-08-25 time: 12:33:25.55 UTC ML= 0.4
lat: 46.248N lon: 18.510E h= 7.4 km
erh= 0.3km erz= 0.9km
nr= 7 gap=134 rms=0.04
Locality: Hidas
Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	10.9	111	Pg	12:33:27.97	0.06
			Sg	33:29.71	-0.03
MORH	10.9	109	Pg	12:33:27.90	-0.02
			Sg	33:29.75	-0.01
PKB4	28.6	15	Sg	12:33:34.91	-0.03
KOVH	36.3	241	Pg	12:33:32.14	-0.03
			Sg	33:37.36	0.03

1247.

2023-08-25 time: 13:50:36.57 UTC ML= 2.3
lat: 46.824N lon: 20.700E h= 15.9 km
erh= 2.8km erz= 2.3km
nr= 18 gap= 95 rms=0.80
Locality: Örménykút
Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	62.3	328	Pg	13:50:47.90	-0.15
			Sg	50:58.26	1.26
PKSN	64.0	277	Pg	13:50:47.15	-1.20
			Sg	50:58.48	0.94
PKS6	90.3	254	P*	13:50:52.42	-0.15
			S*	51:04.83	-0.22
PKS2	119.6	252	Sn	13:51:11.96	-0.07
PKB3	123.6	249	Sn	13:51:12.23	-0.67
PSZ	136.0	333	Pn	13:50:58.18	-0.35
			Sn	51:14.53	-1.13
PKB1	145.7	268	Pn	13:50:59.96	0.22
BZS	151.7	152	Sn	13:51:21.49	2.34
DRGR	153.6	91	Pn	13:51:00.89	0.17
			Sn	51:18.76	-0.79
PKB4	164.5	257	Sn	13:51:23.18	1.19
ABAH	168.6	14	Sn	13:51:23.52	0.63
MORH	171.6	247	Sn	13:51:24.27	0.70
PKST	208.3	283	Sn	13:51:39.28	7.58*
GZR	226.0	135	Sn	13:51:35.32	-0.31

Földrengés paraméterek

1248.

2023-08-26 time: 1:16:51.15 UTC ML= 0.8
lat: 47.875N lon: 19.512E h= 12.6 km
erh= 0.5km erz= 1.0km
nr= 6 gap=199 rms=0.05
Locality: Bér
Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	19.6	241	Pg	1:16:55.27	-0.04
			Sg	16:58.61	0.05
PSZ	29.0	80	Pg	1:16:56.85	0.05
			Sg	17:01.17	-0.04
SF5A	39.2	193	Pg	1:16:58.47	-0.04
BSZH	85.5	138	Sg	1:17:18.69	0.06

1249.

2023-08-27 time: 19:05:51.51 UTC ML= 0.1
lat: 46.260N lon: 18.496E h= 2.7 km
erh= 0.3km erz= 2.6km
nr= 7 gap=140 rms=0.04
Locality: Hidas
Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	12.4	116	Pg	19:05:53.76	-0.02
			Sg	05:55.61	0.06
MORH	12.5	113	Pg	19:05:53.78	0.00
			Sg	05:55.51	-0.05
PKB4	27.5	18	Sg	19:06:00.26	-0.04
KOVH	36.1	238	Pg	19:05:58.02	0.05
			Sg	06:02.96	-0.04

1250.

2023-08-28 time: 3:06:36.25 UTC ML= 1.4
lat: 47.885N lon: 18.153E h= 20.9 km
erh= 1.5km erz= 1.6km
nr= 12 gap=174 rms=0.30
Locality: Slovakia
Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	14.4	124	Pg	3:06:40.73	-0.01
			Sg	06:44.19	-0.06
PKSG	57.6	162	Pg	3:06:47.27	0.38
			Sg	06:55.02	-0.18
PKST	70.2	187	Sg	3:06:57.83	-0.76
EGYH	80.7	230	Pg	3:06:50.37	-0.03
			Sg	07:02.24	0.81
MODS	84.9	310	Pg	3:06:51.10	0.07
			Sg	07:01.98	-0.59
MPLH	91.9	210	Pg	3:06:52.15	0.05
			Sg	07:04.28	-0.19
PKS7	120.2	141	Sn	3:07:10.89	0.14

1251.

2023-08-28 time: 7:34:01.25 UTC ML= 1.4
lat: 48.566N lon: 21.383E h= 0.0 km
erh= 3.0km erz= 9.9km
nr= 7 gap=123 rms=0.97
Locality: Hollóháza
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	31.9	199	Pg	7:34:07.54	0.60
			Sg	34:10.59	-0.79
KECS	66.9	262	Pg	7:34:13.97	0.77
			Sg	34:22.35	-0.17
KOLS	77.2	58	Sg	7:34:26.09	0.31
TRPA	98.5	119	Sg	7:34:31.23	-1.33

Földrengés paraméterek

Hypocenter Parameters

LANS 154.8 295 Sn 7:34:43.87 -4.26

1256.

1252.

2023-08-28 time: 9:20:22.34 UTC ML= 0.6
 lat: 47.204N lon: 18.296E h= 0.0 km
 erh= 0.9km erz= 219km
 nr= 5 gap=148 rms=0.10
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	20.7	287	Pg	9:20:26.09			0.05
			Sg	20:28.83			-0.10
PKSG	22.0	19	Pg	9:20:26.17			-0.11
			Sg	20:29.53			0.18
PKSM	113.5	167	Sg	9:20:58.45			0.05

1253.

2023-08-28 time: 9:32:24.59 UTC ML= 1.6
 lat: 46.784N lon: 22.833E h= 0.0 km
 erh= 5.4km erz= 3.7km
 nr= 7 gap=261 rms=0.56
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	9.4	275	Pg	9:32:25.82			-0.44
			Sg	32:28.40			0.83
DEV	100.2	177	Sg	9:32:56.56			0.12
SURR	126.8	206	Sg	9:33:04.01			-0.89
GZR	154.6	182	Pn	9:32:51.57			0.67
			Sn	33:11.13			-0.29
BZS	160.2	216	Sn	9:33:12.60			-0.05

1254.

2023-08-28 time: 10:03:18.98 UTC ML= 2.4
 lat: 47.916N lon: 20.167E h= 0.0 km
 erh= 7.1km erz= 7.7km
 nr= 10 gap=102 rms=1.25
 Locality: Sirok
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	20.3	271	Pg	10:03:22.81			0.20
			Sg	03:25.36			-0.08
KECS	67.4	21	Sg	10:03:39.96			-0.43
PENC	67.7	258	Sg	10:03:39.48			-1.01
PKSG	145.6	246	Sn	10:04:02.67			-1.15
LANS	146.6	339	Pn	10:03:45.98			1.68
PKS6	153.3	197	Pn	10:03:44.26			-0.87
MORH	221.6	211	Sn	10:04:24.64			3.95
PKSM	222.1	211	Sn	10:04:24.40			3.60
DRGR	229.3	123	Sn	10:04:20.20			-2.21

1255.

2023-08-28 time: 10:49:00.13 UTC ML= 1.3
 lat: 48.886N lon: 21.099E h= 0.0 km
 erh= 4.0km erz= 784km
 nr= 6 gap=161 rms=0.45
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	60.0	10	Pg	10:49:10.76			-0.08
			Sg	49:18.98			-0.21
KECS	63.6	225	Pg	10:49:11.86			0.37
			Sg	49:19.64			-0.71
ABAH	66.4	171	Pg	10:49:12.48			0.50
			Sg	49:20.46			-0.77

2023-08-28 time: 10:51:39.13 UTC ML= 1.4
 lat: 48.899N lon: 21.053E h= 0.0 km
 erh= 3.5km erz= 997km
 nr= 8 gap=155 rms=0.71
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	59.3	14	Sg	10:51:57.30			-0.67
KECS	62.3	222	Pg	10:51:51.04			0.79
			Sg	51:57.46			-1.46
ABAH	68.4	168	Pg	10:51:51.43			0.09
			Sg	52:00.35			-0.52
NIE	79.1	317	Sg	10:52:04.11			-0.16
LANS	119.3	284	Pg	10:52:01.21			0.79
			Sg	52:16.32			-0.72

1257.

2023-08-29 time: 7:42:44.58 UTC ML= 1.3
 lat: 47.109N lon: 17.911E h= 0.0 km
 erh= 2.4km erz= 958km
 nr= 13 gap=106 rms=0.80
 Locality: Kádárta
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	19.1	29	Pg	7:42:47.82			-0.17
			Sg	42:50.22			-0.43
TIH	23.3	183	Pg	7:42:49.11			0.38
			Sg	42:53.26			1.28
MPLH	29.0	284	Pg	7:42:49.73			-0.02
			Sg	42:53.12			-0.67
PKSG	48.0	49	Pg	7:42:54.12			0.97
			Sg	42:59.38			-0.46
MORH	114.1	151	Pg	7:43:05.64			0.70
			Sg	43:19.14			-1.69
PKSM	114.3	151	Pg	7:43:05.25			0.26
			Sg	43:18.98			-1.94
KOVH	114.4	173	Sg	7:43:19.69			-1.25

1258.

2023-08-29 time: 10:00:05.27 UTC ML= 1.7
 lat: 47.319N lon: 18.457E h= 0.0 km
 erh= 3.8km erz= 4.1km
 nr= 11 gap=205 rms=0.77
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	9.5	328	PgU	10:00:07.31			0.34
			Sg	00:07.63			-0.67
CSKK	15.6	288	PgU	10:00:08.49			0.43
			Sg	00:09.49			-0.75
PKST	32.6	258	Pg	10:00:11.72			0.62
			Sg	00:14.55			-1.09
MPLH	71.4	257	Pg	10:00:19.05			1.03
MORH	123.4	173	Sg	10:00:43.54			-0.96
PKSM	123.8	173	Sg	10:00:44.33			-0.31
KOVH	139.5	191	Sn	10:00:48.40			-0.34
MODS	146.8	323	Sn	10:00:48.59			-1.78

1259.

2023-08-30 time: 7:01:37.51 UTC ML= 1.6
 lat: 48.807N lon: 19.427E h= 0.0 km
 erh= 3.1km erz= 5.2km
 nr= 9 gap=112 rms=0.65
 Locality: Slovakia
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
LANS	38.3	4	Pg	7:01:44.71	0.36
			Sg	01:49.56	-0.12
NIE	93.9	44	Pg	7:01:54.26	-0.01
			Sg	02:06.46	-0.89
PSZ	104.7	161	Pg	7:01:56.75	0.53
			Sg	02:10.22	-0.59
JAVC	129.1	273	Pg	7:02:00.35	-0.21
ABAH	145.4	113	Sn	7:02:20.24	-2.06
STHS	148.9	63	Sn	7:02:24.78	1.69

1260.

2023-08-30 time: 8:06:33.37 UTC ML= 1.3
 lat: 48.607N lon: 20.799E h= 0.0 km
 erh= 1.8km erz= 709km
 nr= 12 gap= 85 rms=0.58
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.9	239	Pg	8:06:38.38	0.20
			Sg	06:42.12	0.19
ABAH	47.5	137	Pg	8:06:42.16	0.30
			Sg	06:48.49	0.00
STHS	95.7	20	Sg	8:07:03.59	-0.21
NIE	97.0	339	Pg	8:06:51.82	1.13
			Sg	07:03.80	-0.40
PSZ	101.9	221	Pg	8:06:51.61	0.05
			Sg	07:04.84	-0.91
KOLS	114.3	72	Sg	8:07:08.13	-1.57
LANS	114.8	302	Pg	8:06:53.77	-0.10
			Sg	07:09.03	-0.84

1261.

2023-08-30 time: 9:09:46.70 UTC ML= 1.5
 lat: 46.046N lon: 22.895E h= 0.0 km
 erh= 6.5km erz= ***km
 nr= 9 gap=188 rms=1.05
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.1	178	Pg	9:09:50.73	0.79
			Sg	09:52.25	-0.21
SURR	68.0	241	Pg	9:09:58.57	-0.28
GZR	73.1	187	Pg	9:09:59.88	0.12
			Sg	10:08.69	-1.26
DRGR	84.1	350	Pg	9:10:01.76	0.05
			Sg	10:12.02	-1.40
BZS	110.2	244	Pg	9:10:08.02	1.64
			Sg	10:18.63	-3.11

1262.

2023-08-30 time: 9:36:24.32 UTC ML= 2.0
 lat: 46.866N lon: 17.304E h= 0.0 km
 erh= 4.2km erz= ***km
 nr= 8 gap=148 rms=0.94
 Locality: Várvölgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	38.3	28	Pg	9:36:31.66	0.50
			Sg	36:37.45	0.95
PKST	70.7	52	Pg	9:36:37.80	0.86
			Sg	36:45.35	-1.43
KOGS	93.0	240	Sg	9:36:53.02	-0.88
PKSG	101.1	55	Sg	9:36:54.82	-1.64
KOVH	105.9	145	Sg	9:36:58.50	0.53
PKSM	125.7	125	Sg	9:37:03.70	-0.59

1263.

2023-08-30 time: 11:30:14.26 UTC ML= 1.5
 lat: 48.360N lon: 19.883E h= 0.0 km
 erh= 2.5km erz= 718km
 nr= 8 gap=162 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.7	73	Pg	11:30:23.18	0.59
			Sg	30:29.28	0.19
PSZ	49.1	179	Pg	11:30:23.33	0.31
			Sg	30:29.36	-0.49
LANS	93.1	341	Pg	11:30:30.71	-0.17
ABAH	100.8	94	Sg	11:30:45.50	-0.81
NIE	122.0	15	Pg	11:30:36.11	0.08
			Sg	30:50.90	-2.12

1264.

2023-08-30 time: 14:59:05.12 UTC ML= 2.2
 lat: 48.226N lon: 21.228E h= 0.0 km
 erh= 3.2km erz= 6.0km
 nr= 11 gap=119 rms=0.96
 Locality: Rátka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.9	6	PgU	14:59:07.18	0.66
			Sg	59:07.94	0.32
KECS	62.0	297	Pg	14:59:16.90	0.71
			Sg	59:24.32	-0.51
TRPA	98.1	96	Pg	14:59:23.15	0.52
			Sg	59:35.15	-1.15
PSZ	105.1	251	Pg	14:59:24.60	0.72
KOLS	110.2	44	Pg	14:59:25.11	0.32
			Sg	59:38.36	-1.78
BSZH	125.7	215	Sg	14:59:42.43	-2.63
NIE	148.7	333	Sn	14:59:49.15	-1.50

1265.

2023-08-30 time: 21:16:50.01 UTC ML= 1.9
 lat: 47.458N lon: 18.200E h= 0.0 km
 erh= 1.3km erz= 1.8km
 nr= 41 gap= 53 rms=0.95
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.5	157	PgU	21:16:52.68	0.62
			Sg	16:54.43	0.76
PKSG	16.2	117	PgU	21:16:53.21	0.32
			Sg	16:55.61	0.47
PKST	25.5	209	PgD	21:16:55.17	0.62
			Sg	16:58.70	0.60
SRO	40.4	12	Pg	21:16:58.81	1.59
			Sg	17:04.70	1.86
MPLH	59.4	237	PgU	21:17:01.22	0.61
			Sg	17:08.49	-0.38
PBUD	61.2	89	Sg	21:17:09.05	-0.42
BUD	62.1	87	Sg	21:17:08.60	-1.16
TIH	66.3	201	Pg	21:17:01.79	-0.06
PKS7	85.9	122	Sg	21:17:16.61	-0.69
PKB1	87.4	149	Pg	21:17:06.46	0.85
PENC	89.3	66	Pg	21:17:06.32	0.37
PKS9	97.1	176	Pg	21:17:08.42	1.08
PKB5	104.3	157	Pg	21:17:09.32	0.70
			Sg	17:22.46	-0.69
PKB4	111.3	164	Pg	21:17:10.66	0.78
			Sg	17:24.10	-1.28
MODS	123.0	326	Pg	21:17:11.95	-0.01
			Sg	17:27.20	-1.89
SOP	126.1	281	Pg	21:17:12.64	0.12

Földrengés paraméterek

		Sg	17:28.17	-1.91	
SMOL	130.7	334	Pn	21:17:12.83	-0.51
			Sn	17:29.32	-2.22
PSZ	137.1	68	Pn	21:17:14.07	-0.06
			Sn	17:30.94	-2.01
MORH	142.2	166	Pn	21:17:14.02	-0.75
			Sn	17:32.42	-1.67
PKSM	142.6	166	Pn	21:17:14.11	-0.71
			Sn	17:30.71	-3.47
RONA	145.7	281	Pn	21:17:14.97	-0.24
			Sn	17:32.70	-2.17
KOVH	152.5	183	Pn	21:17:15.59	-0.47
			Sn	17:33.08	-3.29
JAVC	160.7	346	Pn	21:17:17.12	0.05
CONA	183.2	287	Pn	21:17:20.45	0.57
			Sn	17:42.04	-1.14
ARSA	203.6	263	Sn	21:17:51.14	3.43

1266.

2023-08-31 time: 8:32:28.81 UTC ML= 1.2
 lat: 46.160N lon: 18.307E h= 0.0 km
 erh= 3.1km erz= 772km
 nr= 9 gap=111 rms=0.59
 Locality: Zobákpuszta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.9	244	PgU	8:32:32.11	0.10
			Sg	32:33.81	-0.69
PKSM	26.4	77	Pg	8:32:33.99	0.46
			Sg	32:36.31	-0.90
MORH	26.7	77	Pg	8:32:34.22	0.63
			Sg	32:37.05	-0.26
PKSV	30.5	188	Pg	8:32:34.55	0.30
			Sg	32:37.91	-0.58
PKST	124.0	350	Sg	8:33:06.09	-2.12

1267.

2023-08-31 time: 9:16:16.58 UTC ML= 1.9
 lat: 45.564N lon: 17.488E h= 17.2 km
 erh= 2.1km erz= 3.4km
 nr= 20 gap= 90 rms=0.57
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	69.5	59	P*	9:16:28.82	-0.47
			S*	16:37.29	-1.91
KOVH	75.2	39	P*	9:16:29.96	-0.19
			S*	16:40.65	-0.08
BLY	93.7	195	P*	9:16:33.18	0.21
			S*	16:44.33	-1.43
BEHE	114.8	331	Pn	9:16:35.70	-0.02
			Sn	16:50.40	-0.26
PKSM	114.9	51	Pn	9:16:35.74	0.01
			Sn	16:50.48	-0.19
MORH	115.3	51	Pn	9:16:35.61	-0.17
			Sn	16:50.69	-0.08
PTJ	124.8	287	Pn	9:16:36.92	-0.05
			Sn	16:52.25	-0.63
PKB4	134.9	40	Pn	9:16:39.40	1.17
KOGS	137.3	316	Pn	9:16:38.51	-0.01
			Sn	16:55.65	0.01
CRES	160.9	280	Pn	9:16:42.17	0.70
			Sn	17:01.51	0.63
FRGS	188.1	105	Pn	9:16:46.43	1.57

Hypocenter Parameters

1268.

2023-08-31 time: 10:00:02.86 UTC ML= 1.5
 lat: 48.520N lon: 17.492E h= 0.0 km
 erh= 1.1km erz= 2.1km
 nr= 12 gap=205 rms=0.27
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.7	262	Pg	10:00:03.53	-0.17
			Sg	00:04.39	0.04
MODS	22.7	224	Pg	10:00:07.27	0.35
			Sg	00:10.17	0.09
JAVC	40.0	19	Pg	10:00:09.93	-0.07
			Sg	00:15.51	-0.06
KRUC	100.6	307	Pg	10:00:21.25	0.42
			Sg	00:34.29	-0.56
VRAC	109.6	323	Pg	10:00:22.53	0.09
RONA	127.4	224	Pg	10:00:25.58	-0.04
CONA	137.8	241	Pn	10:00:26.72	-0.36
			Sn	00:44.44	-1.53*

1269.

2023-08-31 time: 10:05:53.82 UTC ML= 0.7
 lat: 47.209N lon: 18.303E h= 0.0 km
 erh= 1.9km erz= 625km
 nr= 8 gap=149 rms=0.45
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.4	349	Sg	10:05:59.11	-0.26
PKST	21.1	285	Pg	10:05:57.86	0.26
			Sg	06:00.28	-0.26
PKSG	21.4	18	Pg	10:05:57.94	0.30
			Sg	06:00.00	-0.62
MORH	113.4	167	Sg	10:06:30.33	0.45
PKSM	113.8	167	Sg	10:06:30.25	0.25
KOVH	125.6	187	Sg	10:06:32.44	-1.29

1270.

2023-08-31 time: 11:48:15.04 UTC ML= 1.2
 lat: 47.884N lon: 16.067E h= 0.0 km
 erh= 1.2km erz= 2.2km
 nr= 8 gap=130 rms=0.95
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.1	288	Pg	11:48:18.77	0.85
			Sg	48:20.95	0.78
RONA	26.8	140	Pg	11:48:20.56	0.74
			Sg	48:24.08	0.53
ARSA	81.5	210	Pg	11:48:29.31	-0.28
			Sg	48:39.37	-1.57
KRUC	133.2	10	Pn	11:48:38.20	-0.48
			Sn	48:54.28	-2.84

1271.

2023-08-31 time: 11:52:22.24 UTC ML= 0.7
 lat: 47.854N lon: 16.035E h= 0.0 km
 erh= 1.5km erz= 328km
 nr= 5 gap=171 rms=0.17
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.4	302	Pg	11:52:25.02	0.03
			Sg	52:27.00	-0.13
RONA	26.0	131	Pg	11:52:26.97	0.09

Hypocenter Parameters

MODS 109.0 58 Sg 52:30.09 -0.41
 Sg 11:52:57.10 0.20

1272.

2023-09-01 time: 6:15:26.68 UTC ML= 1.4
 lat: 47.868N lon: 19.230E h= 0.0 km
 erh= 5.5km erz= ***km
 nr= 7 gap=181 rms=0.93
 Locality: Alsópetény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	9.5	156	Pg	6:15:29.18	0.81
			Sg	15:30.18	0.50
PSZ	50.0	84	Pg	6:15:36.37	0.76
			Sg	15:41.84	-0.73
PKST	112.6	233	Sg	6:16:00.66	-1.81
KECS	115.8	54	Pg	6:15:47.39	0.04
			Sg	16:01.83	-1.64

1273.

2023-09-01 time: 9:06:42.15 UTC ML= 1.5
 lat: 47.865N lon: 19.157E h= 0.0 km
 erh= 6.7km erz= ***km
 nr= 6 gap=184 rms=1.00
 Locality: Nótincs
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	12.5	131	Pg	9:06:45.08	0.71
			Sg	06:46.67	0.56
PSZ	55.5	84	Pg	9:06:52.77	0.72
			Sg	06:59.39	-0.39
PKST	108.0	231	Sg	9:07:15.00	-1.49
KECS	120.4	55	Sg	9:07:18.44	-1.98

1274.

2023-09-02 time: 20:04:41.38 UTC ML= 1.2
 lat: 46.028N lon: 18.479E h= 7.3 km
 erh= 0.9km erz= 1.3km
 nr= 16 gap=176 rms=0.23
 Locality: Máriakéménd
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	23.4	229	PgD	20:04:45.92	0.16
			Sg	04:49.12	-0.06
PKSM	24.0	32	Pg	20:04:46.00	0.14
			Sg	04:49.22	-0.13
MORH	24.5	32	Pg	20:04:45.98	0.04
			Sg	04:49.26	-0.24
KOVH	30.1	283	Pg	20:04:46.93	0.03
			Sg	04:50.68	-0.53
PKS9	64.0	346	Pg	20:04:53.46	0.58
			Sg	05:01.80	-0.06
PKB3	70.6	51	Sg	20:05:03.81	-0.14
PKS2	76.6	48	Pg	20:04:55.21	0.09
PKB1	87.5	16	Pg	20:04:56.74	-0.31
			Sg	05:09.59	0.32
PKS6	105.1	53	Pg	20:05:00.02	-0.16
PKSG	151.8	357	Sn	20:05:25.78	-0.13

1275.

2023-09-04 time: 8:43:53.55 UTC ML= 1.3
 lat: 48.604N lon: 21.351E h= 0.0 km
 erh= 3.3km erz= ***km
 nr= 7 gap= 97 rms=0.74
 Locality: Slovakia
 Comments: probably explosion

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
ABAH	35.2	194	Sg	8:44:05.27	0.53
KECS	65.3	258	Pg	8:44:05.43	0.22
			Sg	44:13.26	-1.04
KOLS	77.1	62	Sg	8:44:18.11	0.06
STHS	90.7	355	Pg	8:44:10.67	0.91
			Sg	44:21.55	-0.84
TRPA	102.6	121	Sg	8:44:25.07	-1.10

1276.

2023-09-04 time: 8:46:54.76 UTC ML= 1.7
 lat: 47.344N lon: 18.443E h= 0.0 km
 erh= 1.9km erz= 3.6km
 nr= 13 gap=113 rms=0.63
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.6	323	PgU	8:46:55.96	0.02
			Sg	46:56.62	-0.24
CSKK	13.9	279	Pg	8:46:57.41	0.16
			Sg	46:58.62	-0.57
PKST	32.3	253	Pg	8:47:01.32	0.79
			Sg	47:04.34	-0.69
MORH	126.4	173	Sg	8:47:33.94	-0.99
PSZ	126.4	60	Pg	8:47:17.58	0.25
			Sg	47:34.33	-0.61
PKSM	126.8	173	Sg	8:47:34.64	-0.42
KOVH	142.0	191	Pn	8:47:20.56	1.06
			Sn	47:38.24	-0.56
MODS	143.9	323	Sn	8:47:36.44	-2.78

1277.

2023-09-04 time: 10:00:25.54 UTC ML= 1.4
 lat: 48.162N lon: 16.885E h= 0.0 km
 erh= 3.2km erz= 787km
 nr= 6 gap=170 rms=0.45
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	37.4	51	Pg	10:00:32.55	0.32
			Sg	00:37.66	0.21
SMOL	56.2	46	Sg	10:00:42.76	-0.64
RONA	67.7	221	Sg	10:00:46.45	-0.60
CONA	80.6	251	Sg	10:00:51.79	0.62
KRUC	106.4	340	Sg	10:00:59.10	-0.27

1278.

2023-09-04 time: 10:12:48.55 UTC ML= 1.4
 lat: 47.834N lon: 20.180E h= 0.0 km
 erh= 8.5km erz= ***km
 nr= 6 gap=209 rms=0.67
 Locality: Vécs
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	23.3	294	Pg	10:12:53.11	0.39
			Sg	12:55.86	-0.10
PENC	67.4	266	Sg	10:13:09.16	-0.82
KECS	75.7	18	Pg	10:13:02.91	0.83
			Sg	13:11.90	-0.72
ABAH	94.3	57	Sg	10:13:17.69	-0.82

Földrengés paraméterek

Hypocenter Parameters

1279.

2023-09-04 time: 10:18:10.75 UTC ML= 1.0
 lat: 47.096N lon: 17.918E h= 0.0 km
 erh= 1.9km erz= 623km
 nr= 10 gap=124 rms=0.48
 Locality: Veszprém
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.2	26	Pg	10:18:14.46	0.10
			Sg	18:16.84	-0.34
TIH	21.8	185	Pg	10:18:14.96	0.31
			Sg	18:18.16	0.47
MPLH	29.9	286	Pg	10:18:16.31	0.22
			Sg	18:19.64	-0.61
MORH	112.5	150	Pg	10:18:30.81	-0.03
			Sg	18:45.29	-1.22
PKSM	112.8	151	Pg	10:18:31.35	0.46
KOVH	112.8	173	Sg	10:18:45.45	-1.17

1280.

2023-09-04 time: 10:45:00.54 UTC ML= 1.9
 lat: 46.841N lon: 17.454E h= 0.0 km
 erh= 6.4km erz= ***km
 nr= 6 gap=243 rms=0.60
 Locality: Kisapáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	37.2	10	Pg	10:45:07.17	-0.01
			Sg	45:11.33	-1.03
PKST	64.1	43	Sg	10:45:21.03	0.12
CSKK	84.4	47	Pg	10:45:16.36	0.75
			Sg	45:27.49	0.13
PKSM	114.8	128	Sg	10:45:36.15	-0.88

1281.

2023-09-05 time: 6:20:41.53 UTC ML= 1.3
 lat: 47.262N lon: 18.406E h= 0.0 km
 erh= 2.6km erz= 5.6km
 nr= 11 gap=176 rms=0.74
 Locality: Sárkeresztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	14.5	356	Pg	6:20:44.51	0.39
			Sg	20:46.41	0.26
CSKK	15.8	316	Pg	6:20:43.58	-0.76
			Sg	20:45.36	-1.18
PKST	28.1	269	Pg	6:20:47.42	0.87
			Sg	20:51.36	0.90
MPLH	66.4	261	Pg	6:20:53.76	0.37
			Sg	21:01.88	-0.75
MORH	117.7	171	Sg	6:21:19.14	0.21
PKSM	118.1	171	Sg	6:21:18.85	-0.21
KOVH	132.5	190	Sn	6:21:21.69	-1.77

1282.

2023-09-05 time: 6:57:23.40 UTC ML= 1.7
 lat: 47.245N lon: 17.943E h= 11.0 km
 erh= 1.1km erz= 0.8km
 nr= 20 gap= 83 rms=0.36
 Locality: Olaszfalu
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	7.1	77	PgU	6:57:26.05	0.33
			Sg	57:27.21	-0.33
CSKK	27.4	61	Pg	6:57:28.57	-0.09
			Sg	57:32.71	-0.06

MPLH	31.7	255	Pg	6:57:29.57	0.19
			Sg	57:34.04	-0.02
PKSG	37.6	64	Pg	6:57:30.39	0.00
			Sg	57:35.77	-0.07
TIH	38.5	186	Pg	6:57:30.21	-0.34
			Sg	57:35.61	-0.51
PKS9	77.5	161	Pg	6:57:37.23	-0.13
PKB1	82.4	128	Pg	6:57:38.51	0.27
MORH	126.3	155	Pn	6:57:45.13	0.35
			Sn	58:00.64	-0.81
PKSM	126.6	155	Pn	6:57:45.32	0.50
			Sn	58:00.64	-0.88
KOVH	129.1	175	Pn	6:57:45.70	0.57
			Sn	58:01.41	-0.67
MODS	135.1	338	Pn	6:57:45.95	0.08
			Sn	58:02.82	-0.58

1283.

2023-09-05 time: 9:06:48.11 UTC ML= 1.3
 lat: 48.490N lon: 17.368E h= 0.0 km
 erh= 1.3km erz= 351km
 nr= 7 gap=148 rms=0.23
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.2	60	Pg	9:06:48.74	-0.29
			Sg	06:49.86	0.11
MODS	14.6	207	Pg	9:06:50.64	-0.08
			Sg	06:52.89	0.13
JAVC	46.7	28	Pg	9:06:56.82	0.38
			Sg	07:02.68	-0.26
KRUC	95.7	312	Sg	9:07:18.58	0.05

1284.

2023-09-05 time: 9:50:31.53 UTC ML= 0.7
 lat: 47.230N lon: 18.322E h= 0.0 km
 erh= 3.4km erz= 792km
 nr= 7 gap=152 rms=0.55
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.4	343	Pg	9:50:34.66	0.37
			Sg	50:35.86	-0.58
PKSG	18.7	16	Pg	9:50:35.18	0.31
			Sg	50:36.87	-0.60
PKST	22.0	278	Pg	9:50:35.84	0.39
			Sg	50:38.35	-0.16
PKSM	115.9	168	Sg	9:51:06.61	-1.75

1285.

2023-09-05 time: 9:53:48.39 UTC ML= 1.2
 lat: 47.854N lon: 16.038E h= 0.0 km
 erh= 2.9km erz= 5.9km
 nr= 8 gap= 92 rms=0.75
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.6	302	Pg	9:53:51.62	0.45
			Sg	53:53.67	0.34
RONA	25.9	131	Pg	9:53:53.68	0.68
			Sg	53:57.00	0.39
ARSA	77.4	210	Sg	9:54:11.85	-1.15
MODS	108.9	58	Sg	9:54:22.34	-0.67
KRUC	136.9	11	Pn	9:54:12.25	-0.25
			Sn	54:28.58	-2.72

Hypocenter Parameters

Földregés paraméterek

1286.
 2023-09-05 time: 12:03:24.23 UTC ML= 1.6
 lat: 45.641N lon: 22.395E h= 10.7 km
 erh= 4.7km erz= 4.5km
 nr= 8 gap=135 rms=0.58
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	24.5	301	Pg	12:03:28.86	-0.15
			Sg	03:33.04	0.30
GZR	40.6	133	Pg	12:03:31.70	-0.03
			Sg	03:37.19	-0.38
BZS	60.7	267	Pg	12:03:35.26	0.01
			Sg	03:43.38	-0.46
DRGR	130.2	11	Pn	12:03:47.41	1.28
			Sn	04:01.96	-1.25

1287.
 2023-09-05 time: 12:30:51.13 UTC ML= 1.4
 lat: 46.054N lon: 21.760E h= 11.5 km
 erh= 5.1km erz= 4.5km
 nr= 8 gap=172 rms=0.68
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	43.8	140	Pg	12:30:58.34	-0.86
			BZS	49.9	193
TIM	54.7	230	Sg	31:07.30	-0.09
			Sg	12:31:08.81	-0.08
GZR	108.0	133	Pn	12:31:10.60	0.45
			Sn	31:24.54	-0.46
DRGR	109.9	42	Pn	12:31:11.34	0.95
			Sn	31:24.14	-1.28

1288.
 2023-09-05 time: 13:43:04.40 UTC ML= 1.6
 lat: 48.475N lon: 21.658E h= 0.0 km
 erh= 2.6km erz= 4.6km
 nr= 9 gap=196 rms=0.44
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.8	237	Pg	13:43:10.98	0.00
			Sg	43:15.77	-0.33
KOLS	68.2	42	Pg	13:43:17.01	0.43
			Sg	43:25.02	-1.05
KECS	86.7	271	Pg	13:43:20.14	0.26
			Sg	43:31.67	-0.28
STHS	109.0	344	Sg	13:43:39.28	0.22
			PSZ	145.0	245
			Sn	43:45.64	-3.46*

1289.
 2023-09-05 time: 19:07:50.82 UTC ML= 1.4
 lat: 48.374N lon: 17.099E h= 2.9 km
 erh= 2.0km erz=13.6km
 nr= 10 gap=128 rms=0.44
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	13.2	90	PgU	19:07:53.08	-0.16
			Sg	07:54.72	-0.40
SMOL	28.9	57	Pg	19:07:56.00	-0.01
			Sg	07:59.71	-0.35
JAVC	68.5	38	Pg	19:08:03.57	0.51
			Sg	08:12.16	-0.44

KRUC	92.4	326	Pg	19:08:07.72	0.39
			Sg	08:19.54	-0.66
RONA	95.9	219	Pg	19:08:08.50	0.54
			Sg	08:20.57	-0.76

1290.
 2023-09-05 time: 22:03:50.44 UTC ML= 1.7
 lat: 47.272N lon: 16.405E h= 7.2 km
 erh= 1.8km erz= 1.9km
 nr= 30 gap= 90 rms=0.97
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	47.1	14	Pg	22:03:58.61	-0.35
			Sg	04:04.45	-1.15
RONA	48.2	350	Pg	22:03:59.19	0.04
			Sg	04:05.31	-0.63
ARSA	66.8	268	Pg	22:04:03.21	0.77
			Sg	04:11.04	-0.75
EGYH	71.9	77	Pg	22:04:04.30	0.96
			Sg	04:12.79	-0.61
CONA	83.6	331	Pg	22:04:06.25	0.82
			Sg	04:16.14	-0.97
MPLH	86.7	98	Sg	22:04:16.68	-1.41
			KOGS	92.4	187
WINA	96.1	345	Sg	04:18.65	-1.24
			Pg	22:04:07.79	0.13
RCF6	109.8	198	Sg	04:19.92	-1.16
			Pg	22:04:10.95	0.86
GROS	113.5	217	Sg	04:23.87	-1.54
			Pn	22:04:11.07	0.36
PERS	120.9	234	Sn	04:24.45	-2.07
			Sn	22:04:27.09	-1.08
PKST	123.3	91	Sn	22:04:27.63	-1.08
			Sn	22:04:27.94	-0.82
SOKA	123.6	238	Sn	22:04:27.94	-0.82
			Pn	22:04:14.51	0.64
MODS	138.8	28	Sn	04:31.23	-0.91
			Sn	22:04:34.69	-0.09
PKSG	150.7	85	Sn	22:04:19.38	1.43
			Pn	22:04:19.38	1.43
ABNA	171.6	335	Sn	04:40.20	0.79
			Pn	22:04:19.77	1.60
MOA	173.3	292	Sn	04:43.19	3.40
			Sn	22:04:43.57	3.08

1291.
 2023-09-06 time: 6:52:53.00 UTC ML= 2.2
 lat: 47.928N lon: 19.394E h= 0.0 km
 erh= 2.5km erz= 2.6km
 nr= 43 gap= 50 rms=1.40
 Locality: Becske
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.5	209	Pg	6:52:55.75	-0.36
			Sg	52:57.84	-0.71
PSZ	37.4	92	Pg	6:52:59.37	-0.31
			Sg	53:04.47	-0.43
SF5A	44.1	180	Sg	6:53:06.11	-0.91
			BUD	56.7	209
PBUD	58.9	209	Sg	6:53:10.34	-1.37
			Sg	6:53:22.64	-0.83
BSZH	95.9	137	Pg	6:53:09.74	-0.42
			Sg	53:22.56	-0.98
PKSG	96.1	232	Pg	6:53:10.93	0.17
			Sg	53:23.03	-1.59
PKS7	99.5	190	Pg	6:53:11.41	0.21
			Sg	53:24.32	-1.08
KECS	102.0	53	Pg	6:53:12.32	0.43
			Sg	53:24.64	-1.99
CSKK	105.8	234	Pg	6:53:16.07	0.49
			Sg	53:30.84	-2.35
PKST	126.5	234	Pg	6:53:16.29	-0.70
			Pn	6:53:16.29	-0.70
LANS	136.0	2	Pn		

Földrengés paraméterek

Hypocenter Parameters

		Sn	53:33.11	-2.60
ABAH 143.4	73	Pn	6:53:18.21	0.30
		Sn	53:35.57	-1.77
SMOL 159.9	294	Pn	6:53:21.79	1.82
		Sn	53:38.97	-2.03
MPLH 163.1	239	Pn	6:53:21.65	1.29
		Sn	53:41.99	0.28
JAVC 164.3	309	Pn	6:53:20.79	0.27
		Sn	53:40.71	-1.28
EGYH 164.9	250	Sn	6:53:42.92	0.79
MODS 165.1	287	Pn	6:53:21.00	0.38
		Sn	53:42.84	0.68
PKB4 170.1	201	Sn	6:53:43.23	-0.03
PKS9 171.3	210	Sn	6:53:43.84	0.30
LTVH 197.8	108	Sn	6:53:48.54	-0.87
MORH 198.7	197	Pn	6:53:29.20	4.39
		Sn	53:48.57	-1.05
PKSM 199.2	197	Pn	6:53:29.30	4.43
		Sn	53:48.41	-1.31
SOP 214.1	263	Sn	6:53:56.89	3.85
KOVH 227.0	206	Sn	6:54:00.48	4.59
RONA 233.4	264	Pn	6:53:29.68	0.55
TRPA 235.7	85	Pn	6:53:29.89	0.47
MORC 246.4	327	Sn	6:53:59.14	-1.07

1292.

2023-09-06 time: 7:38:56.72 UTC ML= 1.6
 lat: 46.047N lon: 22.860E h= 0.0 km
 erh= 3.5km erz= 792km
 nr= 8 gap=177 rms=0.57
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.5	169	Pg	7:39:00.26	0.24
			Sg	39:02.76	0.17
GZR	72.9	185	Pg	7:39:09.65	-0.09
			Sg	39:19.19	-0.71
DRGR	83.6	352	Pg	7:39:11.99	0.34
			Sg	39:22.39	-0.91
BZS	107.8	244	Pg	7:39:16.68	0.71
			Sg	39:29.68	-1.30

1293.

2023-09-06 time: 9:46:33.72 UTC ML= 1.6
 lat: 48.579N lon: 20.766E h= 0.0 km
 erh= 3.8km erz= 6.6km
 nr= 9 gap=138 rms=0.84
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.3	243	Pg	9:46:38.01	0.14
			Sg	46:40.84	-0.28
ABAH	47.1	132	Sg	9:46:49.16	0.46
PSZ	97.9	221	Pg	9:46:51.56	0.36
			Sg	47:03.43	-1.41
STHS	99.5	21	Sg	9:47:04.98	-0.36
KOLS	117.6	70	Sg	9:47:10.70	-0.41
TRPA	140.6	111	Pn	9:46:59.60	1.32
			Sn	47:15.27	-2.17

1294.

2023-09-06 time: 11:26:11.51 UTC ML= 1.7
 lat: 45.730N lon: 19.879E h= 24.3 km
 erh= 6.4km erz= 4.4km
 nr= 8 gap=166 rms=0.30
 Locality: Serbia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BANR	105.5	112	Sn	11:26:41.52	-0.71

PKSM 109.8	299	Pn	11:26:29.31	0.00
		Sn	26:42.89	-0.30
MORH 109.9	299	Pn	11:26:29.23	-0.08
		Sn	26:43.01	-0.19
PKSV 127.7	278	Sn	11:26:47.59	0.44
BZS 136.0	95	Pn	11:26:32.86	0.29
		Sn	26:49.39	0.39

1295.

2023-09-06 time: 11:44:45.58 UTC ML= 1.8
 lat: 45.811N lon: 19.907E h= 21.9 km
 erh= 7.1km erz= 6.0km
 nr= 11 gap=175 rms=0.66
 Locality: Serbia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKB3	87.6	321	Pg	11:45:00.50	-0.29
			Sg	45:13.11	0.45
MORH 107.7	295	Pn	11:45:03.46	0.14	
		Sn	45:16.74	-0.42	
PKSM 107.7	294	Sn	11:45:16.33	-0.83	
PKSV 128.9	274	Pn	11:45:05.37	-0.59	
		Sn	45:21.26	-0.60	
BZS 134.8	99	Pn	11:45:06.78	0.07	
		Sn	45:22.93	-0.26	
KOVH 143.5	282	Pn	11:45:09.18	1.39	
		Sn	45:26.62	1.51	

1296.

2023-09-06 time: 13:45:31.76 UTC ML= 1.8
 lat: 47.092N lon: 19.368E h= 0.0 km
 erh= 6.5km erz= ***km
 nr= 12 gap=186 rms=1.01
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.5	253	Pg	13:45:35.08	0.37
			Sg	45:36.63	-0.39
PKB1	55.6	232	Pg	13:45:42.09	0.40
PKB5	73.4	221	Pg	13:45:46.40	1.54
PENC	77.9	355	Pg	13:45:46.67	0.99
PSZ	100.1	23	Pg	13:45:49.42	-0.21
			Sg	46:01.34	-2.22
PKS9	100.3	236	Pg	13:45:49.57	-0.10
MORH	112.1	210	Pg	13:45:51.86	0.09
			Sg	46:04.97	-2.41
PKSM	112.6	210	Pg	13:45:51.74	-0.12
			Sg	46:05.13	-2.41

1297.

2023-09-06 time: 14:05:45.05 UTC ML= 1.8
 lat: 47.089N lon: 19.398E h= 0.0 km
 erh= 5.5km erz= 949km
 nr= 10 gap=189 rms=0.74
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.6	256	Pg	14:05:48.45	0.08
			Sg	05:50.46	-0.50
PKB1	57.2	234	Pg	14:05:55.22	-0.05
PKB5	74.6	223	Pg	14:05:59.83	1.46
PENC	78.5	354	Pg	14:06:00.02	0.94
PSZ	99.6	22	Pg	14:06:02.65	-0.18
			Sg	06:14.11	-2.59
PKS9	102.0	237	Pg	14:06:02.57	-0.69
MORH	112.9	211	Pg	14:06:04.86	-0.35
PKSM	113.4	211	Pg	14:06:04.93	-0.37

Hypocenter Parameters

Földrengés paraméterek

1298.

2023-09-07 time: 7:01:20.18 UTC ML= 1.9
 lat: 48.194N lon: 18.795E h= 0.0 km
 erh= 2.1km erz= 6.0km
 nr= 16 gap= 73 rms=0.93
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	57.7	141	Sg	7:01:38.93	0.40
PSZ	87.5	111	Sg	7:01:47.69	-0.31
PKSG	94.2	199	Sg	7:01:50.59	0.47
CSKK	100.7	203	Sg	7:01:51.84	-0.34
SMOL	107.3	289	Pg	7:01:40.33	0.98
			Sg	01:53.33	-0.97
JAVC	111.2	312	Pg	7:01:41.19	1.15
			Sg	01:54.58	-0.95
MODS	114.4	280	Pg	7:01:41.74	1.13
			Sg	01:55.99	-0.55
LANS	117.4	25	Sg	7:01:56.53	-0.95
PKST	118.6	209	Sg	7:01:57.08	-0.79
ZST	125.8	270	Sg	7:01:58.41	-1.77
KECS	129.4	76	Pg	7:01:43.78	0.49
			Sg	01:59.66	-1.65
MPLH	147.8	220	Sn	7:02:04.67	-0.83

1299.

2023-09-07 time: 7:49:38.05 UTC ML= 1.7
 lat: 48.433N lon: 17.218E h= 0.0 km
 erh= 1.4km erz= 633km
 nr= 15 gap= 86 rms=0.55
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.9	146	PgU	7:49:39.28	-0.18
			Sg	49:40.49	-0.07
SMOL	18.0	60	Pg	7:49:40.92	-0.35
			Sg	49:43.58	-0.20
JAVC	58.0	35	Pg	7:49:49.02	0.61
			Sg	49:55.28	-1.20
KRUC	92.5	319	Pg	7:49:55.13	0.57
			Sg	50:07.53	0.09
SOP	96.7	211	Sg	7:50:08.96	0.17
RONA	106.6	220	Pg	7:49:57.42	0.34
			Sg	50:09.90	-2.02
VRAC	107.6	335	Pg	7:49:57.79	0.53
			Sg	50:11.68	-0.57
CONA	115.4	241	Pg	7:49:58.73	0.08
			Sg	50:13.57	-1.15

1300.

2023-09-07 time: 8:15:00.78 UTC ML= 1.3
 lat: 47.890N lon: 16.060E h= 0.0 km
 erh= 2.7km erz= 4.4km
 nr= 9 gap= 85 rms=0.79
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.4	286	Pg	8:15:04.35	0.83
			Sg	15:05.68	0.01
RONA	27.7	140	Pg	8:15:06.15	0.43
			Sg	15:09.68	0.11
ARSA	81.8	210	Sg	8:15:25.25	-1.53
MODS	105.4	59	Sg	8:15:34.25	-0.02
KRUC	132.6	11	Pn	8:15:24.70	0.36
			Sn	15:40.98	-1.75
VRAC	162.5	14	Sn	8:15:48.18	-1.18

1301.

2023-09-07 time: 8:16:12.98 UTC ML= 1.6
 lat: 47.327N lon: 18.468E h= 0.0 km
 erh= 1.8km erz= 606km
 nr= 8 gap=115 rms=0.43
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.2	321	PgU	8:16:15.10	0.47
			Sg	16:15.57	-0.34
CSKK	16.1	284	Pg	8:16:16.05	0.19
			Sg	16:17.03	-1.08
PKST	33.6	257	Sg	8:16:24.02	0.35
MORH	124.3	174	Sg	8:16:52.51	0.01
PKSM	124.7	174	Sg	8:16:52.35	-0.28
PSZ	125.8	59	Sg	8:16:52.59	-0.38

1302.

2023-09-07 time: 8:22:48.92 UTC ML= 1.8
 lat: 48.359N lon: 19.839E h= 0.0 km
 erh= 2.2km erz= 5.6km
 nr= 10 gap=118 rms=0.57
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	49.2	175	Pg	8:22:57.65	-0.06
			Sg	23:04.66	0.09
KECS	49.8	74	Pg	8:22:57.77	-0.05
			Sg	23:04.65	-0.11
PENC	75.7	213	Sg	8:23:12.24	-0.74
LANS	92.1	343	Pg	8:23:06.22	0.85
			Sg	23:17.02	-1.18
ABAH	104.1	94	Pg	8:23:07.94	0.43
			Sg	23:20.77	-1.24
PKSG	152.7	225	Pn	8:23:15.22	0.22

1303.

2023-09-07 time: 9:10:17.36 UTC ML= 0.9
 lat: 47.220N lon: 18.312E h= 0.0 km
 erh= 2.7km erz= 703km
 nr= 9 gap=150 rms=0.55
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.4	346	Pg	9:10:20.26	-0.03
			Sg	10:22.30	-0.28
PKSG	20.0	17	Pg	9:10:20.90	-0.04
			Sg	10:23.61	-0.12
PKST	21.5	282	Pg	9:10:21.82	0.62
			Sg	10:24.26	0.07
MPLH	58.8	265	Pg	9:10:28.40	0.54
			Sg	10:34.91	-1.15
PKSM	114.8	167	Sg	9:10:52.32	-1.54

1304.

2023-09-07 time: 9:12:23.38 UTC ML= 1.2
 lat: 46.836N lon: 17.272E h= 0.0 km
 erh= 2.5km erz= 743km
 nr= 6 gap=148 rms=0.43
 Locality: Vállus
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	42.4	29	Pg	9:12:31.42	0.47
			Sg	12:36.43	-0.42
PKST	74.6	51	Sg	9:12:46.77	-0.33
KOGS	89.3	241	Sg	9:12:52.16	0.38

Földrengés paraméterek

KOVH 104.6 143 Sg 9:12:56.63 0.00
RCF6 115.1 241 Sg 9:12:59.29 -0.67

1305.

2023-09-07 time: 10:21:53.83 UTC ML= 1.4
lat: 47.561N lon: 18.518E h= 0.0 km
erh= 5.4km erz= 4.7km
nr= 9 gap=205 rms=1.32
Locality: Tarján
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.1	207	Pg	10:21:58.96	1.37
			Sg	22:00.95	0.43
CSKK	29.3	221	Pg	10:22:00.09	1.03
			Sg	22:02.95	-0.19
SRO	32.0	331	Sg	10:22:04.55	0.54
PKST	49.5	227	Sg	10:22:09.44	-0.14
MODS	129.4	314	Sg	10:22:31.83	-3.14
MORH	149.8	176	Sn	10:22:38.01	-1.59
PKSM	150.2	176	Sn	10:22:37.93	-1.76

1306.

2023-09-07 time: 10:23:01.05 UTC ML= 1.3
lat: 47.569N lon: 18.507E h= 0.0 km
erh= 4.3km erz= 4.2km
nr= 7 gap=204 rms=0.82
Locality: Tarján
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.6	204	Pg	10:23:05.66	0.75
			Sg	23:07.66	-0.27
CSKK	29.5	219	Pg	10:23:07.19	0.86
			Sg	23:09.65	-0.79
SRO	30.8	332	Sg	10:23:10.43	-0.41
PKST	49.7	226	Sg	10:23:16.50	-0.34
MORH	150.8	176	Sn	10:23:45.30	-1.75

1307.

2023-09-07 time: 14:02:08.54 UTC ML= 1.3
lat: 46.752N lon: 22.760E h= 0.0 km
erh= 8.8km erz= 6.6km
nr= 6 gap=220 rms=0.78
Locality: Romania
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	5.8	319	PgU	14:02:09.13	-0.44
			Sg	02:10.93	0.56
SURR	121.3	204	Sg	14:02:45.92	-1.18
GZR	151.1	180	Pn	14:02:35.27	0.86
			Sn	02:53.74	-0.85
BZS	154.1	215	Sn	14:02:56.17	0.92

1308.

2023-09-07 time: 14:18:04.23 UTC ML= 1.9
lat: 47.115N lon: 19.335E h= 0.0 km
erh= 2.5km erz= 4.7km
nr= 14 gap=162 rms=0.53
Locality: Örkény
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.2	240	PgU	14:18:07.17	0.22
			Sg	18:08.78	-0.29
PKB1	55.3	228	Pg	14:18:13.79	-0.32
PKS2	69.9	188	Pg	14:18:16.84	0.14
PKB5	73.7	218	Pg	14:18:18.21	0.82
PENC	75.2	357	Pg	14:18:18.52	0.86

Hypocenter Parameters

PKSG 77.9 293 Pg 14:18:18.33 0.20
Sg 18:27.44 -1.54
PKB4 88.6 219 Pg 14:18:20.40 0.36
PSZ 98.8 25 Pg 14:18:21.38 -0.49
Sg 18:34.17 -1.45
MORH 113.1 208 Pg 14:18:24.16 -0.26
PKSM 113.6 208 Pg 14:18:24.16 -0.35
KOVH 148.3 220 Pn 14:18:29.63 -0.12

1309.

2023-09-08 time: 5:09:10.95 UTC ML= 3.2
lat: 46.822N lon: 20.674E h= 17.1 km
erh= 1.3km erz= 1.2km
nr= 42 gap= 95 rms=0.54
Locality: Csabacsüd
Comments: felt 4-5 MIS/IIS

sta	dist	azm	phase	hr mn sec	res
BSZH	61.4	330	Pg	5:09:21.97	-0.37
			Sg	09:32.34	1.12
PKSN	62.1	278	Pg	5:09:22.36	-0.08
			Sg	09:32.12	0.71
PKS6	88.3	254	P*	5:09:26.72	0.19
			S*	09:39.04	0.36
LTVH	112.2	56	Pn	5:09:29.31	-0.47
			Sn	09:45.22	0.75
PKS2	117.7	252	Pn	5:09:30.52	0.06
			Sn	09:46.51	0.83
PKS7	117.9	282	Pn	5:09:30.42	-0.07
			Sn	09:45.78	0.04
PKB3	121.6	249	Pn	5:09:30.84	-0.11
			Sn	09:46.09	-0.47
PSZ	135.4	334	Pn	5:09:31.74	-0.93
			Sn	09:49.09	-0.52
PKB1	143.7	268	Pn	5:09:33.24	-0.47
			Sn	09:53.54	2.08
BUD	145.2	300	Sn	5:09:51.57	-0.22
PKB5	150.3	260	Pn	5:09:34.28	-0.26
			Sn	09:54.78	1.84
PENC	150.6	316	Pn	5:09:34.17	-0.40
			Sn	09:53.44	0.45
BZS	152.5	151	Pn	5:09:35.43	0.63
			Sn	09:53.23	-0.18
DRGR	155.6	91	Pn	5:09:35.03	-0.16
			Sn	09:54.47	0.37
PKB4	162.5	257	Pn	5:09:35.63	-0.42
			Sn	09:55.61	-0.03
SURR	163.1	137	Pn	5:09:36.60	0.47
ABAH	169.3	15	Pn	5:09:37.98	1.08
MORH	169.7	247	Pn	5:09:36.46	-0.49
			Sn	09:57.26	0.03
PKSM	170.1	246	Pn	5:09:36.41	-0.59
PKSG	184.5	290	Pn	5:09:39.70	0.90
PKS9	185.0	262	Pn	5:09:38.58	-0.28
KECS	185.2	356	Pn	5:09:38.65	-0.24
TRPA	202.3	44	Pn	5:09:40.41	-0.61
PKST	206.4	284	Pn	5:09:43.48	1.95
TIH	212.2	272	Pn	5:09:42.64	0.39
KOVH	213.9	248	Pn	5:09:42.09	-0.37
STHS	291.6	8	Pn	5:09:52.96	0.81
SMOL	307.9	308	ePn	5:09:54.50	0.32*
			eSn	10:25.60	-2.30*
MODS	308.2	304	Pn	5:09:54.43	0.21*
RONA	345.4	286	Pn	5:09:59.02	0.16*
			Sn	10:35.39	-0.84*
WINA	375.2	292	Pn	5:10:02.94	0.37*
			Sn	10:42.23	-0.60*
CONA	383.7	289	Pn	5:10:03.61	-0.02*
			Sn	10:44.35	-0.38*
ARSA	394.4	277	Pn	5:10:05.60	0.64*
MORC	402.4	325	Pn	5:10:06.09	0.12*
CRES	416.7	255	Pn	5:10:08.36	0.61*
SOKA	431.3	268	Pn	5:10:09.62	0.04*
			Sn	10:54.17	-1.14*

Hypocenter Parameters

ABNA 443.5 298 Pn 5:10:11.28 0.19*
 Sn 10:57.38 -0.62*
 MOA 497.6 283 Pn 5:10:18.05 0.21*
 Sn 11:11.17 1.16*
 KBA 558.7 273 Pn 5:10:24.49 -0.96*
 Sn 11:22.32 -1.25*
 LESA 610.5 276 Pn 5:10:31.26 -0.65*
 Sn 11:35.63 0.56*
 ABTA 623.3 269 Pn 5:10:32.98 -0.53*

1310.

2023-09-08 time: 8:11:00.20 UTC ML= 1.6
 lat: 48.707N lon: 20.790E h= 0.0 km
 erh= 5.8km erz= 8.3km
 nr= 8 gap=179 rms=1.10
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	33.5	222	Pg	8:11:07.09			0.90
			Sg	11:10.61			-0.25
ABAH	56.5	144	Pg	8:11:11.16			0.87
			Sg	11:17.66			-0.51
LANS	108.7	297	Sg	8:11:33.15			-1.61
PSZ	110.0	217	Pg	8:11:20.79			0.94
			Sg	11:33.62			-1.55
TRPA	144.5	116	Sn	8:11:42.93			-1.86

1311.

2023-09-08 time: 8:32:35.01 UTC ML= 0.9
 lat: 46.183N lon: 18.297E h= 0.0 km
 erh= 1.6km erz= 5.0km
 nr= 11 gap=115 rms=0.54
 Locality: Zobákpuszta
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	18.5	235	PgU	8:32:38.21			-0.11
			Sg	32:40.97			0.07
PKSM	26.8	83	Pg	8:32:40.17			0.38
			Sg	32:43.24			-0.28
MORH	27.0	82	Pg	8:32:39.89			0.05
			Sg	32:43.32			-0.29
PKSV	33.0	186	Pg	8:32:41.23			0.33
			Sg	32:45.35			-0.14
PKS9	44.9	358	Sg	8:32:50.26			0.99
PKST	121.2	350	Sg	8:33:12.02			-1.52
PKSG	134.5	3	Sn	8:33:15.62			-1.76

1312.

2023-09-08 time: 8:47:52.51 UTC ML= 1.0
 lat: 46.178N lon: 18.293E h= 0.0 km
 erh= 2.0km erz= 345km
 nr= 7 gap=205 rms=0.24
 Locality: Zobákpuszta
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	18.0	236	Pg	8:47:55.40			-0.32
			Sg	47:58.30			0.08
PKSM	27.1	82	PgU	8:47:57.52			0.17
			Sg	48:00.65			-0.48
MORH	27.4	81	Pg	8:47:57.59			0.19
			Sg	48:01.35			0.13
PKSV	32.4	186	Sg	8:48:02.86			0.07

Földrengés paraméterek

1313.

2023-09-08 time: 8:52:57.62 UTC ML= 1.4
 lat: 48.708N lon: 20.692E h= 0.0 km
 erh= 7.7km erz= ***km
 nr= 6 gap=200 rms=1.02
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	29.3	211	Pg	8:53:03.93			1.07
			Sg	53:07.32			0.38
ABAH	61.1	139	Pg	8:53:09.14			0.60
			Sg	53:15.46			-1.59
LANS	102.3	299	Sg	8:53:29.17			-0.98
PSZ	105.9	214	Sg	8:53:29.94			-1.35

1314.

2023-09-08 time: 10:00:52.76 UTC ML= 1.5
 lat: 47.597N lon: 16.390E h= 0.0 km
 erh= 3.5km erz= 4.7km
 nr= 10 gap=194 rms=0.69
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	13.4	328	PgU	10:00:55.87			0.71
			Sg	00:57.05			0.03
SOP	15.8	53	Pg	10:00:56.02			0.43
			Sg	00:57.14			-0.66
CONA	54.1	313	Pg	10:01:02.58			0.16
			Sg	01:08.29			-1.67
MPLH	98.9	119	Sg	10:01:23.69			-0.52
MODS	108.8	37	Sg	10:01:27.03			-0.31
KRUC	162.8	0	Pn	10:01:20.71			0.61
			Sn	01:39.82			-1.61

1315.

2023-09-09 time: 3:48:34.41 UTC ML= 1.5
 lat: 45.769N lon: 17.866E h= 11.1 km
 erh= 3.1km erz= 2.7km
 nr= 17 gap=139 rms=0.58
 Locality: Zaláta
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	32.8	66	Pg	3:48:41.24			0.64
			Sg	48:46.00			0.57
KOVH	39.9	27	PgD	3:48:41.50			-0.30
			Sg	48:46.90			-0.66
PKSM	77.7	51	Pg	3:48:48.37			-0.05
			Sg	48:58.34			-1.01
MORH	78.1	51	Pg	3:48:47.90			-0.60
			Sg	48:58.76			-0.74
PKS9	96.3	19	Pg	3:48:52.02			0.29
			Sg	49:05.11			-0.13
PKB4	98.9	35	P*	3:48:52.75			0.58
			S*	49:06.76			0.73
BEHE	114.8	313	Pn	3:48:54.78			0.44
			Sn	49:09.18			-0.71
BLY	125.4	205	Sn	3:49:10.87			-1.37
KOGS	145.9	301	Pn	3:48:58.91			0.68
			Sn	49:16.44			-0.36

1316.

2023-09-09 time: 20:26:08.25 UTC ML= 0.1
 lat: 46.225N lon: 18.336E h= 3.0 km
 erh= 0.5km erz= 4.9km
 nr= 9 gap=164 rms=0.09
 Locality: Magyarereggy
 Comments:

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKSM	23.6	94	Pg	20:26:12.58	0.08
			Sg	26:15.75	-0.06
KOVH	23.7	230	Pg	20:26:12.46	-0.06
			Sg	26:15.98	0.12
MORH	23.8	92	Pg	20:26:12.62	0.09
			Sg	26:15.86	-0.02
PKB4	36.5	34	Sg	20:26:19.70	-0.20
PKSV	38.0	190	Pg	20:26:15.08	0.03
			Sg	26:20.19	-0.16

1317.

2023-09-10 time: 10:02:20.42 UTC ML= 0.3
 lat: 47.861N lon: 16.285E h= 17.1 km
 erh= 4.8km erz= 3.4km
 nr= 6 gap=174 rms=0.39
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.9	177	Pg	10:02:25.15	0.30
			Sg	02:27.64	-0.67
WINA	31.6	330	Pg	10:02:27.21	0.36
			Sg	02:31.49	-0.37
CONA	32.5	283	Sg	10:02:32.28	0.18
KRUC	133.8	4	Sn	10:02:58.29	-0.45

1318.

2023-09-10 time: 21:52:11.68 UTC ML= 0.0
 lat: 47.731N lon: 16.226E h= 15.1 km
 erh= 2.7km erz= 2.0km
 nr= 5 gap=118 rms=0.25
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	6.3	123	PgU	21:52:14.89	0.28
			Sg	52:16.42	-0.48
CONA	35.0	309	Sg	21:52:23.79	-0.01
ARSA	75.2	225	Sg	21:52:36.00	-0.06
KRUC	148.5	5	Sn	21:52:53.63	-0.09

1319.

2023-09-11 time: 7:50:05.07 UTC ML= 1.1
 lat: 48.082N lon: 20.726E h= 0.0 km
 erh= 4.3km erz= 912km
 nr= 6 gap=196 rms=0.55
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.0	58	Pg	7:50:13.44	0.34
			Sg	50:18.92	-0.45
KECS	48.0	338	Pg	7:50:14.32	0.67
			Sg	50:19.39	-0.94
PSZ	64.7	254	Pg	7:50:16.63	0.01
			Sg	50:24.89	-0.74

1320.

2023-09-11 time: 8:05:13.14 UTC ML= 1.6
 lat: 47.867N lon: 19.088E h= 0.0 km
 erh= 5.8km erz= ***km
 nr= 8 gap=187 rms=0.90
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.8	120	Pg	8:05:16.70	0.56
			Sg	05:17.72	-0.76

Hypocenter Parameters

PSZ	60.6	85	Pg	8:05:24.96	1.00
			Sg	05:31.57	-0.82
PKSG	74.4	225	Sg	8:05:36.93	0.13
PKST	104.2	230	Sg	8:05:45.07	-1.19
KECS	124.5	57	Pg	8:05:35.84	0.47
			Sg	05:50.63	-2.08

1321.

2023-09-11 time: 8:47:59.56 UTC ML= 1.5
 lat: 48.514N lon: 17.344E h= 0.0 km
 erh= 2.4km erz= 829km
 nr= 10 gap=108 rms=0.65
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.3	90	PgU	8:48:00.77	0.09
			Sg	48:01.44	-0.12
MODS	16.3	197	PgU	8:48:02.54	0.07
			Sg	48:05.42	0.68
JAVC	45.4	32	Pg	8:48:08.00	0.35
			Sg	48:12.76	-1.21
KRUC	92.6	311	Sg	8:48:27.94	-1.05
VRAC	104.1	328	Pg	8:48:19.02	0.88
RONA	119.5	221	Pg	8:48:20.76	-0.13
			Sg	48:36.02	-1.51

1322.

2023-09-11 time: 9:11:36.84 UTC ML= 1.6
 lat: 48.596N lon: 17.455E h= 0.0 km
 erh= 1.6km erz= 1.8km
 nr= 15 gap=163 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	9.4	192	Pg	9:11:38.10	-0.41
			Sg	11:40.21	0.39
MODS	28.0	208	Pg	9:11:42.01	0.17
			Sg	11:46.71	0.97
JAVC	33.3	29	Pg	9:11:42.57	-0.21
			Sg	11:48.52	1.11
KRUC	93.4	304	Sg	9:12:06.28	-0.26
VRAC	101.2	321	Pg	9:11:55.25	0.34
			Sg	12:09.65	0.64
MORC	131.4	3	Pn	9:11:59.86	-0.40
			Sn	12:15.59	-2.94*
RONA	131.8	221	Pn	9:12:00.41	0.11
			Sn	12:18.57	-0.04
CONA	139.7	238	Pn	9:12:00.56	-0.73
			Sn	12:19.50	-0.86

1323.

2023-09-11 time: 9:35:01.57 UTC ML= 1.8
 lat: 48.446N lon: 17.205E h= 0.0 km
 erh= 1.6km erz= 447km
 nr= 9 gap=173 rms=0.33
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	9.7	146	PgU	9:35:03.15	-0.15
			Sg	35:04.60	-0.04
SMOL	18.2	65	Pg	9:35:04.76	-0.07
			Sg	35:07.46	0.10
JAVC	57.4	37	Pg	9:35:12.31	0.49
			Sg	35:19.35	-0.46
KRUC	90.8	319	Pg	9:35:18.14	0.36
			Sg	35:29.50	-0.92
VRAC	105.9	335	Pg	9:35:20.34	-0.14

Hypocenter Parameters

1324.

 2023-09-11 time: 10:19:25.85 UTC ML= 1.3
 lat: 47.300N lon: 17.643E h= 0.0 km
 erh= 2.2km erz= 3.5km
 nr= 11 gap= 93 rms=1.22
 Locality: Homokbödöge
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	16.5	208	Pg	10:19:29.88			1.09
			Sg		19:31.40		0.32
EGYH	26.8	299	Sg	10:19:33.83			-0.55
PKST	30.0	99	Pg	10:19:32.42			1.21
			Sg		19:35.32		-0.06
CSKK	47.2	82	Pg	10:19:34.93			0.65
PKSG	57.4	80	Pg	10:19:36.73			0.62
			Sg		19:43.22		-0.89
MODS	122.4	347	Sg	10:20:02.63			-2.13
MORH	142.8	148	Sn	10:20:07.64			-2.43
PKSM	143.1	148	Sn	10:20:07.80			-2.32

1325.

 2023-09-11 time: 11:45:02.62 UTC ML= 1.6
 lat: 45.892N lon: 22.533E h= 0.0 km
 erh= 2.9km erz= 5.7km
 nr= 10 gap=121 rms=0.80
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	28.8	92	Pg	11:45:07.95			0.19
			Sg		45:12.02		0.25
SURR	35.2	244	Pg	11:45:09.99			1.08
			Sg		45:14.21		0.39
GZR	58.6	161	Pg	11:45:12.96			-0.13
			Sg		45:20.63		-0.62
BZS	77.6	247	Sg	11:45:24.86			-2.42
DRGR	100.9	8	Pg	11:45:20.94			0.30
			Sg		45:33.00		-1.70
VOIR	202.6	104	Sn	11:45:59.99			-0.11

1326.

 2023-09-11 time: 12:39:06.02 UTC ML= 1.0
 lat: 47.826N lon: 16.414E h= 0.0 km
 erh= 2.1km erz= 696km
 nr= 8 gap=121 rms=0.50
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.6	212	Pg	12:39:08.99			0.01
			Sg		39:11.95		0.66
SOP	19.2	146	Sg	12:39:12.18			0.06
CONA	42.9	285	Pg	12:39:14.00			0.33
			Sg		39:19.56		-0.08
MODS	88.6	47	Pg	12:39:22.04			0.20
			Sg		39:33.22		-0.96
ARSA	92.7	226	Sg	12:39:34.16			-1.32

1327.

 2023-09-11 time: 15:35:19.84 UTC ML= 1.5
 lat: 45.512N lon: 17.768E h= 17.2 km
 erh= 8.6km erz= 2.5km
 nr= 10 gap=174 rms=0.55
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	56.3	42	Pg	15:35:30.04			-0.31
			Sg		35:36.60		-1.95

Földrengés paraméterek

KOVH 69.0 22 P* 15:35:32.57 0.09
 S* 35:42.36 0.02
 BLY 96.5 208 P* 15:35:37.18 0.52
 S* 35:48.50 -1.28
 PKSM 103.2 41 Pn 15:35:37.98 0.44
 Sn 35:51.28 -0.07
 MORH 103.6 41 Pn 15:35:37.98 0.38
 Sn 35:51.13 -0.33

1328.

 2023-09-12 time: 3:46:06.82 UTC ML= 0.7
 lat: 47.844N lon: 16.325E h= 10.0 km
 erh= 0.4km erz= 0.4km
 nr= 6 gap=185 rms=0.35
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.2	188	Pg	3:46:10.41			0.18
			Sg		46:13.03		0.15
CONA	35.9	285	Pg	3:46:13.62			0.14
			Sg		46:18.59		-0.08
ARSA	89.5	222	Sg	3:46:33.73			-1.70
KRUC	135.5	2	Pn	3:46:29.36			-0.11

1329.

 2023-09-12 time: 5:39:03.89 UTC ML= 1.3
 lat: 47.857N lon: 16.034E h= 0.0 km
 erh= 2.7km erz= 5.0km
 nr= 10 gap= 92 rms=1.01
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.1	302	Pg	5:39:07.23			0.64
			Sg		39:09.70		1.00
RONA	26.3	132	Pg	5:39:09.00			0.41
			Sg		39:12.52		0.27
SOP	43.8	116	Sg	5:39:17.45			-0.35
ARSA	77.6	210	Sg	5:39:27.62			-0.94
MODS	108.9	58	Pg	5:39:24.65			1.31
			Sg		39:37.09		-1.43
KRUC	136.6	11	Pn	5:39:27.15			-0.81
			Sn		39:44.21		-2.52

1330.

 2023-09-12 time: 7:45:16.51 UTC ML= 1.6
 lat: 48.364N lon: 17.400E h= 0.0 km
 erh= 2.6km erz= 4.0km
 nr= 13 gap=208 rms=0.49
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	9.1	277	PgU	7:45:18.42			0.27
			Sg		45:19.27		-0.15
SMOL	16.8	7	Pg	7:45:19.82			0.30
			Sg		45:22.40		0.53
ZST	28.9	230	Pg	7:45:21.86			0.19
			Sg		45:25.45		-0.24
JAVC	58.6	20	Pg	7:45:27.30			0.32
			Sg		45:34.51		-0.63
KRUC	107.2	316	Pg	7:45:35.25			-0.41
RONA	110.6	228	Pg	7:45:37.11			0.85
CONA	124.3	247	Pg	7:45:38.05			-0.66
			Sg		45:53.90		-2.12
MORC	157.5	4	Pn	7:45:42.75			-0.44

Földrengés paraméterek

Hypocenter Parameters

1331.

2023-09-12 time: 7:57:02.64 UTC ML= 1.3
 lat: 47.024N lon: 18.059E h= 0.0 km
 erh= 2.4km erz= 896km
 nr= 12 gap=122 rms=0.74
 Locality: Balatonalmádi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	18.7	223	Pg	7:57:06.99	1.01
			Sg	57:08.83	0.24
PKST	26.2	356	Pg	7:57:08.22	0.90
			Sg	57:10.55	-0.42
CSKK	40.7	22	Sg	7:57:14.91	-0.66
MPLH	42.7	292	Sg	7:57:14.52	-1.69
PKSG	48.0	32	Sg	7:57:18.03	0.14
MORH	100.4	154	Pg	7:57:20.64	0.08
			Sg	57:33.86	-0.68
PKSM	100.7	154	Pg	7:57:20.81	0.19
			Sg	57:33.40	-1.24
KOVH	104.0	178	Sg	7:57:35.19	-0.52

1332.

2023-09-12 time: 8:22:39.81 UTC ML= 1.5
 lat: 48.617N lon: 21.358E h= 0.0 km
 erh= 4.0km erz= 6.5km
 nr= 9 gap=131 rms=0.86
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.7	194	Sg	8:22:51.76	0.28
KECS	66.1	257	Pg	8:22:51.13	-0.49
			Sg	23:00.57	-0.26
KOLS	75.9	62	Pg	8:22:54.26	0.90
			Sg	23:02.32	-1.61
STHS	89.4	355	Pg	8:22:56.18	0.41
			Sg	23:07.93	-0.28
LANS	150.8	293	Pn	8:23:06.36	0.71
			Sn	23:23.26	-2.55

1333.

2023-09-12 time: 8:58:21.24 UTC ML= 1.3
 lat: 48.668N lon: 19.937E h= 0.0 km
 erh= 3.6km erz= ***km
 nr= 9 gap=145 rms=0.86
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.5	117	Pg	8:58:30.18	0.83
			Sg	58:35.38	-0.31
LANS	63.7	327	Pg	8:58:33.28	0.67
			Sg	58:40.14	-1.34
PSZ	83.4	182	Pg	8:58:36.46	0.32
			Sg	58:46.49	-1.27
ABAH	104.8	113	Sg	8:58:54.22	-0.35
STHS	126.7	49	Pg	8:58:44.27	0.40
			Sg	58:59.17	-2.35

1334.

2023-09-12 time: 10:00:16.43 UTC ML= 1.3
 lat: 48.181N lon: 16.852E h= 0.0 km
 erh= 3.6km erz= 860km
 nr= 6 gap=162 rms=0.50
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	38.1	56	Pg	10:00:23.54	0.31

			Sg	00:27.86	-0.68
RONA	67.8	218	Pg	10:00:28.79	0.26
			Sg	00:37.33	-0.64
KRUC	103.5	341	Pg	10:00:35.37	0.45
			Sg	00:48.51	-0.83

1335.

2023-09-12 time: 10:09:15.84 UTC ML= 1.4
 lat: 48.867N lon: 19.893E h= 0.0 km
 erh= 4.0km erz= ***km
 nr= 8 gap=135 rms=0.86
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	44.3	315	Pg	10:09:23.94	0.19
			Sg	09:29.58	-0.34
KECS	61.1	134	Pg	10:09:28.24	1.49
			Sg	09:35.23	-0.03
PSZ	105.5	180	Sg	10:09:47.68	-1.71
STHS	115.9	58	Pg	10:09:36.61	0.06
			Sg	09:51.73	-0.97
ABAH	117.9	123	Sg	10:09:52.74	-0.59

1336.

2023-09-12 time: 15:04:57.60 UTC ML= 1.9
 lat: 48.766N lon: 22.350E h= 0.0 km
 erh= 7.3km erz= ***km
 nr= 8 gap=222 rms=1.09
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	19.4	343	PgU	15:05:01.57	0.51
			Sg	05:05.09	1.33
ABAH	97.2	237	Pg	15:05:16.18	1.22
			Sg	05:27.20	-1.30
KWP	99.7	15	Pg	15:05:16.00	0.60
			Sg	05:27.82	-1.46
STHS	108.4	312	Pg	15:05:16.18	-0.78
			Sg	05:30.15	-1.91

1337.

2023-09-12 time: 23:24:55.05 UTC ML= 2.2
 lat: 47.848N lon: 16.253E h= 8.7 km
 erh= 1.9km erz= 1.5km
 nr= 41 gap= 77 rms=1.00
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.8	169	PgD	23:24:58.54	0.12
			Sg	25:00.65	-0.41
SOP	29.3	129	PgU	23:25:00.56	0.05
			Sg	25:03.92	-0.85
CONA	30.6	287	Pg	23:25:01.14	0.42
			Sg	25:05.42	0.27
ZST	74.3	59	Pg	23:25:08.14	-0.26
			Sg	25:18.17	-0.65
ARSA	86.2	220	Pg	23:25:09.44	-1.07
			Sg	25:19.61	-2.96
EGYH	94.2	121	Pg	23:25:12.85	0.91
			Sg	25:25.27	0.15
MODS	96.1	53	Pg	23:25:11.97	-0.31
			Sg	25:24.79	-0.94
SMOL	114.6	50	Pn	23:25:14.87	-0.39
			Sn	25:29.82	-1.21
MPLH	122.8	128	Pn	23:25:15.73	-0.55
			Sn	25:31.32	-1.53
KRUC	135.4	4	Pn	23:25:17.66	-0.19
			Sn	25:33.96	-1.69
MOA	148.7	270	Pn	23:25:20.06	0.55

Hypocenter Parameters

JAVC	153.9	43	Pn	23:25:22.11	1.95
			Sn	25:41.83	2.07
SRO	154.4	91	Pn	23:25:20.28	0.06
			Sn	25:39.14	-0.71
KOGS	155.6	180	Pn	23:25:21.86	1.49
			Sn	25:38.67	-1.46
SOKA	159.5	215	Pn	23:25:21.73	0.87
			Sn	25:39.24	-1.75
PERS	159.9	213	Pn	23:25:22.10	1.20
			Sn	25:39.39	-1.68
CSKK	160.3	110	Sn	23:25:43.33	2.15
TIH	162.7	130	Sn	23:25:43.33	1.64
VRAC	164.3	9	Pn	23:25:21.59	0.13
			Sn	25:40.79	-1.28
GROS	164.4	200	Pn	23:25:22.61	1.14
			Sn	25:40.48	-1.59
PKSG	168.5	108	Pn	23:25:21.73	-0.26
RCF6	169.8	188	Pn	23:25:24.06	1.91
BIOA	196.7	265	Pn	23:25:25.97	0.47
KOVH	240.9	144	Pn	23:25:30.54	-0.47

1338.

2023-09-13 time: 0:44:51.28 UTC ML= 1.6
 lat: 45.602N lon: 16.047E h= 11.9 km
 erh= 1.8km erz= 1.2km
 nr= 24 gap=162 rms=0.48
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	25.6	351	Pg	0:44:56.29	-0.03
			Sg	45:00.01	-0.24
R971	26.4	354	PgD	0:44:56.33	-0.12
PTJ	33.9	348	Pg	0:44:57.43	-0.26
			Sg	45:02.71	0.02
GCIS	44.0	312	iPg	0:44:59.68	0.26
			iSg	45:05.38	-0.39
CREG	52.3	298	Pg	0:45:00.63	-0.22
			Sg	45:08.58	0.26
LEGS	68.6	304	iPg	0:45:04.42	0.71
			eSg	45:12.68	-0.73
DOBS	75.6	324	iPgC	0:45:05.38	0.43
RCF6	81.6	355	Sg	0:45:16.23	-1.26
KOGS	95.4	10	P*	0:45:09.05	0.63
			S*	45:20.94	-0.85
GROS	104.4	336	P*	0:45:10.09	0.30
			S*	45:22.99	-1.24
BEHE	111.8	30	Pn	0:45:11.13	0.40
			Sn	45:25.56	-0.34
BLY	130.3	137	Pn	0:45:12.73	-0.31
			Sn	45:29.04	-0.97
PERS	135.6	328	Sn	0:45:31.06	-0.12
SOKA	143.0	327	Sn	0:45:33.26	0.43
KOVH	168.4	71	Sn	0:45:39.18	0.72

1339.

2023-09-13 time: 7:38:28.44 UTC ML= 1.6
 lat: 48.509N lon: 17.490E h= 0.0 km
 erh= 1.6km erz= 2.5km
 nr= 14 gap=201 rms=0.41
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.5	277	PgU	7:38:28.97	-0.28
			Sg	38:30.15	0.27
MODS	21.8	226	Pg	7:38:32.52	0.20
			Sg	38:35.26	-0.10
JAVC	41.1	19	Pg	7:38:35.85	0.07
			Sg	38:40.65	-0.87
ZST	45.1	220	Pg	7:38:36.79	0.30
			Sg	38:42.04	-0.74
KRUC	101.2	307	Pg	7:38:47.05	0.54

Földrengés paraméterek

			Sg	39:00.12	-0.49
VRAC	110.5	324	Pg	7:38:48.42	0.25
RONA	126.5	225	Pg	7:38:51.38	0.35
CONA	137.1	242	Pn	7:38:52.26	-0.31
			Sn	39:10.25	-1.15

1340.

2023-09-13 time: 8:22:49.14 UTC ML= 1.8
 lat: 47.327N lon: 18.428E h= 0.0 km
 erh= 1.4km erz= 488km
 nr= 8 gap=113 rms=0.35
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.7	339	PgU	8:22:50.71	0.20
			Sg	22:51.00	-0.59
CSKK	13.3	288	Pg	8:22:52.04	0.54
			Sg	22:53.05	-0.30
MPLH	69.5	255	Sg	8:23:10.96	-0.26
MORH	124.7	172	Sg	8:23:28.58	-0.18
PKSM	125.1	173	Sg	8:23:28.86	-0.03
PSZ	128.4	59	Sg	8:23:29.80	-0.13

1341.

2023-09-13 time: 9:43:07.09 UTC ML= 1.5
 lat: 46.007N lon: 22.819E h= 0.0 km
 erh= 3.2km erz= 844km
 nr= 8 gap=160 rms=0.61
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	15.2	155	Pg	9:43:09.82	0.00
			Sg	43:11.70	-0.24
SURR	60.8	242	Pg	9:43:18.43	0.48
			Sg	43:25.86	-0.56
GZR	68.3	183	Pg	9:43:19.21	-0.08
			Sg	43:28.13	-0.68
DRGR	87.6	355	Pg	9:43:23.59	0.85
			Sg	43:33.22	-1.72

1342.

2023-09-14 time: 6:05:46.25 UTC ML= 1.9
 lat: 47.787N lon: 19.900E h= 0.0 km
 erh= 6.4km erz= 9.0km
 nr= 7 gap=188 rms=1.08
 Locality: Gyöngyös
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	14.6	358	PgU	6:05:49.59	0.74
			Sg	05:50.80	-0.08
PENC	46.3	270	Sg	6:06:01.79	0.81
ABAH	114.8	60	Pg	6:06:07.66	0.91
			Sg	06:21.24	-1.50
PKSG	121.7	249	Sg	6:06:23.24	-1.71
LANS	154.9	348	Sn	6:06:31.48	-1.67

1343.

2023-09-14 time: 7:55:04.90 UTC ML= 1.1
 lat: 47.981N lon: 16.098E h= 0.0 km
 erh= 2.1km erz= 565km
 nr= 6 gap=144 rms=0.33
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.6	252	Pg	7:55:08.07	-0.15
			Sg	55:10.98	0.17

Földrengés paraméterek

RONA 34.6 155 Pg 7:55:10.97 -0.11
 Sg 55:16.06 0.15
 KRUC 122.2 10 Pg 7:55:27.09 0.38
 Sg 55:42.59 -1.14

1344.

2023-09-14 time: 8:39:21.13 UTC ML= 1.6
 lat: 48.561N lon: 20.392E h= 0.0 km
 erh= 4.7km erz= ***km
 nr= 8 gap=107 rms=1.08
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	69.3	115	Pg	8:39:33.70			0.19
			Sg	39:41.99			-1.18
PSZ	80.4	207	Pg	8:39:36.13			0.64
			Sg	39:45.75			-0.94
LANS	94.3	314	Pg	8:39:38.24			0.27
			Sg	39:49.49			-1.62
NIE	95.6	357	Sg	8:39:49.66			-1.86
STHS	113.8	33	Pg	8:39:43.09			1.64

1345.

2023-09-14 time: 8:52:57.75 UTC ML= 2.5
 lat: 48.161N lon: 23.000E h= 13.1 km
 erh= 3.3km erz= 2.2km
 nr= 12 gap=178 rms=0.67
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	34.5	264	Pg	8:53:04.17			-0.17
			Sg	53:10.43			0.96
BMR	65.8	146	Pg	8:53:09.46			-0.27
			Sg	53:17.87			-1.21
KOLS	101.2	328	P*	8:53:16.09			0.42
			S*	53:28.66			-0.99
ABAH	131.6	277	Pn	8:53:18.91			-0.62
			Sn	53:35.83			-0.68
DRGR	153.8	188	Pn	8:53:22.83			0.54
			Sn	53:42.23			0.80
CJR	167.2	164	Pn	8:53:24.89			0.93
STHS	190.1	317	Sn	8:53:53.86			4.37*
PSZ	233.1	263	Pn	8:53:32.50			0.32

1346.

2023-09-14 time: 8:59:40.07 UTC ML= 1.1
 lat: 46.131N lon: 18.083E h= 0.0 km
 erh= 2.1km erz= 426km
 nr= 9 gap=211 rms=0.33
 Locality: Abaliget
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	4.9	165	Pg	8:59:40.94			-0.01
			Sg	59:42.03			0.40
PKSV	30.0	154	Pg	8:59:45.28			-0.14
			Sg	59:48.96			-0.64
PKSM	44.0	78	Pg	8:59:48.30			0.37
			Sg	59:53.58			-0.48
MORH	44.3	78	Pg	8:59:48.33			0.34
			Sg	59:53.89			-0.27
PKS9	52.9	17	Sg	8:59:56.67			-0.21

Hypocenter Parameters

1347.

2023-09-14 time: 9:14:57.26 UTC ML= 1.6
 lat: 48.974N lon: 16.042E h= 0.0 km
 erh= 4.5km erz= 4.7km
 nr= 10 gap=216 rms=0.73
 Locality: Czechia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KRUC	27.6	69	Pg	9:15:03.07			0.87
			Sg	15:07.05			1.00
VRAC	54.8	47	Pg	9:15:06.66			-0.39
			Sg	15:13.43			-1.25
MODS	112.9	126	Sg	9:15:32.97			-0.16
CONA	117.0	187	Pg	9:15:18.24			0.08
			Sg	15:33.23			-1.22
RONA	142.9	172	Pn	9:15:22.48			0.36
			Sn	15:40.95			-0.55
ARSA	195.5	191	Sn	9:15:56.63			3.47*

1348.

2023-09-14 time: 11:14:04.10 UTC ML= 1.0
 lat: 47.878N lon: 16.047E h= 0.0 km
 erh= 1.0km erz= 1.7km
 nr= 7 gap=126 rms=0.87
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	14.9	292	Pg	11:14:07.72			0.95
			Sg	14:09.20			0.35
RONA	27.3	137	Pg	11:14:09.52			0.55
			Sg	14:13.12			0.35
ARSA	80.1	209	Sg	11:14:28.50			-1.07
KRUC	134.1	11	Pn	11:14:27.28			-0.58
			Sn	14:44.42			-1.98

1349.

2023-09-14 time: 11:15:20.55 UTC ML= 1.6
 lat: 48.674N lon: 21.388E h= 0.0 km
 erh= 4.6km erz= ***km
 nr= 9 gap=122 rms=1.12
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	43.4	195	Pg	11:15:29.67			1.37
			Sg	15:35.46			1.11
KOLS	71.2	66	Pg	11:15:34.53			1.27
			Sg	15:43.39			0.22
STHS	83.3	353	Pg	11:15:35.39			-0.03
			Sg	15:46.97			-0.06
TRPA	104.5	125	Pg	11:15:37.83			-1.38
			Sg	15:51.66			-2.10
NIE	114.2	317	Pg	11:15:40.00			-0.94

1350.

2023-09-15 time: 5:29:51.89 UTC ML= 1.4
 lat: 46.774N lon: 22.849E h= 0.0 km
 erh= 3.7km erz= 3.2km
 nr= 6 gap=261 rms=0.63
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	10.7	281	Pg	5:29:53.57			-0.23
			Sg	29:55.68			0.38
SURR	126.4	206	Sg	5:30:30.74			-1.32
GZR	153.5	182	Pn	5:30:18.33			0.27
			Sn	30:38.36			-0.12

Hypocenter Parameters

BZS 160.0 216 Sn 5:30:41.25 1.33

1351.

2023-09-15 time: 12:11:17.94 UTC ML= 1.4
 lat: 45.521N lon: 17.988E h= 0.0 km
 erh= 2.8km erz= 280km
 nr= 8 gap=334 rms=0.20
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	45.8	27	Pg	12:11:26.51			0.40
			Sg	11:32.53			0.05
KOVH	63.7	8	Pg	12:11:29.09			-0.22
			Sg	11:38.24			0.06
PKSM	92.0	33	Pg	12:11:34.33			-0.04
			Sg	11:46.93			-0.26
MORH	92.5	33	Pg	12:11:34.40			-0.06
			Sg	11:47.47			0.12

1352.

2023-09-16 time: 20:32:56.84 UTC ML= 0.3
 lat: 47.481N lon: 18.418E h= 10.0 km
 erh= 0.6km erz= 0.5km
 nr= 5 gap=230 rms=0.31
 Locality: Várgesztes
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.2	192	Pg	20:32:59.74			0.35
			Sg	33:01.52			0.14
CSKK	17.7	222	Pg	20:33:00.39			-0.09
			Sg	33:02.66			-0.65
PBUD	44.8	92	Sg	20:33:11.29			-0.15

1353.

2023-09-18 time: 8:08:24.98 UTC ML= 1.7
 lat: 47.312N lon: 18.474E h= 0.0 km
 erh= 3.8km erz= ***km
 nr= 7 gap=116 rms=0.70
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.9	325	Pg	8:08:27.35			0.43
			Sg	08:27.64			-0.80
CSKK	17.1	289	Pg	8:08:28.63			0.60
			Sg	08:29.39			-1.03
PKSM	123.0	174	Sg	8:09:03.61			-0.46
PSZ	126.3	58	Pg	8:08:48.12			0.59
			Sg	09:03.93			-1.19

1354.

2023-09-18 time: 8:08:49.33 UTC ML= 1.8
 lat: 47.329N lon: 18.489E h= 0.0 km
 erh= 8.8km erz= ***km
 nr= 6 gap=224 rms=0.68
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.2	313	PgU	8:08:51.76			0.60
			Sg	08:52.19			-0.40
CSKK	17.7	283	Pg	8:08:52.80			0.31
			Sg	08:53.64			-1.32
PSZ	124.3	58	Pg	8:09:10.90			-0.63
			Sg	09:29.76			0.91

Földrengés paraméterek

1355.

2023-09-18 time: 8:10:21.29 UTC ML= 1.9
 lat: 48.512N lon: 17.473E h= 0.0 km
 erh= 1.8km erz= 3.7km
 nr= 10 gap=197 rms=0.43
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	3.3	273	PgU	8:10:21.65			-0.23
			Sg	10:22.24			-0.10
MODS	21.1	223	Pg	8:10:25.29			0.22
			Sg	10:28.57			0.56
JAVC	41.2	21	Pg	8:10:29.04			0.39
			Sg	10:33.66			-0.74
ZST	44.6	218	Pg	8:10:29.34			0.08
			Sg	10:34.85			-0.62
KRUC	100.1	308	Sg	8:10:53.54			0.45
CONA	136.2	242	Sn	8:11:02.90			-1.14

1356.

2023-09-18 time: 8:20:02.67 UTC ML= 1.8
 lat: 46.038N lon: 22.794E h= 0.0 km
 erh= 2.2km erz= 3.9km
 nr= 12 gap=113 rms=0.63
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	19.2	154	Pg	8:20:05.97			-0.12
			Sg	20:08.86			0.09
SURR	60.8	239	Pg	8:20:14.50			0.97
			Sg	20:20.99			-1.01
GZR	71.7	181	Pg	8:20:15.67			0.20
			Sg	20:25.22			-0.24
DRGR	84.0	356	Pg	8:20:18.33			0.67
			Sg	20:28.43			-0.93
CJR	97.2	39	Sg	8:20:32.97			-0.60
BZS	102.8	243	Sg	8:20:34.77			-0.58
VOIR	187.8	111	Pn	8:20:33.52			0.40
			Sn	20:55.82			-1.05

1357.

2023-09-18 time: 8:43:22.13 UTC ML= 1.4
 lat: 48.418N lon: 21.421E h= 0.0 km
 erh= 8.6km erz=13.1km
 nr= 8 gap=130 rms=0.76
 Locality: Háromhuta
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	19.1	225	Pg	8:43:25.68			0.13
			Sg	43:28.42			0.20
KOLS	84.9	48	Pg	8:43:38.75			1.45
			Sg	43:49.24			0.11
STZU	110.6	53	Pg	8:43:40.55			-1.34
			Sg	43:57.30			0.00
BRIU	118.8	94	Pg	8:43:42.98			-0.36
NIE	137.8	324	Pn	8:43:46.26			-0.08

1358.

2023-09-18 time: 8:49:16.94 UTC ML= 2.0
 lat: 45.611N lon: 17.365E h= 20.3 km
 erh= 1.7km erz= 2.6km
 nr= 21 gap=123 rms=0.47
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	75.6	66	Pg	8:49:29.92			-0.39

Földrengés paraméterek

Hypocenter Parameters

			Sg	49:39.85	-0.89
KOVH	77.9	47	Pg	8:49:30.46	-0.21
			Sg	49:40.67	-0.70
BLY	96.9	188	PnD	8:49:33.54	0.06
			Sn	49:45.88	-0.50
BEHE	105.8	334	Pn	8:49:34.96	0.37
			Sn	49:48.03	-0.32
PTJ	114.1	286	Pn	8:49:35.04	-0.58
			Sn	49:49.72	-0.47
PKSM	119.4	56	Pn	8:49:36.92	0.64
			Sn	49:51.20	-0.17
MORH	119.8	56	Pn	8:49:37.16	0.82
			Sn	49:51.15	-0.31
KOGS	126.9	317	Pn	8:49:38.08	0.86
			Sn	49:53.03	0.00
RCF6	135.3	306	Pn	8:49:38.61	0.34
			Sn	49:55.08	0.18
CRES	150.5	279	Pn	8:49:40.13	-0.03
			Sn	49:58.22	-0.05
GROS	172.4	303	Pn	8:49:43.00	0.11

1359.

2023-09-18 time: 9:50:54.50 UTC ML= 1.5
 lat: 46.868N lon: 22.852E h= 0.0 km
 erh= 6.5km erz= 4.6km
 nr= 7 gap=167 rms=0.99
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	13.7	232	Pg	9:50:57.46	0.50
			Sg	50:59.66	0.79
SURR	136.0	204	Sn	9:51:34.56	-2.64
GZR	164.1	182	Pn	9:51:22.83	0.83
			Sn	51:42.54	-0.90
BZS	168.7	214	Sn	9:51:43.64	-0.82
MEZ	189.6	15	Sn	9:51:49.04	-0.06

1360.

2023-09-18 time: 10:01:06.07 UTC ML= 1.7
 lat: 48.169N lon: 16.867E h= 0.0 km
 erh= 4.8km erz= 764km
 nr= 8 gap=163 rms=0.54
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.8	80	Pg	10:01:09.33	0.08
			Sg	01:11.53	-0.20
MODS	38.1	53	Pg	10:01:13.19	0.32
			Sg	01:17.47	-0.70
RONA	67.3	219	Pg	10:01:18.67	0.58
			Sg	01:26.71	-0.76
CONA	79.5	250	Pg	10:01:20.55	0.28
			Sg	01:29.92	-1.43

1361.

2023-09-19 time: 8:02:45.61 UTC ML= 1.2
 lat: 47.502N lon: 18.688E h= 0.0 km
 erh= 3.7km erz= 4.4km
 nr= 13 gap=102 rms=0.49
 Locality: Herceghalom
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	25.4	95	Sg	8:02:53.66	-0.01
PKSG	25.6	241	Pg	8:02:50.82	0.64
			Sg	02:53.54	-0.20
CSKK	35.8	244	Pg	8:02:52.14	0.14
			Sg	02:56.86	-0.12
PENC	54.9	54	Sg	8:03:03.52	0.46
PKST	56.3	241	Pg	8:02:55.96	0.30

			Sg	03:03.02	-0.48
MPLH	94.3	247	Sg	8:03:14.84	-0.76
PSZ	101.7	63	Sg	8:03:16.99	-0.93
MODS	143.2	313	Pn	8:03:10.83	0.34
			Sn	03:29.15	-0.75
PKSM	143.5	181	Sn	8:03:26.64	-3.34*

1362.

2023-09-19 time: 8:20:49.55 UTC ML= 1.8
 lat: 48.430N lon: 17.251E h= 0.0 km
 erh= 1.4km erz= 587km
 nr= 16 gap=108 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.6	163	PgU	8:20:50.96	0.24
			Sg	20:51.98	0.34
SMOL	16.1	55	Pg	8:20:52.45	0.03
			Sg	20:54.64	-0.03
ZST	28.3	203	Pg	8:20:54.18	-0.41
			Sg	20:57.89	-0.64
JAVC	56.9	33	Pg	8:20:59.65	-0.05
			Sg	21:06.06	-1.56
KRUC	94.3	318	Pg	8:21:06.89	0.50
			Sg	21:19.41	-0.11
RONA	108.0	221	Pg	8:21:09.45	0.62
			Sg	21:22.77	-1.10
VRAC	108.9	334	Pg	8:21:09.45	0.45
			Sg	21:23.79	-0.38
CONA	117.4	242	Pg	8:21:10.84	0.33
			Sg	21:25.74	-1.13

1363.

2023-09-19 time: 8:25:51.88 UTC ML= 1.3
 lat: 47.852N lon: 19.119E h= 0.0 km
 erh= 4.5km erz= 869km
 nr= 7 gap=212 rms=0.59
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.9	119	Pg	8:25:55.06	0.69
			Sg	25:56.23	-0.08
PBUD	43.7	191	Sg	8:26:05.07	-0.69
PSZ	58.5	83	Pg	8:26:02.33	0.01
			Sg	26:09.69	-0.78
PKST	104.9	231	Pg	8:26:11.14	0.53
			Sg	26:24.25	-0.98

1364.

2023-09-19 time: 8:53:57.38 UTC ML= 1.4
 lat: 47.378N lon: 16.266E h= 0.0 km
 erh= 3.4km erz= 3.2km
 nr= 11 gap=152 rms=0.82
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	35.8	4	Pg	8:54:04.44	0.66
			Sg	54:08.82	0.05
SOP	40.5	33	Pg	8:54:05.71	1.10
			Sg	54:09.68	-0.56
ARSA	57.9	256	Sg	8:54:15.16	-0.64
CONA	68.3	334	Sg	8:54:18.72	-0.38
MPLH	99.1	103	Sg	8:54:27.60	-1.28
MODS	134.1	34	Sn	8:54:37.56	-2.10
KRUC	187.5	3	Pn	8:54:28.31	0.52
			Sn	54:51.00	-0.51
VRAC	216.0	6	Sn	8:54:57.97	0.12

Hypocenter Parameters

Földrengés paraméterek

1365.

2023-09-19 time: 9:06:33.83 UTC ML= 1.5
 lat: 47.165N lon: 18.319E h= 0.0 km
 erh= 2.3km erz= 564km
 nr= 7 gap=141 rms=0.38
 Locality: Sárszentmihály
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	22.5	349	Pg	9:06:38.21			0.36
			Sg		06:40.34		-0.64
PKST	24.0	296	Pg	9:06:38.39			0.27
			Sg		06:40.86		-0.60
PKSG	25.8	12	Sg	9:06:41.90			-0.13
MPLH	59.1	271	Pg	9:06:44.71			0.32
PKB5	70.8	153	Pg	9:06:46.16			-0.32

1366.

2023-09-19 time: 9:20:06.41 UTC ML= 1.5
 lat: 47.861N lon: 19.107E h= 0.0 km
 erh= 5.8km erz= 866km
 nr= 7 gap=213 rms=0.58
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	15.2	121	Pg	9:20:09.86			0.73
			Sg		20:10.60		-0.65
PSZ	59.3	84	Pg	9:20:17.41			0.42
			Sg		20:24.18		-1.07
CSKK	84.3	229	Sg	9:20:33.22			0.02
PKST	104.8	230	Pg	9:20:25.12			0.00
			Sg		20:38.97		-0.75

1367.

2023-09-19 time: 11:49:43.89 UTC ML= 1.9
 lat: 46.878N lon: 22.850E h= 0.0 km
 erh= 6.8km erz= 3.2km
 nr= 7 gap=265 rms=0.29
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	14.3	228	Pg	11:49:46.37			-0.07
			Sg		49:48.56		0.13
GZR	165.1	182	Pn	11:50:11.49			-0.03
			Sn		50:31.72		-1.34
BZS	169.4	214	Sn	11:50:34.15			0.14
VOIR	233.5	133	Pn	11:50:20.45			0.41
			Sn		50:48.16		-0.08

1368.

2023-09-20 time: 6:59:25.79 UTC ML= 1.3
 lat: 47.623N lon: 16.302E h= 0.0 km
 erh= 7.3km erz= 7.7km
 nr= 7 gap=164 rms=1.05
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	8.6	357	PgU	6:59:28.48			1.16
			Sg		59:28.81		0.29
SOP	20.4	71	Pg	6:59:29.77			0.33
ARSA	71.9	235	Sg	6:59:47.26			-1.37
MODS	110.8	41	Sg	6:59:59.38			-1.63
KRUC	160.2	2	Pn	6:59:53.41			0.61
			Sn		7:00:12.07		-1.80

1369.

2023-09-20 time: 8:40:16.86 UTC ML= 1.5
 lat: 47.341N lon: 18.465E h= 0.0 km
 erh= 3.1km erz= ***km
 nr= 11 gap=115 rms=0.85
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.0	315	Pg	8:40:18.61			0.33
			Sg		40:19.02		-0.38
CSKK	15.7	279	Pg	8:40:20.26			0.60
			Sg		40:21.12		-0.72
PKST	33.9	254	Pg	8:40:23.47			0.57
			Sg		40:26.92		-0.70
MPLH	72.6	255	Sg	8:40:38.52			-1.42
PSZ	125.1	59	Sg	8:40:55.13			-1.50
MORH	125.8	174	Sg	8:40:56.49			-0.36
PKSM	126.2	174	Pg	8:40:40.83			1.43
			Sg		40:56.20		-0.79

1370.

2023-09-20 time: 9:11:59.58 UTC ML= 1.2
 lat: 46.122N lon: 18.078E h= 0.0 km
 erh= 1.9km erz= 223km
 nr= 6 gap=281 rms=0.14
 Locality: Abaliget
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	4.1	156	Pg	9:12:00.21			-0.11
			Sg		12:01.03		0.14
PKSM	44.6	77	Pg	9:12:07.73			0.18
			Sg		12:13.56		-0.21
MORH	45.0	77	Pg	9:12:07.65			0.04
			Sg		12:13.71		-0.16

1371.

2023-09-20 time: 9:41:11.63 UTC ML= 1.0
 lat: 47.196N lon: 18.306E h= 0.0 km
 erh= 1.6km erz= 467km
 nr= 7 gap=150 rms=0.31
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.9	350	Pg	9:41:15.44			0.44
			Sg		41:17.19		-0.44
PKST	21.7	289	Pg	9:41:15.50			0.00
			Sg		41:18.18		-0.34
PKSG	22.7	16	Sg	9:41:18.73			-0.11
MPLH	58.1	267	Sg	9:41:30.39			0.29
PKSM	112.4	167	Sg	9:41:47.08			-0.27

1372.

2023-09-20 time: 12:16:25.24 UTC ML= 1.7
 lat: 47.309N lon: 18.457E h= 0.0 km
 erh= 3.4km erz= 779km
 nr= 7 gap=202 rms=0.52
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.4	331	Pg	12:16:27.52			0.41
			Sg		16:27.72		-0.84
CSKK	16.0	292	Pg	12:16:28.69			0.59
			Sg		16:29.57		-0.76
PKST	32.4	260	Sg	12:16:35.43			-0.12
MORH	122.4	173	Sg	12:17:03.76			-0.39
PKSM	122.8	173	Sg	12:17:04.23			-0.05

Földrengés paraméterek

Hypocenter Parameters

1373.

2023-09-20 time: 19:31:04.44 UTC ML= 1.6
 lat: 45.889N lon: 16.012E h= 10.0 km
 erh= 2.0km erz= 2.0km
 nr= 12 gap=165 rms=0.41
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.4	286	Pg	19:31:06.45	0.06
			Sg	31:07.77	-0.14
R971	5.7	181	PgU	19:31:06.20	-0.29
			Sg	31:07.53	-0.56
ZAG	6.8	192	Pg	19:31:06.71	0.11
			Sg	31:08.28	0.00
CRES	43.7	261	Pg	19:31:13.05	0.61
			Sg	31:18.88	0.19
RCF6	49.6	355	Sg	19:31:21.11	0.60
KOGS	64.8	16	Sg	19:31:25.27	-0.02
GROS	74.8	328	Sg	19:31:27.81	-0.62
PERS	108.0	320	Sn	19:31:37.09	-1.56

1374.

2023-09-20 time: 23:16:09.81 UTC ML= 1.4
 lat: 46.413N lon: 16.044E h= 16.4 km
 erh= 3.4km erz= 2.2km
 nr= 10 gap=147 rms=0.64
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr mn sec	res
RCF6	11.0	216	Pg	23:16:13.31	-0.02
			Sg	16:14.97	-1.10
KOGS	16.3	76	Pg	23:16:14.45	0.51
			Sg	16:16.83	-0.33
GROS	42.0	277	Pg	23:16:18.32	0.46
			Sg	16:23.72	-0.42
BEHE	56.6	84	Sg	23:16:27.55	-0.98
PERS	75.3	289	S*	23:16:33.71	-0.44
CRES	79.5	215	P*	23:16:25.09	0.98
			S*	16:34.60	-0.67

1375.

2023-09-21 time: 7:23:04.71 UTC ML= 1.4
 lat: 47.601N lon: 16.360E h= 0.0 km
 erh= 9.6km erz= ***km
 nr= 6 gap=200 rms=1.11
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	12.0	337	PgU	7:23:07.87	1.02
			Sg	23:09.24	0.72
CONA	52.1	314	Pg	7:23:14.66	0.64
			Sg	23:20.01	-1.28
ARSA	74.2	238	Sg	7:23:27.24	-1.04
MODS	109.9	39	Sg	7:23:37.61	-2.04

1376.

2023-09-21 time: 7:46:44.48 UTC ML= 1.6
 lat: 48.625N lon: 21.273E h= 0.0 km
 erh= 3.4km erz= ***km
 nr= 9 gap=119 rms=0.81
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.7	184	Pg	7:46:50.55	-0.48
			Sg	46:56.50	0.36

KECS	60.2	255	Pg	7:46:55.45	0.22
			Sg	47:02.89	-0.73
KOLS	81.1	65	Pg	7:47:00.26	1.30
			Sg	47:08.40	-1.86
STHS	88.0	359	Pg	7:47:00.54	0.34
			Sg	47:11.10	-1.36
NIE	112.8	322	Pg	7:47:04.84	0.22

1377.

2023-09-21 time: 8:54:57.85 UTC ML= 1.5
 lat: 48.547N lon: 20.800E h= 0.0 km
 erh= 4.1km erz= 5.9km
 nr= 9 gap=175 rms=0.78
 Locality: Bódvalenke
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.3	253	Pg	8:55:02.15	-0.04
			Sg	55:05.59	0.02
ABAH	42.9	131	Pg	8:55:06.38	0.87
			Sg	55:11.60	0.12
PSZ	97.0	224	Pg	8:55:15.85	0.68
			Sg	55:26.88	-1.80
KOLS	116.6	68	Sg	8:55:33.93	-0.98
HOLU	117.0	91	Pg	8:55:18.83	0.08
TRPA	137.0	110	Sn	8:55:39.18	-1.60

1378.

2023-09-21 time: 10:55:38.95 UTC ML= 1.4
 lat: 47.969N lon: 20.093E h= 0.0 km
 erh= 4.4km erz= 4.2km
 nr= 7 gap=176 rms=0.79
 Locality: Mátraderecske
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	15.8	249	Pg	10:55:42.13	0.35
			Sg	55:44.89	0.90
PENC	63.8	252	Sg	10:55:59.19	-0.05
KECS	64.2	27	Pg	10:55:50.97	0.55
			Sg	55:58.87	-0.49
ABAH	92.8	67	Sg	10:56:07.64	-0.81
PKSG	143.0	243	Sn	10:56:21.10	-2.11

1379.

2023-09-21 time: 11:48:15.21 UTC ML= 1.4
 lat: 47.888N lon: 16.079E h= 0.0 km
 erh= 1.0km erz= 1.6km
 nr= 7 gap=143 rms=0.55
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.8	285	Pg	11:48:18.41	0.20
			Sg	48:20.51	-0.05
RONA	26.5	142	Pg	11:48:19.94	-0.01
			Sg	48:23.58	-0.06
MODS	104.3	59	Sg	11:48:49.72	1.36
KRUC	132.6	10	Pn	11:48:38.51	-0.27
			Sn	48:55.64	-1.52

1380.

2023-09-22 time: 7:16:18.01 UTC ML= 1.7
 lat: 47.901N lon: 20.165E h= 0.0 km
 erh= 4.7km erz= 4.6km
 nr= 7 gap=186 rms=0.49
 Locality: Tarnaszentmária
 Comments: probably explosion

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PSZ	20.3	275	Pg	7:16:22.07	0.44
			Sg	16:24.34	-0.11
PENC	67.2	259	Pg	7:16:30.32	0.31
			Sg	16:38.16	-1.21
KECS	69.0	20	Sg	7:16:40.04	0.10
ABAH	91.3	61	Sg	7:16:46.39	-0.64
PKSG	144.8	247	Sn	7:17:02.63	-0.04

1381.

2023-09-22 time: 7:33:10.74 UTC ML= 2.0
 lat: 46.059N lon: 22.829E h= 0.0 km
 erh= 3.1km erz= 4.2km
 nr= 13 gap=118 rms=0.87
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.3	164	PgU	7:33:14.58	0.21
			Sg	33:17.08	-0.12
SURR	64.3	238	Pg	7:33:23.09	0.86
			Sg	33:30.21	-0.98
GZR	74.1	183	Pg	7:33:23.99	0.02
			Sg	33:33.26	-1.02
DRGR	82.0	354	Pg	7:33:26.10	0.72
			Sg	33:35.32	-1.48
BZS	106.3	242	Pg	7:33:30.54	0.82
			Sg	33:42.28	-2.24
DJES	160.2	189	Sn	7:33:57.76	-1.06
VOIR	186.1	112	Pn	7:33:41.71	0.73
			Sn	34:03.63	-0.93

1382.

2023-09-22 time: 7:53:36.03 UTC ML= 1.8
 lat: 47.674N lon: 18.520E h= 0.0 km
 erh= 2.3km erz= 3.7km
 nr= 15 gap=120 rms=1.15
 Locality: Héreg
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	21.9	315	Pg	7:53:41.04	1.10
			Sg	53:43.31	0.32
PKSG	32.9	197	Pg	7:53:43.47	1.57
			Sg	53:47.69	1.21
BUD	43.4	119	Sg	7:53:49.93	0.10
PENC	58.6	77	Pg	7:53:47.37	0.89
			Sg	53:54.45	-0.19
PKST	58.9	218	Sg	7:53:55.13	0.36
PSZ	106.5	75	Sg	7:54:08.34	-1.53
MODS	121.0	310	Pg	7:53:57.67	0.03
			Sg	54:11.79	-2.70
MORH	162.4	177	Pn	7:54:02.98	-0.33
			Sn	54:22.43	-2.17
PKSM	162.8	177	Pn	7:54:02.90	-0.47
			Sn	54:22.35	-2.34

1383.

2023-09-22 time: 8:03:58.38 UTC ML= 2.0
 lat: 48.241N lon: 18.815E h= 0.0 km
 erh= 2.4km erz= 4.5km
 nr= 21 gap= 54 rms=1.17
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	61.0	145	Sg	8:04:17.26	-0.50
BUD	85.6	170	Sg	8:04:26.18	0.59
PSZ	88.0	114	Pg	8:04:14.44	0.34
			Sg	04:25.71	-0.65
PKSG	99.6	199	Pg	8:04:18.20	2.03
			Sg	04:29.00	-1.04

Földrengés paraméterek

SMOL	107.1	286	Sg	8:04:32.19	-0.24
JAVC	109.0	309	Pg	8:04:18.20	0.37
			Sg	04:32.21	-0.80
LANS	112.0	25	Pg	8:04:19.12	0.74
			Sg	04:31.95	-2.03
MODS	115.0	277	Pg	8:04:19.82	0.90
			Sg	04:33.59	-1.36
PKST	123.9	208	Pg	8:04:20.13	-0.37
			Sg	04:35.55	-2.20
KECS	126.7	78	Pg	8:04:21.72	0.72
			Sg	04:36.98	-1.66
EGYH	144.0	230	Sn	8:04:42.38	-0.47
MPLH	152.8	219	Sn	8:04:43.95	-0.85
MORC	194.6	331	Pn	8:04:32.73	3.06
			Sn	04:51.83	-2.25

1384.

2023-09-22 time: 8:13:38.39 UTC ML= 1.5
 lat: 48.572N lon: 20.752E h= 0.0 km
 erh= 2.3km erz= 7.5km
 nr= 10 gap= 98 rms=0.76
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.0	243	Pg	8:13:42.49	0.17
			Sg	13:45.77	0.38
ABAH	47.3	130	Pg	8:13:46.91	0.07
			Sg	13:53.52	0.08
PSZ	96.7	221	Pg	8:13:56.10	0.45
			Sg	14:07.80	-1.31
NIE	99.5	341	Sg	8:14:09.15	-0.87
STHS	100.6	21	Pg	8:13:57.36	1.01
			Sg	14:09.45	-0.91
TRPA	141.3	110	Sn	8:14:19.95	-2.31

1385.

2023-09-22 time: 9:48:20.15 UTC ML= 1.8
 lat: 46.934N lon: 22.869E h= 6.0 km
 erh=14.6km erz= 4.6km
 nr= 7 gap=321 rms=0.85
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	19.9	217	Pg	9:48:24.28	0.43
			Sg	48:25.88	-0.86
DEV	116.8	179	Sn	9:48:55.54	-1.69
SURR	143.1	204	Sn	9:49:03.84	0.77
GZR	171.4	182	Pn	9:48:47.37	-0.42
			Sn	49:10.53	1.18
BZS	175.4	213	Sn	9:49:11.00	0.77

1386.

2023-09-22 time: 10:09:14.66 UTC ML= 1.5
 lat: 46.146N lon: 21.588E h= 0.0 km
 erh= 5.9km erz= ***km
 nr= 8 gap=170 rms=1.07
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BZS	58.9	178	PgU	10:09:25.95	0.77
			Sg	09:32.68	-0.71
SURR	60.3	136	Pg	10:09:26.89	1.46
			Sg	09:33.74	-0.08
BANR	91.9	203	Sg	10:09:42.93	-0.94
R1E1	105.5	13	Sg	10:09:47.77	-0.44
DRGR	112.2	50	Sg	10:09:49.66	-0.67
GZR	124.7	132	Sg	10:09:51.93	-2.38

Földrengés paraméterek

Hypocenter Parameters

1387.

2023-09-23 time: 1:54:44.21 UTC ML= 1.5
 lat: 46.103N lon: 21.587E h= 10.0 km
 erh= 4.9km erz= 4.1km
 nr= 9 gap=205 rms=0.69
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	54.1	178	Pg	1:54:54.05	0.01
			Sg	55:00.78	-0.92
SURR	57.0	133	Pg	1:54:54.99	0.45
			Sg	55:02.28	-0.31
BANR	87.5	204	Sg	1:55:11.71	-0.48
DRGR	115.4	48	Pn	1:55:04.69	0.34
			Sn	55:18.00	-2.07
GZR	121.6	130	Pn	1:55:06.10	0.97
			Sn	55:20.81	-0.64

1388.

2023-09-23 time: 9:53:00.42 UTC ML= 2.0
 lat: 48.514N lon: 22.787E h= 0.0 km
 erh= 2.7km erz= 3.9km
 nr= 20 gap= 93 rms=1.24
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MUKU	10.0	228	Sg	9:53:05.37	1.79
BRIU	26.1	139	Pg	9:53:06.69	1.61
HOLU	29.8	273	Sg	9:53:08.65	-1.24
UZH	38.7	290	Sg	9:53:13.51	0.79
TRPA	46.5	203	Sg	9:53:13.90	-1.29
MEZ	53.7	90	Pg	9:53:10.64	0.63
			Sg	53:17.05	-0.45
KOLS	60.0	321	Sg	9:53:18.36	-1.14
NSLU	60.8	125	Pg	9:53:11.76	0.48
BMR	107.5	151	Pg	9:53:20.06	0.45
			Sg	53:33.12	-1.45
RAKU	115.8	117	Sg	9:53:33.98	-3.25
ABAH	117.1	258	Sg	9:53:36.83	-0.82
KWP	124.4	357	Sg	9:53:38.13	-1.83
LTVH	141.9	208	Sn	9:53:43.07	-1.37
STHS	151.2	312	Pn	9:53:28.01	1.71
			Sn	53:45.13	-1.36
KECS	170.1	269	Sn	9:53:50.26	-0.44
DRGR	191.6	182	Sn	9:53:55.71	0.25
NIE	207.2	299	Sn	9:54:00.04	1.11

1389.

2023-09-25 time: 6:52:24.61 UTC ML= 1.3
 lat: 48.487N lon: 17.540E h= 0.0 km
 erh= 1.1km erz= 1.1km
 nr= 9 gap=224 rms=1.13
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	8.8	290	Pg	6:52:26.16	-0.02
			Sg	52:27.18	-0.22
MODS	23.2	237	Pg	6:52:29.84	1.09
			Sg	52:32.50	0.52
JAVC	42.5	13	Pg	6:52:33.05	0.85
			Sg	52:38.64	0.52
KRUC	105.7	307	Sg	6:52:57.37	-0.84
CONA	139.4	244	Sn	6:53:05.86	-2.21
MORC	143.4	0	Sn	6:53:06.03	-2.94

1390.

2023-09-25 time: 8:31:25.39 UTC ML= 1.1
 lat: 45.780N lon: 18.407E h= 0.0 km
 erh= 1.0km erz= 1.7km
 nr= 9 gap=199 rms=0.79
 Locality: Kásád
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	17.0	315	Pg	8:31:29.26	0.84
			Sg	31:30.17	-0.62
KOVH	41.7	325	PgU	8:31:33.45	0.62
			Sg	31:38.07	-0.57
PKSM	51.3	21	PgU	8:31:34.91	0.37
			Sg	31:40.60	-1.08
MORH	51.8	21	PgU	8:31:34.95	0.32
			Sg	31:40.99	-0.85
BLY	149.5	220	Sn	8:32:08.94	-2.16

1391.

2023-09-25 time: 8:33:45.90 UTC ML= 1.5
 lat: 48.540N lon: 20.784E h= 0.0 km
 erh= 3.2km erz= 6.3km
 nr= 13 gap= 95 rms=0.96
 Locality: Bódvalenke
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	254	Pg	8:33:50.31	0.31
			Sg	33:53.13	-0.06
ABAH	43.3	129	Pg	8:33:54.28	0.65
			Sg	33:59.21	-0.45
PSZ	95.6	224	Pg	8:34:03.49	0.51
			Sg	34:14.92	-1.38
STHS	103.2	19	Pg	8:34:04.68	0.35
NIE	103.7	341	Pg	8:34:05.60	1.19
LANS	118.1	305	Pg	8:34:05.70	-1.29
			Sg	34:21.51	-1.93
HOLU	118.2	91	Pg	8:34:06.67	-0.34
STZU	145.2	69	Pn	8:34:12.14	1.10
			Sn	34:28.42	-2.22

1392.

2023-09-25 time: 8:36:11.18 UTC ML= 1.0
 lat: 45.874N lon: 18.420E h= 0.0 km
 erh= 2.9km erz= 448km
 nr= 8 gap=253 rms=0.32
 Locality: Villánykövesd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	13.1	277	Pg	8:36:13.15	-0.37
			Sg	36:15.34	-0.01
KOVH	34.4	314	Pg	8:36:17.32	0.00
			Sg	36:22.31	0.19
PKSM	41.3	24	PgU	8:36:18.86	0.31
			Sg	36:23.97	-0.33
MORH	41.8	25	PgU	8:36:19.04	0.40
			Sg	36:23.87	-0.59

1393.

2023-09-25 time: 12:32:09.35 UTC ML= 1.7
 lat: 45.952N lon: 22.688E h= 0.0 km
 erh= 2.9km erz= 6.7km
 nr= 12 gap=115 rms=0.86
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.3	115	Pg	12:32:12.96	0.34

Hypocenter Parameters

Földrengés paraméterek

Sg 32:14.38 -0.80
 SURR 49.0 243 Pg 12:32:18.88 0.78
 Sg 32:25.14 0.21
 GZR 62.5 174 Pg 12:32:20.92 0.41
 Sg 32:27.91 -1.30
 BZS 91.3 246 Pg 12:32:25.43 -0.23
 Sg 32:37.30 -1.08
 DRGR 93.3 1 Pg 12:32:26.40 0.38
 Sg 32:37.30 -1.72
 VOIR 192.6 107 Pn 12:32:42.35 1.95
 Sn 33:03.31 -1.31

1394.

2023-09-26 time: 1:31:55.83 UTC ML= 2.0
 lat: 46.826N lon: 20.719E h= 9.7 km
 erh= 2.5km erz= 2.0km
 nr= 28 gap= 97 rms=0.95
 Locality: Örménykút
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH 62.8 327			Pg	1:32:07.06	-0.13
			Sg	32:15.80	-0.24
PKSN 65.5 277			Pg	1:32:07.72	0.07
			Sg	32:16.93	0.06
PKS6 91.8 254			Pg	1:32:12.10	-0.23
			Sg	32:25.09	-0.10
LTVH 109.0 55			Pn	1:32:14.88	-0.34
			Sn	32:30.22	-0.13
PKS2 121.1 252			Sn	1:32:32.69	-0.34
PKS7 121.2 282			Sn	1:32:31.73	-1.31
PKB3 125.1 249			Pn	1:32:17.11	-0.11
			Sn	32:32.69	-1.21
PSZ 136.4 333			Pn	1:32:18.11	-0.53
			Sn	32:34.02	-2.41
BZS 151.3 153			Pn	1:32:20.85	0.36
			Sn	32:38.87	-0.84
PENC 152.7 315			Sn	1:32:40.32	0.29
PKB4 166.0 257			Sn	1:32:44.64	1.64
ABAH 168.0 13			Pn	1:32:25.07	2.50
			Sn	32:44.64	1.21
MORH 173.1 247			Pn	1:32:23.43	0.22
PKSM 173.5 247			Pn	1:32:23.35	0.09
			Sn	32:47.14	2.49
PKSG 187.6 290			Sn	1:32:49.75	1.97
PKS9 188.5 262			Sn	1:32:51.85	3.86*
CSKK 196.0 288			Pn	1:32:24.78	-1.29
			Sn	32:51.94	2.30
VYHS 233.2 323			eSn	1:32:57.20	-0.70

1395.

2023-09-26 time: 8:05:23.34 UTC ML= 1.3
 lat: 47.410N lon: 18.719E h= 0.0 km
 erh= 6.3km erz= 6.6km
 nr= 13 gap=152 rms=0.46
 Locality: Pusztazámor
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD 24.4 70			Sg	8:05:31.16	0.07
PKSG 24.9 265			Pg	8:05:27.89	0.11
			Sg	05:31.45	0.20
CSKK 35.0 261			Pg	8:05:29.72	0.13
			Sg	05:33.80	-0.67
PKST 54.4 252			Pg	8:05:33.52	0.46
			Sg	05:40.73	0.09
MPLH 93.2 253			Sg	8:05:52.07	-0.88
PSZ 104.8 57			Pg	8:05:42.45	0.40
			Sg	05:55.75	-0.90
MORH 132.9 182			Sn	8:06:03.49	-1.86
PKSM 133.3 183			Sn	8:06:05.61	0.16
KOVH 154.4 198			Sn	8:06:10.07	-0.05

1396.

2023-09-26 time: 9:03:28.30 UTC ML= 1.0
 lat: 47.234N lon: 18.245E h= 0.0 km
 erh= 2.1km erz= 610km
 nr= 9 gap=133 rms=0.48
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK 14.4 5			Pg	9:03:30.87	0.00
			Sg	03:32.17	-0.70
PKST 16.2 280			Pg	9:03:31.70	0.51
			Sg	03:33.00	-0.44
PKSG 20.7 32			Pg	9:03:32.33	0.33
			Sg	03:34.77	-0.11
MPLH 53.9 262			Pg	9:03:38.30	0.37
PKSM 117.6 165			Pg	9:03:48.89	-0.41
			Sg	04:02.89	-2.80

1397.

2023-09-26 time: 9:42:01.46 UTC ML= 1.5
 lat: 47.327N lon: 18.451E h= 0.0 km
 erh= 1.6km erz= 3.5km
 nr= 11 gap=114 rms=0.48
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG 8.5 327			Pg	9:42:03.14	0.16
			Sg	42:03.61	-0.55
CSKK 14.9 285			Pg	9:42:04.28	0.15
			Sg	42:05.81	-0.40
PKST 32.4 256			Pg	9:42:07.78	0.52
			Sg	42:10.73	-1.04
MORH 124.4 173			Sg	9:42:41.02	0.00
PKSM 124.9 173			Sg	9:42:40.55	-0.60
PSZ 126.8 59			Pg	9:42:24.58	0.47
			Sg	42:41.10	-0.68
KOVH 140.3 191			Sn	9:42:45.58	0.45

1398.

2023-09-26 time: 10:00:00.46 UTC ML= 1.6
 lat: 48.144N lon: 16.931E h= 0.0 km
 erh= 4.4km erz= ***km
 nr= 8 gap=179 rms=0.76
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS 36.3 45			Pg	10:00:06.83	-0.10
			Sg	00:11.31	-0.67
RONA 68.5 224			Pg	10:00:12.70	0.02
			Sg	00:20.99	-1.23
CONA 83.3 253			Pg	10:00:16.85	1.52
			Sg	00:26.08	-0.84
KRUC 109.5 339			Pg	10:00:20.31	0.30
			Sg	00:34.94	-0.32

1399.

2023-09-26 time: 10:38:24.92 UTC ML= 2.0
 lat: 48.423N lon: 17.245E h= 0.0 km
 erh= 1.9km erz= 2.5km
 nr= 28 gap= 90 rms=0.97
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS 6.0 157			Pg	10:38:26.55	0.56
			Sg	38:28.04	1.21
SMOL 16.9 53			PgU	10:38:28.19	0.25

Földrengés paraméterek

Hypocenter Parameters

		Sg	38:30.66	0.37	
JAVC	57.7	33	Pg	10:38:36.26	1.03
		Sg	38:42.20	-1.07	
KRUC	94.6	319	Pg	10:38:42.05	0.24
		Sg	38:53.67	-1.32	
SOP	96.9	212	Pg	10:38:43.46	1.24
		Sg	38:55.55	-0.17	
RONA	107.1	221	Pg	10:38:44.15	0.10
		Sg	38:57.89	-1.08	
VRAC	109.4	334	Pg	10:38:44.71	0.25
		Sg	38:58.48	-1.21	
EGYH	112.1	177	Sg	10:38:59.58	-0.96
CONA	116.7	242	Pg	10:38:45.31	-0.45
		Sg	39:01.08	-0.93	
CSKK	140.2	147	Sn	10:39:06.82	-1.74
MPLH	141.1	171	Sn	10:39:06.74	-2.01
PKST	142.3	155	Pn	10:38:50.34	0.64
		Sn	39:06.79	-2.23	
PKSG	143.2	143	Pn	10:38:50.15	0.35
		Sn	39:07.60	-1.61	
MORC	152.1	8	Pn	10:38:51.12	0.21
		Sn	39:08.81	-2.38	
ARSA	183.4	225	Pn	10:38:55.95	1.13
		Sn	39:19.18	1.04	
KRLC	186.8	350	Sn	10:39:21.31	2.41

1400.

2023-09-27 time: 7:22:44.94 UTC ML= 1.9
 lat: 48.442N lon: 17.263E h= 0.0 km
 erh= 1.6km erz= 2.7km
 nr= 11 gap=145 rms=0.43
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	7.7	172	PgU	7:22:46.15			-0.16
			Sg	22:47.31			-0.06
SMOL	14.7	57	Pg	7:22:47.68			0.12
			Sg	22:49.89			0.29
JAVC	55.3	33	Pg	7:22:55.29			0.48
			Sg	23:01.55			-0.97
KRUC	93.9	317	Pg	7:23:02.23			0.52
			Sg	23:13.78			-1.01
VRAC	108.1	333	Pg	7:23:04.31			0.06
MORC	149.9	8	Pn	7:23:10.47			-0.19
			Sn	23:30.11			-0.61

1401.

2023-09-27 time: 8:19:55.86 UTC ML= 1.7
 lat: 46.117N lon: 18.018E h= 0.0 km
 erh= 3.1km erz= 4.3km
 nr= 13 gap=216 rms=0.75
 Locality: Bükkösd
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	7.1	117	Pg	8:19:57.29			0.17
			Sg	19:58.43			0.32
PKSV	31.2	145	Sg	8:20:04.69			-1.09
PKSM	49.2	78	Pg	8:20:05.04			0.38
			Sg	20:10.91			-0.61
MORH	49.6	77	Pg	8:20:04.80			0.09
			Sg	20:10.71			-0.91
PKS9	55.9	21	Pg	8:20:06.53			0.68
			Sg	20:12.98			-0.67
PKB4	61.7	47	Pg	8:20:07.66			0.77
			Sg	20:15.92			0.43
PKST	126.9	1	Sg	8:20:31.69			-4.53*
PKSG	144.5	11	Sn	8:20:38.34			-2.12

1402.

2023-09-27 time: 8:47:57.40 UTC ML= 2.1
 lat: 48.872N lon: 20.402E h= 0.0 km
 erh= 3.3km erz= 4.1km
 nr= 15 gap=154 rms=0.85
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	43.7	172	Pg	8:48:05.70			0.50
			Sg	48:10.66			-0.62
NIE	61.2	354	Pg	8:48:08.82			0.50
			Sg	48:15.51			-1.32
STHS	86.3	45	Pg	8:48:13.48			0.68
			Sg	48:23.26			-1.55
ABAH	89.0	136	Pg	8:48:12.98			-0.31
			Sg	48:25.07			-0.62
PSZ	112.5	200	Pg	8:48:17.55			0.06
			Sg	48:32.53			-0.63
KOLS	137.4	87	Pn	8:48:23.65			2.09
STZU	163.5	84	Pn	8:48:24.87			0.06
			Sn	48:44.20			-2.00
TRPA	178.2	118	Pn	8:48:26.98			0.33
			Sn	48:48.90			-0.56

1403.

2023-09-27 time: 8:50:59.58 UTC ML= 2.2
 lat: 48.327N lon: 18.196E h= 0.0 km
 erh= 3.1km erz= 3.2km
 nr= 15 gap=189 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	60.5	290	Sg	8:51:19.73			0.93
MODS	68.3	274	Pg	8:51:12.06			0.29
			Sg	51:20.28			-1.00
JAVC	70.7	327	Pg	8:51:12.69			0.48
			Sg	51:21.47			-0.59
ZST	82.5	260	Sg	8:51:26.70			0.91
PKSG	105.0	172	Sg	8:51:34.18			1.23
CSKK	107.3	177	Sg	8:51:32.53			-1.14
PKST	119.3	186	Sg	8:51:36.83			-0.68
RONA	157.9	244	Pn	8:51:27.48			1.17
			Sn	51:45.48			-1.67
MORC	168.2	344	Pn	8:51:27.99			0.41
			Sn	51:47.86			-1.56
CONA	179.3	256	Pn	8:51:28.42			-0.55
			Sn	51:50.49			-1.41

1404.

2023-09-27 time: 23:03:24.96 UTC ML= 2.3
 lat: 45.604N lon: 21.447E h= 13.4 km
 erh= 3.5km erz= 1.9km
 nr= 15 gap=140 rms=0.80
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	13.3	84	PgD	23:03:28.38			0.05
			Sg	03:31.06			0.10
DJES	137.3	142	Pn	23:03:47.67			0.26
			Sn	04:05.02			0.11
DRGR	164.2	36	Pn	23:03:50.58			-0.18
			Sn	04:11.77			0.89
PKS6	182.8	307	Pn	23:03:52.18			-0.91
			Sn	04:14.56			-0.46
PKB3	196.8	298	Sn	23:04:20.60			2.49
PKS2	199.0	300	Sn	23:04:21.32			2.70
LTVH	201.0	10	Sn	23:04:18.36			-0.69
MORH	227.8	287	Pn	23:03:58.16			-0.54
			Sn	04:29.45			4.44*

Hypocenter Parameters

PKB4 241.3 294 Sn 23:04:26.70 -1.31
 KOVH 265.5 282 Sn 23:04:32.08 -1.29
 PSZ 283.3 335 Sn 23:04:34.70 -2.61*

1405.

2023-09-28 time: 1:16:29.68 UTC ML= 1.3
 lat: 45.901N lon: 16.019E h= 10.0 km
 erh= 1.9km erz= 1.8km
 nr= 16 gap=169 rms=0.43
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.7	268	Pg	1:16:31.48	-0.18
			Sg	16:33.13	-0.07
R971	7.1	186	PgU	1:16:31.58	-0.29
			Sg	16:33.29	-0.29
ZAG	8.3	194	Pg	1:16:31.95	-0.05
			Sg	16:33.63	-0.18
GCIS	30.6	263	iPg	1:16:35.88	0.44
GOLS	32.9	292	iPg	1:16:36.47	0.64
CRES	44.5	259	Pg	1:16:37.90	0.08
			Sg	16:44.24	0.07
DOBS	50.8	303	iPg	1:16:39.02	0.10
KOGS	63.4	16	Pg	1:16:41.23	0.09
			Sg	16:50.85	0.77
GROS	73.9	327	Sg	1:16:52.61	-0.79
PERS	107.3	320	S*	1:17:01.70	-2.04
SOKA	115.0	319	Sn	1:17:04.15	-1.31

1406.

2023-09-28 time: 3:37:08.86 UTC ML= 2.0
 lat: 48.608N lon: 18.924E h= 7.4 km
 erh= 3.6km erz= 3.8km
 nr= 17 gap= 71 rms=1.39
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
LANS	72.3	33	Pg	3:37:20.17	-1.67
			Sg	37:29.33	-2.63
PENC	94.7	164	Sg	3:37:38.35	-0.70
JAVC	96.4	287	Pg	3:37:26.38	0.26
			Sg	37:39.29	-0.29
PSZ	105.2	137	Pg	3:37:28.26	0.57
			Sg	37:41.64	-0.74
SMOL	110.9	265	eSg	3:37:45.70	1.51
KECS	116.1	97	Pn	3:37:30.21	0.79
			Sn	37:44.46	-1.00
MODS	124.5	258	Sn	3:37:45.39	-1.93
NIE	135.8	48	Pn	3:37:32.72	0.84
			Sn	37:48.92	-0.92
PKSG	141.0	196	Sn	3:37:49.62	-1.36
MORC	164.5	322	Pn	3:37:38.04	2.59
			Sn	37:55.88	-0.31
ABAH	174.7	101	Pn	3:37:39.53	2.80

1407.

2023-09-28 time: 7:21:24.17 UTC ML= 1.9
 lat: 48.988N lon: 19.362E h= 0.0 km
 erh= 4.0km erz= 7.3km
 nr= 8 gap=102 rms=0.91
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	19.6	23	Pg	7:21:27.65	-0.03
			Sg	21:29.68	-0.74
NIE	84.3	55	Sg	7:21:51.13	0.17
KECS	99.9	124	Sg	7:21:55.12	-0.82
JAVC	124.8	263	Pg	7:21:46.90	0.44
PSZ	125.3	162	Pg	7:21:47.68	1.13

Földrengés paraméterek

MORC 158.6 304 Sg 22:00.51 -3.50
 Sn 7:22:11.52 -0.37

1408.

2023-09-28 time: 7:35:14.77 UTC ML= 1.6
 lat: 47.318N lon: 18.443E h= 0.0 km
 erh= 1.7km erz= 4.9km
 nr= 11 gap=114 rms=0.63
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.1	334	PgU	7:35:16.16	-0.24
			Sg	35:16.64	-1.03
CSKK	14.7	290	Pg	7:35:17.68	0.29
			Sg	35:18.60	-0.84
PKST	31.6	258	Pg	7:35:21.07	0.65
			Sg	35:24.85	0.03
MORH	123.5	173	Sg	7:35:53.65	-0.37
PKSM	123.9	173	Sg	7:35:54.28	0.13
PSZ	127.9	59	Pg	7:35:38.47	0.86
			Sg	35:55.38	-0.05
KOVH	139.2	191	Sn	7:35:56.47	-1.72

1409.

2023-09-28 time: 7:40:49.10 UTC ML= 1.1
 lat: 47.298N lon: 18.437E h= 0.0 km
 erh= 2.6km erz= 484km
 nr= 7 gap=191 rms=0.80
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.0	341	PgU	7:40:50.47	-0.59
			Sg	40:50.90	-1.69
CSKK	15.2	298	Pg	7:40:51.80	-0.01
			Sg	40:53.18	-0.74
PKST	30.8	262	Pg	7:40:55.34	0.74
MORH	121.4	173	Sg	7:41:28.64	0.96
PKSM	121.8	173	Sg	7:41:28.66	0.85

1410.

2023-09-28 time: 7:51:42.88 UTC ML= 1.2
 lat: 45.839N lon: 18.399E h= 0.0 km
 erh= 1.9km erz= 271km
 nr= 8 gap=271 rms=0.20
 Locality: Nagyharsány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	12.6	296	Pg	7:51:45.37	0.23
			Sg	51:46.81	-0.09
KOVH	36.1	320	Pg	7:51:49.39	0.06
			Sg	51:53.97	-0.39
PKSM	45.5	24	Pg	7:51:50.85	-0.16
			Sg	51:57.22	-0.13
MORH	46.0	24	Pg	7:51:51.08	-0.02
			Sg	51:57.97	0.46

1411.

2023-09-28 time: 7:58:52.19 UTC ML= 1.6
 lat: 48.579N lon: 20.738E h= 0.0 km
 erh= 4.8km erz= ***km
 nr= 6 gap=186 rms=0.64
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.5	240	Pg	7:58:56.74	0.72
			Sg	58:59.56	0.55

Földrengés paraméterek

Hypocenter Parameters

ABAH 48.7 130 Pg 7:59:00.89 0.01
 Sg 59:07.50 -0.16
 PSZ 96.6 220 Sg 7:59:21.94 -0.94
 LANS 112.8 304 Sg 7:59:26.95 -1.08

1412.

2023-09-28 time: 8:44:09.49 UTC ML= 1.1
 lat: 46.228N lon: 18.248E h= 0.0 km
 erh= 1.8km erz= 731km
 nr= 12 gap=116 rms=0.60
 Locality: Komló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.3	216	Pg	8:44:13.48	0.53
			Sg	44:15.83	0.19
PKSM	30.4	93	Pg	8:44:15.13	0.21
			Sg	44:18.88	-0.27
MORH	30.6	93	Pg	8:44:15.59	0.64
			Sg	44:18.80	-0.41
PKSV	37.8	180	Pg	8:44:16.22	-0.02
			Sg	44:20.29	-1.21
PKB4	40.4	43	Sg	8:44:22.58	0.23
PKST	115.7	352	Sg	8:44:46.69	0.41
MPLH	117.9	333	Sg	8:44:45.59	-1.38
PKSG	129.8	5	Sg	8:44:49.50	-1.25

1413.

2023-09-28 time: 9:52:14.39 UTC ML= 2.0
 lat: 48.240N lon: 21.233E h= 0.0 km
 erh= 4.0km erz= 6.4km
 nr= 11 gap=153 rms=1.12
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.2	5	PgU	9:52:15.32	-0.19
			Sg	52:15.98	-0.39
KECS	61.6	296	Pg	9:52:25.71	0.31
			Sg	52:33.16	-0.82
TRPA	97.9	97	Pg	9:52:32.22	0.34
			Sg	52:44.74	-0.77
PSZ	106.0	250	Pg	9:52:33.59	0.28
			Sg	52:46.54	-1.53
KOLS	108.8	45	Sg	9:52:47.40	-1.57
NIE	147.4	333	Pn	9:52:42.92	3.11
			Sn	52:59.18	-0.46

1414.

2023-09-28 time: 10:05:16.63 UTC ML= 1.8
 lat: 48.846N lon: 21.301E h= 0.0 km
 erh= 4.3km erz= 6.5km
 nr= 14 gap= 75 rms=1.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	61.3	184	Pg	10:05:27.63	0.05
			Sg	05:35.93	-0.19
STHS	63.6	356	Pg	10:05:28.49	0.49
			Sg	05:37.10	0.24
KOLS	72.0	82	Pg	10:05:31.65	2.16
KECS	72.3	236	Pg	10:05:30.99	1.44
			Sg	05:38.98	-0.64
NIE	96.2	311	Pg	10:05:33.50	-0.31
			Sg	05:45.55	-1.66
TRPA	121.3	131	Pg	10:05:36.47	-1.82
			Sg	05:53.25	-1.94
KWP	134.7	50	Sn	10:05:56.69	-2.35
PSZ	146.6	225	Pn	10:05:44.30	2.36
			Sn	05:59.64	-2.04

1415.

2023-09-28 time: 11:09:41.52 UTC ML= 1.6
 lat: 47.906N lon: 20.208E h= 0.0 km
 erh= 7.5km erz= ***km
 nr= 5 gap=199 rms=0.49
 Locality: Sirok
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	23.5	273	Pg	11:09:46.24	0.53
			Sg	09:49.13	0.15
KECS	67.4	18	Sg	11:10:02.66	-0.29
PENC	70.5	260	Sg	11:10:02.99	-0.94
ABAH	88.2	61	Sg	11:10:09.48	-0.09

1416.

2023-09-28 time: 11:13:42.65 UTC ML= 1.1
 lat: 47.930N lon: 16.113E h= 0.0 km
 erh= 3.0km erz= 816km
 nr= 6 gap=142 rms=0.47
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.8	270	Pg	11:13:46.20	0.19
			Sg	13:48.15	-0.48
RONA	29.0	152	Pg	11:13:47.76	-0.07
			Sg	13:51.75	-0.13
KRUC	127.6	9	Pg	11:14:06.07	0.63
			Sg	14:21.95	-1.26

1417.

2023-09-28 time: 11:34:09.77 UTC ML= 1.8
 lat: 48.439N lon: 16.993E h= 7.0 km
 erh= 1.9km erz= 2.7km
 nr= 16 gap= 92 rms=0.69
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	22.2	109	PgU	11:34:13.66	-0.28
			Sg	34:16.68	-0.50
SMOL	33.2	76	PgU	11:34:15.78	-0.05
			Sg	34:20.20	-0.36
JAVC	68.3	47	Pg	11:34:22.90	0.86
			Sg	34:31.55	-0.06
KRUC	82.0	328	Pg	11:34:24.93	0.46
			Sg	34:34.76	-1.18
RONA	97.3	212	Pg	11:34:28.06	0.87
VRAC	101.0	343	Pg	11:34:27.63	-0.22
			Sg	34:40.90	-1.05
CONA	101.5	236	Pg	11:34:28.18	0.23
			Sg	34:40.82	-1.30
MPLH	146.9	164	Sn	11:34:52.12	-1.19
MORC	154.1	15	Pn	11:34:36.28	1.16
			Sn	34:54.48	-0.41

1418.

2023-09-29 time: 5:34:29.47 UTC ML= 1.4
 lat: 48.311N lon: 21.496E h= 0.0 km
 erh= 4.1km erz= 7.2km
 nr= 8 gap=145 rms=0.97
 Locality: Bodrogolaszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	19.1	265	Pg	5:34:33.53	0.66
			Sg	34:35.95	0.42
KECS	77.2	284	Sg	5:34:55.17	1.17
TRPA	80.1	105	Sg	5:34:54.08	-0.85

Hypocenter Parameters

KOLS 89.9 40 Sg 5:34:59.01 0.98
 STHS 124.4 351 Sg 5:35:07.51 -1.48
 PSZ 127.0 250 Sg 5:35:08.61 -1.21
 NIE 150.7 325 Sn 5:35:14.36 -1.07

1419.

2023-09-29 time: 7:16:46.27 UTC ML= 1.5
 lat: 45.940N lon: 17.951E h= 16.2 km
 erh= 1.6km erz= 1.0km
 nr= 13 gap=175 rms=0.25
 Locality: Magyarmecské
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	20.1	35	PgD	7:16:50.79	-0.08
			Sg	16:54.27	-0.20
PKSV	24.0	104	Pg	7:16:51.55	0.11
			Sg	16:55.56	0.09
PKSM	61.3	60	Pg	7:16:57.64	0.04
			Sg	17:06.20	-0.23
MORH	61.8	60	Pg	7:16:57.75	0.08
			Sg	17:06.43	-0.13
PKS9	76.2	19	P*	7:17:01.12	1.02
			S*	17:10.56	-0.32
PKB4	79.8	39	P*	7:17:00.69	0.06
BLY	145.4	204	Pn	7:17:09.22	-0.15
			Sn	17:27.18	-0.20

1420.

2023-09-29 time: 7:42:43.55 UTC ML= 1.2
 lat: 47.069N lon: 18.080E h= 0.0 km
 erh= 1.3km erz= 508km
 nr= 13 gap=122 rms=0.42
 Locality: Papkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	21.4	351	Pg	7:42:47.07	-0.30
			Sg	42:49.93	-0.41
TIH	23.6	217	Pg	7:42:47.89	0.13
			Sg	42:51.45	0.40
CSKK	35.4	23	Pg	7:42:50.90	1.03
			Sg	42:54.93	0.12
MPLH	42.5	285	Pg	7:42:51.33	0.19
			Sg	42:56.66	-0.41
PKSG	42.9	33	Sg	7:42:56.58	-0.60
MORH	104.2	156	Sg	7:43:16.30	-0.38
PKSM	104.5	156	Pg	7:43:02.45	0.23
			Sg	43:16.46	-0.32
KOVH	109.0	179	Sg	7:43:17.79	-0.42

1421.

2023-09-29 time: 7:44:07.03 UTC ML= 1.7
 lat: 48.099N lon: 21.360E h= 0.0 km
 erh= 4.3km erz= 7.6km
 nr= 9 gap=170 rms=1.10
 Locality: Tokaj
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	23.7	338	Pg	7:44:12.53	1.27
			Sg	44:14.81	0.25
KECS	77.7	303	Sg	7:44:31.17	-0.56
TRPA	87.9	88	Pg	7:44:23.64	0.92
			Sg	44:34.13	-0.83
PSZ	111.2	260	Pg	7:44:27.51	0.62
			Sg	44:41.42	-0.96
KOLS	114.7	36	Sg	7:44:41.50	-1.99
PENC	159.0	258	Sn	7:44:52.94	-1.91

Földrengés paraméterek

1422.

2023-09-29 time: 7:59:04.35 UTC ML= 1.5
 lat: 47.926N lon: 16.451E h= 0.0 km
 erh= 2.6km erz= 7.4km
 nr= 13 gap=112 rms=0.79
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	27.7	205	Pg	7:59:09.11	-0.20
			Sg	59:12.55	-0.62
SOP	28.2	163	Pg	7:59:09.76	0.37
			Sg	59:13.65	0.33
CONA	44.0	270	Pg	7:59:13.83	1.61
			Sg	59:18.21	-0.14
MODS	79.1	51	Pg	7:59:18.92	0.44
			Sg	59:28.62	-0.87
ARSA	102.6	223	Pg	7:59:22.52	-0.15
			Sg	59:34.34	-2.61
KRUC	126.3	358	Pg	7:59:26.48	-0.43
			Sg	59:42.92	-1.58
JAVC	137.5	41	Pn	7:59:28.86	0.32

1423.

2023-09-29 time: 8:23:25.16 UTC ML= 1.7
 lat: 48.458N lon: 17.443E h= 0.0 km
 erh= 3.1km erz= 4.4km
 nr= 11 gap=205 rms=0.68
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.3	350	PgU	8:23:26.63	0.36
			Sg	23:27.22	0.07
MODS	15.4	232	Pg	8:23:28.59	0.68
			Sg	23:30.86	0.79
JAVC	47.6	21	Pg	8:23:34.10	0.44
			Sg	23:39.23	-1.07
KRUC	102.2	311	Sg	8:23:56.92	-0.71
RONA	120.1	225	Pg	8:23:46.78	0.18
			Sg	24:02.20	-1.12
CONA	131.5	243	Pn	8:23:48.11	-0.48
			Sn	24:04.47	-2.39

1424.

2023-09-29 time: 8:33:35.59 UTC ML= 1.6
 lat: 48.668N lon: 20.375E h= 0.0 km
 erh= 2.6km erz= 719km
 nr= 8 gap=154 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.1	158	Pg	8:33:39.80	0.26
			Sg	33:42.60	-0.01
ABAH	76.1	123	Pg	8:33:49.73	0.55
			Sg	33:58.66	-1.13
NIE	83.7	357	Sg	8:34:01.40	-0.78
PSZ	90.6	203	Pg	8:33:52.01	0.23
			Sg	34:03.75	-0.65
STHS	104.7	37	Sg	8:34:09.06	0.18

1425.

2023-09-30 time: 8:12:03.67 UTC ML= 1.2
 lat: 46.109N lon: 18.326E h= 0.0 km
 erh= 3.6km erz= 821km
 nr= 8 gap=128 rms=0.58
 Locality: Hird
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KOVH	17.7	262	Pg	8:12:06.33	-0.50
			Sg	12:08.84	-0.45
PKSV	25.2	193	Pg	8:12:08.82	0.65
PKSM	26.9	65	Pg	8:12:08.21	-0.26
			Sg	12:11.89	-0.33
MORH	27.3	64	Pg	8:12:08.14	-0.40
			Sg	12:12.21	-0.13
PKS9	53.2	356	Pg	8:12:14.32	1.14

1426.

2023-10-01 time: 20:24:22.94 UTC ML= 1.5
 lat: 46.483N lon: 16.362E h= 13.2 km
 erh= 1.8km erz= 1.1km
 nr= 16 gap=113 rms=0.41
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	9.4	245	Pg	20:24:25.29	-0.55
			Sg	24:28.03	-0.06
BEHE	31.8	93	Pg	20:24:29.08	-0.01
			Sg	24:33.97	0.09
RCF6	35.2	242	Pg	20:24:29.68	0.03
			Sg	24:34.95	0.08
GROS	66.1	268	Pg	20:24:34.96	-0.02
			Sg	24:44.81	0.44
PTJ	72.0	206	Pg	20:24:36.83	0.82
PERS	97.0	280	P*	20:24:40.21	0.00
			S*	24:52.40	-1.28
CRES	101.1	224	P*	20:24:40.74	-0.10
			S*	24:53.69	-1.11
SOKA	104.2	282	Pn	20:24:41.64	0.36
ARSA	106.6	323	Sn	20:24:56.28	0.16
MPLH	117.9	50	Sn	20:24:58.31	-0.32

1427.

2023-10-01 time: 20:27:57.67 UTC ML= 1.4
 lat: 46.474N lon: 16.351E h= 10.0 km
 erh= 3.0km erz= 3.2km
 nr= 10 gap=170 rms=0.50
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	8.2	250	Pg	20:27:59.74	-0.24
			Sg	28:01.93	0.15
BEHE	32.6	91	Pg	20:28:03.58	-0.18
			Sg	28:08.74	0.22
RCF6	33.9	243	Sg	20:28:09.53	0.63
GROS	65.2	269	Sg	20:28:18.68	0.04
PERS	96.3	281	Pg	20:28:15.71	0.75
			Sg	28:27.37	-1.08
CRES	99.8	224	Pg	20:28:15.63	0.06
			Sg	28:28.54	-1.00

1428.

2023-10-01 time: 22:19:43.86 UTC ML= 1.2
 lat: 46.395N lon: 16.344E h= 10.0 km
 erh= 7.2km erz= 4.7km
 nr= 5 gap=254 rms=0.29
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	9.4	309	Pg	22:19:46.06	-0.24
			Sg	19:48.45	0.24
ZAG	68.5	203	Sg	22:20:06.28	0.43
CRES	93.3	227	Sg	22:20:13.22	-0.46
PERS	98.0	286	Pg	22:20:01.57	0.13

1429.

2023-10-01 time: 22:23:49.97 UTC ML= 1.4
 lat: 46.452N lon: 16.370E h= 8.2 km
 erh= 2.2km erz= 4.1km
 nr= 17 gap=163 rms=0.68
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	9.2	267	Pg	22:23:51.75	-0.41
			Sg	23:54.10	0.23
BEHE	31.2	86	Pg	22:23:55.27	-0.47
			Sg	24:00.13	-0.10
RCF6	34.2	247	Pg	22:23:56.13	-0.12
			Sg	24:00.87	-0.28
GROS	66.7	271	Pg	22:24:03.23	1.27
			Sg	24:11.36	0.04
PTJ	69.2	207	Pg	22:24:03.53	1.12
			Sg	24:12.65	0.55
ZAG	75.1	203	Sg	22:24:13.43	-0.57
PERS	98.2	282	Pg	22:24:07.56	-0.01
			Sg	24:20.51	-0.79
CRES	99.1	225	Pg	22:24:07.21	-0.52
			Sg	24:20.63	-0.95
SOKA	105.5	284	Pg	22:24:09.75	0.88
			Sg	24:22.47	-1.14

1430.

2023-10-02 time: 2:04:59.28 UTC ML= 1.2
 lat: 46.509N lon: 16.313E h= 15.9 km
 erh= 4.5km erz= 1.7km
 nr= 8 gap=178 rms=0.47
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	8.3	215	Pg	2:05:02.45	-0.03
			Sg	05:04.72	-0.26
RCF6	33.4	234	Sg	2:05:11.51	0.46
BEHE	35.8	97	Pg	2:05:05.95	-0.32
			Sg	05:11.70	-0.03
PERS	92.8	279	S*	2:05:28.42	0.00
CRES	100.7	221	Pn	2:05:17.51	0.68
			Sn	05:29.23	-1.29

1431.

2023-10-02 time: 8:06:38.65 UTC ML= 1.9
 lat: 48.693N lon: 19.129E h= 0.0 km
 erh= 2.6km erz= 3.5km
 nr= 19 gap= 77 rms=1.15
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	56.6	26	Pg	8:06:48.40	-0.37
			Sg	06:55.36	-1.30
PENC	101.0	174	Pg	8:06:58.10	1.42
			Sg	07:09.45	-1.29
KECS	102.7	103	Pg	8:06:58.33	1.33
			Sg	07:08.81	-2.50
PSZ	103.1	147	Pg	8:06:58.33	1.26
			Sg	07:10.53	-0.90
JAVC	108.8	280	Pg	8:06:59.04	0.95
			Sg	07:12.26	-0.98
SRO	115.0	212	Sg	8:07:14.61	-0.61
SMOL	127.0	261	Pg	8:07:02.09	0.75
			Sg	07:17.74	-1.29
BUD	134.7	183	Sn	8:07:19.62	-1.44
MODS	141.3	255	Sn	8:07:21.81	-0.73
PKSG	154.8	201	Sn	8:07:24.16	-1.37
MORC	167.0	316	Pn	8:07:07.33	0.82
			Sn	07:27.06	-1.19

Hypocenter Parameters

Földrengés paraméterek

PKST 179.2 207 Sn 8:07:31.13 0.19

1436.

1432.

2023-10-02 time: 9:48:59.52 UTC ML= 1.5
 lat: 48.463N lon: 19.495E h= 0.0 km
 erh= 5.4km erz= ***km
 nr= 6 gap=205 rms=0.64
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	67.4	154	Pg	9:49:11.35	-0.20
			Sg	49:20.82	-0.12
KECS	73.3	88	Pg	9:49:13.31	0.71
			Sg	49:22.39	-0.41
LANS	76.5	358	Sg	9:49:24.34	0.50
NIE	122.1	29	Sg	9:49:36.63	-1.69

1433.

2023-10-02 time: 11:48:56.94 UTC ML= 1.8
 lat: 48.966N lon: 20.596E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 8 gap=134 rms=1.17
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
NIE	54.4	338	Sg	11:49:13.95	-0.27
KECS	54.4	189	Pg	11:49:08.10	1.45
			Sg	49:14.34	0.12
ABAH	88.4	148	Sg	11:49:23.59	-1.45
KOLS	122.9	92	Pg	11:49:19.82	0.92
			Sg	49:34.22	-1.80
PSZ	127.6	204	Pg	11:49:19.92	0.20
			Sg	49:35.42	-2.07

1434.

2023-10-03 time: 0:48:23.74 UTC ML= 1.2
 lat: 46.471N lon: 16.363E h= 15.6 km
 erh= 1.3km erz= 0.7km
 nr= 8 gap=134 rms=0.21
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	9.0	253	Pg	0:48:26.65	-0.31
			Sg	48:29.83	0.36
BEHE	31.7	90	Sg	0:48:35.04	0.08
RCF6	34.6	244	Sg	0:48:36.07	0.26
PERS	97.3	281	S*	0:48:54.05	-0.11
CRES	100.3	224	P*	0:48:41.33	0.06
			S*	48:54.78	-0.17
ARSA	107.7	324	Sn	0:48:56.70	0.08

1435.

2023-10-03 time: 7:07:34.77 UTC ML= 1.0
 lat: 47.999N lon: 16.607E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 6 gap=165 rms=0.73
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	40.6	215	Pg	7:07:42.60	0.57
			Sg	07:46.27	-1.42
CONA	56.2	262	Pg	7:07:45.33	0.51
			Sg	07:52.38	-0.27
MODS	64.9	50	Sg	7:07:55.66	0.25
KRUC	119.2	352	Sg	7:08:11.55	-1.12

2023-10-03 time: 7:57:19.73 UTC ML= 1.9
 lat: 47.330N lon: 18.438E h= 0.0 km
 erh= 2.5km erz= 4.9km
 nr= 10 gap=114 rms=0.75
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.8	333	Pg	7:57:21.63	0.51
			Sg	57:21.83	-0.37
CSKK	13.9	285	Pg	7:57:23.03	0.82
			Sg	57:23.75	-0.41
PKST	31.5	256	Sg	7:57:29.00	-0.75
MORH	124.8	173	Sg	7:57:58.59	-0.81
PKSM	125.2	173	Sg	7:57:58.94	-0.59
PSZ	127.5	59	Sg	7:58:00.05	-0.21
KOVH	140.4	191	Sn	7:58:04.38	0.97
MODS	145.0	323	Sn	7:58:00.68	-3.75

1437.

2023-10-03 time: 8:09:19.24 UTC ML= 1.8
 lat: 48.528N lon: 17.500E h= 0.0 km
 erh= 2.5km erz= 2.6km
 nr= 16 gap=205 rms=0.74
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.5	254	PgU	8:09:20.34	0.12
			Sg	09:21.24	0.26
MODS	23.7	224	Pg	8:09:23.63	0.15
			Sg	09:26.33	-0.45
JAVC	39.0	19	Pg	8:09:26.68	0.48
			Sg	09:30.71	-0.92
KRUC	100.6	306	Pg	8:09:38.35	1.15
			Sg	09:50.94	-0.27
VRAC	109.3	323	Pg	8:09:39.36	0.60
			Sg	09:53.14	-0.85
RONA	128.5	224	Pg	8:09:42.86	0.68
			Sg	09:58.50	-1.57
CONA	138.7	241	Pn	8:09:43.15	-0.42
			Sn	10:01.37	-1.18
MORC	139.0	1	Sn	8:10:00.45	-2.16
KRLC	179.9	343	Sn	8:10:11.15	-0.54

1438.

2023-10-03 time: 8:39:00.41 UTC ML= 0.9
 lat: 47.961N lon: 16.081E h= 0.0 km
 erh= 2.0km erz= 530km
 nr= 6 gap=140 rms=0.31
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.8	257	Pg	8:39:03.41	0.00
			Sg	39:05.66	-0.09
RONA	33.3	151	Pg	8:39:06.21	-0.15
			Sg	39:11.12	0.12
KRUC	124.5	11	Pg	8:39:23.06	0.41
			Sg	39:39.02	-0.98

1439.

2023-10-03 time: 8:40:31.69 UTC ML= 1.4
 lat: 48.600N lon: 20.782E h= 0.0 km
 erh= 1.6km erz= 347km
 nr= 7 gap=193 rms=0.23
 Locality: Slovakia
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KECS	25.5	239	Pg	8:40:36.38	0.14
			Sg	40:39.55	-0.23
ABAH	47.8	135	Pg	8:40:40.22	0.00
			Sg	40:46.71	-0.17
PSZ	100.4	221	Pg	8:40:50.02	0.39
			Sg	41:03.26	-0.36
LANS	114.2	302	Pg	8:40:51.96	-0.13

1440.

2023-10-03 time: 8:42:10.98 UTC ML= 1.7
 lat: 48.314N lon: 19.831E h= 0.0 km
 erh= 3.1km erz= ***km
 nr= 11 gap=129 rms=0.84
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	44.3	174	Pg	8:42:19.55	0.66
			Sg	42:25.24	0.19
KECS	52.0	69	Pg	8:42:20.64	0.37
PENC	71.2	215	Pg	8:42:23.66	-0.04
			Sg	42:32.62	-0.99
LANS	96.8	344	Pg	8:42:29.29	1.03
			Sg	42:40.27	-1.47
ABAH	104.5	91	Pg	8:42:29.92	0.28
			Sg	42:42.67	-1.53
NIE	127.8	16	Pg	8:42:33.85	0.04
			Sg	42:48.80	-2.82

1441.

2023-10-03 time: 8:42:37.22 UTC ML= 1.3
 lat: 48.526N lon: 17.472E h= 0.0 km
 erh= 1.1km erz=10.3km
 nr= 9 gap=199 rms=0.22
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.5	247	Pg	8:42:37.73	-0.11
			Sg	42:38.32	0.00
MODS	22.2	220	Pg	8:42:41.37	0.18
			Sg	42:44.19	-0.10
JAVC	39.8	22	Pg	8:42:44.25	-0.08
			Sg	42:49.70	-0.18
KRUC	99.0	307	Pg	8:42:55.25	0.34
			Sg	43:08.36	-0.34
CONA	136.9	241	Sn	8:43:17.59	-2.52*

1442.

2023-10-03 time: 9:21:37.69 UTC ML= 0.8
 lat: 47.196N lon: 18.306E h= 0.0 km
 erh= 2.4km erz= 4.7km
 nr= 9 gap=111 rms=0.64
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.9	349	Pg	9:21:41.45	0.38
			Sg	21:43.33	-0.38
PKST	21.8	289	Pg	9:21:41.76	0.18
			Sg	21:44.19	-0.42
PKSG	22.7	16	Pg	9:21:42.19	0.44
			Sg	21:44.66	-0.25
MORH	112.0	167	Sg	9:22:14.12	0.83
KOVH	124.1	187	Sg	9:22:15.06	-2.09
PSZ	144.0	56	Sn	9:22:20.93	-1.25

1443.

2023-10-03 time: 9:50:57.63 UTC ML= 1.6
 lat: 46.320N lon: 22.856E h= 0.0 km
 erh= 3.8km erz= 2.4km
 nr= 5 gap=243 rms=0.80
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	53.6	348	Pg	9:51:06.62	-0.58
			Sg	51:13.98	-0.69
BZS	123.9	231	Pg	9:51:19.77	0.02
			Sg	51:36.67	-0.33
LTVH	139.0	328	Pn	9:51:23.53	1.53

1444.

2023-10-03 time: 10:53:44.38 UTC ML= 1.4
 lat: 45.545N lon: 17.672E h= 12.3 km
 erh= 5.4km erz= 1.4km
 nr= 8 gap=339 rms=0.30
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	59.2	50	Pg	10:53:55.47	0.30
			Sg	54:03.54	-0.05
KOVH	68.9	29	Pg	10:53:57.07	0.18
			Sg	54:06.00	-0.64
PKSM	105.6	45	Pn	10:54:03.07	0.05
			Sn	54:17.79	0.23
MORH	106.1	45	Pn	10:54:02.60	-0.48
			Sn	54:17.79	0.13

1445.

2023-10-03 time: 10:57:38.24 UTC ML= 1.6
 lat: 47.859N lon: 20.158E h= 0.0 km
 erh= 5.7km erz= 6.3km
 nr= 8 gap=190 rms=0.86
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.8	289	Pg	10:57:42.47	0.51
			Sg	57:45.76	0.90
PENC	66.1	263	Sg	10:57:58.75	-0.49
KECS	73.6	19	Sg	10:58:00.39	-1.24
ABAH	94.1	59	Pg	10:57:55.85	0.80
			Sg	58:07.36	-0.80
PKSG	142.6	249	Pn	10:58:03.29	0.23
			Sn	58:20.43	-1.99

1446.

2023-10-03 time: 11:06:54.57 UTC ML= 1.0
 lat: 47.928N lon: 16.119E h= 0.0 km
 erh= 2.3km erz= 638km
 nr= 6 gap=143 rms=0.38
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	19.2	270	Pg	11:06:57.78	-0.22
			Sg	07:00.67	-0.01
RONA	28.6	152	Pg	11:06:59.73	0.06
			Sg	07:03.49	-0.17
KRUC	127.8	9	Pg	11:07:18.05	0.67
			Sg	07:34.48	-0.70

Hypocenter Parameters

Földrengés paraméterek

1447.

2023-10-03 time: 11:24:00.17 UTC ML= 1.3
 lat: 47.876N lon: 16.052E h= 0.0 km
 erh= 2.2km erz= 3.5km
 nr= 7 gap=126 rms=0.69
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.4	292	Pg	11:24:03.54			0.63
			Sg	24:05.58			0.53
RONA	26.8	137	Pg	11:24:05.26			0.30
			Sg	24:09.10			0.41
ARSA	80.1	210	Pg	11:24:14.11			-0.36
KRUC	134.3	11	Pn	11:24:23.34			-0.61
			Sn	24:39.62			-2.88

1448.

2023-10-03 time: 21:13:25.09 UTC ML= 2.3
 lat: 45.516N lon: 16.126E h= 8.4 km
 erh= 2.6km erz= 1.8km
 nr= 30 gap=141 rms=0.85
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	36.3	344	Pg	21:13:31.89			0.15
			Sg	13:37.60			0.67
R971	36.9	346	Pg	21:13:31.85			0.00
PTJ	44.7	343	Pg	21:13:33.09			-0.11
			Sg	13:40.29			0.76
R93E	60.9	103	Pg	21:13:36.42			0.36
CRES	62.5	303	Pg	21:13:35.39			-0.96
			Sg	13:43.90			-1.23
RCF6	91.8	352	Pg	21:13:41.66			0.11
			Sg	13:53.80			-0.58
KOGS	104.1	5	Pg	21:13:43.55			-0.19
			Sg	13:57.45			-0.83
GROS	115.6	335	Pn	21:13:45.10			-0.37
			Sn	13:59.57			-1.80
BEHE	117.4	25	Pn	21:13:46.30			0.61
			Sn	14:01.40			-0.36
BLY	119.1	136	Pn	21:13:45.43			-0.48
			Sn	14:00.13			-2.01
PERS	146.9	328	Pn	21:13:49.10			-0.27
			Sn	14:07.40			-0.91
SOKA	154.4	327	Pn	21:13:51.75			1.45
			Sn	14:10.95			0.99
OBKA	164.6	312	Pn	21:13:53.76			2.18
			Sn	14:13.05			0.81
KOVH	166.2	67	Pn	21:13:51.25			-0.52
PKSV	170.7	76	Pn	21:13:55.00			2.66
			Sn	14:14.75			1.16
ROB8	173.0	282	Sn	21:14:15.11			1.01
TRI	185.5	277	Sn	21:14:18.21			1.35
MORH	210.5	68	Pn	21:13:56.75			-0.54

1449.

2023-10-04 time: 8:26:32.59 UTC ML= 1.7
 lat: 48.434N lon: 19.602E h= 0.0 km
 erh= 3.1km erz= 834km
 nr= 9 gap=194 rms=0.63
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	61.4	159	Pg	8:26:43.51			-0.04
			Sg	26:51.18			-0.92
KECS	65.6	85	Pg	8:26:44.92			0.61
			Sg	26:54.11			0.66
LANS	80.2	353	Pg	8:26:47.38			0.46
			Sg	26:57.32			-0.78

NIE	121.3	25	Pg	8:26:54.43			0.19
			Sg	27:09.53			-1.60
ABAH	122.3	97	Sg	8:27:10.94			-0.54

1450.

2023-10-04 time: 8:45:34.11 UTC ML= 1.5
 lat: 48.564N lon: 20.795E h= 0.0 km
 erh= 2.4km erz= 7.3km
 nr= 11 gap= 91 rms=0.93
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.6	249	Pg	8:45:38.62			0.13
			Sg	45:41.59			-0.32
ABAH	44.4	132	Pg	8:45:42.81			0.78
			Sg	45:48.52			0.30
PSZ	98.1	223	Sg	8:46:04.68			-0.62
STHS	100.4	19	Pg	8:45:52.79			0.76
			Sg	46:04.60			-1.40
NIE	101.4	340	Pg	8:45:53.26			1.05
LANS	117.2	304	Pg	8:45:54.74			-0.30
			Sg	46:09.77			-1.60
TRPA	138.0	110	Sn	8:46:14.31			-2.94

1451.

2023-10-04 time: 9:05:02.14 UTC ML= 2.0
 lat: 48.713N lon: 18.751E h= 0.0 km
 erh= 2.6km erz= 4.3km
 nr= 17 gap= 84 rms=1.03
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	71.6	47	Pg	9:05:15.96			1.04
			Sg	05:24.42			-0.47
JAVC	81.0	282	Pg	9:05:16.78			0.17
			Sg	05:26.76			-1.14
SMOL	100.0	257	Sg	9:05:33.18			-0.74
SRO	105.2	198	Sg	9:05:34.93			-0.65
PENC	109.9	159	Sg	9:05:36.26			-0.82
MODS	115.2	251	Pg	9:05:23.51			0.80
			Sg	05:37.83			-0.92
PSZ	122.5	136	Pg	9:05:24.53			0.51
			Sg	05:39.29			-1.79
KECS	130.5	101	Pg	9:05:26.56			1.12
			Sg	05:40.77			-2.85
MORC	147.4	323	Pn	9:05:27.50			-0.06
			Sn	05:45.19			-2.19
PKST	170.3	198	Pn	9:05:31.88			1.47
			Sn	05:52.93			0.47

1452.

2023-10-04 time: 9:51:53.16 UTC ML= 1.8
 lat: 46.856N lon: 17.250E h= 0.0 km
 erh= 3.7km erz= ***km
 nr= 11 gap=153 rms=1.10
 Locality: Rezi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	41.3	32	Pg	9:52:01.93			1.39
			Sg	52:06.31			0.02
PKST	74.6	53	Pg	9:52:07.17			0.69
			Sg	52:16.01			-0.85
KOGS	88.9	239	Sg	9:52:20.42			-1.01
CSKK	95.2	54	Sg	9:52:23.68			0.26
PKSG	105.1	55	Sg	9:52:24.72			-1.84
KOVH	107.4	143	Sg	9:52:28.69			1.39
PKB5	117.2	104	Sg	9:52:30.10			-0.32
MORH	128.4	124	Sg	9:52:31.82			-2.17
PKSM	128.5	124	Sg	9:52:33.64			-0.37

Földrengés paraméterek

Hypocenter Parameters

1453.

2023-10-04 time: 9:53:16.84 UTC ML= 1.7
 lat: 46.850N lon: 17.393E h= 0.0 km
 erh= 7.0km erz= ***km
 nr= 8 gap=230 rms=0.77
 Locality: Raposka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	37.2	17	Pg	9:53:22.99	-0.50
			Sg	53:27.53	-1.15
PKST	66.6	47	Pg	9:53:29.25	0.52
			Sg	53:37.62	-0.39
PKSG	96.7	52	Pg	9:53:35.20	1.09
KOVH	100.6	147	Pg	9:53:35.35	0.54
			Sg	53:47.72	-1.10
PKSM	119.2	127	Sg	9:53:53.98	-0.75

1454.

2023-10-04 time: 10:08:20.09 UTC ML= 1.4
 lat: 48.001N lon: 20.375E h= 0.0 km
 erh= 1.9km erz= 303km
 nr= 5 gap=193 rms=0.14
 Locality: Felsőtárkány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	37.1	256	Pg	10:08:26.65	-0.06
			Sg	08:31.89	0.02
KECS	54.2	9	Pg	10:08:29.97	0.20
			Sg	08:37.13	-0.19
ABAH	72.2	63	Sg	10:08:42.93	-0.10

1455.

2023-10-04 time: 10:51:17.02 UTC ML= 1.7
 lat: 48.976N lon: 19.832E h= 0.0 km
 erh= 3.2km erz= 5.9km
 nr= 9 gap=103 rms=0.80
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	33.0	306	Pg	10:51:23.09	0.19
			Sg	51:26.46	-1.03
NIE	60.5	35	Pg	10:51:27.94	0.12
			Sg	51:35.65	-0.59
KECS	72.9	139	Pg	10:51:30.99	0.96
			Sg	51:38.98	-1.20
PSZ	117.7	178	Sg	10:51:52.83	-1.58
JAVC	158.9	265	Pn	10:51:44.57	0.70
			Sn	52:05.43	0.62

1456.

2023-10-05 time: 8:37:39.37 UTC ML= 1.2
 lat: 48.506N lon: 20.793E h= 0.0 km
 erh= 5.9km erz= 865km
 nr= 5 gap=222 rms=0.39
 Locality: Tornaszentandrás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	264	Pg	8:37:43.21	-0.24
			Sg	37:46.65	0.01
ABAH	40.5	125	Pg	8:37:47.12	0.52
			Sg	37:51.58	-0.66
PSZ	93.5	226	Sg	8:38:09.15	0.07

1457.

2023-10-05 time: 9:21:04.71 UTC ML= 2.0
 lat: 48.778N lon: 21.701E h= 0.0 km
 erh= 2.7km erz= 4.9km
 nr= 18 gap=73 rms=1.09
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	45.4	68	Sg	9:21:19.26	0.13
ABAH	63.6	212	Pg	9:21:17.21	1.15
STZU	72.6	69	Pg	9:21:18.66	0.99
			Sg	21:27.79	0.01
STHS	78.5	335	Sg	9:21:29.00	-0.65
TRPA	95.1	139	Pg	9:21:22.11	0.43
			Sg	21:32.48	-2.44
KECS	95.4	250	Pg	9:21:21.33	-0.42
			Sg	21:33.38	-1.66
BRIU	109.0	117	Pg	9:21:24.57	0.40
KWP	119.9	38	Pg	9:21:26.77	0.65
			Sg	21:41.17	-1.65
NIE	123.9	305	Pg	9:21:27.01	0.18
			Sg	21:42.27	-1.82
MEZ	136.8	102	Sn	9:21:43.91	-3.68
PSZ	164.6	234	Pn	9:21:33.54	1.28
			Sn	21:52.01	-1.74
LANS	168.7	284	Sn	9:21:55.81	1.14

1458.

2023-10-05 time: 9:27:20.74 UTC ML= 1.5
 lat: 48.992N lon: 20.296E h= 0.0 km
 erh= 5.1km erz= ***km
 nr= 6 gap=165 rms=0.72
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
NIE	47.5	1	Pg	9:27:29.77	0.55
			Sg	27:34.70	-1.14
KECS	58.3	166	Sg	9:27:39.08	-0.18
LANS	63.0	286	Sg	9:27:40.88	0.10
PSZ	123.0	194	Pg	9:27:43.31	0.60
			Sg	27:58.49	-1.35

1459.

2023-10-05 time: 10:04:45.63 UTC ML= 0.9
 lat: 47.177N lon: 18.305E h= 0.0 km
 erh= 2.2km erz= 609km
 nr= 8 gap=151 rms=0.43
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.9	351	Pg	10:04:49.82	0.45
PKST	22.4	294	Pg	10:04:49.60	-0.03
			Sg	04:52.04	-0.71
PKSG	24.7	15	Pg	10:04:50.19	0.14
			Sg	04:52.77	-0.72
TIH	43.9	225	Pg	10:04:53.97	0.49
MORH	110.0	166	Sg	10:05:20.24	-0.35
PKSM	110.4	167	Sg	10:05:20.24	-0.47

1460.

2023-10-05 time: 14:32:18.93 UTC ML= 2.2
 lat: 45.832N lon: 20.684E h= 23.4 km
 erh= 5.5km erz= 9.0km
 nr= 19 gap=128 rms=0.90
 Locality: Croatia
 Comments:

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
BZS	76.5	108	Pg	14:32:32.54	0.08
			Sg	32:42.45	-0.56
PKS6	121.4	315	Pn	14:32:38.22	-0.03
			Sn	32:52.18	-1.14
ROB0	123.7	236	Pn	14:32:38.76	0.23
PKB3	132.5	300	Sn	14:32:56.92	1.13
PKS2	135.2	303	Sn	14:32:57.52	1.14
MORH	163.6	285	Pn	14:32:43.31	-0.20
			Sn	33:00.92	-1.76
PKSM	163.7	285	Pn	14:32:43.23	-0.29
			Sn	33:01.23	-1.47
PKB4	176.8	295	Sn	14:33:09.91	4.30*
DRGR	189.1	56	Pn	14:32:49.06	2.37
			Sn	33:07.76	-0.59
KOVH	202.3	278	Pn	14:32:49.10	0.76
			Sn	33:11.20	-0.08
PSZ	239.6	345	Pn	14:32:52.08	-0.91
			Sn	33:18.72	-0.83
PENC	242.6	334	Pn	14:32:53.37	0.01

1461.

2023-10-05 time: 18:21:51.64 UTC ML= 0.5
 lat: 46.256N lon: 18.516E h= 8.4 km
 erh= 0.5km erz= 1.3km
 nr= 10 gap=123 rms=0.10
 Locality: Hidas
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	10.8	117	Pg	18:21:54.10	0.02
			Sg	21:55.98	-0.01
MORH	10.8	114	Pg	18:21:54.06	-0.03
			Sg	21:55.98	-0.01
PKB4	27.6	14	Pg	18:21:56.92	0.13
			Sg	22:00.75	-0.06
KOVH	37.2	240	Pg	18:21:58.48	0.04
			Sg	22:03.65	-0.10
PKS9	41.1	334	Sg	18:22:04.90	-0.08
PKB3	55.5	70	Sg	18:22:08.26	-1.22*

1462.

2023-10-05 time: 18:41:06.61 UTC ML= 0.1
 lat: 46.246N lon: 18.520E h= 9.4 km
 erh= 0.4km erz= 0.8km
 nr= 7 gap=131 rms=0.04
 Locality: Cikó
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	10.1	112	Pg	18:41:09.10	0.04
			Sg	41:10.93	-0.05
MORH	10.1	110	Pg	18:41:09.10	0.03
			Sg	41:10.97	-0.02
PKB4	28.5	13	Sg	18:41:16.14	-0.01
KOVH	36.9	242	Pg	18:41:13.36	-0.05
			Sg	41:18.76	0.04

1463.

2023-10-05 time: 19:00:47.13 UTC ML= 0.5
 lat: 46.248N lon: 18.526E h= 10.0 km
 erh= 0.6km erz= 1.1km
 nr= 8 gap=131 rms=0.08
 Locality: Cikó
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	9.8	114	PgU	19:00:49.70	0.08
			Sg	00:51.48	-0.09
MORH	9.8	111	Pg	19:00:49.73	0.10
			Sg	00:51.48	-0.10
PKB4	28.2	12	Pg	19:00:52.52	0.04

sta	dist	azm	phase	hr mn sec	res
KOVH	37.4	242	Pg	19:00:53.95	-0.09
			Sg	00:59.45	0.02

1464.

2023-10-06 time: 7:38:20.53 UTC ML= 1.5
 lat: 46.494N lon: 16.334E h= 10.0 km
 erh= 2.9km erz= 2.8km
 nr= 8 gap=131 rms=0.45
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	8.2	232	Pg	7:38:22.68	-0.16
			Sg	38:24.60	-0.04
RCF6	33.9	238	Sg	7:38:32.03	0.28
BEHE	34.0	94	Pg	7:38:26.69	-0.17
			Sg	38:31.60	-0.19
PTJ	72.1	204	Pg	7:38:34.19	0.66
CRES	100.5	222	Sg	7:38:50.93	-1.70
ARSA	104.4	324	S*	7:38:53.75	-0.05

1465.

2023-10-06 time: 7:52:09.38 UTC ML= 1.0
 lat: 45.971N lon: 18.550E h= 0.6 km
 erh= 1.6km erz=53.0km
 nr= 9 gap=233 rms=0.23
 Locality: Babarc
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	24.8	248	Pg	7:52:13.86	0.04
			Sg	52:17.08	-0.20
PKSM	27.7	15	Pg	7:52:14.19	-0.14
			Sg	52:18.50	0.31
MORH	28.2	15	Pg	7:52:14.27	-0.15
			Sg	52:18.06	-0.28
KOVH	37.2	291	Sg	7:52:21.33	0.12
PKB4	58.6	4	Sg	7:52:27.80	-0.20
PKB1	92.3	12	Pg	7:52:26.30	0.43

1466.

2023-10-06 time: 7:55:51.37 UTC ML= 1.4
 lat: 48.520N lon: 17.480E h= 0.0 km
 erh= 2.4km erz= 363km
 nr= 7 gap=202 rms=0.24
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.9	260	Pg	7:55:51.67	-0.39
			Sg	55:52.93	0.34
MODS	22.1	223	Pg	7:55:55.35	0.03
			Sg	55:58.95	0.55
JAVC	40.2	20	Pg	7:55:58.56	0.01
			Sg	56:04.20	0.04
RONA	126.8	224	Pg	7:56:13.96	-0.06

1467.

2023-10-06 time: 7:57:44.08 UTC ML= 1.4
 lat: 48.077N lon: 20.677E h= 0.0 km
 erh= 3.3km erz= 671km
 nr= 5 gap=193 rms=0.31
 Locality: Bükkszentlászló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.3	342	Pg	7:57:53.00	0.47
			Sg	57:58.80	-0.33
ABAH	48.4	60	Pg	7:57:52.69	-0.03

Földrengés paraméterek

Hypocenter Parameters

PSZ 61.0 253 Sg 57:59.26 -0.19
 PSZ 61.0 253 Sg 7:58:03.18 -0.31

1468.

2023-10-06 time: 8:13:01.00 UTC ML= 2.1
 lat: 47.886N lon: 20.152E h= 0.0 km
 erh= 3.6km erz= 3.3km
 nr= 11 gap=186 rms=0.80
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.6	281	Pg	8:13:05.31	0.82
			Sg	13:07.50	0.28
PENC	66.0	261	Pg	8:13:12.98	0.20
			Sg	13:21.27	-0.71
KECS	70.9	20	Sg	8:13:23.58	0.04
ABAH	93.0	61	Pg	8:13:17.79	0.19
			Sg	13:29.84	-0.71
PKSG	143.3	247	Sn	8:13:42.48	-2.84
LANS	149.4	340	Sn	8:13:44.67	-2.01
PKST	173.9	246	Pn	8:13:30.59	0.87
			Sn	13:51.40	-0.72

1469.

2023-10-06 time: 8:43:03.93 UTC ML= 1.3
 lat: 47.980N lon: 16.085E h= 0.0 km
 erh= 1.3km erz= 2.8km
 nr= 8 gap=120 rms=0.35
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.7	251	Pg	8:43:07.09	0.00
			Sg	43:09.91	0.37
RONA	34.9	153	Pg	8:43:09.75	-0.42
			Sg	43:15.23	0.20
MODS	98.9	64	Sg	8:43:36.17	0.80
KRUC	122.5	11	Pg	8:43:25.87	0.06
			Sg	43:42.78	-0.09
VRAC	152.4	14	Sn	8:43:49.71	-0.57

1470.

2023-10-06 time: 8:51:12.37 UTC ML= 2.0
 lat: 48.333N lon: 18.239E h= 0.0 km
 erh= 4.8km erz= 5.6km
 nr= 11 gap=128 rms=1.13
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	63.3	289	Pg	8:51:23.84	0.18
			Sg	51:32.20	-0.27
MODS	71.4	274	Pg	8:51:27.13	2.01
			Sg	51:33.68	-1.38
JAVC	72.0	324	Pg	8:51:25.72	0.49
			Sg	51:34.04	-1.21
PKST	120.4	187	Sg	8:51:50.46	-0.16
PSZ	131.6	110	Sn	8:51:53.56	-0.53
MPLH	139.5	202	Sn	8:51:54.31	-1.54
MORC	168.5	342	Pn	8:51:41.06	0.65
			Sn	51:59.84	-2.44

1471.

2023-10-06 time: 10:01:50.46 UTC ML= 2.0
 lat: 48.425N lon: 22.650E h= 0.0 km
 erh= 5.6km erz= 4.8km
 nr= 8 gap=177 rms=0.93
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TRPA	33.8	194	Sg	10:02:01.09	-0.12
KOLS	62.9	334	Sg	10:02:10.83	0.37
ABAH	105.5	262	Pg	10:02:10.12	0.82
			Sg	02:22.96	-1.04
KWP	134.2	2	Sn	10:02:31.18	-1.58
KECS	160.2	272	Pn	10:02:18.57	1.10
			Sn	02:37.36	-1.18
DRGR	181.7	179	Sn	10:02:42.68	-0.62

1472.

2023-10-06 time: 10:37:01.35 UTC ML= 1.5
 lat: 47.610N lon: 18.415E h= 0.0 km
 erh= 2.5km erz= 2.4km
 nr= 11 gap=199 rms=0.47
 Locality: Vértesszőlős
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	24.3	184	Pg	10:37:06.15	0.45
			Sg	37:08.81	-0.28
CSKK	29.8	203	Pg	10:37:07.25	0.57
			Sg	37:10.77	-0.06
BUD	48.0	107	Sg	10:37:16.48	-0.12
PKST	48.4	216	Sg	10:37:16.48	-0.27
MPLH	82.2	233	Pg	10:37:16.25	0.22
			Sg	37:25.87	-1.61
PSZ	116.1	73	Sg	10:37:37.85	-0.41
MORH	156.0	174	Sn	10:37:48.02	-0.47
PKSM	156.4	174	Sn	10:37:48.02	-0.57

1473.

2023-10-07 time: 12:59:24.14 UTC ML= 2.2
 lat: 47.855N lon: 16.162E h= 6.9 km
 erh= 1.9km erz= 1.8km
 nr= 35 gap= 52 rms=1.05
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.0	150	PgU	12:59:27.29	-0.62
			Sg	59:30.33	-0.52
CONA	23.9	290	Pg	12:59:28.70	0.11
			Sg	59:32.81	0.75
WINA	28.9	347	Pg	12:59:30.27	0.83
			Sg	59:34.98	1.41
SOP	35.3	123	Pg	12:59:29.96	-0.60
			Sg	59:34.42	-1.15
ARSA	82.6	216	Pg	12:59:37.65	-1.30
			Sg	59:47.53	-2.97
EGYH	100.5	119	Pg	12:59:43.14	1.02
			Sg	59:56.43	0.28
MODS	101.1	55	Pg	12:59:42.20	-0.04
			Sg	59:55.38	-0.97
ABNA	105.6	329	Pg	12:59:42.43	-0.61
			Sg	59:55.46	-2.33
SMOL	119.3	52	Sn	12:60:00.78	-0.79
MPLH	128.7	126	Pn	12:59:46.90	0.56
			Sn	13:00:01.92	-1.73
KRUC	135.3	7	Pn	12:59:47.05	-0.11
			Sn	13:00:03.68	-1.44
MOA	141.9	270	Pn	12:59:48.07	0.08
			Sn	13:00:05.76	-0.83
PKST	155.7	115	Sn	12:60:08.65	-1.00
SOKA	156.3	213	Pn	12:59:50.60	0.82
PERS	157.0	210	Pn	12:59:50.99	1.13
JAVC	158.0	45	Pn	12:59:52.08	2.09
GROS	162.9	198	Pn	12:59:51.68	1.08
			Sn	13:00:11.27	0.03
VRAC	164.7	11	Pn	12:59:50.76	-0.07
			Sn	13:00:11.42	-0.23
PKSG	175.2	107	Sn	12:60:17.11	3.13

Hypocenter Parameters

BIOA 190.1 265 Pn 12:59:55.50 1.51
 Sn 13:00:16.57 -0.70
 PTJ 217.9 184 Pn 12:59:59.75 2.29

1474.

2023-10-07 time: 20:00:25.73 UTC ML= 0.5
 lat: 47.225N lon: 18.132E h= 11.6 km
 erh= 1.7km erz= 1.4km
 nr= 10 gap=116 rms=0.22
 Locality: Várpalota
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	8.3	297	PgU	20:00:28.46			0.18
			Sg	00:30.07			-0.19
CSKK	18.1	32	Pg	20:00:29.29			-0.28
			Sg	00:32.73			0.16
PKSG	26.9	47	Pg	20:00:31.09			0.13
			Sg	00:35.17			0.13
PKB1	70.2	134	Pg	20:00:38.42			-0.01
MORH	118.9	161	Sn	20:01:01.88			-0.12
PKSM	119.2	161	Sn	20:01:01.63			-0.45
KOVH	126.4	181	Sn	20:01:04.20			0.52

1475.

2023-10-08 time: 15:45:11.56 UTC ML= 1.7
 lat: 46.206N lon: 19.891E h= 10.0 km
 erh= 2.4km erz= 2.1km
 nr= 13 gap=270 rms=0.41
 Locality: Mórahalom
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKS6	50.5	330	Pg	15:45:20.92			0.17
			Sg	45:27.84			-0.07
PKB3	58.8	294	Pg	15:45:22.65			0.44
			Sg	45:30.54			0.01
PKS2	61.1	301	Sg	15:45:31.36			0.12
PKSN	76.9	359	Pg	15:45:24.80			-0.60
			Sg	45:36.02			-0.18
MORH	96.2	271	Pg	15:45:29.32			0.49
			Sg	45:42.06			-0.25
PKSM	96.4	270	Pg	15:45:28.86			-0.01
			Sg	45:41.87			-0.50
PKB4	104.2	288	S*	15:45:44.12			-0.66
FRGS	119.1	183	Sn	15:45:42.89			-5.35*
PSZ	190.4	0	Sn	15:46:05.09			1.03

1476.

2023-10-09 time: 6:47:48.06 UTC ML= 1.1
 lat: 48.075N lon: 20.697E h= 0.0 km
 erh= 5.1km erz= 8.1km
 nr= 6 gap=166 rms=0.94
 Locality: Miskolctapolca
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	47.2	59	Pg	6:47:57.30			0.80
			Sg	48:02.63			-0.45
KECS	48.0	341	Pg	6:47:57.37			0.73
			Sg	48:02.16			-1.16
PSZ	62.4	254	Sg	6:48:07.72			-0.17
TRPA	137.3	87	Sn	6:48:28.91			-2.16

Földrengés paraméterek

1477.

2023-10-09 time: 7:55:03.53 UTC ML= 1.5
 lat: 48.891N lon: 21.056E h= 0.0 km
 erh= 2.8km erz= 6.1km
 nr= 9 gap=155 rms=0.79
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	60.1	13	Pg	7:55:14.50			0.24
			Sg	55:21.85			-0.78
KECS	61.8	223	Pg	7:55:15.91			1.34
			Sg	55:22.59			-0.58
ABAH	67.5	168	Sg	7:55:24.47			-0.52
NIE	79.9	317	Sg	7:55:28.82			-0.11
LANS	119.7	284	Pg	7:55:25.21			0.30
			Sg	55:41.10			-0.48
PSZ	138.1	218	Sn	7:55:44.85			-1.87

1478.

2023-10-09 time: 8:02:35.19 UTC ML= 1.4
 lat: 48.522N lon: 20.786E h= 0.0 km
 erh= 8.7km erz= ***km
 nr= 5 gap=228 rms=0.56
 Locality: Tornaszentandrás
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	22.6	259	Pg	8:02:39.54			0.32
			Sg	02:42.34			-0.03
ABAH	41.9	127	Pg	8:02:42.18			-0.49
			Sg	02:49.66			1.14
PSZ	94.3	225	Sg	8:03:04.57			-0.59

1479.

2023-10-09 time: 8:27:27.89 UTC ML= 1.8
 lat: 48.348N lon: 19.865E h= 0.0 km
 erh= 3.2km erz= 845km
 nr= 7 gap=165 rms=0.55
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	47.9	177	Pg	8:27:36.73			0.29
			Sg	27:42.52			-0.58
KECS	48.4	72	Pg	8:27:37.16			0.63
			Sg	27:43.19			-0.07
LANS	93.9	342	Sg	8:27:57.09			-0.64
ABAH	102.1	93	Pg	8:27:46.32			0.19
			Sg	27:59.07			-1.28

1480.

2023-10-09 time: 8:50:07.32 UTC ML= 1.2
 lat: 47.274N lon: 18.373E h= 0.0 km
 erh= 2.6km erz= 747km
 nr= 8 gap=164 rms=0.54
 Locality: Sárkeresztés
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	13.1	319	Pg	8:50:09.65			-0.01
			Sg	50:10.34			-1.14
PKSG	13.2	6	Pg	8:50:10.11			0.44
			Sg	50:11.03			-0.47
PKST	25.7	266	Pg	8:50:12.62			0.71
			Sg	50:15.52			0.03
MORH	119.5	170	Sg	8:50:44.86			-0.43
PKSM	119.9	170	Sg	8:50:44.86			-0.56

Földrengés paraméterek

Hypocenter Parameters

1481.

2023-10-09 time: 8:58:34.58 UTC ML= 1.3
 lat: 47.286N lon: 18.376E h= 0.0 km
 erh= 2.8km erz= 802km
 nr= 8 gap=165 rms=0.57
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.8	5	PgU	8:58:37.26	0.57
			Sg	58:38.20	-0.13
CSKK	12.2	315	Pg	8:58:36.56	-0.20
			Sg	58:37.14	-1.32
PKST	26.0	263	Pg	8:58:39.76	0.54
			Sg	58:43.14	0.30
MORH	120.7	170	Sg	8:59:12.70	-0.25
PKSM	121.1	170	Sg	8:59:12.16	-0.92

1482.

2023-10-09 time: 10:51:28.64 UTC ML= 1.5
 lat: 48.499N lon: 19.362E h= 0.0 km
 erh= 3.6km erz= 4.3km
 nr= 15 gap= 57 rms=1.20
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	72.9	6	Pg	10:51:42.36	0.70
			Sg	51:50.51	-1.31
PSZ	75.7	148	Pg	10:51:43.11	0.95
			Sg	51:52.02	-0.69
PENC	79.0	184	Sg	10:51:53.20	-0.54
KECS	83.1	91	Pg	10:51:44.59	1.11
			Sg	51:54.70	-0.35
NIE	123.8	34	Pg	10:51:52.37	1.62
			Sg	52:05.14	-2.85
JAVC	130.8	288	Sn	10:52:08.23	-1.97
ABAH	140.9	99	Sn	10:52:11.14	-1.29
CSKK	150.7	213	Sn	10:52:13.17	-1.44
MODS	154.9	265	Sn	10:52:15.04	-0.50
PKST	169.9	216	Sn	10:52:19.26	0.39
MORC	194.5	317	Sn	10:52:25.17	0.84

1483.

2023-10-09 time: 10:52:48.22 UTC ML= 1.8
 lat: 48.493N lon: 19.346E h= 0.0 km
 erh= 2.6km erz= 3.2km
 nr= 20 gap= 56 rms=1.24
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	73.7	7	Sg	10:53:09.86	-1.78
PSZ	75.8	147	Pg	10:53:02.85	1.09
			Sg	53:11.85	-0.46
PENC	78.3	184	Sg	10:53:13.06	-0.04
KECS	84.2	91	Pg	10:53:04.42	1.15
			Sg	53:13.58	-1.42
SRO	107.8	225	Sg	10:53:22.16	-0.33
BUD	114.8	192	Sg	10:53:22.81	-1.90
NIE	125.0	35	Pg	10:53:12.00	1.46
			Sg	53:25.82	-2.12
JAVC	130.0	288	Pg	10:53:13.33	1.90
			Sg	53:29.06	-0.47
SMOL	141.7	271	Sn	10:53:31.94	-0.26
PKSG	141.7	210	Sn	10:53:30.69	-1.51
ABAH	141.9	99	Pn	10:53:13.72	0.77
			Sn	53:30.39	-1.85
CSKK	149.6	213	Sn	10:53:33.04	-0.90
MODS	153.7	265	Sn	10:53:34.22	-0.63
PKST	168.7	216	Sn	10:53:38.20	0.01
MORC	194.2	317	Sn	10:53:44.37	0.52

1484.

2023-10-09 time: 11:55:46.39 UTC ML= 1.5
 lat: 48.633N lon: 21.338E h= 0.0 km
 erh= 3.8km erz= 3.7km
 nr= 11 gap=196 rms=0.78
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	38.2	191	Pg	11:55:53.46	0.25
			Sg	55:58.12	-0.42
KECS	65.1	255	Pg	11:55:58.75	0.73
			Sg	56:07.29	0.20
STHS	87.4	355	Pg	11:56:01.98	-0.02
			Sg	56:11.48	-2.69
NIE	115.1	319	Pg	11:56:07.10	0.15
			Sg	56:22.52	-0.46
PSZ	133.4	233	Sn	11:56:26.90	-1.63
LANS	148.7	293	Pn	11:56:12.98	1.01
			Sn	56:30.81	-1.11

1485.

2023-10-09 time: 18:39:44.71 UTC ML= 1.8
 lat: 48.860N lon: 21.602E h= 0.0 km
 erh= 2.5km erz= 6.6km
 nr= 10 gap= 73 rms=0.78
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	49.9	81	Pg	18:39:54.46	0.84
			Sg	40:00.45	-0.13
STHS	67.2	337	Pg	18:39:57.06	0.34
			Sg	40:05.76	-0.32
ABAH	68.1	203	Sg	18:40:05.12	-1.24
TRPA	106.7	139	Pg	18:40:03.77	0.01
			Sg	40:18.17	-0.44
NIE	112.7	303	Sg	18:40:19.67	-0.87
KWP	117.7	43	Sg	18:40:19.86	-2.26
PSZ	164.1	230	Pn	18:40:13.09	0.88

1486.

2023-10-10 time: 7:59:58.54 UTC ML= 1.4
 lat: 47.931N lon: 19.416E h= 0.0 km
 erh= 5.0km erz= 807km
 nr= 7 gap=180 rms=0.53
 Locality: Szanda
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	18.6	213	Pg	8:00:01.82	-0.04
			Sg	00:03.95	-0.50
PSZ	35.8	92	Pg	8:00:05.70	0.77
			Sg	00:09.49	-0.43
PKSG	97.6	232	Pg	8:00:16.14	0.17
KECS	100.4	52	Pg	8:00:16.46	-0.02
			Sg	00:28.74	-1.73

1487.

2023-10-10 time: 8:26:21.47 UTC ML= 1.5
 lat: 47.977N lon: 19.365E h= 0.0 km
 erh= 4.6km erz= 5.9km
 nr= 13 gap=108 rms=1.04
 Locality: Cserhátaláp
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	21.6	197	Sg	8:26:29.72	1.38
PSZ	40.1	99	Pg	8:26:29.40	0.77

Hypocenter Parameters

Földrengés paraméterek

		Sg	26:34.10	-0.11
BUD	60.5 205	Sg	8:26:39.65	-1.05
PBUD	62.7 205	Sg	8:26:40.90	-0.50
PKSG	97.9 228	Pg	8:26:40.44	1.49
		Sg	26:52.32	-0.26
KECS	100.5 56	Sg	8:26:51.54	-1.89
CSKK	107.4 231	Sg	8:26:54.67	-0.94
PKST	128.0 231	Sg	8:27:00.77	-1.37
JAVC	159.3 308	Sn	8:27:08.71	-0.63
MODS	161.4 286	Sn	8:27:09.65	-0.17
MPLH	164.0 237	Sn	8:27:11.06	0.66

1488.

2023-10-10 time: 10:02:32.02 UTC ML= 0.6
 lat: 47.260N lon: 18.251E h= 0.0 km
 erh= 2.6km erz= 345km
 nr= 6 gap=234 rms=0.21
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.5	4	Pg	10:02:34.36	0.28
			Sg	02:35.88	0.20
PKST	16.4	270	Pg	10:02:34.91	-0.04
			Sg	02:37.01	-0.23
PKSG	18.1	36	Pg	10:02:35.22	-0.03
			Sg	02:37.34	-0.43

1489.

2023-10-10 time: 11:16:37.19 UTC ML= 2.0
 lat: 47.322N lon: 18.417E h= 0.0 km
 erh= 1.9km erz= 2.7km
 nr= 25 gap= 79 rms=1.04
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.0	346	PgU	11:16:39.05	0.44
			Sg	16:39.50	-0.23
CSKK	12.7	291	Pg	11:16:40.36	0.91
			Sg	16:41.67	0.46
PKST	29.8	256	Sg	11:16:46.14	-0.51
PBUD	47.7	70	Sg	11:16:51.93	-0.42
BUD	49.2	69	Sg	11:16:52.79	-0.04
MPLH	68.5	256	Pg	11:16:49.35	-0.08
			Sg	16:57.87	-1.10
PKB3	116.1	149	Sg	11:17:12.63	-1.47
MORH	124.2	172	Pg	11:17:00.52	1.16
			Sg	17:15.20	-1.46
PKSM	124.6	172	Pg	11:17:00.68	1.24
			Sg	17:15.51	-1.28
PSZ	129.4	59	Pg	11:17:00.60	0.32
			Sg	17:16.76	-1.54
KOVH	139.3	190	Sn	11:17:21.46	0.84
MODS	144.7	324	Sn	11:17:18.64	-3.19
SOP	145.7	286	Sn	11:17:20.44	-1.60
PKSV	159.9	185	Sn	11:17:24.74	-0.45
RONA	165.2	285	Pn	11:17:05.15	0.34
			Sn	17:24.74	-1.62
JAVC	179.7	342	Sn	11:17:30.84	1.25
CONA	203.6	289	Pn	11:17:12.73	3.13
			Sn	17:34.43	-0.45

1490.

2023-10-10 time: 11:22:11.21 UTC ML= 1.1
 lat: 47.867N lon: 16.055E h= 0.0 km
 erh= 1.5km erz= 2.5km
 nr= 7 gap=125 rms=0.82
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.0	295	Pg	11:22:14.60	0.54
			Sg	22:16.80	0.52
RONA	26.0	136	Pg	11:22:16.56	0.71
			Sg	22:19.69	0.22
ARSA	79.4	210	Sg	11:22:35.26	-1.18
KRUC	135.2	11	Pn	11:22:34.77	-0.34
			Sn	22:51.54	-2.21

1491.

2023-10-10 time: 12:07:05.92 UTC ML= 1.4
 lat: 47.325N lon: 18.470E h= 0.0 km
 erh= 2.3km erz= 750km
 nr= 9 gap=115 rms=0.56
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.5	321	Pg	12:07:08.01	0.38
			Sg	07:08.60	-0.36
CSKK	16.4	285	Pg	12:07:09.30	0.45
			Sg	07:10.43	-0.70
PKST	33.8	257	Pg	12:07:12.54	0.59
			Sg	07:15.57	-1.08
MORH	124.0	174	Sg	12:07:45.43	0.09
PKSM	124.4	174	Sg	12:07:45.12	-0.36
PSZ	125.8	58	Sg	12:07:45.12	-0.79

1492.

2023-10-10 time: 19:16:11.02 UTC ML= 1.1
 lat: 46.341N lon: 17.982E h= 12.9 km
 erh= 1.3km erz= 1.9km
 nr= 15 gap=192 rms=0.34
 Locality: Mosdós
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	29.5	162	Pg	19:16:17.11	0.33
			Sg	16:21.67	0.39
PKB4	50.8	70	Pg	19:16:20.38	-0.01
			Sg	16:27.54	-0.16
PKSM	52.8	106	Pg	19:16:20.67	-0.07
			Sg	16:28.12	-0.19
MORH	52.9	105	Pg	19:16:20.45	-0.30
			Sg	16:28.36	0.02
PKSV	54.5	157	Sg	19:16:28.30	-0.52
TIH	62.5	354	Pg	19:16:22.31	-0.11
			Sg	16:30.94	-0.37
PKB5	64.4	64	Sg	19:16:33.11	1.20
PKB1	79.3	52	Pg	19:16:25.31	-0.06
PKST	102.1	2	P*	19:16:29.81	0.72
			S*	16:42.88	-0.31

1493.

2023-10-10 time: 21:09:37.07 UTC ML= 1.0
 lat: 45.835N lon: 17.940E h= 14.3 km
 erh= 4.7km erz= 2.9km
 nr= 9 gap=221 rms=0.41
 Locality: Lúzsok
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	25.0	76	Sg	21:09:47.06	0.84
KOVH	30.8	24	PgD	21:09:42.91	-0.23
			Sg	09:48.27	0.41
PKSM	68.6	52	Pg	21:09:49.33	-0.26
			Sg	09:59.11	-0.24
MORH	69.1	52	Pg	21:09:49.31	-0.36
			Sg	09:59.46	-0.03
PKB4	89.7	35	P*	21:09:53.54	0.42
KOGS	147.3	298	Sn	21:10:15.78	-3.26*

Földrengés paraméterek

Hypocenter Parameters

1494.

2023-10-11 time: 8:27:24.23 UTC ML= 2.0
 lat: 45.787N lon: 16.911E h= 10.0 km
 erh= 3.1km erz= 2.4km
 nr= 20 gap=188 rms=0.78
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	75.1	280	Pg	8:27:37.58	-0.18
			Sg	27:46.65	-1.65
BEHE	76.6	352	Pg	8:27:39.15	1.11
			Sg	27:48.69	-0.11
KOGS	89.5	325	Pg	8:27:41.03	0.72
			Sg	27:52.21	-0.64
RCF6	95.4	310	Pg	8:27:41.72	0.36
			Sg	27:53.80	-0.93
KOVH	98.1	70	Pg	8:27:41.65	-0.20
			Sg	27:53.79	-1.79
PKSV	104.8	84	P*	8:27:42.64	-0.35
			S*	27:54.51	-3.11
CRES	113.1	272	Pn	8:27:44.26	0.17
			Sn	27:58.30	-1.28
GROS	132.2	305	Pn	8:27:46.83	0.36
			Sn	28:03.70	-0.11
PKSM	142.1	71	Pn	8:27:48.78	1.07
			Sn	28:05.76	-0.27
MORH	142.5	70	Pn	8:27:48.54	0.78
			Sn	28:06.00	-0.10

1495.

2023-10-11 time: 8:55:09.00 UTC ML= 1.4
 lat: 48.613N lon: 20.785E h= 0.0 km
 erh= 2.1km erz= 698km
 nr= 8 gap=116 rms=0.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.4	237	Pg	8:55:14.21	0.49
			Sg	55:16.87	-0.54
ABAH	48.7	136	Pg	8:55:18.04	0.33
			Sg	55:24.07	-0.43
STHS	95.4	21	Sg	8:55:39.10	-0.23
			Sg	8:55:40.97	-0.37
LANS	113.6	302	Pg	8:55:29.66	0.37
			Sg	55:43.80	-1.31

1496.

2023-10-11 time: 9:18:21.31 UTC ML= 1.6
 lat: 48.350N lon: 19.847E h= 0.0 km
 erh= 4.8km erz= ***km
 nr= 9 gap=167 rms=1.10
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	48.2	176	Pg	9:18:30.04	0.13
			Sg	18:36.34	-0.28
KECS	49.5	73	Pg	9:18:31.45	1.29
			Sg	18:36.22	-0.84
LANS	93.2	343	Pg	9:18:37.75	-0.21
			Sg	18:49.18	-1.77
ABAH	103.5	93	Sg	9:18:51.85	-2.35
			Pg	9:18:44.83	1.44
NIE	123.7	16	Pg	9:18:44.83	1.44
			Sg	19:00.41	-0.21

1497.

2023-10-11 time: 9:47:06.51 UTC ML= 1.3
 lat: 47.865N lon: 16.025E h= 0.0 km
 erh= 3.3km erz= 4.6km
 nr= 9 gap= 91 rms=1.12
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.1	300	Pg	9:47:10.06	1.04
			Sg	47:11.94	0.97
RONA	27.5	132	Pg	9:47:12.17	0.76
			Sg	47:15.84	0.61
ARSA	78.1	209	Sg	9:47:30.20	-1.13
			Sg	9:47:39.80	-1.37
MODS	109.1	59	Sg	9:47:39.80	-1.37
			Pn	9:47:30.75	0.27
KRUC	135.8	12	Pn	9:47:30.75	0.27
			Sn	47:46.60	-2.57
PERS	153.0	207	Sn	9:47:51.59	-1.39

1498.

2023-10-11 time: 10:23:58.34 UTC ML= 1.8
 lat: 45.822N lon: 16.947E h= 10.0 km
 erh= 4.8km erz= 3.3km
 nr= 11 gap=198 rms=0.73
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	73.2	350	Sg	10:24:22.69	0.86
			Pg	10:24:14.58	0.43
KOGS	88.0	322	Pg	10:24:14.58	0.43
			Sg	24:25.89	-0.59
KOVH	94.2	72	Pg	10:24:14.79	-0.46
			Sg	24:27.14	-1.30
RCF6	95.2	307	Sg	10:24:27.97	-0.79
			Sn	10:24:33.13	-1.15
CRES	115.8	270	Sn	10:24:33.13	-1.15
			Pn	10:24:22.13	0.80
PKSM	138.2	72	Pn	10:24:22.13	0.80
			Sn	24:39.22	-0.04
MORH	138.5	72	Pn	10:24:22.22	0.85
			Sn	24:39.53	0.19

1499.

2023-10-11 time: 11:43:00.10 UTC ML= 1.8
 lat: 45.838N lon: 16.921E h= 10.0 km
 erh= 4.7km erz= 3.0km
 nr= 13 gap=182 rms=0.74
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	85.4	323	Sg	11:43:27.55	0.11
			Sg	11:43:29.54	-0.16
RCF6	92.6	307	Sg	11:43:29.54	-0.16
			Pg	11:43:17.55	0.30
KOVH	95.5	73	Pg	11:43:17.55	0.30
			Sg	43:29.50	-1.13
PKSV	103.5	87	P*	11:43:18.65	-0.01
			S*	43:30.82	-2.31
CRES	113.8	269	Pn	11:43:19.86	-0.19
			Sn	43:34.26	-1.35
GROS	129.7	302	Sn	11:43:38.83	-0.31
			Pn	11:43:24.23	0.97
PKSM	139.5	73	Pn	11:43:24.23	0.97
			Sn	43:41.44	0.12
MORH	139.9	73	Pn	11:43:24.31	1.01
			Sn	43:41.60	0.21

1500.

2023-10-11 time: 14:09:58.73 UTC ML= 1.9
 lat: 45.806N lon: 16.930E h= 10.0 km
 erh= 2.3km erz= 2.0km
 nr= 22 gap=101 rms=0.80
 Locality: Croatia
 Comments:

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
BEHE	74.8	351	Sg	14:10:23.58	0.88
PTJ	76.2	278	Pg	14:10:11.84	-0.61
			Sg	10:23.27	0.12
KOGS	88.6	324	Pg	14:10:15.08	0.43
			Sg	10:26.23	-0.84
RCF6	95.2	308	Sg	14:10:28.22	-0.94
KOVH	96.0	71	Pg	14:10:16.14	0.17
			Sg	10:27.64	-1.77
PKSV	103.1	85	P*	14:10:16.99	-0.24
			S*	10:29.16	-2.50
CRES	114.5	271	Pn	14:10:18.66	-0.10
			Sn	10:33.20	-1.18
BLY	119.2	170	Pn	14:10:20.12	0.77
			Sn	10:35.32	-0.11
GROS	132.2	303	Sn	14:10:37.35	-0.96
PKSM	140.0	71	Pn	14:10:22.95	1.01
			Sn	10:40.32	0.27
MORH	140.4	71	Pn	14:10:22.91	0.92
			Sn	10:39.27	-0.86
PKB4	150.4	59	Sn	14:10:43.68	1.33
PERS	167.5	303	Sn	14:10:46.67	0.51
SOKA	175.5	304	Sn	14:10:48.81	0.89

1501.

2023-10-11 time: 15:03:22.14 UTC ML= 2.1
 lat: 45.785N lon: 16.906E h= 10.0 km
 erh= 4.4km erz= 3.4km
 nr= 14 gap=189 rms=0.95
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	74.7	280	Sg	15:03:45.16	-0.93
BEHE	76.8	352	Sg	15:03:47.47	0.72
KOGS	89.4	325	Sg	15:03:50.55	-0.18
KOVH	98.6	70	Pg	15:03:39.61	-0.22
			Sg	03:51.72	-1.91
PKSV	105.3	84	S*	15:03:53.24	-2.40
CRES	112.7	272	Pn	15:03:42.16	0.21
			Sn	03:56.37	-1.03
GROS	132.0	305	Pn	15:03:44.42	0.07
			Sn	04:01.48	-0.19
PKSM	142.6	71	Pn	15:03:46.96	1.29
			Sn	04:04.29	0.26
MORH	142.9	70	Pn	15:03:47.12	1.40
			Sn	04:04.48	0.37

1502.

2023-10-11 time: 15:15:22.92 UTC ML= 1.9
 lat: 45.784N lon: 16.929E h= 10.0 km
 erh= 4.4km erz= 3.6km
 nr= 15 gap=189 rms=0.98
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	76.5	280	Pg	15:15:36.26	-0.44
			Sg	15:45.42	-2.03
BEHE	77.2	351	Sg	15:15:48.62	0.97
KOGS	90.6	325	Pg	15:15:39.84	0.65
			Sg	15:51.52	-0.36
RCF6	96.7	309	Sg	15:15:53.05	-0.77
KOVH	96.9	70	Pg	15:15:40.72	0.41
			Sg	15:52.38	-1.50
PKSV	103.5	84	S*	15:15:53.82	-2.11
CRES	114.5	272	Pn	15:15:43.50	0.55
			Sn	15:57.31	-1.27
PKSM	140.9	70	Pn	15:15:47.53	1.29
			Sn	16:04.43	-0.01
MORH	141.3	70	Pn	15:15:47.32	1.03
			Sn	16:04.75	0.23

1503.

2023-10-11 time: 15:17:33.38 UTC ML= 1.9
 lat: 45.771N lon: 16.943E h= 8.8 km
 erh= 2.9km erz= 2.5km
 nr= 14 gap=102 rms=0.67
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	78.8	351	Sg	15:17:58.89	0.31
KOGS	92.4	325	Pg	15:17:50.44	0.49
			Sg	18:01.32	-1.55
KOVH	96.4	69	Pg	15:17:50.93	0.26
			Sg	18:02.96	-1.19
PKSV	102.6	83	Pg	15:17:51.85	0.09
			Sg	18:04.76	-1.34
BLY	115.2	171	Sn	15:18:08.67	-0.79
CRES	115.7	273	Pn	15:17:53.49	-0.23
			Sn	18:08.99	-0.59
PKSM	140.4	70	Pn	15:17:57.64	0.84
			Sn	18:15.09	0.03
MORH	140.8	69	Pn	15:17:57.56	0.72
			Sn	18:15.17	0.03

1504.

2023-10-11 time: 16:22:41.87 UTC ML= 2.2
 lat: 45.768N lon: 16.936E h= 7.7 km
 erh= 2.3km erz= 1.9km
 nr= 25 gap=103 rms=0.80
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	77.4	281	Pg	16:22:55.64	-0.12
			Sg	23:06.30	-0.29
BEHE	79.0	351	Pg	16:22:57.37	1.32
			Sg	23:07.36	0.25
KOGS	92.3	325	Pg	16:22:58.61	0.19
			Sg	23:09.95	-1.37
KOVH	97.1	68	Pg	16:22:59.62	0.36
			Sg	23:11.63	-1.19
RCF6	98.3	310	Pg	16:22:59.58	0.10
			Sg	23:12.06	-1.14
PKSV	103.2	83	Pg	16:23:00.79	0.44
			Sg	23:13.25	-1.51
BLY	114.9	170	Pn	16:23:03.03	0.78
CRES	115.2	273	Pn	16:23:02.41	0.12
			Sn	23:17.08	-1.13
GROS	135.0	305	Pn	16:23:04.43	-0.33
PKSM	141.1	70	Pn	16:23:04.95	-0.56
			Sn	23:23.57	-0.38
MORH	141.4	69	Pn	16:23:04.91	-0.65
			Sn	23:23.34	-0.69
TIH	145.8	30	Sn	16:23:26.18	1.17
PKB4	152.2	58	Sn	16:23:28.39	1.96
PERS	170.4	304	Pn	16:23:11.92	2.75
			Sn	23:30.36	-0.09
ARSA	197.3	327	Sn	16:23:36.70	0.27

1505.

2023-10-11 time: 17:17:29.73 UTC ML= 1.8
 lat: 45.779N lon: 16.923E h= 10.0 km
 erh= 3.6km erz= 2.8km
 nr= 17 gap=189 rms=0.85
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	76.1	280	Pg	17:17:43.57	0.12
			Sg	17:52.16	-1.98
BEHE	77.6	352	Pg	17:17:44.81	1.10

Földrengés paraméterek

		Sg	17:54.88	0.27	
KOGS	90.7	325	Sg	17:17:57.89	-0.85
KOVH	97.6	69	Pg	17:17:47.33	0.09
		Sg	17:59.21	-1.69	
PKSV	104.0	83	P*	17:17:48.50	0.13
		S*	18:00.75	-2.15	
CRES	114.1	273	Pn	17:17:50.10	0.39
		Sn	18:03.96	-1.34	
GROS	133.4	305	Pn	17:17:52.17	0.04
		Sn	18:09.09	-0.50	
PKSM	141.6	70	Pn	17:17:54.22	1.08
		Sn	18:11.66	0.26	
MORH	141.9	70	Pn	17:17:53.85	0.67
		Sn	18:11.32	-0.16	

1506.

2023-10-11 time: 17:57:59.49 UTC ML= 1.9
 lat: 45.765N lon: 16.916E h= 6.9 km
 erh= 2.2km erz= 1.6km
 nr= 21 gap=191 rms=0.61
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	75.9	281	Pg	17:58:13.01	-0.09
			Sg	58:23.50	-0.22
BEHE	79.1	352	Pg	17:58:14.66	1.00
			Sg	58:24.67	-0.05
KOGS	91.7	326	Pg	17:58:16.06	0.15
			Sg	58:28.16	-0.56
RCF6	97.3	310	Sg	17:58:29.72	-0.77
KOVH	98.6	69	Pg	17:58:17.00	-0.14
			Sg	58:29.72	-1.18
PKSV	104.7	82	Pg	17:58:18.18	-0.05
			Sg	58:30.31	-2.54
CRES	113.7	273	Pn	17:58:19.74	-0.07
			Sn	58:34.18	-1.48
GROS	133.9	305	Pn	17:58:22.81	0.48
			Sn	58:39.54	-0.61
PKSM	142.6	70	Pn	17:58:24.05	0.63
			Sn	58:41.46	-0.62
MORH	143.0	69	Pn	17:58:24.17	0.71
			Sn	58:42.17	0.01
PKB4	153.7	58	Sn	17:58:45.53	0.99
PERS	169.3	305	Sn	17:58:48.14	0.14

1507.

2023-10-11 time: 18:37:54.59 UTC ML= 2.1
 lat: 45.813N lon: 16.932E h= 7.4 km
 erh= 1.8km erz= 1.5km
 nr= 33 gap= 85 rms=0.74
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	72.9	271	Pg	18:38:08.01	0.34
BEHE	74.0	351	Pg	18:38:09.06	1.19
			Sg	38:19.00	0.77
PTJ	76.2	277	Pg	18:38:08.06	-0.20
			Sg	38:18.49	-0.44
KOGS	88.0	323	Pg	18:38:09.95	-0.41
			Sg	38:21.84	-0.83
RCF6	94.8	308	Pg	18:38:12.34	0.77
			Sg	38:23.43	-1.40
KOVH	95.6	71	Pg	18:38:11.94	0.23
			Sg	38:24.22	-0.84
GCIS	101.5	273	iPg	18:38:12.65	-0.11
			eSg	38:26.28	-0.65
PKSV	102.9	85	Pg	18:38:12.89	-0.12
			Sg	38:26.00	-1.38
GOLS	103.8	282	iPg	18:38:12.79	-0.37
CRES	114.6	271	Pn	18:38:14.83	-0.13
			Sn	38:29.93	-0.92

Hypocenter Parameters

CESS	115.4	279	iPn	18:38:15.52	0.47
BLY	119.9	171	Pn	18:38:15.87	0.25
			Sn	38:31.00	-1.03
GROS	131.9	303	Pn	18:38:16.91	-0.20
			Sn	38:33.07	-1.61
PKS9	134.9	50	Sn	18:38:35.67	0.31
BOJS	135.4	255	iPn	18:38:18.14	0.60
PKSM	139.6	72	Pn	18:38:18.70	0.62
			Sn	38:36.86	0.46
MORH	140.0	71	Pn	18:38:17.06	-1.06
			Sn	38:36.04	-0.44
PKB4	149.8	60	Pn	18:38:21.34	1.99
			Sn	38:40.07	1.40
PKB5	164.1	58	Sn	18:38:44.14	2.30
PERS	167.2	303	Sn	18:38:42.32	-0.21

1508.

2023-10-11 time: 18:39:00.72 UTC ML= 2.0
 lat: 45.793N lon: 16.943E h= 8.4 km
 erh= 3.6km erz= 2.9km
 nr= 13 gap=188 rms=0.83
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	76.4	350	Pg	18:39:15.43	0.98
			Sg	39:25.57	0.42
PTJ	77.5	279	Pg	18:39:14.64	0.00
			Sg	39:25.50	0.01
KOGS	90.4	324	Sg	18:39:28.26	-1.33
KOVH	95.5	70	Pg	18:39:18.55	0.70
			Sg	39:30.02	-1.18
PKSV	102.2	84	Sg	18:39:31.75	-1.58
CRES	115.6	272	Pn	18:39:21.14	0.04
			Sn	39:35.44	-1.55
PKSM	139.5	71	Sn	18:39:42.94	0.63
MORH	139.9	70	Sn	18:39:43.18	0.79
PKB4	150.3	59	Sn	18:39:44.65	-0.04

1509.

2023-10-11 time: 19:01:52.09 UTC ML= 1.9
 lat: 45.738N lon: 16.915E h= 3.9 km
 erh= 3.7km erz= 3.9km
 nr= 11 gap=206 rms=0.72
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	82.1	352	Pg	19:02:07.85	1.09
			Sg	02:18.55	0.35
KOGS	94.2	327	Sg	19:02:21.28	-0.76
KOVH	99.8	67	Pg	19:02:09.57	-0.36
			Sg	02:22.53	-1.32
CRES	113.8	275	Pg	19:02:12.54	0.12
			Sg	02:27.37	-0.91
PKSM	143.8	69	Pn	19:02:16.91	0.35
			Sn	02:34.86	-0.78
MORH	144.2	68	Pn	19:02:17.45	0.85
			Sn	02:35.17	-0.55

1510.

2023-10-11 time: 19:50:31.10 UTC ML= 1.7
 lat: 45.833N lon: 16.937E h= 10.0 km
 erh= 3.2km erz= 1.9km
 nr= 10 gap=197 rms=0.49
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	76.4	276	Sg	19:50:56.00	0.42
KOGS	86.6	322	Sg	19:50:58.73	-0.07
KOVH	94.5	72	Pg	19:50:48.04	-0.03

Hypocenter Parameters

		Sg	51:00.10	-1.21
CRES	115.0 270	Pn	19:50:50.93	-0.26
		Sn	51:05.99	-0.88
GROS	131.0 302	Sn	19:51:10.63	0.20
PKSM	138.6 72	Pn	19:50:54.67	0.54
		Sn	51:12.55	0.46
MORH	138.9 72	Sn	19:51:12.63	0.46

1511.

2023-10-11 time: 19:55:12.58 UTC ML= 1.9
 lat: 45.815N lon: 16.941E h= 10.0 km
 erh= 2.8km erz= 2.0km
 nr= 16 gap=199 rms=0.69
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	74.0	350	Sg	19:55:37.37	1.06
PTJ	76.9	277	Pg	19:55:26.94	0.51
			Sg	55:37.09	-0.14
KOGS	88.3	323	Pg	19:55:28.85	0.39
			Sg	55:39.94	-0.90
KOVH	94.9	71	Pg	19:55:29.48	-0.14
			Sg	55:41.50	-1.41
RCF6	95.3	307	Sg	19:55:41.81	-1.23
CRES	115.3	271	Pn	19:55:32.36	-0.36
			Sn	55:47.27	-1.15
GROS	132.4	303	Sn	19:55:52.03	-0.18
PKSM	138.9	71	Pn	19:55:36.50	0.84
			Sn	55:53.36	-0.30
MORH	139.3	71	Pn	19:55:36.46	0.76
			Sn	55:53.64	-0.10
PERS	167.7	303	Sn	19:56:00.51	0.46

1512.

2023-10-11 time: 20:19:04.71 UTC ML= 1.9
 lat: 45.829N lon: 16.929E h= 3.1 km
 erh= 2.7km erz= 2.4km
 nr= 18 gap=184 rms=0.74
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	72.3	351	Sg	20:19:27.75	0.04
PTJ	75.8	276	Pg	20:19:18.46	0.20
			Sg	19:27.69	-1.14
KOGS	86.6	323	Pg	20:19:20.52	0.34
			Sg	19:32.14	-0.10
KOVH	95.3	72	Pg	20:19:22.42	0.69
			Sg	19:34.07	-0.94
PKSV	103.0	86	Pg	20:19:23.32	0.21
			Sg	19:35.71	-1.75
CRES	114.4	270	Pg	20:19:25.19	0.04
			Sg	19:39.02	-2.06
GROS	130.8	303	Pn	20:19:27.97	0.31
PKSM	139.3	72	Pn	20:19:29.62	0.90
			Sn	19:45.84	-1.61
MORH	139.6	72	Pn	20:19:29.38	0.61
			Sn	19:47.05	-0.48
TIH	140.3	32	Sn	20:19:46.86	-0.82
PKB4	149.2	60	Sn	20:19:50.37	0.73

1513.

2023-10-11 time: 20:24:28.39 UTC ML= 2.2
 lat: 45.813N lon: 16.924E h= 10.0 km
 erh= 3.2km erz= 2.7km
 nr= 17 gap=185 rms=0.78
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	73.9	351	Pg	20:24:42.82	1.10

Földrengés paraméterek

		Sg	24:52.54	0.43
PTJ	75.6 277	Pg	20:24:42.72	0.70
		Sg	24:52.62	-0.02
KOGS	87.7 324	Pg	20:24:44.52	0.36
		Sg	24:55.67	-0.78
RCF6	94.4 308	Sg	20:24:57.38	-1.18
KOVH	96.2 71	Pg	20:24:45.46	-0.20
		Sg	24:57.48	-1.65
PKSV	103.5 85	P*	20:24:46.47	-0.48
CRES	114.0 271	Pn	20:24:48.43	0.07
		Sn	25:02.32	-1.62
GROS	131.4 303	Sn	20:25:05.63	-2.17
PKSM	140.2 72	Pn	20:24:52.21	0.58
		Sn	25:10.01	0.25
MORH	140.6 71	Pn	20:24:52.29	0.61
		Sn	25:09.78	-0.06

1514.

2023-10-11 time: 20:37:09.35 UTC ML= 2.0
 lat: 45.816N lon: 16.917E h= 10.0 km
 erh= 1.6km erz= 1.5km
 nr= 27 gap= 87 rms=0.68
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R93E	46.7	183	Pg	20:37:18.88	0.99
ZAG	71.8	271	Pg	20:37:21.89	-0.41
			Sg	37:32.81	0.42
BEHE	73.5	351	Pg	20:37:22.71	0.10
			Sg	37:33.36	0.42
PTJ	75.1	277	Pg	20:37:22.39	-0.49
			Sg	37:32.27	-1.17
KOGS	87.2	324	Pg	20:37:25.40	0.38
			Sg	37:36.64	-0.60
RCF6	93.8	308	Pg	20:37:26.73	0.53
			Sg	37:38.59	-0.75
KOVH	96.5	72	Pg	20:37:26.57	-0.11
			Sg	37:38.43	-1.77
PKSV	104.0	86	P*	20:37:27.35	-0.63
			S*	37:40.31	-2.20
CRES	113.5	271	Pn	20:37:29.38	0.12
			Sn	37:44.29	-0.51
BLY	120.4	170	Pn	20:37:30.32	0.19
			Sn	37:45.15	-1.18
GROS	130.8	303	Pn	20:37:31.96	0.54
			Sn	37:47.80	-0.83
PKSM	140.6	72	Pn	20:37:33.52	0.88
			Sn	37:50.92	0.12
MORH	140.9	72	Pn	20:37:33.28	0.60
			Sn	37:50.45	-0.42
PKB4	150.6	60	Sn	20:37:54.49	1.46
PERS	166.2	303	Sn	20:37:57.17	0.69

1515.

2023-10-11 time: 20:45:03.41 UTC ML= 1.7
 lat: 45.846N lon: 16.893E h= 10.0 km
 erh= 4.0km erz= 2.8km
 nr= 10 gap=195 rms=0.54
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	83.4	323	Sg	20:45:30.56	0.46
RCF6	90.3	307	Sg	20:45:32.12	-0.16
KOVH	97.3	74	Pg	20:45:21.04	0.16
			Sg	45:32.90	-1.61
CRES	111.6	269	Pn	20:45:22.83	-0.26
			Sn	45:37.51	-0.92
PKSM	141.3	73	Pn	20:45:27.13	0.34
			Sn	45:44.92	-0.10
MORH	141.6	73	Pn	20:45:27.59	0.76
			Sn	45:44.92	-0.17

Földrengés paraméterek

Hypocenter Parameters

1516.

2023-10-11 time: 21:56:05.41 UTC ML= 2.0
 lat: 45.813N lon: 16.935E h= 10.0 km
 erh= 3.1km erz= 2.6km
 nr= 13 gap=199 rms=0.63
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	74.1	350	Sg	21:56:30.23			1.07
PTJ	76.5	277	Pg	21:56:19.70			0.51
KOGS	88.2	323	Pg	21:56:21.18			-0.08
			Sg	56:32.89			-0.74
RCF6	95.0	307	Sg	21:56:35.00			-0.79
KOVH	95.4	71	Pg	21:56:22.47			-0.07
			Sg	56:34.92			-0.97
CRES	114.9	271	Pn	21:56:25.24			-0.25
			Sn	56:39.60			-1.55
PKSM	139.4	71	Pn	21:56:29.30			0.75
			Sn	56:46.66			0.06
MORH	139.7	71	Pn	21:56:29.30			0.71
			Sn	56:46.39			-0.28

1517.

2023-10-11 time: 22:14:14.89 UTC ML= 1.3
 lat: 45.850N lon: 16.918E h= 10.0 km
 erh= 4.6km erz= 2.5km
 nr= 8 gap=195 rms=0.54
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	84.1	322	Sg	22:14:42.10			0.28
KOVH	95.3	74	Pg	22:14:32.19			0.18
			Sg	14:43.98			-1.38
CRES	113.6	269	Sn	22:14:49.63			-0.71
PKS9	133.1	52	Sn	22:14:54.28			-0.40
PKSM	139.3	73	Pn	22:14:38.36			0.34
			Sn	14:56.54			0.48
MORH	139.7	73	Sn	22:14:56.55			0.42

1518.

2023-10-11 time: 22:15:20.85 UTC ML= 1.9
 lat: 45.829N lon: 16.920E h= 10.0 km
 erh= 3.4km erz= 3.3km
 nr= 13 gap=100 rms=0.81
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	72.2	351	Sg	22:15:45.69			1.69
PTJ	75.1	276	Sg	22:15:45.53			0.60
KOGS	86.1	323	Sg	22:15:48.26			-0.14
RCF6	93.1	307	Sg	22:15:49.59			-1.01
KOVH	95.9	72	Pg	22:15:37.96			-0.10
			Sg	15:49.82			-1.68
CRES	113.7	270	Pn	22:15:40.73			-0.05
			Sn	15:54.90			-1.42
BLY	121.8	170	Sn	22:15:57.83			-0.29
PKSM	139.9	72	Pn	22:15:44.98			0.93
			Sn	16:01.65			-0.50
MORH	140.3	72	Pn	22:15:44.71			0.62
			Sn	16:02.47			0.25

1519.

2023-10-11 time: 23:19:41.50 UTC ML= 2.0
 lat: 45.734N lon: 16.904E h= 5.1 km
 erh= 2.6km erz= 3.4km
 nr= 14 gap=107 rms=0.73
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	82.5	353	Pg	23:19:56.94			0.68
			Sg	20:07.43			-0.34
KOGS	94.2	328	Pg	23:19:58.88			0.54
			Sg	20:10.42			-1.05
RCF6	99.0	312	Sg	23:20:12.59			-0.40
KOVH	100.8	67	Pg	23:19:59.54			0.02
			Sg	20:12.05			-1.53
BLY	111.6	169	Sg	23:20:15.23			-1.78
CRES	113.0	275	Pg	23:20:02.46			0.76
			Sg	20:16.88			-0.58
PKSM	144.8	68	Pn	23:20:06.52			0.59
			Sn	20:24.47			-0.51
MORH	145.1	68	Pn	23:20:06.48			0.51
			Sn	20:24.47			-0.59

1520.

2023-10-12 time: 0:37:13.65 UTC ML= 1.9
 lat: 45.802N lon: 16.910E h= 10.0 km
 erh= 3.3km erz= 2.7km
 nr= 13 gap=200 rms=0.66
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	74.8	278	Sg	0:37:36.39			-1.23
BEHE	75.0	352	Sg	0:37:38.69			0.98
KOGS	88.1	325	Pg	0:37:30.02			0.54
			Sg	37:41.58			-0.26
RCF6	94.3	309	Sg	0:37:43.26			-0.54
KOVH	97.6	71	Pg	0:37:31.12			-0.05
			Sg	37:42.98			-1.85
CRES	113.0	271	Pn	0:37:33.61			0.12
			Sn	37:48.29			-0.68
PKSM	141.6	71	Pn	0:37:37.80			0.74
			Sn	37:54.84			-0.49
MORH	142.0	71	Pn	0:37:37.66			0.55
			Sn	37:55.08			-0.33

1521.

2023-10-12 time: 1:38:52.36 UTC ML= 1.7
 lat: 45.812N lon: 16.932E h= 10.0 km
 erh= 2.3km erz= 1.8km
 nr= 14 gap=108 rms=0.55
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	72.9	272	Sg	1:39:15.81			0.05
KOGS	88.2	323	Pg	1:39:08.55			0.34
			Sg	39:19.91			-0.67
KOVH	95.6	71	Pg	1:39:09.34			-0.18
			Sg	39:21.20			-1.71
PKSV	102.9	85	Pg	1:39:10.74			-0.07
CRES	114.7	271	Pn	1:39:12.38			-0.03
			Sn	39:26.78			-1.27
BLY	119.8	171	Sn	1:39:28.77			-0.41
PKSM	139.6	71	Pn	1:39:16.28			0.76
			Sn	39:33.81			0.22
MORH	140.0	71	Pn	1:39:16.32			0.75
			Sn	39:33.84			0.17
PERS	167.4	303	Sn	1:39:39.67			-0.08

Hypocenter Parameters

Földrengés paraméterek

1522.

2023-10-12 time: 2:58:47.72 UTC ML= 1.9
 lat: 45.751N lon: 16.920E h= 6.4 km
 erh= 3.2km erz= 3.1km
 nr= 12 gap=205 rms=0.70
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	80.7	352	Sg	2:59:14.09			0.64
KOGS	93.2	326	Pg	2:59:04.92			0.52
			Sg	59:16.36			-1.05
RCF6	98.6	311	Sg	2:59:18.72			-0.39
KOVH	98.9	68	Pg	2:59:05.47			0.05
			Sg	59:17.81			-1.41
CRES	114.1	274	Pg	2:59:08.28			0.16
			Sg	59:23.03			-1.01
PKSM	142.9	69	Pn	2:59:12.73			0.99
			Sn	59:29.75			-0.73
MORH	143.2	69	Sn	2:59:30.41			-0.15
TIH	148.1	30	Sn	2:59:32.40			0.77

1523.

2023-10-12 time: 3:37:44.20 UTC ML= 1.9
 lat: 45.754N lon: 16.920E h= 5.4 km
 erh= 3.1km erz= 3.4km
 nr= 11 gap=205 rms=0.66
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	80.4	352	Sg	3:38:10.55			0.74
KOGS	93.0	326	Sg	3:38:12.97			-0.82
RCF6	98.4	311	Sg	3:38:15.46			-0.05
KOVH	98.8	68	Pg	3:38:01.88			0.02
			Sg	38:14.14			-1.50
CRES	114.1	274	Pg	3:38:04.93			0.34
			Sg	38:19.76			-0.74
PKSM	142.7	69	Pn	3:38:08.44			0.10
			Sn	38:26.86			-0.31
MORH	143.1	69	Pn	3:38:09.55			1.17
			Sn	38:26.86			-0.39

1524.

2023-10-12 time: 6:21:41.25 UTC ML= 1.8
 lat: 45.800N lon: 16.910E h= 6.5 km
 erh= 3.1km erz= 2.8km
 nr= 11 gap=200 rms=0.57
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	74.7	279	Sg	6:22:04.85			-0.25
KOGS	88.2	325	Sg	6:22:09.62			0.25
RCF6	94.4	309	Sg	6:22:11.28			-0.05
KOVH	97.7	71	Pg	6:21:58.54			-0.20
			Sg	22:11.33			-1.05
CRES	112.9	271	Pg	6:22:01.90			0.44
			Sg	22:16.26			-0.95
PKSM	141.7	71	Pn	6:22:05.56			0.43
			Sn	22:23.36			-0.39
MORH	142.1	71	Pn	6:22:06.14			0.97
			Sn	22:23.28			-0.54

1525.

2023-10-12 time: 6:52:48.04 UTC ML= 2.1
 lat: 47.319N lon: 16.344E h= 0.0 km
 erh= 3.1km erz= 6.0km
 nr= 12 gap= 84 rms=0.92
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	42.5	355	Pg	6:52:55.87			0.24
			Sg	53:01.60			0.06
ARSA	62.6	263	Pg	6:52:59.93			0.72
			Sg	53:07.63			-0.30
CONA	76.8	332	Sg	6:53:12.37			-0.09
MPLH	92.0	100	Sg	6:53:16.05			-1.24
KOGS	97.1	184	Pg	6:53:06.58			1.21
			Sg	53:18.55			-0.35
GROS	115.0	214	Pg	6:53:08.26			-0.31
			Sg	53:22.43			-2.15
MODS	136.5	31	Pn	6:53:12.80			0.71
			Sn	53:28.57			-2.29

1526.

2023-10-12 time: 7:38:51.06 UTC ML= 2.1
 lat: 45.771N lon: 16.906E h= 10.0 km
 erh= 3.9km erz= 3.1km
 nr= 13 gap=203 rms=0.76
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	75.0	281	Sg	7:39:13.57			-1.55
BEHE	78.4	353	Pg	7:39:06.06			0.89
			Sg	39:16.54			0.37
KOGS	90.7	326	Pg	7:39:07.99			0.63
			Sg	39:19.68			-0.40
RCF6	96.3	310	Sg	7:39:20.99			-0.84
KOVH	99.1	69	Pg	7:39:08.77			-0.08
			Sg	39:20.78			-1.94
CRES	112.8	273	Pn	7:39:11.25			0.37
			Sn	39:25.44			-0.91
GROS	132.9	305	Sn	7:39:30.85			0.05
MORH	143.5	70	Pn	7:39:15.35			0.65
			Sn	39:32.72			-0.43

1527.

2023-10-12 time: 8:12:52.01 UTC ML= 1.8
 lat: 48.540N lon: 20.735E h= 0.0 km
 erh= 2.1km erz= 525km
 nr= 7 gap=144 rms=0.35
 Locality: Bódivasziilas
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	19.5	251	Pg	8:12:55.77			0.28
			Sg	12:58.73			0.53
ABAH	46.1	126	Pg	8:13:00.22			-0.02
			Sg	13:06.77			0.10
PSZ	93.2	222	Pg	8:13:08.41			-0.23
			Sg	13:20.12			-1.50
NIE	102.5	342	Pg	8:13:10.21			-0.11

1528.

2023-10-12 time: 9:05:12.27 UTC ML= 2.4
 lat: 45.798N lon: 16.901E h= 10.0 km
 erh= 2.4km erz= 2.1km
 nr= 37 gap= 90 rms=1.14
 Locality: Croatia
 Comments:

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
R93E	44.6	182	Pg	9:05:21.66	1.22
R971	69.4	274	Pg	9:05:24.85	0.06
ZAG	70.6	273	Sg	9:05:34.86	-0.07
PTJ	74.1	279	Pg	9:05:25.35	-0.28
			Sg	05:35.09	-0.96
BEHE	75.4	353	Pg	9:05:27.01	1.16
			Sg	05:35.79	-0.65
KOGS	88.1	325	Pg	9:05:27.31	-0.79
			Sg	05:39.73	-0.71
RCF6	94.1	309	Pg	9:05:29.52	0.36
			Sg	05:40.95	-1.39
KOVH	98.4	71	Pg	9:05:29.31	-0.63
			Sg	05:41.58	-2.14
PKSV	105.4	85	P*	9:05:30.41	-0.71
			S*	05:43.03	-2.80
CRES	112.3	272	Pn	9:05:32.17	0.14
			Sn	05:46.35	-1.09
BLY	118.7	169	Pn	9:05:32.41	-0.42
			Sn	05:47.62	-1.24
GROS	130.9	304	Pn	9:05:33.83	-0.52
			Sn	05:49.68	-1.88
PKS9	137.9	50	Pn	9:05:36.33	1.11
			Sn	05:52.78	-0.34
PKSM	142.4	71	Pn	9:05:34.62	-1.17
			Sn	05:52.93	-1.20
MORH	142.8	71	Pn	9:05:36.38	0.55
			Sn	05:52.98	-1.23
PKB4	152.8	59	Pn	9:05:38.38	1.30
			Sn	05:57.45	1.03
MPLH	160.2	18	Pn	9:05:39.90	1.89
			Sn	06:00.04	1.96
PERS	166.2	304	Pn	9:05:41.71	2.95
			Sn	05:59.70	0.29
PKB5	167.1	58	Sn	9:06:01.41	1.81
SOKA	174.2	304	Sn	9:06:01.80	0.62
PKB1	182.4	53	Pn	9:05:43.34	2.57
RONA	216.4	348	Pn	9:05:45.37	0.36

1529.

2023-10-12 time: 9:05:51.71 UTC ML= 1.9
 lat: 47.329N lon: 18.442E h= 0.0 km
 erh= 1.5km erz= 2.9km
 nr= 11 gap=114 rms=0.48
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.0	331	Pg	9:05:53.65	0.52
			Sg	05:53.92	-0.31
CSKK	14.2	285	Pg	9:05:54.54	0.30
			Sg	05:56.14	-0.08
PKST	31.8	256	Pg	9:05:57.55	0.17
			Sg	06:01.10	-0.71
MORH	124.7	173	Sg	9:06:31.96	0.61
PKSM	125.2	173	Sg	9:06:31.27	-0.22
PSZ	127.3	59	Sg	9:06:31.58	-0.60
KOVH	140.4	191	Sn	9:06:34.77	-0.62
MODS	145.2	323	Sn	9:06:33.75	-2.70

1530.

2023-10-12 time: 9:09:28.85 UTC ML= 1.8
 lat: 45.728N lon: 16.905E h= 10.0 km
 erh= 6.5km erz= 5.8km
 nr= 7 gap=204 rms=0.86
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	76.0	285	Sg	9:09:53.06	-0.16
BEHE	83.1	353	Sg	9:09:55.62	0.18
KOGS	94.7	328	Sg	9:09:58.23	-0.88
KOVH	101.0	67	Pg	9:09:48.13	1.16

Sg	10:00.11	-1.00			
PKSV	106.2	80	S*	9:10:01.55	-1.07
PKSM	144.9	68	Sn	9:10:11.89	0.63

1531.

2023-10-12 time: 9:11:48.12 UTC ML= 1.6
 lat: 45.747N lon: 16.917E h= 3.1 km
 erh= 4.9km erz= 4.1km
 nr= 10 gap=201 rms=0.82
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	76.4	283	Sg	9:12:11.80	-0.64
BEHE	81.1	352	Sg	9:12:14.77	0.85
KOGS	93.4	327	Sg	9:12:17.11	-0.73
KOVH	99.3	68	Pg	9:12:06.82	0.96
			Sg	12:18.82	-0.88
PKSV	105.0	81	Sg	9:12:20.11	-1.39
PKSM	143.3	69	Pn	9:12:13.13	0.51
			Sn	12:30.61	-1.12
MORH	143.6	69	Pn	9:12:13.20	0.54
			Sn	12:31.72	-0.09

1532.

2023-10-12 time: 11:05:25.94 UTC ML= 1.5
 lat: 47.827N lon: 16.006E h= 0.0 km
 erh= 4.5km erz= 6.7km
 nr= 6 gap=111 rms=0.82
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.6	316	Pg	11:05:29.53	0.81
			Sg	05:31.01	0.13
RONA	26.0	123	Sg	11:05:33.99	-0.22
ARSA	73.7	210	Sg	11:05:48.51	-0.86
KRUC	140.3	12	Pn	11:05:50.83	0.37
			Sn	06:07.56	-2.03

1533.

2023-10-12 time: 12:32:10.89 UTC ML= 1.8
 lat: 45.785N lon: 16.896E h= 13.7 km
 erh= 2.2km erz= 1.9km
 nr= 14 gap=189 rms=0.48
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	74.0	280	Pg	12:32:24.62	0.29
			Sg	32:33.46	-1.35
BEHE	76.7	353	Pg	12:32:25.29	0.49
			Sg	32:35.50	-0.16
KOGS	89.0	326	P*	12:32:27.17	0.27
			S*	32:38.57	-0.82
PKSV	106.0	84	Pn	12:32:29.05	-0.34
			Sn	32:41.37	-2.45
CRES	112.0	272	Pn	12:32:30.17	0.03
			Sn	32:45.29	0.13
PKSM	143.3	71	Pn	12:32:34.02	-0.02
			Sn	32:52.45	0.35
MORH	143.6	71	Pn	12:32:34.53	0.44
			Sn	32:51.93	-0.25

Hypocenter Parameters

Földrengés paraméterek

1534.
 2023-10-12 time: 12:55:33.54 UTC ML= 1.8
 lat: 45.771N lon: 16.924E h= 10.0 km
 erh= 4.0km erz= 3.3km
 nr= 16 gap=190 rms=0.82
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	76.4	281	Sg	12:55:56.44			-1.60
BEHE	78.6	352	Pg	12:55:48.48			0.79
			Sg	55:59.09			0.36
KOGS	91.6	325	Pg	12:55:50.76			0.77
			Sg	56:01.93			-0.89
RCF6	97.4	310	Sg	12:56:03.47			-1.19
KOVH	97.8	69	Pg	12:55:51.27			0.17
			Sg	56:03.68			-1.11
PKSV	104.0	83	P*	12:55:51.99			-0.19
			S*	56:04.70			-2.01
CRES	114.2	273	Pn	12:55:54.02			0.48
			Sn	56:07.98			-1.16
PKSM	141.8	70	Pn	12:55:57.75			0.77
			Sn	56:15.31			0.05
MORH	142.1	70	Pn	12:55:57.67			0.65
			Sn	56:15.55			0.21

1535.

2023-10-13 time: 1:19:23.76 UTC ML= 1.8
 lat: 45.780N lon: 16.932E h= 10.0 km
 erh= 6.6km erz= 3.3km
 nr= 7 gap=202 rms=0.58
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	91.0	325	Pg	1:19:40.63			0.51
			Sg	19:52.10			-0.77
KOVH	96.8	69	Pg	1:19:41.35			0.20
			Sg	19:53.66			-1.05
CRES	114.8	273	Sn	1:19:58.85			-0.63
PKSM	140.9	70	Sn	1:20:05.53			0.26
MORH	141.2	70	Sn	1:20:05.93			0.58

1536.

2023-10-13 time: 7:19:13.62 UTC ML= 1.7
 lat: 48.055N lon: 20.678E h= 0.0 km
 erh= 2.1km erz= 2.5km
 nr= 8 gap=198 rms=0.33
 Locality: Kisgyőr
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	49.6	57	Pg	7:19:22.44			-0.05
			Sg	19:28.94			-0.46
KECS	49.7	343	Pg	7:19:22.83			0.33
			Sg	19:29.37			-0.05
PSZ	60.4	255	Pg	7:19:24.68			0.27
			Sg	19:32.03			-0.79
NIE	154.0	350	Pn	7:19:40.03			0.17
			Sn	19:59.90			-0.43

1537.

2023-10-13 time: 7:52:34.02 UTC ML= 1.8
 lat: 48.428N lon: 17.253E h= 0.0 km
 erh= 1.1km erz= 370km
 nr= 11 gap=110 rms=0.30
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	6.3	163	PgU	7:52:35.08			-0.06
			Sg	52:35.98			-0.04
SMOL	16.1	54	Pg	7:52:36.69			-0.21
			Sg	52:38.68			-0.47
JAVC	57.0	33	Pg	7:52:44.16			-0.04
			Sg	52:52.50			0.37
KRUC	94.6	318	Pg	7:52:51.05			0.14
			Sg	53:03.49			-0.60
RONA	107.9	221	Pg	7:52:53.59			0.30
			Sg	53:06.66			-1.65
VRAC	109.2	334	Pg	7:52:53.86			0.34

1538.

2023-10-13 time: 8:03:12.04 UTC ML= 2.0
 lat: 48.831N lon: 21.595E h= 0.0 km
 erh= 2.6km erz= 5.2km
 nr= 15 gap= 66 rms=0.95
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOLS	51.0	77	Pg	8:03:20.45			-0.70
			Sg	03:28.64			0.38
ABAH	65.0	204	Pg	8:03:24.75			1.10
			Sg	03:32.01			-0.69
STHS	70.0	339	Pg	8:03:26.06			1.52
			Sg	03:33.65			-0.65
KECS	90.4	245	Pg	8:03:28.51			0.32
			Sg	03:38.97			-1.81
TRPA	104.6	138	Sg	8:03:44.37			-0.92
NIE	114.2	305	Pg	8:03:33.18			0.76
			Sg	03:47.04			-1.28
KWP	120.4	42	Pg	8:03:33.50			-0.04
			Sg	03:48.44			-1.86
PSZ	161.8	231	Pn	8:03:39.91			0.67
			Sn	03:59.71			-0.75

1539.

2023-10-13 time: 8:04:11.32 UTC ML= 1.6
 lat: 48.643N lon: 20.819E h= 0.0 km
 erh= 2.9km erz= 808km
 nr= 8 gap=164 rms=0.59
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	30.3	234	Pg	8:04:17.03			0.30
			Sg	04:20.76			-0.20
ABAH	49.5	141	Pg	8:04:20.51			0.34
			Sg	04:27.28			0.22
NIE	93.9	337	Sg	8:04:40.20			-0.98
PSZ	105.8	220	Pg	8:04:29.36			-0.85
			Sg	04:44.62			-0.33
LANS	114.0	300	Pg	8:04:32.49			0.80

1540.

2023-10-13 time: 8:23:38.41 UTC ML= 1.9
 lat: 48.544N lon: 17.604E h= 0.0 km
 erh= 2.1km erz= 1.7km
 nr= 13 gap=218 rms=0.64
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	13.4	256	Pg	8:23:40.88			0.08
			Sg	23:42.84			0.17
MODS	30.7	232	Pg	8:23:44.56			0.67
			Sg	23:48.86			0.69
JAVC	35.4	8	Pg	8:23:45.22			0.49
			Sg	23:49.29			-0.37
KRUC	105.9	303	Sg	8:24:11.87			-0.19

Földrengés paraméterek

VRAC 112.8 319 Pg 8:23:58.37 -0.18
 RONA 135.3 226 Sn 8:24:19.42 -1.53
 MORC 137.2 358 Pn 8:24:02.99 0.44
 Sn 24:19.89 -1.49
 CONA 146.4 242 Pn 8:24:03.36 -0.34
 Sn 24:21.51 -1.92

1541.

2023-10-13 time: 8:53:33.31 UTC ML= 0.9
 lat: 47.179N lon: 18.302E h= 0.0 km
 erh= 2.9km erz= 814km
 nr= 8 gap=151 rms=0.58
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.7	351	Pg	8:53:36.89	-0.12
			Sg	53:39.26	-0.63
PKST	22.2	294	Pg	8:53:37.87	0.60
			Sg	53:39.77	-0.59
PKSG	24.6	16	Pg	8:53:38.39	0.69
			Sg	53:40.81	-0.31
MORH	110.2	166	Sg	8:54:07.15	-1.19
PKSM	110.6	166	Sg	8:54:08.58	0.12

1542.

2023-10-13 time: 9:46:50.97 UTC ML= 1.4
 lat: 47.087N lon: 18.025E h= 0.0 km
 erh= 1.9km erz= 5.1km
 nr= 17 gap= 97 rms=0.68
 Locality: Litér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.1	2	Pg	9:46:53.82	-0.57
			Sg	46:56.80	-0.25
TIH	23.1	206	Pg	9:46:55.78	0.69
			Sg	46:58.29	-0.02
CSKK	35.5	30	Pg	9:46:58.28	0.97
			Sg	47:02.20	-0.05
MPLH	38.0	284	Pg	9:46:58.13	0.37
			Sg	47:02.00	-1.05
PKSG	43.7	39	Pg	9:46:58.87	0.09
			Sg	47:04.15	-0.72
MORH	107.8	154	Pg	9:47:10.57	0.35
			Sg	47:23.84	-1.40
PKSM	108.1	154	Pg	9:47:10.71	0.44
			Sg	47:23.76	-1.57
KOVH	111.2	177	Pg	9:47:11.18	0.36
			Sg	47:24.93	-1.37
PSZ	168.4	57	Sn	9:47:40.97	0.09

1543.

2023-10-13 time: 10:05:34.54 UTC ML= 1.7
 lat: 47.536N lon: 16.316E h= 0.0 km
 erh= 2.6km erz= 3.1km
 nr= 24 gap= 80 rms=1.21
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	18.2	355	PgU	10:05:38.91	1.11
			Sg	05:39.97	-0.37
SOP	24.5	48	Pg	10:05:39.93	1.01
			Sg	05:42.05	-0.29
CONA	55.3	322	Pg	10:05:45.68	1.26
			Sg	05:51.20	-0.93
ARSA	67.7	242	Pg	10:05:48.21	1.57
			Sg	05:54.33	-1.74
MPLH	101.0	114	Sg	10:06:05.21	-1.45
MODS	117.6	38	Pg	10:05:55.12	-0.43
			Sg	06:08.73	-3.20

Hypocenter Parameters

KOGS 121.0 182 Sg 10:06:11.71 -1.31
 PKST 133.4 103 Pn 10:05:58.64 0.43
 Sn 06:14.06 -2.60
 GROS 134.6 207 Sn 10:06:15.94 -1.00
 PERS 135.3 222 Sn 10:06:16.05 -1.04
 SOKA 136.3 226 Pn 10:05:59.21 0.63
 Sn 06:15.64 -1.68
 PKSG 157.3 96 Pn 10:06:02.32 1.13
 Sn 06:22.90 0.93
 KRUC 169.8 2 Pn 10:06:03.10 0.35
 Sn 06:22.90 -1.84
 JAVC 178.3 34 Sn 10:06:25.48 -1.16
 PTJ 183.9 189 Sn 10:06:28.93 1.05

1544.

2023-10-13 time: 11:21:16.29 UTC ML= 1.2
 lat: 48.876N lon: 20.551E h= 0.0 km
 erh= 6.2km erz= ***km
 nr= 7 gap=158 rms=0.92
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	44.0	186	Pg	11:21:24.74	0.60
			Sg	21:30.31	0.05
NIE	62.8	344	Pg	11:21:28.45	0.95
			Sg	21:35.59	-0.66
ABAH	82.1	142	Sg	11:21:40.64	-1.76
LANS	84.9	291	Pg	11:21:31.70	0.25
			Sg	21:41.55	-1.72

1545.

2023-10-13 time: 17:34:01.13 UTC ML= 1.5
 lat: 45.785N lon: 16.913E h= 10.0 km
 erh= 3.9km erz= 3.2km
 nr= 14 gap=189 rms=0.84
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	75.3	280	Pg	17:34:14.95	0.27
			Sg	34:24.06	-1.20
BEHE	76.9	352	Sg	17:34:26.71	0.93
KOGS	89.8	325	Sg	17:34:29.41	-0.42
KOVH	98.1	70	Pg	17:34:18.83	0.10
			Sg	34:30.85	-1.61
PKSV	104.7	84	P*	17:34:19.77	-0.09
			S*	34:31.90	-2.58
CRES	113.3	272	Pn	17:34:21.42	0.42
			Sn	34:35.12	-1.39
PKSM	142.1	70	Pn	17:34:25.48	0.88
			Sn	34:42.86	-0.04
MORH	142.4	70	Pn	17:34:25.60	0.96
			Sn	34:43.33	0.35

1546.

2023-10-14 time: 21:01:27.42 UTC ML= 2.3
 lat: 45.804N lon: 16.918E h= 0.0 km
 erh= 2.1km erz= 2.3km
 nr= 45 gap= 88 rms=1.19
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
R93E	45.4	183	Pg	21:01:37.55	2.03
R971	70.6	273	Pg	21:01:40.40	0.37
ZAG	71.8	272	Pg	21:01:41.17	0.93
			Sg	01:49.86	-0.39
BEHE	74.9	352	Pg	21:01:42.89	2.11
			Sg	01:52.34	1.13
PTJ	75.3	278	Pg	21:01:41.18	0.32
			Sg	01:50.29	-1.06

Hypocenter Parameters

Földrengés paraméterek

KOGS	88.3	324	Pg	21:01:43.76	0.59			Sn	24:07.99	-0.63	
			Sg	01:55.36	-0.11	SMOL	134.0	360	ePn	4:23:54.60	3.01*
RCF6	94.6	308	Pg	21:01:44.98	0.66			eSn	24:08.60	-0.51	
			Sg	01:57.16	-0.34	WINA	135.6	311	Pn	4:23:52.17	0.37
KOVH	97.0	71	Pg	21:01:44.79	0.06			Sn	24:09.05	-0.43	
			Sg	01:57.26	-0.98	CONA	137.2	300	Pn	4:23:51.99	0.00
PKSV	104.1	85	Pg	21:01:46.15	0.15	KOVH	144.8	160	Pn	4:23:52.63	-0.30
			Sg	01:58.77	-1.73	ARSA	145.1	267	Pn	4:23:53.80	0.82
CRES	113.6	271	Pg	21:01:47.71	0.01			Sn	24:11.30	-0.29	
			Sg	02:02.13	-1.38	PENC	148.7	69	Pn	4:23:54.59	1.17
BLY	119.1	170	Pg	21:01:48.88	0.20	MORH	152.4	143	Pn	4:23:53.61	-0.28
			Sg	02:03.54	-1.73	PKSM	152.6	143	Pn	4:23:53.60	-0.31
GROS	131.6	304	Pn	21:01:49.32	-1.53	PKB3	166.1	126	Pn	4:23:54.37	-1.22
			Sn	02:06.95	-2.18	PKSV	169.7	158	Pn	4:23:56.13	0.09
PKS9	136.4	50	Pn	21:01:51.62	0.16	JAVC	173.3	6	Pn	4:23:57.15	0.66
			Sn	02:08.31	-1.91	GROS	175.2	237	Pn	4:23:56.42	-0.31
PKSM	141.0	71	Pn	21:01:50.34	-1.69	PKS6	179.9	116	Pn	4:23:57.56	0.24
			Sn	02:08.80	-2.43	PERS	191.9	247	Pn	4:23:58.72	-0.10
MORH	141.3	71	Pn	21:01:50.44	-1.63	PTJ	193.4	216	Pn	4:23:58.52	-0.48
			Sn	02:09.38	-1.93	SOKA	196.1	249	Pn	4:24:00.23	0.90
TIH	143.1	32	Sn	21:02:09.97	-1.73	PSZ	196.6	70	Pn	4:24:00.01	0.61
PKB4	151.3	59	Pn	21:01:54.24	0.93	KRUC	209.8	338	Pn	4:24:01.10	0.05
			Sn	02:12.41	-1.11				Sn	24:25.42	-0.53
MPLH	159.2	17	Pn	21:01:54.14	-0.16	ABNA	213.0	315	Pn	4:24:01.82	0.38
PKB5	165.6	58	Pn	21:01:56.77	1.67				Sn	24:25.85	-0.79
			Sn	02:16.21	-0.48	CRES	224.2	223	Pn	4:24:02.51	-0.33
PERS	166.9	304	Pn	21:01:55.65	0.39	VRAC	231.0	344	Pn	4:24:03.84	0.15
			Sn	02:15.87	-1.11	OBKA	237.5	248	Pn	4:24:05.14	0.64
SOKA	174.9	304	Pn	21:01:56.48	0.23				Sn	24:32.11	0.03
			Sn	02:18.01	-0.74	MOA	246.2	284	Pn	4:24:06.76	1.18
PKB1	180.9	53	Pn	21:01:59.16	2.15				Sn	24:36.78	2.76*
			Sn	02:20.01	-0.08	LANS	254.3	36	Pn	4:24:07.55	0.96
PKST	183.0	28	Sn	21:02:20.35	-0.21	KECS	262.6	60	Pn	4:24:08.68	1.06
PKB3	189.0	69	Sn	21:02:24.83	2.94	TREC	264.1	327	ePn	4:24:08.70	0.88
PKS2	193.1	67	Sn	21:02:25.95	3.15				eSn	24:36.50	-1.49
ARSA	193.1	326	Sn	21:02:22.64	-0.16	MORC	274.6	2	Pn	4:24:09.83	0.71
PKS6	222.6	67	Pn	21:02:03.32	1.11				Sn	24:39.44	-0.87

1547.

2023-10-16 time: 4:23:29.13 UTC ML= 2.7
 lat: 47.309N lon: 17.440E h= 10.0 km
 erh= 0.8km erz= 0.8km
 nr= 65 gap= 31 rms=0.53
 Locality: Borsosgyőr
 Comments: felt 3-4 MIS/IIS

sta	dist	azm	phase	hr	mn	sec	res
MPLH	17.2	154	PgU	4:23:32.84			0.17
			Sg	23:35.24			-0.20
PKST	45.3	97	Pg	4:23:37.59			0.17
			Sg	23:43.15			-0.73
TIH	57.0	143	Pg	4:23:39.82			0.36
			Sg	23:47.82			0.30
CSKK	62.3	84	Pg	4:23:40.22			-0.18
			Sg	23:49.12			-0.08
PKSG	72.5	83	Pg	4:23:41.78			-0.41
			Sg	23:51.72			-0.66
SOP	78.4	302	Pg	4:23:42.97			-0.27
			Sg	23:54.01			-0.23
SRO	86.4	50	Pg	4:23:44.84			0.17
RONA	96.5	297	Pg	4:23:46.27			-0.18
			Sg	23:59.12			-0.84
PKS9	102.6	141	Pg	4:23:47.82			0.29
BEHE	106.1	208	P*	4:23:48.24			0.17
			S*	24:02.59			-0.26
PKB1	118.2	120	Pn	4:23:49.63			0.01
MODS	119.0	354	Pn	4:23:49.86			0.13
			Sn	24:04.32			-1.47
BUD	121.2	81	Pn	4:23:49.85			-0.14
			Sn	24:04.68			-1.59
PKB4	126.6	136	Pn	4:23:50.98			0.31
			Sn	24:06.14			-1.33
PKB5	126.6	129	Pn	4:23:51.71			1.04
KOGS	131.8	223	Pn	4:23:51.26			-0.06

1548.

2023-10-16 time: 8:07:37.44 UTC ML= 1.3
 lat: 46.142N lon: 18.056E h= 0.0 km
 erh= 1.6km erz= 255km
 nr= 8 gap=247 rms=0.19
 Locality: Okorvölgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	6.9	151	PgU	8:07:38.63			-0.04
			Sg	07:39.80			0.18
PKSV	32.0	152	Pg	8:07:43.01			-0.15
PKSM	45.8	80	Pg	8:07:45.81			0.19
			Sg	07:51.50			-0.50
MORH	46.1	80	Pg	8:07:45.88			0.21
			Sg	07:51.85			-0.25
PKB1	91.0	38	Pg	8:07:53.67			-0.03

Földrengés paraméterek

Hypocenter Parameters

1549.

 2023-10-16 time: 8:39:41.48 UTC ML= 1.3
 lat: 48.559N lon: 20.762E h= 0.0 km
 erh= 3.2km erz= 900km
 nr= 7 gap=149 rms=0.59
 Locality: Komjáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.1	248	Pg	8:39:45.03	-0.40
			Sg	39:48.63	0.13
ABAH	45.8	130	Pg	8:39:49.98	0.31
			Sg	39:55.71	-0.35
PSZ	96.0	222	Pg	8:39:59.52	0.88
			Sg	40:10.75	-1.26
NIE	101.1	341	Sg	8:40:13.35	-0.28

1550.

 2023-10-16 time: 8:43:14.89 UTC ML= 1.0
 lat: 46.148N lon: 18.308E h= 0.0 km
 erh= 2.1km erz= 413km
 nr= 8 gap=186 rms=0.30
 Locality: Vasas
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.4	248	Pg	8:43:17.94	-0.05
			Sg	43:20.45	0.04
PKSM	26.7	75	Pg	8:43:19.86	0.20
			Sg	43:23.69	0.31
MORH	27.1	74	Pg	8:43:19.55	-0.17
			Sg	43:23.03	-0.46
PKSV	29.1	188	Pg	8:43:20.41	0.32
			Sg	43:23.38	-0.77

1551.

 2023-10-16 time: 16:11:24.90 UTC ML= 1.6
 lat: 48.089N lon: 19.639E h= 5.5 km
 erh= 2.0km erz= 2.3km
 nr= 7 gap=196 rms=0.30
 Locality: Nógrádmegyer
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	26.9	135	PgU	16:11:30.00	0.20
			Sg	11:33.49	-0.13
PENC	42.6	219	Pg	16:11:32.85	0.28
			Sg	11:37.85	-0.69
KECS	76.6	55	Pg	16:11:38.70	0.08
			Sg	11:48.84	-0.48
PKSN	133.6	173	Sn	16:12:05.79	-0.04

1552.

 2023-10-17 time: 7:58:54.66 UTC ML= 1.8
 lat: 48.507N lon: 19.114E h= 0.0 km
 erh= 2.5km erz= 3.0km
 nr= 16 gap= 65 rms=0.96
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	20.6	266	Pg	7:58:58.90	0.57
			Sg	59:01.68	0.48
LANS	76.1	20	Pg	7:59:08.70	0.46
			Sg	59:18.29	-0.55
PSZ	87.5	138	Pg	7:59:10.68	0.40
			Sg	59:21.48	-0.98
KECS	101.4	92	Pg	7:59:13.89	1.13
			Sg	59:25.59	-1.30
JAVC	113.3	290	Sg	7:59:29.46	-1.20

NIE	134.1	41	Pn	7:59:19.02	0.61
			Sn	59:34.98	-1.96
PKSG	135.3	204	Pn	7:59:19.02	0.46
			Sn	59:35.29	-1.91
MODS	136.7	264	Pn	7:59:19.64	0.90
			Sn	59:35.84	-1.68
MORC	181.9	321	Sn	7:59:46.69	-0.86

1553.

 2023-10-17 time: 8:36:57.85 UTC ML= 1.8
 lat: 48.620N lon: 20.717E h= 0.0 km
 erh= 6.9km erz= 7.3km
 nr= 8 gap=229 rms=0.88
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	228	Pg	8:37:01.67	-0.28
			Sg	37:05.16	0.02
ABAH	52.9	133	Pg	8:37:07.77	0.48
			Sg	37:13.29	-1.37
PSZ	99.1	218	Pg	8:37:16.94	1.39
			Sg	37:28.25	-1.11
VYHS	139.6	264	Pn	8:37:22.53	0.24
			Sn	37:39.90	-1.45

1554.

 2023-10-17 time: 8:54:17.28 UTC ML= 1.9
 lat: 48.412N lon: 17.260E h= 0.0 km
 erh= 2.0km erz= 3.8km
 nr= 18 gap= 76 rms=0.88
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	4.4	164	PgU	8:54:18.65	0.58
			Sg	54:19.97	1.29
SMOL	16.8	48	Pg	8:54:20.44	0.15
			Sg	54:23.04	0.40
JAVC	58.2	31	Pg	8:54:28.21	0.53
			Sg	54:35.04	-0.75
KRUC	96.3	319	Sg	8:54:46.54	-1.36
RONA	106.9	222	Pg	8:54:37.10	0.72
			Sg	54:49.78	-1.49
VRAC	111.1	334	Pg	8:54:37.76	0.64
			Sg	54:51.59	-1.00
VYHS	116.9	86	Pg	8:54:38.22	0.06
			Sg	54:52.60	-1.85
CONA	117.1	243	Pg	8:54:38.76	0.57
			Sg	54:53.09	-1.41
PKST	140.7	156	Sn	8:54:58.98	-2.04
MORC	153.2	8	Pn	8:54:43.90	0.48
			Sn	55:02.78	-1.03

1555.

 2023-10-17 time: 8:58:39.84 UTC ML= 1.8
 lat: 48.640N lon: 21.345E h= 0.0 km
 erh= 2.6km erz= 4.9km
 nr= 16 gap= 69 rms=0.95
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	39.0	192	Pg	8:58:47.60	0.80
			Sg	58:51.80	-0.43
KECS	65.8	255	Pg	8:58:52.07	0.49
			Sg	58:59.88	-0.86
KOLS	75.6	64	Pg	8:58:53.93	0.58
			Sg	59:02.99	-0.89
STHS	86.7	355	Pg	8:58:56.15	0.82
			Sg	59:06.10	-1.31
TRPA	105.1	123	Pg	8:58:58.95	0.35

Hypocenter Parameters

NIE 114.9 319 Sg 59:10.45 -2.78
 Pg 8:59:00.66 0.31
 Sg 59:14.57 -1.79
 PSZ 134.2 233 Pn 8:59:03.22 -0.39
 Sn 59:18.61 -3.54
 LANS 148.9 292 Pn 8:59:05.87 0.43
 VYHS 185.9 265 Sn 8:59:35.01 1.40

1556.

2023-10-17 time: 9:09:16.19 UTC ML= 1.8
 lat: 48.467N lon: 17.381E h= 0.0 km
 erh= 1.6km erz= 3.3km
 nr= 17 gap=128 rms=0.56
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.3	35	PgU	9:09:17.37	0.06
			Sg	09:18.10	-0.08
MODS	12.9	216	PgU	9:09:19.08	0.58
			Sg	09:20.47	0.17
JAVC	48.5	26	Pg	9:09:25.18	0.33
			Sg	09:30.77	-0.84
KRUC	98.1	312	Pg	9:09:34.74	1.04
			Sg	09:47.56	0.20
VYHS	107.7	88	Pg	9:09:35.44	0.03
VRAC	109.9	328	Pg	9:09:36.06	0.25
			Sg	09:49.98	-1.14
RONA	117.5	223	Pg	9:09:37.25	0.07
			Sg	09:52.55	-1.00
CONA	127.8	242	Pg	9:09:38.90	-0.12
			Sg	09:55.66	-1.17
MORC	146.1	5	Pn	9:09:41.19	-0.25
			Sn	09:59.79	-1.35

1557.

2023-10-17 time: 9:30:26.79 UTC ML= 0.9
 lat: 47.183N lon: 18.243E h= 0.0 km
 erh= 5.5km erz= ***km
 nr= 8 gap=138 rms=1.18
 Locality: Csőr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	17.9	298	Pg	9:30:30.37	0.38
			Sg	30:32.85	0.36
CSKK	20.1	4	Pg	9:30:29.95	-0.42
			Sg	30:31.44	-1.72
PKSG	25.7	26	Pg	9:30:33.64	2.26
			Sg	30:33.71	-1.26
MORH	111.8	164	Sg	9:31:01.88	-0.45
PKSM	112.2	164	Sg	9:31:01.53	-0.92

1558.

2023-10-17 time: 9:59:58.84 UTC ML= 2.0
 lat: 48.141N lon: 16.917E h= 0.0 km
 erh= 5.1km erz= 4.0km
 nr= 9 gap=265 rms=0.99
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	37.2	46	Pg	10:00:05.17	-0.31
			Sg	00:10.19	-0.47
JAVC	97.3	35	Pg	10:00:17.88	1.66
			Sg	00:29.77	-0.01
KRUC	109.4	339	Pg	10:00:18.89	0.51
			Sg	00:33.35	-0.26
VRAC	132.0	350	Sn	10:00:38.31	-2.34
VYHS	147.6	75	Pn	10:00:24.25	-0.03
			Sn	00:42.29	-1.84

Földrengés paraméterek

1559.

2023-10-17 time: 10:40:07.62 UTC ML= 1.0
 lat: 47.567N lon: 18.469E h= 0.0 km
 erh= 2.8km erz= 5.8km
 nr= 12 gap=107 rms=0.83
 Locality: Tatabánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	20.3	197	Pg	10:40:11.78	0.53
			Sg	40:14.18	0.10
CSKK	27.6	215	Pg	10:40:12.72	0.18
			Sg	40:16.17	-0.21
PKST	47.4	224	Pg	10:40:16.80	0.72
			Sg	40:21.64	-1.04
PENC	65.9	68	Sg	10:40:28.32	-0.24
MPLH	82.9	238	Sg	10:40:33.75	-0.22
VYHS	106.7	15	Pg	10:40:27.66	0.99
			Sg	40:40.54	-0.99
MODS	126.4	315	Sg	10:40:45.53	-2.26
MORH	150.8	175	Sn	10:40:51.63	-1.97

1560.

2023-10-17 time: 11:00:46.11 UTC ML= 1.9
 lat: 48.139N lon: 18.961E h= 0.0 km
 erh= 4.0km erz= ***km
 nr= 8 gap=114 rms=0.92
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	40.5	347	Pg	11:00:54.26	0.91
			Sg	00:58.09	-0.90
PENC	45.6	148	Sg	11:01:00.89	0.29
SRO	60.5	233	Sg	11:01:04.58	-0.75
PSZ	73.8	109	Pg	11:00:59.91	0.61
			Sg	01:08.51	-1.07
KECS	119.4	71	Pg	11:01:07.83	0.40
			Sg	01:21.45	-2.61

1561.

2023-10-17 time: 11:30:49.73 UTC ML= 1.9
 lat: 48.131N lon: 18.963E h= 0.0 km
 erh= 2.7km erz= 988km
 nr= 9 gap=113 rms=0.74
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	41.5	347	Pg	11:30:57.68	0.54
			Sg	31:02.50	-0.42
SRO	60.0	234	Sg	11:31:08.87	0.06
PSZ	73.4	109	Pg	11:31:03.90	1.06
			Sg	31:13.15	0.10
PKSG	92.7	208	Sg	11:31:18.59	-0.61
CSKK	100.3	212	Sg	11:31:21.00	-0.62
KECS	119.5	71	Pg	11:31:10.74	-0.34
			Sg	31:25.50	-2.23

1562.

2023-10-17 time: 14:27:32.48 UTC ML= 1.8
 lat: 47.099N lon: 19.346E h= 0.0 km
 erh= 4.7km erz= 758km
 nr= 9 gap=184 rms=0.58
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.2	248	Pg	14:27:35.39	0.19
			Sg	27:37.17	-0.15

Földrengés paraméterek

PKB5 72.8 220 Pg 14:27:46.55 1.06
 PENC 77.0 356 Pg 14:27:46.79 0.55
 PKS9 99.3 235 Pg 14:27:49.88 -0.34
 PSZ 100.0 24 Pg 14:27:49.69 -0.66
 MORH 111.9 209 Pg 14:27:52.38 -0.09
 PKSM 112.4 209 Pg 14:27:52.41 -0.15
 Sg 28:06.59 -1.62

1563.

2023-10-17 time: 14:45:48.08 UTC ML= 1.9
 lat: 47.086N lon: 19.405E h= 0.0 km
 erh= 4.2km erz= 780km
 nr= 10 gap=189 rms=0.61
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.1	257	Pg	14:45:51.29	-0.19
			Sg	45:53.72	-0.42
PKB5	74.8	223	Pg	14:46:02.44	1.01
PENC	78.8	353	Pg	14:46:02.95	0.79
PSZ	99.6	22	Pg	14:46:05.61	-0.25
			Sg	46:18.68	-1.05
PKS9	102.3	237	Pg	14:46:06.24	-0.11
MORH	113.0	211	Pg	14:46:08.23	-0.02
PKSM	113.4	211	Pg	14:46:08.20	-0.14
			Sg	46:22.05	-2.09

1564.

2023-10-17 time: 15:05:43.02 UTC ML= 1.8
 lat: 47.094N lon: 19.363E h= 0.0 km
 erh= 7.3km erz= ***km
 nr= 9 gap=186 rms=0.93
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.2	251	Pg	15:05:46.00	0.08
			Sg	05:47.80	-0.38
PKB1	55.5	232	Pg	15:05:53.22	0.30
PKB5	73.3	221	Pg	15:05:57.30	1.20
PENC	77.7	355	Pg	15:05:57.89	1.01
PSZ	100.0	24	Pg	15:06:00.36	-0.51
			Sg	06:12.76	-2.04
MORH	112.1	209	Pg	15:06:02.78	-0.25
			Sg	06:16.40	-2.24

1565.

2023-10-17 time: 15:30:36.61 UTC ML= 1.8
 lat: 47.104N lon: 19.353E h= 0.0 km
 erh= 4.9km erz= 851km
 nr= 13 gap=185 rms=0.77
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	15.9	247	Pg	15:30:39.60	0.16
			Sg	30:41.48	-0.17
PKB1	55.5	230	Pg	15:30:46.76	0.24
PKB5	73.6	220	Pg	15:30:50.76	1.02
PENC	76.5	356	Pg	15:30:51.26	0.98
PKB4	88.5	220	Pg	15:30:52.95	0.55
PSZ	99.3	24	Pg	15:30:53.96	-0.39
			Sg	31:06.56	-1.63
PKS9	100.0	235	Pg	15:30:54.75	0.28
MORH	112.6	209	Pg	15:30:56.40	-0.32
			Sg	31:10.49	-1.91
PKSM	113.1	209	Pg	15:30:56.43	-0.37
			Sg	31:10.75	-1.81

Hypocenter Parameters

1566.

2023-10-17 time: 21:58:28.68 UTC ML= 0.5
 lat: 47.752N lon: 16.178E h= 14.8 km
 erh= 1.3km erz= 1.1km
 nr= 9 gap= 99 rms=0.28
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	10.6	124	PgU	21:58:32.08	0.15
			Sg	58:34.00	-0.46
SOP	29.5	105	Pg	21:58:34.78	0.20
CONA	30.7	310	Pg	21:58:34.98	0.21
			Sg	58:39.71	0.19
WINA	40.2	349	Sg	21:58:41.98	-0.33
ARSA	74.5	222	Sg	21:58:52.70	-0.13
ABNA	116.2	332	Sn	21:59:02.82	-0.81
KRUC	146.5	6	Sn	21:59:10.35	-0.01

1567.

2023-10-18 time: 8:33:07.14 UTC ML= 1.9
 lat: 48.342N lon: 19.878E h= 0.0 km
 erh= 3.1km erz= 995km
 nr= 10 gap=163 rms=0.79
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	47.1	179	Pg	8:33:15.44	-0.11
			Sg	33:21.86	-0.25
KECS	47.6	71	Pg	8:33:15.28	-0.36
			Sg	33:22.01	-0.27
LANS	94.8	341	Pg	8:33:25.09	1.02
			Sg	33:36.28	-1.00
ABAH	101.1	93	Pg	8:33:26.03	0.84
			Sg	33:38.13	-1.14
NIE	123.9	15	Pg	8:33:29.84	0.57
			Sg	33:44.40	-2.13

1568.

2023-10-18 time: 8:46:25.91 UTC ML= 1.5
 lat: 48.589N lon: 20.775E h= 0.0 km
 erh= 3.3km erz= ***km
 nr= 11 gap=113 rms=0.94
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.4	241	Pg	8:46:30.33	0.07
			Sg	46:33.69	0.03
ABAH	47.3	133	Pg	8:46:34.08	-0.28
			Sg	46:41.05	0.10
STHS	98.3	20	Pg	8:46:43.86	0.41
			Sg	46:55.60	-1.54
NIE	98.3	340	Pg	8:46:45.74	2.28
PSZ	99.2	221	Pg	8:46:43.63	0.02
			Sg	46:57.09	-0.34
LANS	114.5	303	Pg	8:46:46.06	-0.29
			Sg	46:59.83	-2.46

1569.

2023-10-18 time: 9:15:13.46 UTC ML= 1.6
 lat: 48.658N lon: 21.617E h= 0.0 km
 erh= 2.1km erz= 334km
 nr= 6 gap=161 rms=0.19
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	49.0	215	Pg	9:15:22.32	0.10

Hypocenter Parameters

KOLS 57.1 58 Sg 15:28.81 -0.23
 Pg 9:15:23.88 0.22
 Sg 15:31.24 -0.36
 KECS 85.8 257 Pg 9:15:28.66 -0.12
 Sg 15:40.86 0.14

1570.

2023-10-18 time: 9:46:57.86 UTC ML= 1.7
 lat: 48.539N lon: 17.454E h= 0.0 km
 erh= 2.8km erz= 3.1km
 nr= 11 gap=189 rms=0.55
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	3.4	213	Pg	9:46:58.07			-0.40
			Sg	46:59.00			0.06
MODS	22.6	215	Pg	9:47:01.79			-0.10
			Sg	47:05.08			0.04
JAVC	39.0	24	Pg	9:47:05.08			0.25
			Sg	47:09.91			-0.35
KRUC	97.1	307	Pg	9:47:16.10			0.90
			Sg	47:27.71			-1.00
CONA	136.4	240	Pn	9:47:22.39			0.49
			Sn	47:38.64			-2.01
MORC	137.8	3	Sn	9:47:40.47			-0.49

1571.

2023-10-18 time: 10:57:12.61 UTC ML= 1.9
 lat: 47.825N lon: 21.587E h= 11.7 km
 erh= 3.0km erz= 2.6km
 nr= 12 gap=120 rms=0.72
 Locality: Újfehértó
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
LTVH	54.3	154	Pg	10:57:22.77			0.24
ABAH	58.4	334	PgU	10:57:23.33			0.08
			Sg	57:31.72			0.17
TRPA	78.8	64	Pg	10:57:26.57			-0.26
			Sg	57:36.76			-1.16
KECS	109.9	312	Pn	10:57:31.72			-0.12
			Sn	57:45.65			-1.20
PSZ	127.1	275	Pn	10:57:34.30			0.31
			Sn	57:49.93			-0.73
KOLS	133.3	22	Sn	10:57:53.43			1.39
DRGR	142.9	144	Pn	10:57:37.24			1.28
			Sn	57:53.06			-1.12
STHS	178.8	352	Sn	10:58:06.68			4.54*

1572.

2023-10-18 time: 12:04:26.83 UTC ML= 1.7
 lat: 46.336N lon: 22.941E h= 0.0 km
 erh= 2.0km erz= 324km
 nr= 7 gap=202 rms=0.22
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	50.4	183	Sg	12:04:42.75			-0.10
DRGR	53.6	341	Pg	12:04:36.50			0.10
			Sg	04:43.37			-0.50
SURR	90.4	224	Pg	12:04:42.94			-0.04
			Sg	04:55.45			-0.12
BZS	130.1	232	Pg	12:04:50.41			0.35
			Sg	05:08.10			-0.08

Földrengés paraméterek

1573.

2023-10-18 time: 13:49:32.15 UTC ML= 2.1
 lat: 47.076N lon: 19.445E h= 0.0 km
 erh= 4.0km erz= 834km
 nr= 15 gap=193 rms=0.71
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	21.8	262	Pg	13:49:36.84			0.80
			Sg	49:38.76			-0.32
PKB1	59.3	237	Pg	13:49:42.29			-0.45
PKB5	76.1	225	Pg	13:49:46.79			1.06
			Sg	49:57.28			0.96
PENC	80.4	351	Pg	13:49:46.95			0.44
PKB4	91.0	225	Pg	13:49:48.91			0.52
PSZ	99.6	20	Pg	13:49:49.95			0.02
			Sg	50:02.67			-1.14
PKS9	104.3	239	Pg	13:49:49.93			-0.83
			Sg	50:03.18			-2.11
MORH	113.6	213	Pg	13:49:52.62			0.19
			Sg	50:07.60			-0.65
PKSM	114.1	213	Pg	13:49:52.26			-0.25
			Sg	50:07.41			-0.99

1574.

2023-10-18 time: 18:19:21.33 UTC ML= 1.9
 lat: 47.218N lon: 21.417E h= 16.7 km
 erh= 3.9km erz= 2.6km
 nr= 7 gap=188 rms=0.39
 Locality: Bihartorda
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
LTVH	41.0	63	Pg	18:19:28.77			-0.47
			Sg	19:36.05			0.64
DRGR	109.2	116	Pn	18:19:40.23			0.38
			Sn	19:53.77			-0.53
ABAH	120.6	354	Sn	18:19:56.65			-0.16
PSZ	138.5	304	Pn	18:19:43.68			0.18
			Sn	20:00.74			-0.05

1575.

2023-10-18 time: 20:35:50.86 UTC ML= 1.4
 lat: 45.924N lon: 16.022E h= 10.0 km
 erh= 2.4km erz= 2.5km
 nr= 12 gap=169 rms=0.49
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.6	242	Pg	20:35:52.90			-0.01
			Sg	35:53.98			-0.53
R971	9.6	186	PgD	20:35:53.20			-0.14
			Sg	35:54.10			-1.17
ZAG	10.7	192	Pg	20:35:53.78			0.30
			Sg	35:55.70			0.17
CRES	45.2	256	Pg	20:35:59.84			0.71
			Sg	36:06.00			0.42
RCF6	45.8	354	Sg	20:36:05.86			0.09
KOGS	60.9	17	Sg	20:36:10.83			0.34
GROS	72.0	326	Sg	20:36:13.44			-0.53
PERS	105.5	319	S*	20:36:23.52			-0.93

Földrengés paraméterek

Hypocenter Parameters

1576.

2023-10-19 time: 8:34:54.65 UTC ML= 1.3
 lat: 46.138N lon: 18.031E h= 0.0 km
 erh= 3.1km erz= 4.3km
 nr= 11 gap=212 rms=0.56
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	7.6	136	PgU	8:34:56.20			0.18
			Sg		34:57.06		-0.03
PKSV	32.6	148	Pg	8:35:00.58			0.11
			Sg		35:03.94		-1.07
PKSM	47.8	80	Pg	8:35:03.43			0.24
			Sg		35:09.50		-0.36
MORH	48.1	80	Pg	8:35:03.67			0.42
			Sg		35:09.19		-0.76
PKB4	59.4	48	Pg	8:35:05.94			0.67
PKST	124.6	0	Sg	8:35:31.96			-2.31
PKSG	142.1	11	Sn	8:35:37.83			-0.88

1577.

2023-10-19 time: 8:56:55.04 UTC ML= 1.3
 lat: 47.164N lon: 18.183E h= 0.0 km
 erh= 4.2km erz=14.4km
 nr= 12 gap=109 rms=1.43
 Locality: Ősi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	15.4	313	Pg	8:56:58.89			1.09
			Sg		56:59.79		-0.16
CSKK	22.9	15	Pg	8:56:58.46			-0.68
			Sg		57:00.76		-1.57
PKSG	29.8	32	Pg	8:57:03.19			2.82
			Sg		57:03.89		-0.63
MPLH	48.8	271	Sg	8:57:08.62			-1.92
MORH	111.1	161	Pg	8:57:15.51			0.62
			Sg		57:29.36		-1.01
PKSM	111.5	162	Pg	8:57:15.35			0.40
			Sg		57:29.32		-1.16
PSZ	153.8	57	Sn	8:57:37.55			-4.14

1578.

2023-10-19 time: 9:30:36.67 UTC ML= 0.9
 lat: 47.255N lon: 18.222E h= 0.0 km
 erh= 4.6km erz= 558km
 nr= 6 gap=232 rms=0.34
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	12.4	14	Pg	9:30:39.31			0.43
			Sg		30:40.96		0.35
PKST	14.2	272	Pg	9:30:39.15			-0.05
			Sg		30:40.76		-0.42
PKSG	19.9	40	Pg	9:30:40.17			-0.05
			Sg		30:42.31		-0.68

1579.

2023-10-20 time: 5:48:16.65 UTC ML= 1.0
 lat: 47.279N lon: 18.314E h= 0.0 km
 erh= 2.1km erz= 3.2km
 nr= 11 gap=109 rms=0.63
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.2	337	Pg	5:48:18.69			0.22
			Sg		48:19.43		-0.45

PKSG	13.8	25	Pg	5:48:19.08			-0.03
			Sg		48:20.49		-0.55
PKST	21.3	264	Pg	5:48:20.96			0.51
			Sg		48:24.13		0.72
MPLH	59.9	258	Sg	5:48:34.34			-1.35
MORH	120.9	168	Sg	5:48:53.20			-1.87
PKSM	121.3	168	Sg	5:48:55.24			0.05
KOVH	133.4	187	Sn	5:48:59.30			0.53
PSZ	138.5	59	Sn	5:49:00.40			0.49

1580.

2023-10-20 time: 7:06:07.79 UTC ML= 1.5
 lat: 46.159N lon: 17.994E h= 0.0 km
 erh= 2.4km erz= 4.7km
 nr= 9 gap=226 rms=0.55
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	11.3	134	Pg	7:06:10.02			0.21
			Sg		06:11.31		-0.08
PKSV	36.1	146	Pg	7:06:14.13			-0.10
			Sg		06:18.19		-1.07
PKSM	50.3	83	Pg	7:06:17.29			0.52
			Sg		06:23.32		-0.46
MORH	50.6	83	Pg	7:06:17.41			0.59
			Sg		06:23.52		-0.35
PKSG	140.4	12	Sn	7:06:49.46			-2.00

1581.

2023-10-20 time: 7:08:34.46 UTC ML= 1.6
 lat: 47.314N lon: 18.457E h= 0.0 km
 erh= 1.6km erz= 3.5km
 nr= 9 gap=115 rms=0.51
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.0	330	PgU	7:08:36.53			0.28
			Sg		08:36.71		-0.94
CSKK	15.9	290	Pg	7:08:37.89			0.60
			Sg		08:38.94		-0.56
PKST	32.6	259	Sg	7:08:44.78			-0.04
MORH	122.9	173	Sg	7:09:13.92			0.39
PKSM	123.3	173	Sg	7:09:13.53			-0.13
PSZ	127.2	58	Sg	7:09:15.01			0.11
KOVH	139.0	191	Sn	7:09:16.93			-0.90

1582.

2023-10-20 time: 7:10:35.80 UTC ML= 1.3
 lat: 47.299N lon: 18.394E h= 0.0 km
 erh= 5.4km erz= ***km
 nr= 5 gap=172 rms=0.48
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.4	359	PgU	7:10:38.04			0.38
			Sg		10:38.43		-0.67
CSKK	12.4	306	Sg	7:10:39.80			0.07
MORH	121.9	171	Sg	7:11:13.84			-0.70
PKSM	122.3	171	Sg	7:11:15.09			0.42

1583.

2023-10-20 time: 7:39:23.69 UTC ML= 2.0
 lat: 48.435N lon: 17.263E h= 0.0 km
 erh= 2.1km erz= 4.2km
 nr= 16 gap=117 rms=0.73
 Locality: Slovakia
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res						
								PENC	93.7	172	Sg	38:21.06	-1.33
											Sg	8:38:31.48	-0.40
MODS	6.9	171	PgU	7:39:24.95			0.03	PSZ	97.6	144	Pg	8:38:21.00	1.47
			Sg	39:25.65			-0.23				Sg	38:33.51	0.38
SMOL	15.1	54	Pg	7:39:26.41			0.03	JAVC	109.4	284	Pg	8:38:22.72	1.09
			Sg	39:27.45			-1.03				Sg	38:36.09	-0.78
JAVC	55.9	32	Pg	7:39:34.08			0.41	NIE	124.3	45	Pg	8:38:25.21	0.91
			Sg	39:40.82			-0.64				Sg	38:40.17	-1.45
KRUC	94.5	318	Pg	7:39:41.24			0.67	SMOL	125.1	264	Pg	8:38:25.61	1.17
			Sg	39:51.81			-1.92				Sg	38:41.49	-0.37
VRAC	108.8	333	Pg	7:39:44.02			0.90	BUD	127.2	183	Sg	8:38:40.80	-1.72
			Sg	39:58.42			0.14	MODS	138.7	258	Sn	8:38:42.74	-2.66
RONA	109.0	221	Pg	7:39:43.40			0.25	PKSG	147.5	202	Pn	8:38:27.09	-0.43
			Sg	39:56.91			-1.42				Sn	38:45.88	-1.47
CONA	118.5	242	Pg	7:39:45.11			0.27						
			Sg	39:57.84			-3.50*						
MORC	150.6	8	Pn	7:39:50.06			0.56						
			Sn	40:08.45			-1.19						

1584.

2023-10-20 time: 8:04:10.12 UTC ML= 1.7
 lat: 45.549N lon: 17.349E h= 11.4 km
 erh= 4.4km erz= 1.9km
 nr= 10 gap=244 rms=0.42
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	79.8	62	Pg	8:04:24.15			-0.36
			Sg	04:35.54			-0.19
KOVH	83.6	44	Pg	8:04:25.60			0.41
			Sg	04:37.06			0.11
PKSM	124.5	54	Pn	8:04:31.85			0.63
			Sn	04:47.68			0.00
MORH	124.9	54	Pn	8:04:30.88			-0.39
			Sn	04:47.67			-0.10
KOGS	131.3	320	Sn	8:04:48.60			-0.60
GROS	175.4	305	Sn	8:05:00.70			1.72

1585.

2023-10-20 time: 8:35:04.68 UTC ML= 1.4
 lat: 47.097N lon: 17.972E h= 0.0 km
 erh= 1.4km erz= 524km
 nr= 13 gap=109 rms=0.44
 Locality: Litér
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	18.6	15	Pg	8:35:07.69			-0.31
			Sg	35:11.21			0.62
MPLH	33.8	284	Pg	8:35:10.85			0.13
			Sg	35:15.08			-0.35
CSKK	36.7	36	Pg	8:35:11.29			0.04
			Sg	35:16.25			-0.12
PKSG	45.6	44	Pg	8:35:13.09			0.27
			Sg	35:18.52			-0.65
MORH	110.7	152	Pg	8:35:24.74			0.29
PKSM	111.0	153	Pg	8:35:24.90			0.40
			Sg	35:38.68			-1.28
KOVH	112.6	175	Pg	8:35:24.91			0.12
			Sg	35:38.87			-1.60

1586.

2023-10-20 time: 8:38:02.10 UTC ML= 2.1
 lat: 48.626N lon: 19.115E h= 0.0 km
 erh= 2.5km erz= 4.7km
 nr= 15 gap=100 rms=1.10
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	63.8	24	Pg	8:38:13.32			-0.18

1587.

2023-10-20 time: 10:03:01.91 UTC ML= 1.8
 lat: 47.513N lon: 18.552E h= 0.0 km
 erh= 4.7km erz= 3.6km
 nr= 12 gap=111 rms=1.25
 Locality: Nagyegyháza
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	18.2	222	Pg	10:03:06.23			1.08
			Sg	03:08.34			0.66
CSKK	27.6	233	Sg	10:03:11.04			0.36
PKST	48.2	234	Sg	10:03:17.12			-0.12
PSZ	110.4	66	Sg	10:03:37.50			0.51
MODS	135.0	315	Sn	10:03:40.72			-3.67
MORH	144.4	177	Pn	10:03:27.09			0.14
			Sn	03:44.71			-1.77
PKSM	144.8	177	Pn	10:03:26.77			-0.23
			Sn	03:44.16			-2.41
KOVH	162.1	192	Pn	10:03:30.76			1.60
			Sn	03:48.94			-1.47

1588.

2023-10-20 time: 19:30:45.39 UTC ML= 2.2
 lat: 46.122N lon: 20.814E h= 10.0 km
 erh= 7.3km erz= 7.0km
 nr= 26 gap=106 rms=1.92
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	53.2	144	Pg	19:30:56.59			1.52
BZS	83.9	132	Pg	19:31:00.20			-0.29
			Sg	31:10.78			-1.48
BANR	85.9	163	Sg	19:31:14.04			1.14
SURR	109.6	112	Pn	19:31:03.78			-1.04
			Sn	31:17.87			-2.09
PKS6	109.8	299	Sn	19:31:17.16			-2.85
PKSN	112.7	320	Sn	19:31:16.92			-3.73
PKB3	129.2	285	Pn	19:31:06.51			-0.75
			Sn	31:21.23			-3.09
DRGR	163.7	63	Pn	19:31:11.50			-0.06
			Sn	31:29.87			-2.10
DEV	164.0	99	Sn	19:31:34.86			2.81
MORH	167.9	274	Pn	19:31:13.01			0.93
			Sn	31:31.79			-1.11
PKSM	168.1	273	Pn	19:31:12.85			0.74
			Sn	31:32.18			-0.76
PKB4	175.2	284	Pn	19:31:12.30			-0.70
			Sn	31:35.78			1.25
PKS9	201.8	285	Sn	19:31:43.77			3.34
KOVH	209.9	269	Pn	19:31:21.02			3.70
			Sn	31:46.57			4.35
PSZ	211.6	341	Sn	19:31:44.39			1.80
CJR	223.9	73	Sn	19:31:49.49			4.15
PKSG	232.8	307	Sn	19:31:51.59			4.28
ABAH	243.8	8	Sn	19:31:53.74			3.99

Földrengés paraméterek

Hypocenter Parameters

1589.

2023-10-20 time: 20:53:12.25 UTC ML= 1.9
 lat: 45.897N lon: 16.016E h= 13.1 km
 erh= 2.8km erz= 1.9km
 nr= 12 gap=150 rms=0.59
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.5	275	Pg	20:53:14.43	-0.28
			Sg	53:15.96	-0.68
ZAG	7.7	193	Pg	20:53:15.14	0.19
			Sg	53:17.09	0.03
CRES	44.1	260	Pg	20:53:20.97	0.51
			Sg	53:26.88	0.01
RCF6	48.7	355	Sg	20:53:27.70	-0.59
KOGS	63.9	16	Sg	20:53:34.59	1.60
GROS	74.2	328	Sg	20:53:37.07	0.86
BEHE	86.6	43	Sg	20:53:39.61	-0.49
PERS	107.5	320	Pn	20:53:31.08	0.06
			Sn	53:44.19	-1.47

1590.

2023-10-21 time: 13:50:12.46 UTC ML= 1.6
 lat: 46.385N lon: 17.927E h= 12.7 km
 erh= 1.0km erz= 1.0km
 nr= 23 gap=115 rms=0.33
 Locality: Taszár
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS9	35.1	50	Pg	13:50:19.38	0.25
			Sg	50:24.57	0.23
KOVH	35.6	158	Pg	13:50:19.38	0.17
			Sg	50:24.55	0.08
PKB4	53.5	77	Pg	13:50:22.40	0.13
			Sg	50:29.89	-0.04
TIH	57.3	357	Sg	13:50:30.31	-0.81
PKSM	58.3	109	Pg	13:50:22.74	-0.38
			Sg	50:31.30	-0.13
MORH	58.4	109	Pg	13:50:22.86	-0.27
			Sg	50:31.27	-0.18
PKSV	60.6	156	Pg	13:50:23.53	0.01
			Sg	50:31.51	-0.64
PKB5	66.3	69	Pg	13:50:25.12	0.60
			Sg	50:33.66	-0.27
PKB1	79.8	56	Pg	13:50:26.82	-0.07
PKST	97.5	5	P*	13:50:29.94	0.09
PKB3	97.6	87	S*	50:41.56	-1.85*
			P*	13:50:30.06	0.20
PKS2	99.6	83	S*	50:43.29	-0.14
			P*	13:50:30.73	0.57
PKSG	117.4	18	Pn	13:50:32.56	0.06
			Sn	50:47.47	-0.66
KOGS	129.1	273	Sn	13:50:50.49	-0.25

1591.

2023-10-23 time: 11:12:43.07 UTC ML= 1.0
 lat: 47.902N lon: 16.105E h= 0.0 km
 erh= 8.7km erz=12.4km
 nr= 6 gap=138 rms=0.43
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.4	279	Pg	11:12:46.13	-0.23
			Sg	12:48.71	-0.21
RONA	26.6	147	Pg	11:12:48.00	0.17
			Sg	12:51.29	-0.25
KRUC	130.8	9	Pn	11:13:07.16	0.75
			Sn	13:23.89	-0.73

1592.

2023-10-23 time: 12:07:28.93 UTC ML= 1.3
 lat: 45.620N lon: 17.545E h= 16.6 km
 erh= 9.4km erz= 2.5km
 nr= 9 gap=338 rms=0.56
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	62.6	62	Pg	12:07:40.43	-0.06
			Sg	07:50.24	0.73
KOVH	67.6	40	Pg	12:07:41.37	0.01
			Sg	07:50.45	-0.60
PKSM	107.5	52	Pn	12:07:47.00	-0.25
			Sn	08:01.01	-0.53
MORH	108.0	52	Pn	12:07:46.77	-0.54
			Sn	08:01.95	0.31
PKB4	127.3	40	Pn	12:07:51.04	1.32

1593.

2023-10-23 time: 12:14:48.03 UTC ML= 1.5
 lat: 47.515N lon: 16.336E h= 8.3 km
 erh= 2.7km erz= 1.9km
 nr= 16 gap=203 rms=0.68
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.7	352	PgU	12:14:52.25	0.24
			Sg	14:54.28	-0.84
SOP	25.1	42	PgU	12:14:53.32	0.57
			Sg	14:55.98	-0.45
CONA	58.1	322	Pg	12:14:58.83	0.32
			Sg	15:06.11	-0.57
ARSA	68.1	244	Pg	12:14:59.80	-0.47
			Sg	15:09.50	-0.32
WINA	68.7	343	Pg	12:15:01.02	0.63
			Sg	15:10.01	-0.02
MODS	118.6	36	Pn	12:15:08.11	-0.68
			Sn	15:23.68	-1.30
ABNA	145.0	332	Pn	12:15:14.31	2.23
			Sn	15:31.38	0.54
KRUC	172.0	1	Pn	12:15:16.47	1.02
			Sn	15:36.12	-0.73

1594.

2023-10-23 time: 12:31:41.87 UTC ML= 1.7
 lat: 48.774N lon: 18.810E h= 10.0 km
 erh= 4.0km erz= 3.8km
 nr= 10 gap= 91 rms=0.85
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
LANS	63.8	49	Pg	12:31:53.51	0.11
			Sg	32:01.37	-1.02
JAVC	84.2	276	Pg	12:31:57.66	0.64
			Sg	32:07.67	-1.17
PENC	114.8	162	Sn	12:32:17.20	-0.40
MODS	121.6	249	Sn	12:32:17.93	-1.17
PSZ	124.5	140	Pn	12:32:04.19	1.04
			Sn	32:18.80	-0.96
MORC	144.7	320	Pn	12:32:06.69	1.02
			Sn	32:23.54	-0.70

Hypocenter Parameters

Földrengés paraméterek

1595.
 2023-10-24 time: 8:10:20.47 UTC ML= 1.1
 lat: 47.276N lon: 18.224E h= 0.0 km
 erh= 4.0km erz= 482km
 nr= 6 gap=218 rms=0.30
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.1	16	Pg	8:10:22.68			0.40
			Sg		10:23.89		0.20
PKST	14.5	263	Pg	8:10:23.03			-0.02
			Sg		10:24.68		-0.38
PKSG	18.1	44	Pg	8:10:23.66			-0.03
			Sg		10:25.62		-0.59

1596.
 2023-10-24 time: 8:35:58.39 UTC ML= 1.6
 lat: 48.522N lon: 17.451E h= 0.0 km
 erh= 1.9km erz= 2.4km
 nr= 10 gap=195 rms=0.31
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	1.9	241	PgU	8:35:58.61			-0.12
			Sg		35:59.24		0.24
MODS	20.9	218	Pg	8:36:02.21			0.08
			Sg		36:04.29		-0.76
JAVC	40.8	23	Pg	8:36:05.58			-0.10
			Sg		36:11.21		-0.16
KRUC	98.1	308	Pg	8:36:15.87			-0.04
RONA	125.5	223	Pg	8:36:20.90			0.09
CONA	135.3	241	Pn	8:36:22.87			0.57
			Sn		36:37.28		-3.66*

1597.
 2023-10-24 time: 9:11:44.89 UTC ML= 0.8
 lat: 47.197N lon: 18.287E h= 0.0 km
 erh= 2.2km erz= 557km
 nr= 7 gap=146 rms=0.38
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.6	354	Pg	9:11:48.44			0.22
			Sg		11:50.77		-0.04
PKST	20.4	290	Pg	9:11:48.83			0.30
			Sg		11:50.87		-0.49
PKSG	23.1	20	Pg	9:11:49.30			0.29
			Sg		11:51.62		-0.60
PKSM	112.8	166	Sg	9:12:20.06			-0.68

1598.
 2023-10-24 time: 9:53:55.70 UTC ML= 1.8
 lat: 47.887N lon: 20.208E h= 0.0 km
 erh= 3.8km erz= 3.9km
 nr= 9 gap=134 rms=0.90
 Locality: Egerszólát
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	23.7	278	PgU	9:54:01.03			1.09
			Sg		54:02.63		-0.61
ABAH	89.3	59	Sg	9:54:23.69			-0.39
PKSN	113.0	193	Sg	9:54:29.74			-1.89
PKS7	122.3	220	Sg	9:54:35.56			0.99
PKSG	147.3	248	Pn	9:54:21.47			0.37
			Sn		54:39.94		-0.97
NIE	170.5	3	Sn	9:54:45.46			-0.60

PKST 177.9 247 Sn 9:54:47.61 -0.09

1599.
 2023-10-24 time: 10:00:03.00 UTC ML= 2.0
 lat: 48.900N lon: 20.486E h= 0.0 km
 erh= 2.6km erz= 3.3km
 nr= 17 gap= 75 rms=1.00
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
NIE	59.1	348	Pg	10:00:14.66			1.11
			Sg		00:20.36		-1.41
LANS	79.5	291	Pg	10:00:17.16			-0.03
			Sg		00:27.65		-0.61
STHS	79.8	44	Pg	10:00:18.09			0.85
			Sg		00:26.08		-2.27
ABAH	87.2	140	Pg	10:00:18.88			0.31
			Sg		00:30.93		0.21
PSZ	117.6	202	Pg	10:00:24.28			0.28
			Sg		00:38.60		-1.78
KOLS	131.1	88	Pn	10:00:26.63			0.25
			Sn		00:42.36		-2.25
PENC	152.3	216	Sn	10:00:47.99			-1.32
			Pn	10:00:30.46			1.11
TRPA	174.2	119	Sn	00:48.93			-0.98
			Pn	10:00:32.81			1.06
			Sn	00:53.70			-0.48

1600.
 2023-10-24 time: 10:52:56.07 UTC ML= 1.9
 lat: 47.307N lon: 18.439E h= 0.0 km
 erh= 2.3km erz= 5.0km
 nr= 10 gap=114 rms=0.77
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	10.1	339	PgU	10:52:58.31			0.43
			Sg		52:58.90		-0.39
CSKK	14.9	295	PgU	10:52:59.51			0.78
			Sg		53:00.37		-0.43
PKST	31.1	260	Sg	10:53:05.77			-0.19
MPLH	69.8	257	Sg	10:53:17.23			-1.03
MORH	122.3	173	Sg	10:53:36.09			1.14
PKSM	122.7	173	Sg	10:53:35.70			0.62
PSZ	128.8	58	Sg	10:53:35.62			-1.40
KOVH	137.9	191	Sn	10:53:38.13			-1.08

1601.
 2023-10-24 time: 11:01:04.35 UTC ML= 2.0
 lat: 48.839N lon: 20.919E h= 0.0 km
 erh= 2.4km erz= 4.3km
 nr= 15 gap= 72 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	64.9	159	Pg	11:01:16.83			0.89
			Sg		01:24.19		-0.79
STHS	68.5	20	Pg	11:01:17.46			0.88
			Sg		01:25.91		-0.20
NIE	78.2	326	Pg	11:01:18.86			0.55
			Sg		01:27.94		-1.26
KOLS	99.9	84	Pg	11:01:22.51			0.32
			Sg		01:34.80		-1.30
LANS	111.7	288	Pg	11:01:23.68			-0.62
			Sg		01:38.01		-1.85
PSZ	127.5	217	Pg	11:01:27.94			0.83
			Sg		01:44.06		-0.81
TRPA	143.4	123	Sn	11:01:47.24			-1.46
OJC	173.6	332	Pn	11:01:34.20			1.16

Földrengés paraméterek

Hypocenter Parameters

Sn 01:54.83 -0.58
 1602.

2023-10-24 time: 11:14:51.00 UTC ML= 1.5
 lat: 47.285N lon: 18.404E h= 0.0 km
 erh= 6.4km erz= ***km
 nr= 5 gap=176 rms=0.51
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	11.9	355	PgU	11:14:53.71			0.58
			Sg	14:53.89			-0.90
CSKK	13.9	309	Sg	11:14:55.28			-0.14
MORH	120.2	171	Sg	11:15:29.29			0.07
PKSM	120.7	171	Sg	11:15:29.05			-0.30

1603.

2023-10-24 time: 13:44:29.31 UTC ML= 1.9
 lat: 47.106N lon: 19.358E h= 0.0 km
 erh= 3.7km erz= 667km
 nr= 14 gap=185 rms=0.61
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	16.3	247	Pg	13:44:32.53			0.31
			Sg	44:34.72			0.23
PKB1	55.9	230	Pg	13:44:39.29			-0.01
			Sg	44:46.48			-0.61
PKB5	74.0	220	Pg	13:44:43.52			1.00
PENC	76.4	356	Pg	13:44:43.83			0.89
PKB4	88.9	220	Pg	13:44:45.44			0.26
PSZ	99.0	24	Pg	13:44:46.53			-0.45
			Sg	44:59.84			-0.93
PKS9	100.5	235	Pg	13:44:47.32			0.07
MORH	113.0	209	Pg	13:44:49.35			-0.13
			Sg	45:03.87			-1.35
PKSM	113.5	209	Pg	13:44:49.39			-0.18
			Sg	45:03.75			-1.63

1604.

2023-10-25 time: 10:00:45.57 UTC ML= 1.6
 lat: 48.123N lon: 16.874E h= 0.0 km
 erh= 3.3km erz= 4.8km
 nr= 8 gap=179 rms=0.71
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	41.0	47	Pg	10:00:52.92			0.04
			Sg	00:57.85			-0.74
JAVC	100.9	36	Sg	10:01:18.27			0.63
KRUC	110.2	341	Pg	10:01:05.93			0.67
			Sg	01:19.84			-0.77
VRAC	133.5	351	Sn	10:01:25.18			-2.53
ARSA	140.3	226	Pn	10:01:10.52			0.42
			Sn	01:28.74			-0.49

1605.

2023-10-25 time: 10:13:31.56 UTC ML= 1.8
 lat: 46.871N lon: 17.259E h= 0.0 km
 erh= 2.3km erz= 3.7km
 nr= 19 gap= 94 rms=1.12
 Locality: Zalaszentő
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	39.5	33	Pg	10:13:39.52			0.91
			Sg	13:43.66			-0.45

TIH	48.4	86	Sg	10:13:47.81			0.86
PKST	73.0	54	Pg	10:13:45.86			1.27
			Sg	13:54.86			0.10
KOGS	90.4	239	Sg	10:14:00.20			-0.09
CSKK	93.6	54	Sg	10:13:59.94			-1.38
PKSG	103.6	56	Sg	10:14:03.86			-0.61
KOVH	108.4	143	Pg	10:13:52.43			1.52
			Sg	14:05.50			-0.50
RONA	117.4	322	Pg	10:13:53.06			0.53
			Sg	14:07.46			-1.42
MORH	128.8	124	Pg	10:13:55.40			0.84
			Sg	14:10.27			-2.23
PKSM	128.9	125	Pg	10:13:54.86			0.29
			Sg	14:10.74			-1.79
SRO	131.6	37	Sn	10:14:11.29			-2.00
PKSV	133.3	145	Sn	10:14:12.00			-1.66
GROS	142.0	251	Sn	10:14:14.42			-1.17

1606.

2023-10-25 time: 10:34:27.57 UTC ML= 1.8
 lat: 48.713N lon: 22.384E h= 0.0 km
 erh= 4.1km erz= 897km
 nr= 7 gap=188 rms=0.61
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOLS	25.8	342	Pg	10:34:31.74			-0.43
			Sg	34:36.83			1.07
TRPA	65.8	170	Pg	10:34:39.02			-0.31
			Sg	34:49.20			0.70
ABAH	96.4	241	Pg	10:34:44.03			-0.76
			Sg	34:58.27			0.04
STHS	114.3	313	Pg	10:34:48.61			0.63
PSZ	204.7	244	Sn	10:35:29.78			4.26*

1607.

2023-10-25 time: 10:37:31.22 UTC ML= 1.6
 lat: 48.617N lon: 20.811E h= 0.0 km
 erh= 6.7km erz= 9.5km
 nr= 7 gap=172 rms=1.21
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	47.7	138	Pg	10:37:41.10			1.36
			Sg	37:45.80			-0.59
PSZ	103.2	221	Pg	10:37:50.37			0.72
			Sg	38:02.46			-1.58
LANS	115.0	301	Pg	10:37:52.41			0.66
			Sg	38:05.71			-2.06
TRPA	139.0	113	Sn	10:38:13.07			-1.52

1608.

2023-10-25 time: 11:03:22.83 UTC ML= 1.0
 lat: 48.015N lon: 16.137E h= 0.0 km
 erh= 2.3km erz= 595km
 nr= 6 gap=152 rms=0.34
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	22.7	245	Pg	11:03:26.87			-0.02
			Sg	03:29.99			-0.06
RONA	37.0	161	Pg	11:03:29.68			0.24
			Sg	03:34.22			-0.38
KRUC	118.0	9	Pg	11:03:44.16			0.27
			Sg	03:59.11			-1.21

Hypocenter Parameters

Földrengés paraméterek

1609.

2023-10-25 time: 14:19:51.94 UTC ML= 2.0
 lat: 47.085N lon: 19.365E h= 0.0 km
 erh= 5.3km erz= 7.6km
 nr= 12 gap=186 rms=0.90
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.1	255	PgU	14:19:55.30	0.49
			Sg	19:56.33	-0.72
PKB1	55.0	232	Pg	14:20:01.96	0.20
PKB5	72.7	221	Pg	14:20:06.54	1.63
PENC	78.6	355	Pg	14:20:06.77	0.79
PKB4	87.6	222	Pg	14:20:08.53	0.95
PKS9	99.7	236	Pg	14:20:09.67	-0.07
PSZ	100.8	23	Pg	14:20:09.55	-0.39
MORH	111.3	210	Pg	14:20:11.19	-0.63
PKSM	111.8	210	Pg	14:20:11.59	-0.32
			Sg	20:25.27	-2.21
KOVH	147.3	221	Pn	14:20:15.81	-1.53

1610.

2023-10-26 time: 5:43:25.59 UTC ML= 1.4
 lat: 48.995N lon: 21.683E h= 0.0 km
 erh= 3.4km erz= 960km
 nr= 6 gap=133 rms=0.59
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	43.8	99	Pg	5:43:33.67	0.26
			Sg	43:39.07	-0.44
STHS	56.8	326	Sg	5:43:43.53	-0.10
ABAH	84.3	203	Sg	5:43:51.59	-0.79
NIE	110.4	295	Pg	5:43:46.12	0.83
			Sg	43:59.89	-0.77

1611.

2023-10-26 time: 7:56:41.38 UTC ML= 1.9
 lat: 48.408N lon: 17.227E h= 0.0 km
 erh= 1.6km erz= 2.5km
 nr= 19 gap= 78 rms=0.82
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	5.3	135	PgU	7:56:42.98	0.65
			Sg	56:43.88	0.81
SMOL	19.0	52	Pg	7:56:44.55	-0.23
			Sg	56:47.83	0.40
JAVC	59.9	33	Pg	7:56:52.53	0.45
			Sg	57:00.12	-0.31
KRUC	95.1	320	Pg	7:56:59.26	0.90
			Sg	57:10.45	-1.15
RONA	104.9	221	Pg	7:57:00.64	0.52
			Sg	57:13.12	-1.62
VRAC	110.4	335	Pg	7:57:01.53	0.43
			Sg	57:15.30	-1.18
CONA	114.7	242	Pg	7:57:02.49	0.62
			Sg	57:17.12	-0.72
PKST	141.3	155	Sn	7:57:23.36	-1.90
PKSG	142.6	142	Sn	7:57:23.28	-2.27
MORC	154.0	9	Pn	7:57:07.79	0.17
			Sn	57:26.96	-1.12
PENC	167.7	114	Sn	7:57:30.19	-0.94

1612.

2023-10-26 time: 8:46:16.12 UTC ML= 1.4
 lat: 46.155N lon: 17.998E h= 0.0 km
 erh= 2.8km erz= 533km
 nr= 10 gap=215 rms=0.42
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	10.8	133	Pg	8:46:18.17	0.12
			Sg	46:19.31	-0.24
PKSV	35.6	146	Pg	8:46:22.63	0.16
			Sg	46:26.59	-0.83
PKSM	50.0	83	Pg	8:46:25.53	0.48
			Sg	46:31.56	-0.46
MORH	50.3	82	Pg	8:46:25.53	0.43
			Sg	46:31.83	-0.28
PKB5	74.9	49	Pg	8:46:29.39	-0.10
PKST	122.7	1	Sg	8:46:53.61	-1.52

1613.

2023-10-26 time: 8:54:11.27 UTC ML= 0.7
 lat: 46.172N lon: 18.307E h= 0.0 km
 erh= 1.3km erz= 241km
 nr= 8 gap=200 rms=0.17
 Locality: Zobákpuszta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.5	240	PgU	8:54:14.29	-0.29
			Sg	54:17.50	0.34
PKSM	26.2	80	Pg	8:54:16.05	0.10
			Sg	54:19.61	0.02
MORH	26.5	79	Pg	8:54:16.13	0.13
			Sg	54:19.53	-0.16
PKSV	31.8	188	Pg	8:54:16.87	-0.08
			Sg	54:21.45	0.07

1614.

2023-10-26 time: 9:29:48.97 UTC ML= 2.3
 lat: 48.266N lon: 21.378E h= 0.0 km
 erh= 6.9km erz= 7.8km
 nr= 7 gap=107 rms=1.25
 Locality: Erdőbénye
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	10.8	288	PgU	9:29:52.41	1.51
			Sg	29:53.11	0.70
KOLS	99.3	42	Sg	9:30:19.09	-1.45
PSZ	117.1	251	Pg	9:30:10.41	0.53
			Sg	30:24.03	-2.15
NIE	150.2	329	Sn	9:30:33.34	-1.48
DRGR	192.2	149	Sn	9:30:44.22	0.07

1615.

2023-10-26 time: 9:50:27.73 UTC ML= 0.9
 lat: 47.210N lon: 18.282E h= 0.0 km
 erh= 4.3km erz= 821km
 nr= 8 gap=199 rms=0.58
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.1	355	Pg	9:50:31.01	0.22
			Sg	50:33.05	-0.13
PKST	19.5	286	Pg	9:50:31.19	-0.03
			Sg	50:33.05	-0.89
PKSG	21.9	22	Pg	9:50:31.70	0.07
			Sg	50:34.17	-0.50

Földrengés paraméterek

Hypocenter Parameters

TIH 45.4 221 Sg 9:50:41.11 -1.04
 MPLH 56.4 266 Pg 9:50:38.84 1.03

1619.

1616.

2023-10-26 time: 10:09:25.47 UTC ML= 2.9
 lat: 45.642N lon: 21.887E h= 10.0 km
 erh= 2.8km erz= 2.1km
 nr= 15 gap=100 rms=0.73

Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.3	262	Pg	10:09:29.20	-0.47
			Sg	09:32.04	-0.90
SURR	22.3	56	Pg	10:09:30.21	0.37
			Sg	09:32.78	-0.46
TIM	52.9	281	Pg	10:09:35.35	0.26
			Sg	09:42.60	0.00
BANR	65.4	244	Pg	10:09:37.84	0.55
			Sg	09:46.80	0.29
DJES	122.8	156	Pn	10:09:46.79	0.25
			Sn	10:01.80	-1.18
DRGR	142.7	26	Pn	10:09:48.57	-0.45
			Sn	10:05.20	-2.20
CJR	177.9	48	Pn	10:09:55.14	1.73
			Sn	10:16.31	1.12
LTVH	193.7	0	Sn	10:10:17.55	-1.16

1617.

2023-10-26 time: 13:37:14.55 UTC ML= 1.7
 lat: 45.545N lon: 17.296E h= 0.0 km
 erh= 4.2km erz= ***km
 nr= 10 gap=135 rms=0.83

Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	83.7	63	Pg	13:37:30.36	0.87
			Sg	37:41.16	0.01
KOVH	86.9	46	Pg	13:37:31.08	1.01
			Sg	37:43.12	0.94
BLY	88.9	186	Pg	13:37:30.44	0.02
PKSM	128.1	55	Pg	13:37:37.12	-0.30
			Sg	37:53.86	-1.41
MORH	128.5	55	Pg	13:37:36.96	-0.54
			Sg	37:53.73	-1.68
KOGS	129.0	321	Sg	13:37:54.48	-1.07

1618.

2023-10-26 time: 15:00:05.24 UTC ML= 1.6
 lat: 47.101N lon: 19.365E h= 0.0 km
 erh= 8.1km erz= ***km
 nr= 6 gap=186 rms=0.89

Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.6	249	Pg	15:00:08.53	0.32
			Sg	00:10.72	0.19
PENC	76.9	355	Pg	15:00:20.15	1.18
PSZ	99.2	24	Pg	15:00:22.74	-0.22
			Sg	00:35.42	-1.36
PKSM	113.3	209	Sg	15:00:39.68	-1.58

2023-10-27 time: 9:49:19.25 UTC ML= 2.5
 lat: 45.948N lon: 16.694E h= 11.7 km
 erh= 1.7km erz= 1.6km
 nr= 50 gap= 80 rms=0.91

Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	55.9	256	Sg	9:49:36.88	-0.53
PTJ	57.3	265	Pg	9:49:29.45	-0.25
			Sg	49:37.29	-0.56
BEHE	58.3	6	Pg	9:49:29.96	0.08
			Sg	49:38.05	-0.12
R93E	63.1	166	Pg	9:49:31.65	0.93
KOGS	65.3	328	Pg	9:49:30.74	-0.35
			Sg	49:39.91	-0.42
RCF6	71.1	307	Pg	9:49:31.99	-0.12
			Sg	49:41.46	-0.69
GOLS	83.2	275	iPg	9:49:34.28	0.03
			iSg	49:46.13	0.18
GCIS	83.2	264	iPg	9:49:34.34	0.08
CREG	97.0	262	P*	9:49:36.91	0.25
			S*	49:49.27	-0.97
GROS	108.2	302	Pn	9:49:37.55	-0.74
			Sn	49:51.82	-1.32
KOVH	110.0	82	Pn	9:49:37.15	-1.36
			Sn	49:50.87	-2.66
PKSV	121.1	93	Pn	9:49:39.26	-0.63
			Sn	49:53.37	-2.62
BOJS	122.6	246	iPn	9:49:40.63	0.54
BLY	138.7	164	Pn	9:49:42.97	0.88
			Sn	49:58.66	-1.25
TIH	140.3	41	Pn	9:49:42.90	0.61
			Sn	50:00.44	0.18
PKS9	141.3	60	Sn	9:50:01.02	0.54
PERS	143.6	302	Pn	9:49:44.02	1.32
			Sn	50:00.39	-0.59
MPLH	150.5	26	Pn	9:49:43.88	0.32
SOKA	151.5	302	Pn	9:49:45.55	1.86
			Sn	50:02.41	-0.33
PKSM	153.5	79	Pn	9:49:42.55	-1.38
			Sn	50:03.74	0.56
MORH	153.8	79	Pn	9:49:42.59	-1.38
			Sn	50:03.64	0.40
PKB4	159.5	68	Pn	9:49:46.74	2.06
			Sn	50:05.67	1.16
ARSA	170.3	328	Pn	9:49:46.34	0.31
OBKA	176.8	291	Pn	9:49:48.02	1.17
			Sn	50:08.74	0.37
PKST	178.3	35	Pn	9:49:46.73	-0.29
PKB1	186.3	60	Pn	9:49:51.12	3.09
RONA	197.0	351	Pn	9:49:49.84	0.48
PKB3	200.2	75	Sn	9:50:17.79	4.24*
CONA	229.1	344	Pn	9:49:53.91	0.55
			Sn	50:18.79	-1.17
WINA	244.6	349	Pn	9:49:55.99	0.69
			Sn	50:23.32	-0.09
MOA	280.9	319	Pn	9:50:00.91	1.09
			Sn	50:32.64	1.18
BIOA	303.2	310	Sn	9:50:36.65	0.24*
ABNA	317.3	343	Pn	9:50:05.17	0.81*

1620.

2023-10-27 time: 10:00:36.01 UTC ML= 2.0
 lat: 48.871N lon: 20.877E h= 0.0 km
 erh= 1.7km erz= 3.2km
 nr= 15 gap= 72 rms=0.67

Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	66.3	24	Pg	10:00:48.67	0.81

Hypocenter Parameters

Földrengés paraméterek

		Sg	00:55.97	-1.13
ABAH	69.3 157	Pg	10:00:48.83	0.45
		Sg	00:57.22	-0.82
NIE	73.5 326	Pg	10:00:49.77	0.63
		Sg	00:59.26	-0.12
KOLS	102.6 86	Pg	10:00:54.40	0.07
		Sg	01:07.50	-1.13
LANS	107.7 287	Pg	10:00:54.79	-0.44
		Sg	01:09.78	-0.45
PSZ	128.5 214	Pg	10:00:58.87	-0.08
		Sg	01:15.58	-1.27
OJC	169.1 333	Pn	10:01:04.83	0.70
		Sn	01:25.94	-0.12
LTVH	182.0 155	Sn	10:01:30.26	1.34

1621.

2023-10-27 time: 13:03:43.41 UTC ML= 1.7
 lat: 48.006N lon: 16.923E h= 7.8 km
 erh= 2.1km erz= 1.6km
 nr= 15 gap=184 rms=0.47
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	45.0	217	Pg	13:03:51.38	-0.19
			Sg	03:57.58	-0.35
MODS	48.7	33	Pg	13:03:52.40	0.18
			Sg	03:58.13	-0.96
RONA	57.9	234	Pg	13:03:53.81	-0.04
			Sg	04:01.42	-0.56
WINA	64.3	280	Sg	13:04:04.06	0.05
CONA	79.7	264	Pg	13:03:58.46	0.75
			Sg	04:08.64	-0.22
KRUC	123.7	342	Pn	13:04:05.29	0.41
			Sn	04:20.79	-0.84
ABNA	132.9	304	Pn	13:04:06.87	0.85
			Sn	04:23.27	-0.39
ARSA	134.6	231	Sn	13:04:24.10	0.07
VRAC	146.9	351	Sn	13:04:26.55	-0.22

1622.

2023-10-29 time: 1:53:44.45 UTC ML= 0.1
 lat: 47.706N lon: 16.178E h= 10.0 km
 erh= 0.4km erz= 0.3km
 nr= 5 gap=138 rms=0.26
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	8.9	94	Pg	1:53:46.98	0.14
			Sg	53:48.55	-0.16
CONA	34.2	316	Sg	1:53:55.73	-0.05
KOGS	139.9	178	Sn	1:54:26.10	0.35
GROS	147.6	200	Sn	1:54:26.88	-0.57

1623.

2023-10-30 time: 0:23:05.61 UTC ML= 1.0
 lat: 47.035N lon: 17.389E h= 5.6 km
 erh= 3.1km erz= 6.8km
 nr= 6 gap=291 rms=0.20
 Locality: Nemeshany
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	18.9	37	Pg	0:23:09.08	-0.05
			Sg	23:11.84	-0.03
EGYH	42.7	354	Sg	0:23:19.34	0.04
PKST	54.9	63	Sg	0:23:22.70	-0.46
PKSG	85.6	62	Pg	0:23:20.98	0.04
			Sg	23:33.29	0.40

1624.

2023-10-30 time: 13:10:32.06 UTC ML= 1.4
 lat: 47.585N lon: 18.372E h= 0.0 km
 erh= 4.7km erz= 471km
 nr= 5 gap=321 rms=0.22
 Locality: Vértesszőlős
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.5	176	Pg	13:10:35.63	-0.27
			Sg	10:38.99	0.09
CSKK	26.0	199	Pg	13:10:37.00	0.29
			Sg	10:40.27	-0.07
PKST	44.3	215	Sg	13:10:46.08	-0.06

1625.

2023-10-30 time: 13:18:52.93 UTC ML= 1.7
 lat: 47.715N lon: 18.631E h= 0.0 km
 erh= 5.7km erz= 5.4km
 nr= 15 gap=234 rms=1.12
 Locality: Tát
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	26.2	295	Pg	13:18:58.18	0.57
			Sg	19:00.75	-0.50
PKSG	40.3	207	Pg	13:19:01.69	1.57
			Sg	19:05.51	-0.22
CSKK	48.1	215	Pg	13:19:01.85	0.33
			Sg	19:07.31	-0.90
PKST	67.8	222	Sg	13:19:13.31	-1.17
MPLH	102.2	234	Pg	13:19:12.37	1.18
MODS	124.7	306	Pg	13:19:15.18	-0.02
			Sg	19:30.16	-2.40
PKS9	128.3	192	Sg	13:19:31.01	-2.69
MORH	166.7	180	Pn	13:19:21.19	0.44
			Sn	19:41.15	-1.30
PKSM	167.1	180	Pn	13:19:21.58	0.77
			Sn	19:40.68	-1.87

1626.

2023-10-30 time: 13:59:14.03 UTC ML= 2.0
 lat: 47.664N lon: 16.410E h= 8.2 km
 erh= 1.9km erz= 1.5km
 nr= 29 gap= 62 rms=0.84
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	9.4	295	PgU	13:59:16.61	0.35
			Sg	59:18.08	0.08
SOP	11.3	79	Pg	13:59:16.83	0.31
			Sg	59:18.61	0.14
CONA	50.5	306	Pg	13:59:23.64	0.47
			Sg	59:29.36	-0.94
WINA	55.4	333	Pg	13:59:24.82	0.80
			Sg	59:32.04	0.22
EGYH	74.6	112	Pg	13:59:27.66	0.23
			Sg	59:38.01	0.13
ARSA	81.2	235	Pg	13:59:26.96	-1.64
			Sg	59:36.13	-3.84*
MPLH	101.4	123	Pg	13:59:32.17	-0.02
			Sg	59:45.34	-1.01
MODS	102.0	39	Pg	13:59:31.77	-0.53
			Sg	59:44.32	-2.24
PKST	130.5	110	Pn	13:59:36.58	0.30
			Sn	59:53.10	-0.54
ABNA	133.4	327	Pn	13:59:37.69	1.04
			Sn	59:52.49	-1.81
KOGS	135.7	185	Pn	13:59:37.28	0.34
			Sn	59:52.61	-2.20
GROS	150.5	207	Pn	13:59:39.38	0.60

Földrengés paraméterek

Hypocenter Parameters

RCF6 151.9 193 Pn 13:59:39.81 0.86
 Sn 59:58.52 0.13
 KRUC 155.4 360 Pn 13:59:39.82 0.43
 Sn 59:58.57 -0.61
 MOA 162.1 277 Pn 13:59:41.20 0.97
 Sn 14:00:02.18 1.52

1627.

2023-10-31 time: 8:56:38.44 UTC ML= 1.0
 lat: 47.932N lon: 16.446E h= 0.0 km
 erh= 2.7km erz= 799km
 nr= 8 gap=112 rms=0.57
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	28.1	203	PgU	8:56:43.23	-0.23
			Sg	56:46.44	-0.94
SOP	28.9	163	Pg	8:56:43.94	0.35
CONA	43.7	270	Pg	8:56:47.01	0.77
			Sg	56:52.43	0.11
MODS	79.0	52	Sg	8:57:03.72	0.17
KRUC	125.7	358	Pg	8:57:00.68	-0.21
			Sg	57:16.88	-1.52

1628.

2023-10-31 time: 9:16:47.68 UTC ML= 1.5
 lat: 47.057N lon: 18.035E h= 0.0 km
 erh= 2.2km erz= 792km
 nr= 13 gap= 91 rms=0.66
 Locality: Balatonfűzfő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	20.5	212	Sg	9:16:54.52	0.32
PKST	22.5	360	Pg	9:16:51.43	-0.27
			Sg	16:54.40	-0.43
CSKK	38.1	27	Pg	9:16:54.79	0.30
			Sg	16:59.33	-0.47
MPLH	39.7	289	Sg	9:17:00.35	0.06
PKB1	65.1	118	Pg	9:17:01.29	1.98
MORH	104.5	153	Pg	9:17:06.49	0.15
			Sg	17:20.11	-0.78
PKSM	104.8	154	Pg	9:17:06.33	-0.06
			Sg	17:19.83	-1.16
KOVH	107.8	177	Pg	9:17:07.20	0.27
			Sg	17:21.16	-0.78

1629.

2023-10-31 time: 11:07:12.33 UTC ML= 1.4
 lat: 47.848N lon: 16.116E h= 0.0 km
 erh= 1.7km erz= 2.4km
 nr= 5 gap=205 rms=0.86
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	21.0	295	Pg	11:07:17.06	0.99
			Sg	07:18.48	-0.51
ARSA	80.0	214	Sg	11:07:36.64	-1.13
KRUC	136.5	9	Pn	11:07:36.74	0.36
			Sn	07:53.99	-1.16

1630.

2023-10-31 time: 15:25:51.80 UTC ML= 1.4
 lat: 47.978N lon: 16.531E h= 10.0 km
 erh= 4.9km erz= 6.1km
 nr= 9 gap=141 rms=0.63
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	35.6	210	Pg	15:25:59.04	0.63
			Sg	26:03.34	-0.22
WINA	37.0	293	Pg	15:25:59.02	0.37
			Sg	26:03.31	-0.69
CONA	50.3	264	Pg	15:26:01.15	0.19
			Sg	26:07.84	-0.27
EGYH	86.6	136	Sg	15:26:18.17	-1.35
KRUC	120.9	355	Pn	15:26:13.18	0.55
			Sn	26:27.71	-1.17

1631.

2023-11-01 time: 8:29:47.43 UTC ML= 2.0
 lat: 48.813N lon: 16.156E h= 0.0 km
 erh= 3.6km erz= 5.5km
 nr= 17 gap=195 rms=1.03
 Locality: Czechia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KRUC	32.7	32	Pg	8:29:53.48	0.21
			Sg	29:56.61	-1.22
VRAC	63.7	30	Pg	8:29:58.61	-0.19
			Sg	30:06.81	-0.86
MODS	96.1	121	Pg	8:30:05.20	0.61
			Sg	30:17.31	-0.66
SMOL	99.5	110	Pg	8:30:06.67	1.48
			Sg	30:19.82	0.76
CONA	100.8	192	Pg	8:30:05.30	-0.12
			Sg	30:17.70	-1.76
JAVC	111.3	87	Pg	8:30:08.51	1.20
			Sg	30:21.70	-1.11
RONA	124.3	175	Pg	8:30:09.18	-0.44
			Sg	30:24.71	-2.21
MORC	147.2	43	Pn	8:30:12.75	-0.06
			Sn	30:30.92	-1.69
ARSA	180.1	195	Pn	8:30:18.97	2.06

1632.

2023-11-01 time: 8:37:26.64 UTC ML= 1.8
 lat: 46.055N lon: 22.798E h= 0.0 km
 erh= 3.1km erz= 6.2km
 nr= 9 gap=116 rms=0.75
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.7	157	Pg	8:37:30.00	-0.35
			Sg	37:32.66	-0.57
SURR	62.0	237	Sg	8:37:46.14	-0.21
DRGR	82.2	355	Pg	8:37:41.26	-0.06
			Sg	37:51.60	-1.17
BZS	103.9	242	Pg	8:37:46.51	1.32
			Sg	37:59.19	-0.47
VOIR	188.2	111	Pn	8:37:58.21	1.06
			Sn	38:20.48	-0.46

1633.

2023-11-02 time: 0:32:47.39 UTC ML= 1.4
 lat: 45.624N lon: 17.743E h= 16.5 km
 erh= 7.4km erz= 3.6km
 nr= 12 gap=151 rms=1.00
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	49.3	53	Pg	0:32:57.29	0.61
			Sg	33:03.38	-0.54
KOVH	58.6	28	PgD	0:32:57.93	-0.33
			Sg	33:03.60	-3.14
PKSM	95.5	47	P*	0:33:04.53	0.40

Hypocenter Parameters

MORH 96.0 47 S* 33:16.14 -1.05
 P* 0:33:04.53 0.33
 S* 33:15.81 -1.50
 BLY 106.7 204 Sn 0:33:18.93 -0.92
 PKB4 117.7 34 Pn 0:33:08.77 1.78
 Sn 33:22.98 0.70
 ZAG 138.1 280 Sn 0:33:26.47 -0.34

1634.

2023-11-02 time: 10:08:43.28 UTC ML= 1.0
 lat: 47.195N lon: 18.292E h= 0.0 km
 erh= 2.0km erz= 588km
 nr= 10 gap=147 rms=0.46
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.8	353	Pg	10:08:47.12	0.48
			Sg	08:49.12	-0.15
PKST	20.8	290	Pg	10:08:47.01	0.02
			Sg	08:49.52	-0.36
PKSG	23.1	19	Pg	10:08:47.40	0.00
			Sg	08:49.97	-0.65
MORH	112.1	166	Pg	10:09:04.05	0.75
			Sg	09:17.84	-1.08
PKSM	112.5	166	Pg	10:09:03.38	0.01
			Sg	09:18.55	-0.49

1635.

2023-11-02 time: 10:38:34.21 UTC ML= 2.4
 lat: 48.690N lon: 22.433E h= 0.0 km
 erh= 6.0km erz= 4.0km
 nr= 11 gap=250 rms=0.82
 Locality: Ukraine
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	29.5	337	Pg	10:38:39.19	-0.29
			Sg	38:44.54	0.96
ABAH	98.5	244	Pg	10:38:51.94	0.15
			Sg	39:05.44	-0.07
STHS	118.7	313	Pg	10:38:54.64	-0.76
			Sg	39:11.23	-0.71
NIE	174.9	298	Pn	10:39:04.78	1.73
			Sn	39:26.10	0.56
PSZ	206.9	246	Sn	10:39:36.98	4.33*
LANS	223.3	283	Pn	10:39:07.85	-1.23
BSZH	223.6	226	Sn	10:39:36.05	-0.32

1636.

2023-11-02 time: 11:56:23.40 UTC ML= 2.1
 lat: 47.314N lon: 18.435E h= 0.0 km
 erh= 1.4km erz= 3.0km
 nr= 9 gap=114 rms=0.40
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.2	339	PgU	11:56:25.20	0.15
			Sg	56:25.57	-0.77
CSKK	14.2	292	Pg	11:56:26.45	0.51
			Sg	56:27.73	-0.19
PKST	30.9	259	Sg	11:56:32.69	-0.53
MORH	123.2	173	Sg	11:57:02.13	-0.41
PKSM	123.6	173	Sg	11:57:02.76	0.08
PSZ	128.7	59	Sg	11:57:04.33	0.03
KOVH	138.7	191	Sn	11:57:07.12	0.43

Földrengés paraméterek

1637.

2023-11-02 time: 12:38:14.97 UTC ML= 2.1
 lat: 47.312N lon: 18.411E h= 0.0 km
 erh= 1.4km erz= 2.1km
 nr= 22 gap= 81 rms=0.72
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.0	350	PgU	12:38:16.67	0.09
			Sg	38:17.14	-0.70
CSKK	12.7	297	Pg	12:38:17.81	0.57
			Sg	38:18.85	-0.17
PKST	29.1	258	Pg	12:38:21.08	0.92
			Sg	38:23.87	-0.35
BUD	50.0	68	Sg	12:38:31.26	0.39
MPLH	67.9	257	Pg	12:38:27.89	0.81
			Sg	38:35.96	-0.57
PKB5	83.4	163	Sg	12:38:41.71	0.23
PKB3	115.4	149	Sg	12:38:51.58	-0.06
MORH	123.1	172	Sg	12:38:53.29	-0.81
PKSM	123.5	172	Sg	12:38:53.29	-0.94
PSZ	130.3	59	Pg	12:38:38.47	0.23
			Sg	38:54.70	-1.69
KOVH	138.1	190	Pn	12:38:39.88	0.66
			Sn	38:57.99	-0.14
MODS	145.4	324	Sn	12:38:56.50	-3.26*
PKSV	158.7	184	Sn	12:39:01.93	-0.78
RONA	165.1	285	Sn	12:39:02.02	-2.10
CONA	203.6	290	Sn	12:39:12.47	-0.19
ARSA	218.6	268	Sn	12:39:15.44	-0.57

1638.

2023-11-02 time: 12:46:47.76 UTC ML= 1.3
 lat: 47.879N lon: 16.060E h= 0.0 km
 erh= 3.0km erz= 5.2km
 nr= 8 gap=110 rms=0.80
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.8	290	Pg	12:46:51.07	0.48
			Sg	46:53.11	0.32
RONA	26.6	138	Pg	12:46:52.95	0.43
			Sg	46:56.63	0.40
SOP	43.2	120	Pg	12:46:55.61	0.14
ARSA	80.7	210	Sg	12:47:11.62	-1.79
KRUC	133.9	11	Pn	12:47:11.42	-0.07
			Sn	47:27.00	-2.99

1639.

2023-11-03 time: 8:31:13.56 UTC ML= 1.9
 lat: 47.841N lon: 19.409E h= 0.0 km
 erh= 2.1km erz= 3.0km
 nr= 14 gap=197 rms=0.55
 Locality: Galgaguta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	11.1	239	Pg	8:31:16.20	0.65
			Sg	31:17.93	0.83
PSZ	37.3	77	Pg	8:31:20.25	0.03
			Sg	31:24.40	-1.02
BUD	49.2	216	Sg	8:31:28.76	-0.44
PBUD	51.3	216	Sg	8:31:29.29	-0.59
BSZH	88.3	133	Sg	8:31:41.80	0.18
PKSG	91.5	237	Pg	8:31:30.07	0.18
			Sg	31:41.81	-0.82
PKSN	110.5	162	Sg	8:31:48.77	0.07
PKST	122.1	238	Pg	8:31:35.59	0.22
			Sg	31:50.27	-2.10
MORH	189.8	198	Sn	8:32:08.26	0.04

Földrengés paraméterek

Hypocenter Parameters

PKSM 190.3 198 Sn 8:32:08.49 0.16

1640.

2023-11-03 time: 9:57:43.12 UTC ML= 2.2
 lat: 48.425N lon: 17.231E h= 0.0 km
 erh= 1.6km erz= 2.0km
 nr= 32 gap= 79 rms=0.87
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	6.7	149	PgU	9:57:44.60			0.28
			Sg	57:46.08			0.83
SMOL	17.6	56	PgU	9:57:46.18			-0.09
			Sg	57:48.78			0.05
JAVC	58.1	34	Pg	9:57:54.53			1.03
			Sg	58:00.72			-0.88
KRUC	93.7	319	Pg	9:58:00.25			0.39
			Sg	58:12.38			-0.54
SOP	96.5	211	Pg	9:58:02.05			1.69
			Sg	58:13.98			0.17
RONA	106.6	221	Pg	9:58:02.04			-0.12
			Sg	58:15.34			-1.66
VRAC	108.8	335	Pg	9:58:02.36			-0.18
			Sg	58:17.15			-0.54
EGYH	112.3	176	Pg	9:58:04.32			1.14
			Sg	58:17.70			-1.13
CONA	115.9	242	Pg	9:58:04.27			0.46
			Sg	58:18.06			-1.89
CSKK	141.0	147	Sn	9:58:24.95			-1.98
MPLH	141.5	171	Pn	9:58:07.75			-0.04
			Sn	58:25.60			-1.44
PKST	142.9	155	Pn	9:58:08.04			0.06
			Sn	58:24.74			-2.63
PKSG	144.0	143	Pn	9:58:08.54			0.44
			Sn	58:25.76			-1.83
MORC	152.0	9	Pn	9:58:08.86			-0.25
			Sn	58:27.87			-1.51
ARSA	182.8	224	Pn	9:58:12.68			-0.26
			Sn	58:36.83			0.62
LANS	183.1	64	Pn	9:58:14.03			1.04
KRLC	186.4	350	Pn	9:58:13.26			-0.14
			Sn	58:37.32			0.31

1641.

2023-11-03 time: 17:09:14.97 UTC ML= 1.5
 lat: 47.893N lon: 16.197E h= 0.0 km
 erh= 5.0km erz= 8.7km
 nr= 8 gap=122 rms=0.81
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	22.7	161	PgU	17:09:19.81			0.79
			Sg	09:22.76			0.58
CONA	25.4	279	Pg	17:09:19.85			0.36
			Sg	09:23.41			0.38
ARSA	87.5	215	Sg	17:09:41.21			-1.58
MPLH	129.1	128	Pg	17:09:37.54			-0.49
KRUC	130.9	6	Pn	17:09:38.57			0.25
			Sn	09:54.52			-2.01

1642.

2023-11-04 time: 8:11:26.80 UTC ML= 2.3
 lat: 45.561N lon: 16.036E h= 10.0 km
 erh= 3.6km erz= 1.7km
 nr= 16 gap=225 rms=0.63
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	30.0	354	Pg	8:11:32.52			0.07

			Sg	11:37.41			0.55
PTJ	38.2	351	Pg	8:11:33.61			-0.25
			Sg	11:40.65			1.29
CRES	53.9	303	Sg	8:11:43.98			-0.25
RCF6	86.1	356	Pg	8:11:41.83			-0.45
			Sg	11:53.80			-0.55
KOGS	100.1	10	Pg	8:11:44.74			-0.02
			Sg	11:58.11			-0.65
GROS	108.3	338	Pn	8:11:46.64			0.58
			Sn	11:59.95			-1.13
BEHE	116.2	30	Sn	8:12:03.59			0.75
PERS	139.1	329	Sn	8:12:06.91			-1.00
SOKA	146.4	328	Sn	8:12:10.55			1.00
KOVH	170.8	70	Sn	8:12:14.42			-0.53
PKSV	176.3	78	Sn	8:12:17.05			0.87
PKSM	214.8	70	Sn	8:12:29.76			5.04*

1643.

2023-11-05 time: 23:37:35.19 UTC ML= 1.7
 lat: 48.389N lon: 17.152E h= 10.0 km
 erh= 2.0km erz= 1.5km
 nr= 13 gap= 81 rms=0.61
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
MODS	9.5	100	Pg	23:37:37.99			0.34
			Sg	37:39.74			0.17
SMOL	24.7	56	Sg	23:37:41.82			-1.85
SOP	90.1	209	Sg	23:38:03.73			-0.27
KRUC	93.3	323	Pg	23:37:52.46			0.52
			Sg	38:04.67			-0.34
RONA	99.7	220	Pg	23:37:52.69			-0.40
			Sg	38:06.54			-0.51
CONA	108.8	242	Sn	23:38:09.09			-0.49
EGYH	108.9	173	Sn	23:38:09.52			-0.08
VRAC	110.1	338	Pn	23:37:55.44			0.76
			Sn	38:09.05			-0.83
MPLH	138.6	168	Sn	23:38:17.27			1.07

1644.

2023-11-06 time: 9:38:49.29 UTC ML= 1.7
 lat: 48.526N lon: 17.492E h= 0.0 km
 erh= 3.1km erz= 4.9km
 nr= 11 gap=204 rms=0.74
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	4.9	253	Pg	9:38:50.16			0.00
			Sg	38:51.41			0.57
MODS	23.3	223	Pg	9:38:53.92			0.48
			Sg	38:57.13			0.45
JAVC	39.3	20	Pg	9:38:56.89			0.59
			Sg	39:00.41			-1.36
KRUC	100.2	306	Sg	9:39:21.31			0.17
VRAC	109.1	323	Pg	9:39:09.10			0.33
			Sg	39:22.96			-1.00
RONA	128.0	224	Sg	9:39:27.84			-2.13
CONA	138.2	241	Sn	9:39:31.28			-1.20

1645.

2023-11-06 time: 9:41:19.76 UTC ML= 1.9
 lat: 47.296N lon: 18.328E h= 0.0 km
 erh= 2.1km erz= 3.1km
 nr= 15 gap= 99 rms=0.75
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	9.0	326	PgU	9:41:21.47			0.09
			Sg	41:21.81			-0.83

Hypocenter Parameters

PKSG 11.7 24 Pg 9:41:22.03 0.18
 Sg 41:23.17 -0.31
 PKST 22.6 260 Pg 9:41:24.30 0.51
 Sg 41:26.40 -0.54
 TIH 55.0 217 Pg 9:41:29.64 0.05
 PKB5 83.9 158 Sg 9:41:44.98 -1.44
 MORH 122.5 169 Pg 9:41:42.75 1.12
 Sg 41:57.66 -1.03
 PKSM 122.9 169 Sg 9:41:57.42 -1.40
 KOVH 135.4 187 Sn 9:42:02.85 0.52
 PSZ 136.6 60 Pn 9:41:44.15 0.32
 MODS 143.3 327 Sn 9:42:00.76 -3.34
 PKSV 156.6 182 Sn 9:42:08.25 1.22

1646.

2023-11-06 time: 10:07:10.67 UTC ML= 1.6
 lat: 45.620N lon: 17.263E h= 0.0 km
 erh= 8.8km erz= ***km
 nr= 9 gap=251 rms=0.89
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	82.6	69	Pg	10:07:25.85	0.44
			Sg	07:37.36	0.45
KOVH	83.3	51	Pg	10:07:26.32	0.78
			Sg	07:38.29	1.15
KOGS	120.9	320	Sg	10:07:49.38	0.30
PKSM	125.6	58	Pg	10:07:32.50	-0.59
			Sg	07:48.62	-1.96
MORH	126.0	58	Pg	10:07:32.83	-0.34
			Sg	07:48.68	-2.03

1647.

2023-11-06 time: 12:48:18.15 UTC ML= 1.2
 lat: 47.877N lon: 16.044E h= 0.0 km
 erh= 1.8km erz= 2.9km
 nr= 7 gap=125 rms=0.82
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.8	293	Pg	12:48:21.41	0.61
			Sg	48:23.56	0.70
RONA	27.3	136	Pg	12:48:23.37	0.34
			Sg	48:27.44	0.61
ARSA	79.9	209	Sg	12:48:42.35	-1.21
KRUC	134.3	11	Pn	12:48:41.60	-0.33
			Sn	48:58.27	-2.21

1648.

2023-11-06 time: 13:10:53.20 UTC ML= 1.6
 lat: 47.436N lon: 16.257E h= 0.0 km
 erh= 4.5km erz= 7.4km
 nr= 8 gap=210 rms=0.57
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	29.4	6	PgU	13:10:58.75	0.29
			Sg	11:02.69	0.13
SOP	35.6	40	Sg	13:11:03.31	-1.22
ARSA	59.2	250	Pg	13:11:04.10	0.33
			Sg	11:10.69	-1.32
CONA	62.2	332	Pg	13:11:04.81	0.49
			Sg	11:12.60	-0.38
KRUC	181.1	3	Pn	13:11:22.80	-0.01

Földrengés paraméterek

1649.

2023-11-06 time: 14:18:13.63 UTC ML= 1.9
 lat: 47.091N lon: 19.371E h= 0.0 km
 erh= 7.6km erz= ***km
 nr= 11 gap=187 rms=1.04
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.7	253	Pg	14:18:17.08	0.47
			Sg	18:18.66	-0.28
PKB1	55.7	232	Pg	14:18:23.94	0.36
PKB5	73.4	221	Pg	14:18:28.52	1.78
PKB4	88.3	222	Pg	14:18:30.43	1.03
PSZ	100.1	23	Pg	14:18:31.43	-0.08
PKS9	100.4	236	Pg	14:18:31.36	-0.20
			Sg	18:42.97	-2.57
MORH	112.1	210	Pg	14:18:32.82	-0.82
PKSM	112.5	210	Pg	14:18:33.24	-0.49
			Sg	18:46.70	-2.70

1650.

2023-11-07 time: 3:05:03.77 UTC ML= 1.4
 lat: 48.401N lon: 16.924E h= 13.9 km
 erh= 8.2km erz= 3.8km
 nr= 8 gap=232 rms=0.79
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	26.4	97	Pg	3:05:09.99	0.90
			Sg	05:12.80	-0.44
SMOL	39.4	71	Pg	3:05:11.32	0.09
			Sg	05:15.70	-1.35
SOP	84.3	199	Pg	3:05:19.54	0.52
			Sg	05:29.24	-1.68
EGYH	113.5	164	Pn	3:05:23.60	0.42
			Sn	05:37.46	-0.86

1651.

2023-11-07 time: 9:40:54.52 UTC ML= 1.2
 lat: 47.737N lon: 19.769E h= 0.0 km
 erh= 5.0km erz= 942km
 nr= 6 gap=171 rms=0.55
 Locality: Ecséd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	22.2	25	Pg	9:40:58.66	0.17
			Sg	41:02.29	0.71
SF5A	36.5	231	Sg	9:41:06.58	0.45
PENC	37.0	279	Sg	9:41:05.75	-0.53
PKSG	110.6	250	Sg	9:41:29.52	-0.16
ABAH	126.1	60	Sg	9:41:33.43	-1.17

1652.

2023-11-07 time: 10:16:10.00 UTC ML= 0.5
 lat: 47.190N lon: 18.294E h= 0.0 km
 erh= 1.9km erz= 537km
 nr= 8 gap=148 rms=0.38
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.4	353	Pg	10:16:13.59	0.13
			Sg	16:15.39	-0.77
PKST	21.1	291	Pg	10:16:14.21	0.44
			Sg	16:16.20	-0.50
PKSG	23.6	18	Pg	10:16:14.53	0.32
			Sg	16:17.34	-0.15

Földrengés paraméterek

MORH 111.6 166 Sg 10:16:45.38 -0.10
 PKSM 112.0 166 Sg 10:16:45.18 -0.42

1653.

2023-11-07 time: 11:19:12.62 UTC ML= 1.0
 lat: 47.289N lon: 18.388E h= 0.0 km
 erh= 4.2km erz= ***km
 nr= 8 gap=170 rms=0.86
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.5	1	Pg	11:19:15.30	0.63
CSKK	12.7	311	Pg	11:19:13.66	-1.23
			Sg	19:17.33	0.66
PKST	27.0	263	Pg	11:19:16.51	-0.93
			Sg	19:22.34	1.14
MPLH	65.6	258	Sg	11:19:33.38	-0.09
MORH	120.8	171	Sg	11:19:51.89	0.86
PKSM	121.2	171	Sg	11:19:51.65	0.49

1654.

2023-11-07 time: 12:04:36.19 UTC ML= 1.1
 lat: 47.927N lon: 16.122E h= 0.0 km
 erh= 3.7km erz= 997km
 nr= 6 gap=144 rms=0.58
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	19.5	270	Pg	12:04:40.13	0.47
			Sg	04:41.39	-0.99
RONA	28.5	153	Pg	12:04:41.15	-0.12
			Sg	04:44.99	-0.25
KRUC	127.8	9	Pg	12:04:59.70	0.70
			Sg	05:15.91	-0.89

1655.

2023-11-07 time: 12:08:31.75 UTC ML= 1.8
 lat: 48.344N lon: 18.147E h= 0.0 km
 erh= 4.1km erz= 4.5km
 nr= 9 gap=145 rms=0.55
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	56.5	290	Pg	12:08:42.15	0.32
			Sg	08:49.38	-0.32
MODS	64.6	273	Pg	12:08:43.58	0.30
			Sg	08:51.33	-0.94
JAVC	67.2	328	Pg	12:08:44.18	0.42
			Sg	08:52.05	-1.07
PSZ	138.4	110	Pn	12:08:55.54	-0.50
KRUC	151.7	302	Pn	12:08:58.38	0.68
CONA	176.3	255	Sn	12:09:23.06	-0.34

1656.

2023-11-07 time: 15:18:32.62 UTC ML= 1.8
 lat: 47.080N lon: 19.405E h= 0.0 km
 erh= 3.0km erz= 4.9km
 nr= 13 gap=190 rms=0.49
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	18.9	259	Pg	15:18:35.98	-0.02
			Sg	18:38.25	-0.39
PKB1	57.1	235	Pg	15:18:42.98	0.16
PENC	79.5	353	Pg	15:18:47.36	0.54
PKB4	89.2	223	Pg	15:18:49.16	0.61

Hypocenter Parameters

PSZ 100.2 22 PgU 15:18:50.30 -0.21
 Sg 19:03.56 -0.91
 PKS9 102.0 237 Pg 15:18:50.42 -0.40
 MORH 112.4 211 Pg 15:18:53.04 0.35
 Sg 19:07.09 -1.25
 PKSM 112.9 211 Pg 15:18:53.00 0.22
 Sg 19:06.38 -2.12
 KOVH 148.9 222 Pn 15:18:58.28 0.06

1657.

2023-11-08 time: 2:49:58.57 UTC ML= 1.2
 lat: 47.599N lon: 16.366E h= 7.2 km
 erh= 1.7km erz= 1.6km
 nr= 18 gap=120 rms=0.61
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	12.3	335	PgU	2:50:01.52	0.40
			Sg	50:02.95	-0.16
SOP	17.2	57	PgD	2:50:01.85	-0.05
			Sg	50:04.04	-0.47
CONA	52.6	314	Pg	2:50:08.38	0.33
			Sg	50:14.99	-0.45
WINA	60.6	339	Pg	2:50:09.71	0.25
			Sg	50:17.42	-0.54
ARSA	74.5	239	Pg	2:50:11.92	-0.01
			Sg	50:21.26	-1.09
EGYH	75.6	106	Pg	2:50:12.73	0.61
			Sg	50:22.20	-0.49
MPLH	100.7	118	Sg	2:50:29.63	-1.02
PKST	131.5	107	Pn	2:50:22.59	1.52
			Sn	50:37.50	-1.12
ABNA	137.9	330	Pn	2:50:22.54	0.67
			Sn	50:39.70	-0.34
KRUC	162.6	1	Sn	2:50:45.16	-0.38

1658.

2023-11-08 time: 3:48:29.86 UTC ML= 0.5
 lat: 47.688N lon: 16.414E h= 9.6 km
 erh= 1.2km erz= 0.7km
 nr= 6 gap=150 rms=0.09
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	8.9	278	PgU	3:48:32.15	-0.05
			Sg	48:34.01	-0.01
SOP	10.9	93	PgD	3:48:32.34	-0.10
			Sg	48:34.67	0.21
CONA	49.2	303	Pg	3:48:38.86	0.05
KOGS	138.4	185	Sn	3:49:10.94	0.02

1659.

2023-11-08 time: 9:14:03.28 UTC ML= 1.1
 lat: 46.211N lon: 18.266E h= 0.0 km
 erh= 1.8km erz= 4.0km
 nr= 10 gap=128 rms=0.49
 Locality: Komló
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.7	223	Pg	9:14:07.06	0.45
			Sg	14:09.38	0.17
PKSM	29.0	90	Pg	9:14:09.07	0.62
			Sg	14:12.06	-0.43
MORH	29.2	89	Pg	9:14:08.76	0.27
			Sg	14:12.49	-0.07
PKSV	35.8	182	Pg	9:14:09.46	-0.21
			Sg	14:13.73	-0.93
PKST	117.9	351	Sg	9:14:40.32	-0.43
PKSG	131.7	4	Sn	9:14:44.01	-1.01

Hypocenter Parameters

Földrengés paraméterek

1660.

2023-11-08 time: 10:21:21.67 UTC ML= 1.8
 lat: 46.838N lon: 17.332E h= 0.0 km
 erh= 3.0km erz= ***km
 nr= 8 gap=157 rms=0.72
 Locality: Lesencefalu
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	40.2	23	Pg	10:21:29.28			0.44
			Sg	21:34.53			0.09
BEHE	59.0	226	Sg	10:21:39.93			-0.51
PKST	71.0	49	Sg	10:21:44.23			-0.01
CSKK	91.5	50	Sg	10:21:50.41			-0.36
KOVH	102.1	145	Sg	10:21:56.05			1.92
MORH	122.2	124	Sg	10:21:59.33			-1.18
PKSM	122.2	125	Sg	10:22:00.19			-0.34

1661.

2023-11-08 time: 15:07:35.98 UTC ML= 1.6
 lat: 47.773N lon: 16.257E h= 15.4 km
 erh= 2.1km erz= 1.3km
 nr= 12 gap= 77 rms=0.47
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	8.7	160	PgD	15:07:39.47			0.33
			Sg	07:41.28			-0.32
SOP	24.7	114	Pg	15:07:41.47			0.29
			Sg	07:44.86			-0.38
CONA	34.2	300	Pg	15:07:42.69			0.01
			Sg	07:47.55			-0.36
ARSA	80.2	224	S*	15:08:01.06			-0.72
MODS	101.2	49	Pn	15:07:53.66			-0.01
			Sn	08:06.61			-0.85
KRUC	143.7	4	Pn	15:07:59.50			0.54
			Sn	08:16.12			-0.76
VRAC	172.5	8	Pn	15:08:03.42			0.86

1662.

2023-11-08 time: 15:11:00.49 UTC ML= 1.9
 lat: 47.102N lon: 19.322E h= 0.0 km
 erh= 3.5km erz= 6.6km
 nr= 16 gap=162 rms=0.71
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	13.7	244	Pg	15:11:03.33			0.40
			Sg	11:04.74			-0.10
PKB1	53.6	229	Pg	15:11:10.22			0.15
PKB5	71.9	218	Pg	15:11:14.29			0.95
			Sg	11:22.46			-0.90
PKB3	76.0	187	Pg	15:11:15.42			1.36
PENC	76.6	358	Pg	15:11:14.72			0.54
PKB4	86.8	219	Pg	15:11:16.24			0.24
PKST	99.2	280	Pg	15:11:17.98			-0.22
PSZ	100.5	25	Pg	15:11:17.57			-0.87
			Sg	11:28.36			-4.08*
MORH	111.3	208	Pg	15:11:20.08			-0.29
			Sg	11:34.62			-1.26
PKSM	111.8	208	Pg	15:11:20.19			-0.27
			Sg	11:34.65			-1.39
KOVH	146.5	220	Pn	15:11:25.56			-0.24

1663.

2023-11-08 time: 17:28:53.66 UTC ML= 1.5
 lat: 45.722N lon: 18.083E h= 6.1 km
 erh= 2.6km erz= 2.1km
 nr= 13 gap=261 rms=0.31
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	22.7	35	Pg	17:28:58.27			0.41
			Sg	29:01.92			0.79
KOVH	40.8	2	Pg	17:29:00.98			-0.04
			Sg	29:06.75			-0.01
PKSM	69.5	38	PgD	17:29:05.93			-0.20
			Sg	29:15.61			-0.24
MORH	70.0	38	PgD	17:29:05.92			-0.30
			Sg	29:15.61			-0.40
PKB4	95.0	25	Pg	17:29:10.49			-0.18
			Sg	29:23.57			-0.36
PKS9	97.3	9	Pg	17:29:11.24			0.16
BLY	129.2	213	Sn	17:29:29.97			-3.50*
PKB1	130.1	25	Pn	17:29:16.47			0.32
KOGS	163.2	300	Sn	17:29:41.06			0.05

1664.

2023-11-08 time: 17:56:43.62 UTC ML= 1.6
 lat: 47.806N lon: 16.211E h= 15.1 km
 erh= 1.8km erz= 1.2km
 nr= 13 gap= 78 rms=0.47
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	13.5	151	PgD	17:56:47.30			0.07
			Sg	56:49.92			-0.13
CONA	29.4	298	Pg	17:56:49.28			-0.24
			Sg	56:53.62			-0.51
SOP	29.4	118	Sg	17:56:53.91			-0.22
ARSA	80.6	220	P*	17:56:58.76			0.55
			S*	57:08.90			-0.69
MODS	101.5	52	Pn	17:57:01.22			-0.15
			Sn	57:13.29			-1.93
KRUC	140.3	6	Pn	17:57:06.81			0.60
			Sn	57:23.61			-0.23
VRAC	169.4	10	Pn	17:57:10.61			0.77
			Sn	57:30.00			-0.30

1665.

2023-11-08 time: 20:57:10.14 UTC ML= 2.6
 lat: 46.130N lon: 21.628E h= 7.5 km
 erh= 8.3km erz= 9.9km
 nr= 34 gap=132 rms=1.47
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	57.1	181	PgU	20:57:20.46			0.04
			Sg	57:27.77			-0.66
DRGR	111.1	49	Pg	20:57:30.65			0.63
			Sg	57:44.82			-0.71
LTVH	141.0	9	Pn	20:57:34.79			0.98
			Sn	57:52.68			0.41
PKSN	159.8	302	Pn	20:57:36.83			0.69
			Sn	57:54.07			-2.35
BSZH	166.5	321	Pn	20:57:36.31			-0.67
PKS6	167.1	288	Pn	20:57:36.36			-0.70
			Sn	57:55.72			-2.33
PKS2	190.3	282	Pn	20:57:38.94			-1.01
			Sn	58:05.10			1.91
PKB3	190.3	280	Pn	20:57:38.82			-1.13
			Sn	58:04.66			1.46
PKS7	214.8	298	Pn	20:57:42.23			-0.77

Földrengés paraméterek

Hypocenter Parameters

Station	Dist	Azm	Phase	hr	mn	sec	res
PKB5	228.5	283	Sn	58:12.17		3.54	
			Pn	20:57:47.93		3.22	
			Sn	58:15.75		4.08	
PKB1	229.7	288	Pn	20:57:43.76		-1.09	
MORH	230.6	272	Pn	20:57:43.73		-1.24	
			Sn	58:16.67		4.53	
PKSM	230.8	272	Pn	20:57:43.48		-1.52	
			Sn	58:16.62		4.44	
PKB4	236.4	280	Pn	20:57:44.57		-1.13	
			Sn	58:11.88		-1.56	
PSZ	238.5	326	Pn	20:57:45.93		-0.03	
			Sn	58:19.75		5.85*	
ABAH	242.6	353	Pn	20:57:46.81		0.34	
PENC	256.8	316	Pn	20:57:47.95		-0.29	
PKS9	262.7	281	Pn	20:57:53.91		4.94	
PKSV	262.8	264	Pn	20:57:48.28		-0.71	
KOVH	272.8	269	Pn	20:57:55.56		5.33	
PKSG	284.3	300	Pn	20:57:50.98		-0.69	
PKST	302.1	295	Pn	20:57:53.45		-0.44*	

1666.

2023-11-09 time: 10:39:24.95 UTC ML= 1.7
 lat: 47.300N lon: 18.505E h= 0.0 km
 erh= 3.7km erz= ***km
 nr= 8 gap=118 rms=0.87
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	13.3	320	PgU	10:39:27.98		0.65	
			Sg	39:28.29		-0.89	
CSKK	19.7	291	Pg	10:39:29.57		1.10	
			Sg	39:30.62		-0.60	
PKST	35.9	263	Sg	10:39:35.04		-1.32	
MORH	121.1	175	Sg	10:40:02.84		-0.59	
PKSM	121.5	175	Sg	10:40:04.16		0.60	
PSZ	125.0	57	Sg	10:40:03.85		-0.85	

1667.

2023-11-09 time: 10:49:09.20 UTC ML= 1.8
 lat: 47.292N lon: 18.420E h= 0.0 km
 erh= 3.3km erz= 4.5km
 nr= 9 gap=114 rms=0.74
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	11.3	349	PgU	10:49:11.36		0.15	
			Sg	49:11.75		-1.04	
CSKK	14.4	303	PgU	10:49:12.70		0.93	
			Sg	49:13.74		-0.03	
MPLH	68.0	258	Sg	10:49:29.22		-1.61	
MORH	120.9	172	Sg	10:49:47.30		-0.33	
PKSM	121.3	172	Sg	10:49:48.00		0.24	
PSZ	130.9	58	Sn	10:49:50.32		-0.46	
KOVH	136.1	190	Sn	10:49:52.73		0.81	

1668.

2023-11-09 time: 11:44:03.45 UTC ML= 2.2
 lat: 48.900N lon: 22.139E h= 0.0 km
 erh= 2.0km erz= 4.5km
 nr= 12 gap=118 rms=0.71
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOLS	10.5	70	PgU	11:44:05.01		-0.31	
			Sg	44:07.03		0.24	
STZU	37.7	70	PgU	11:44:10.60		0.42	
			Sg	44:14.48		-0.96	
HOLU	45.3	156	Sg	11:44:18.31		0.48	
STHS	87.0	311	Pg	11:44:19.21		0.24	

Station	Dist	Azm	Phase	hr	mn	sec	res
ABAH	94.4	225	Sg	44:32.17		1.09	
			Pg	11:44:20.30		-0.01	
			Sg	44:32.79		-0.67	
NIE	145.1	293	Sn	11:44:46.45		-1.72	
DRGR	238.3	170	Pn	11:44:44.54		4.34	
			Sn	45:12.97		4.11*	

1669.

2023-11-09 time: 12:01:56.04 UTC ML= 1.9
 lat: 47.911N lon: 19.338E h= 0.0 km
 erh= 3.2km erz= 3.8km
 nr= 16 gap=107 rms=0.79
 Locality: Szécsénke
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	14.1	198	Pg	12:01:59.23		0.66	
			Sg	02:00.89		0.36	
PSZ	41.6	89	Pg	12:02:03.59		0.12	
			Sg	02:07.64		-1.62	
BUD	53.1	206	Sg	12:02:12.64		-0.29	
PKSG	91.7	231	Pg	12:02:13.50		1.08	
			Sg	02:24.35		-0.84	
CSKK	101.4	233	Sg	12:02:27.69		-0.58	
PKST	122.0	234	Pg	12:02:18.15		0.32	
			Sg	02:33.12		-1.71	
LANS	138.1	4	Sn	12:02:38.17		-1.05	
ABAH	147.9	73	Pn	12:02:21.73		0.21	
MODS	161.8	289	Sn	12:02:44.14		-0.33	
JAVC	162.4	310	Sn	12:02:44.30		-0.30	
NIE	182.3	23	Sn	12:02:51.44		2.40	
MORH	195.8	196	Sn	12:02:52.06		0.05	

1670.

2023-11-09 time: 12:53:19.13 UTC ML= 1.1
 lat: 47.662N lon: 16.057E h= 0.0 km
 erh= 3.7km erz= 955km
 nr= 5 gap=145 rms=0.43
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	18.5	77	PgU	12:53:22.49		0.06	
			Sg	53:24.73		-0.28	
CONA	33.0	334	Pg	12:53:25.59		0.56	
			Sg	53:28.87		-0.76	
ARSA	60.9	221	Sg	12:53:38.26		-0.23	

1671.

2023-11-09 time: 13:12:38.55 UTC ML= 1.4
 lat: 47.318N lon: 16.333E h= 0.0 km
 erh= 6.3km erz= 6.6km
 nr= 11 gap=183 rms=1.23
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	42.6	356	Pg	13:12:46.48		0.33	
			Sg	12:51.22		-0.86	
SOP	44.1	23	Pg	13:12:47.15		0.73	
			Sg	12:51.69		-0.87	
ARSA	61.7	263	Sg	13:12:57.97		-0.19	
CONA	76.6	332	Pg	13:12:53.29		1.06	
			Sg	13:00.77		-2.13	
GROS	114.4	214	Sg	13:13:14.08		-0.82	
MODS	137.1	31	Sn	13:13:18.77		-2.72	
KRUC	194.0	1	Sn	13:13:36.38		2.25	
JAVC	198.3	30	Sn	13:13:37.32		2.24	

Hypocenter Parameters

Földrengés paraméterek

1672.

2023-11-09 time: 14:12:20.19 UTC ML= 1.9
 lat: 47.088N lon: 19.372E h= 0.0 km
 erh= 3.5km erz= 579km
 nr= 9 gap=187 rms=0.43
 Locality: Tatárszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	16.6	254	Pg	14:12:23.50	0.34
			Sg	12:24.55	-0.93
PKB1	55.6	233	Pg	14:12:30.23	0.12
PENC	78.4	355	Pg	14:12:34.63	0.44
PKS9	100.3	236	Pg	14:12:38.03	-0.06
PSZ	100.4	23	Pg	14:12:37.58	-0.53
MORH	111.8	210	Pg	14:12:40.43	0.28
PKSM	112.3	210	Pg	14:12:40.30	0.06
			Sg	12:54.34	-1.54

1673.

2023-11-09 time: 14:13:31.55 UTC ML= 1.7
 lat: 48.397N lon: 17.018E h= 0.0 km
 erh= 5.9km erz= 743km
 nr= 7 gap=231 rms=0.58
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	19.4	98	Pg	14:13:35.22	0.22
			Sg	13:37.11	-0.59
SMOL	33.0	67	Pg	14:13:37.71	0.27
			Sg	13:41.31	-0.73
KRUC	87.0	328	PgU	14:13:47.62	0.54
			Sg	13:56.74	-2.46
VRAC	106.1	343	Pg	14:13:50.49	0.01

1674.

2023-11-09 time: 14:14:25.14 UTC ML= 1.5
 lat: 48.470N lon: 17.063E h= 0.0 km
 erh= 6.8km erz= ***km
 nr= 8 gap=199 rms=0.86
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	19.2	124	Pg	14:14:28.45	-0.11
			Sg	14:30.29	-0.94
SMOL	27.5	80	Pg	14:14:30.54	0.49
			Sg	14:33.33	-0.54
KRUC	82.1	323	Pg	14:14:40.57	0.77
			Sg	14:49.61	-1.62
VRAC	99.4	340	Pg	14:14:43.83	0.95
			Sg	14:55.28	-1.45

1675.

2023-11-10 time: 0:06:35.66 UTC ML= 0.3
 lat: 47.343N lon: 18.204E h= 5.6 km
 erh= 7.2km erz= 1.8km
 nr= 6 gap=188 rms=0.12
 Locality: Bodajk
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.9	62	Pg	0:06:37.07	0.08
			Sg	06:37.87	-0.16
PKSG	15.2	69	Pg	0:06:38.42	-0.13
			Sg	06:41.00	0.20
PKST	15.8	234	Pg	0:06:38.73	0.07
			Sg	06:40.92	-0.08

1676.

2023-11-10 time: 8:06:30.98 UTC ML= 1.8
 lat: 48.700N lon: 19.122E h= 0.0 km
 erh= 2.5km erz= 3.2km
 nr= 14 gap= 71 rms=0.92
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	56.2	27	Pg	8:06:41.47	0.46
			Sg	06:47.52	-1.31
PENC	101.8	173	Sg	8:07:02.67	-0.66
PSZ	104.1	147	Pg	8:06:50.18	0.61
			Sg	07:02.62	-1.45
JAVC	108.1	279	Sg	8:07:05.08	-0.26
NIE	118.2	47	Pg	8:06:52.30	0.21
SMOL	126.6	261	Sg	8:07:10.71	-0.49
MODS	141.0	255	Sn	8:07:14.42	-0.36
PKSG	155.3	201	Sn	8:07:18.51	0.54
CSKK	161.9	203	Sn	8:07:20.05	0.62
ABAH	162.8	106	Sn	8:07:19.29	-0.35
MORC	166.1	316	Pn	8:07:00.68	1.96
			Sn	07:17.90	-2.45

1677.

2023-11-10 time: 10:16:33.45 UTC ML= 1.5
 lat: 48.572N lon: 20.764E h= 0.0 km
 erh= 3.6km erz= ***km
 nr= 10 gap= 90 rms=1.02
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.7	131	Pg	10:16:41.96	0.16
			Sg	16:48.85	0.55
PSZ	97.3	222	Pg	10:16:40.65	-0.17
			Sg	17:04.58	0.22
NIE	99.7	341	Pg	10:16:52.92	1.66
STHS	100.3	21	Pg	10:16:52.14	0.79
			Sg	17:05.05	-0.27
LANS	114.8	304	Pg	10:16:53.07	-0.88
			Sg	17:08.18	-1.76
KOLS	118.0	70	Sg	10:17:08.65	-2.32

1678.

2023-11-10 time: 14:53:24.93 UTC ML= 1.3
 lat: 47.943N lon: 16.021E h= 0.0 km
 erh= 6.7km erz= ***km
 nr= 5 gap=130 rms=0.81
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	12.0	262	Pg	14:53:27.17	0.09
			Sg	53:28.27	-0.49
RONA	34.0	143	Sg	14:53:35.43	-0.30
KRUC	127.5	13	Pg	14:53:48.77	1.08
			Sg	54:03.80	-1.64

1679.

2023-11-11 time: 18:00:53.61 UTC ML= 1.1
 lat: 48.402N lon: 17.143E h= 7.3 km
 erh= 1.9km erz= 5.9km
 nr= 9 gap=111 rms=0.35
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	10.4	108	Pg	18:00:55.91	0.03
			Sg	00:57.76	0.10

Földrengés paraméterek

SMOL 24.5 60 Pg 18:00:57.65 -0.52
 Sg 01:02.37 0.64
 KRUC 91.7 323 Pg 18:01:10.30 0.26
 Sg 01:22.76 -0.09
 RONA 100.5 219 Sg 18:01:25.23 -0.40
 VRAC 108.5 338 Sg 18:01:27.94 -0.24
 CONA 108.9 241 Sg 18:01:28.80 0.49

1680.

2023-11-11 time: 18:52:49.36 UTC ML= 1.6
 lat: 45.905N lon: 17.524E h= 16.0 km
 erh= 3.2km erz= 1.8km
 nr= 16 gap=178 rms=0.46
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	49.1	65	Pg	18:52:58.78	0.20
			Sg	53:04.95	-0.82
PKSV	56.6	92	Pg	18:53:00.05	0.19
			Sg	53:07.69	-0.36
PKSM	93.0	68	P*	18:53:05.76	0.01
			S*	53:18.03	-0.51
MORH	93.3	68	P*	18:53:06.04	0.23
			S*	53:18.19	-0.45
PKS9	95.6	38	S*	18:53:18.92	-0.32
			Pn	18:53:08.38	0.79
PKB4	106.2	52	Sn	53:22.24	0.44
			Pn	18:53:08.46	-0.27
KOGS	115.4	302	Sn	53:23.55	-0.29
			Sn	18:53:24.42	-0.79
PTJ	121.5	270	Sn	18:53:27.54	0.47
			Sn	18:53:30.56	1.66

1681.

2023-11-12 time: 17:45:26.87 UTC ML= 0.9
 lat: 47.643N lon: 19.662E h= 8.7 km
 erh= 1.8km erz= 2.1km
 nr= 6 gap=170 rms=0.24
 Locality: Boldog
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	32.9	300	Pg	17:45:33.19	0.24
			Sg	45:37.04	-0.66
PSZ	35.2	30	Pg	17:45:33.47	0.12
			Sg	45:38.31	-0.08
BSZH	59.5	130	Sg	17:45:45.86	-0.12
			Sn	17:46:08.01	-0.11

1682.

2023-11-12 time: 22:54:47.30 UTC ML= 2.0
 lat: 45.585N lon: 16.146E h= 6.7 km
 erh= 2.2km erz= 1.9km
 nr= 24 gap=136 rms=0.68
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	29.6	336	Pg	22:54:53.10	0.38
			Sg	54:57.59	0.64
R971	30.0	339	Pg	22:54:52.93	0.14
			Sg	54:59.25	-0.30
PTJ	38.0	337	Pg	22:54:54.03	-0.15
			Sg	54:59.25	-0.30
CRES	60.0	297	Pg	22:54:57.58	-0.50
			Sg	55:05.42	-1.07
RCF6	84.4	350	Sg	22:55:13.76	-0.46
			Pg	22:55:05.20	0.67
KOGS	96.3	5	Sg	55:18.04	0.06
			Pg	22:55:07.01	0.14
GROS	109.4	333	Sg	55:20.67	-1.47
			Sg	22:55:22.34	0.08
BEHE	109.8	26	Sg	22:55:22.34	0.08

Hypocenter Parameters

BLY 123.7 139 Pn 22:55:08.40 -0.49
 Sn 55:24.38 -1.35
 PERS 141.3 326 Pn 22:55:11.86 0.77
 Sn 55:28.24 -1.41
 SOKA 148.9 325 Sn 22:55:30.89 -0.44
 OBKA 160.7 310 Pn 22:55:14.65 1.14
 Sn 55:34.05 0.09
 KOVH 161.8 70 Pn 22:55:13.68 0.04
 Sn 55:34.76 0.57
 PKSV 167.4 78 Sn 22:55:36.17 0.74
 TRI 186.2 274 Sn 22:55:41.91 2.30
 PKSM 205.8 70 Sn 22:55:47.71 3.75*
 MORH 206.2 70 Sn 22:55:47.76 3.72*

1683.

2023-11-12 time: 22:57:41.79 UTC ML= 2.0
 lat: 45.570N lon: 16.086E h= 7.3 km
 erh= 2.4km erz= 1.8km
 nr= 24 gap=138 rms=0.74
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	29.6	346	Pg	22:57:47.54	0.30
			Sg	57:51.71	0.23
PTJ	37.9	345	Pg	22:57:48.72	0.03
			Sg	57:53.88	-0.20
CRES	56.6	300	Pg	22:57:52.33	0.34
			Sg	57:59.58	-0.35
RCF6	85.3	353	Sg	22:58:07.70	-1.32
			Pg	22:58:00.22	0.81
KOGS	98.4	7	Sg	58:12.86	-0.29
			Pg	22:58:01.61	0.34
GROS	108.8	335	Sg	58:14.40	-2.06
			Sn	22:58:17.12	-0.70
BEHE	113.4	28	Pn	22:58:02.53	-1.04
			Sn	58:19.98	-0.57
BLY	125.7	137	Pn	22:58:06.16	0.79
			Sn	58:22.83	-0.92
PERS	140.1	328	Sn	58:27.76	-0.01
			Sn	22:58:26.07	0.66
SOKA	147.6	327	Pn	22:58:07.83	0.20
			Sn	58:27.76	-0.01
OBKA	158.2	311	Sn	58:27.76	-0.01
			Sn	22:58:29.24	-0.43
KOVH	166.8	70	Sn	22:58:31.01	0.11
			Sn	22:58:36.11	3.14*
PKSV	172.3	78	Sn	22:58:41.67	2.23
			Sn	22:58:41.90	2.38
TRI	181.6	275	Sn	22:58:41.90	2.38
			Sn	22:58:41.90	2.38
PKSM	210.8	70	Sn	22:58:41.90	2.38
			Sn	22:58:41.90	2.38
MORH	211.2	70	Sn	22:58:41.90	2.38

1684.

2023-11-13 time: 1:50:10.39 UTC ML= 0.7
 lat: 47.728N lon: 16.058E h= 11.3 km
 erh= 2.2km erz= 2.2km
 nr= 12 gap=117 rms=0.62
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.1	100	PgU	1:50:14.60	0.40
			Sg	50:16.82	-0.36
CONA	26.7	327	Pg	1:50:15.99	0.42
			Sg	50:19.11	-0.50
SOP	37.9	97	PgU	1:50:17.76	0.32
			Sg	50:22.16	-0.79
WINA	42.2	2	Sg	1:50:23.40	-0.89
			Pg	1:50:22.99	0.53
ARSA	66.6	217	Sg	50:30.57	-1.30
			Pn	1:50:30.84	0.56
ABNA	114.7	336	Sn	50:44.64	-1.16
			Sn	1:50:54.15	0.41
KRUC	150.5	10	Sn	1:50:54.15	0.41

Hypocenter Parameters

Földrengés paraméterek

1685.

2023-11-13 time: 6:46:30.66 UTC ML= 1.5
 lat: 47.969N lon: 16.045E h= 0.0 km
 erh= 2.5km erz= 4.7km
 nr= 11 gap=120 rms=0.70
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.4	252	Pg	6:46:33.91	0.68
			Sg	46:35.49	0.26
RONA	35.4	148	Pg	6:46:36.92	-0.05
			Sg	46:41.78	-0.12
ARSA	89.0	206	Sg	6:46:57.53	-1.41
MODS	102.1	64	Pg	6:46:49.88	0.98
			Sg	47:02.93	-0.19
KRUC	124.3	12	Pg	6:46:52.51	-0.34
			Sg	47:08.37	-1.78
VRAC	154.3	15	Pn	6:46:57.18	0.25
			Sn	47:16.63	-0.80

1686.

2023-11-13 time: 9:37:37.50 UTC ML= 1.4
 lat: 47.678N lon: 19.160E h= 0.0 km
 erh= 8.7km erz= ***km
 nr= 7 gap=177 rms=0.66
 Locality: Göd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	15.5	36	Pg	9:37:40.63	0.36
			Sg	37:41.79	-0.64
PSZ	61.2	64	Pg	9:37:48.35	-0.07
			Sg	37:56.64	-0.30
PKSG	66.1	241	Sg	9:37:57.69	-0.82
PKST	96.8	241	Pg	9:37:55.88	1.09
			Sg	38:07.41	-0.87

1687.

2023-11-13 time: 9:42:37.38 UTC ML= 1.7
 lat: 48.521N lon: 17.457E h= 0.0 km
 erh= 1.3km erz= 1.7km
 nr= 10 gap=196 rms=0.26
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	2.2	250	Pg	9:42:37.82	0.04
			Sg	42:38.59	0.50
MODS	21.1	219	Pg	9:42:41.21	0.07
			Sg	42:43.84	-0.24
JAVC	40.8	23	Pg	9:42:44.84	0.17
			Sg	42:50.17	-0.18
KRUC	98.6	308	Sg	9:43:08.18	-0.53
RONA	125.7	223	Pg	9:42:59.91	0.08
CONA	135.6	241	Sn	9:43:18.65	-1.35
MORC	139.8	3	Sn	9:43:20.81	-0.13

1688.

2023-11-13 time: 10:59:57.71 UTC ML= 1.6
 lat: 48.140N lon: 16.879E h= 0.0 km
 erh= 4.3km erz= 7.0km
 nr= 9 gap=173 rms=0.96
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	39.4	49	Pg	11:00:05.27	0.53
			Sg	00:09.85	-0.37
RONA	65.5	222	Pg	11:00:10.01	0.59

			Sg	00:16.79	-1.76
CONA	79.4	253	Sg	11:00:23.00	0.04
JAVC	99.1	36	Sg	11:00:27.72	-1.48
KRUC	108.5	341	Pg	11:00:18.31	1.22
			Sg	00:32.07	-0.13
VRAC	131.6	351	Sn	11:00:37.95	-1.48

1689.

2023-11-13 time: 11:09:52.66 UTC ML= 1.5
 lat: 45.598N lon: 17.672E h= 0.0 km
 erh= 4.8km erz= 4.2km
 nr= 13 gap=224 rms=0.61
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	55.5	54	Pg	11:10:02.74	0.17
			Sg	10:10.68	0.38
KOVH	63.8	31	Pg	11:10:04.83	0.77
			Sg	10:13.60	0.65
PKSM	101.5	48	Pg	11:10:10.49	-0.30
			Sg	10:24.06	-0.88
MORH	102.0	48	Pg	11:10:10.48	-0.39
			Sg	10:24.33	-0.75
PKB4	123.2	36	Pg	11:10:15.16	0.51
			Sg	10:32.59	0.78
KOGS	145.1	311	Sn	11:10:36.14	-1.25
TIH	145.7	7	Sn	11:10:36.53	-0.99
CRES	174.4	278	Sn	11:10:43.82	-0.06

1690.

2023-11-13 time: 12:25:48.00 UTC ML= 1.1
 lat: 47.872N lon: 16.065E h= 0.0 km
 erh= 1.3km erz= 2.3km
 nr= 6 gap=127 rms=0.76
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.4	292	Pg	12:25:51.56	0.63
			Sg	25:53.25	0.04
RONA	25.9	138	Pg	12:25:52.95	0.33
			Sg	25:56.34	0.12
ARSA	80.2	211	Sg	12:26:12.71	-0.79
KRUC	134.6	10	Sn	12:26:28.30	-2.08

1691.

2023-11-13 time: 12:43:01.82 UTC ML= 1.8
 lat: 46.361N lon: 22.849E h= 2.8 km
 erh= 0.9km erz= 1.1km
 nr= 5 gap=124 rms=0.04
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	49.0	348	Pg	12:43:10.54	-0.06
			Sg	43:17.49	0.05
BZS	126.3	229	Pn	12:43:24.28	0.03
			Sn	43:41.73	-0.01
MEZ	244.6	12	Sn	12:44:11.83	3.85*
MLR	258.9	112	Sn	12:44:11.21	0.05

1692.

2023-11-14 time: 9:07:18.63 UTC ML= 1.5
 lat: 47.803N lon: 19.116E h= 0.0 km
 erh= 4.6km erz= 4.0km
 nr= 10 gap=120 rms=0.81
 Locality: Vác
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PENC	12.5	96	Pg	9:07:21.81	0.94
			Sg	07:23.05	0.44
PSZ	59.7	78	Pg	9:07:28.91	-0.38
			Sg	07:36.24	-1.37
PKSG	71.1	230	Pg	9:07:32.08	0.75
			Sg	07:40.95	-0.29
PKST	101.4	233	Sg	9:07:50.37	-0.49
MPLH	138.0	239	Sn	9:08:00.71	-1.08
PKS9	149.3	205	Sn	9:08:03.11	-1.17
JAVC	159.0	318	Sn	9:08:07.50	1.05

1693.

2023-11-14 time: 9:56:35.52 UTC ML= 1.9
 lat: 48.439N lon: 19.502E h= 0.0 km
 erh= 2.4km erz= 3.9km
 nr= 13 gap= 69 rms=0.82
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	64.9	153	Pg	9:56:48.12	1.02
			Sg	56:56.07	-0.07
PENC	74.0	193	Sg	9:56:58.46	-0.58
LANS	79.1	358	Pg	9:56:50.16	0.52
			Sg	57:00.19	-0.47
SRO	112.6	232	Pg	9:56:55.87	0.25
			Sg	57:10.38	-0.93
NIE	124.1	29	Pg	9:56:58.34	0.67
			Sg	57:13.31	-1.64
ABAH	129.7	97	Pg	9:56:59.46	0.78
			Sg	57:15.32	-1.43
JAVC	142.8	289	Sn	9:57:19.03	-0.70
PKSG	143.1	215	Sn	9:57:18.72	-1.07

1694.

2023-11-14 time: 9:57:52.92 UTC ML= 1.8
 lat: 48.340N lon: 19.830E h= 0.0 km
 erh= 1.4km erz= 2.2km
 nr= 12 gap= 81 rms=0.42
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	47.1	174	Pg	9:58:01.36	0.02
			Sg	58:08.09	0.19
PENC	73.5	214	Sg	9:58:15.66	-0.63
LANS	94.0	344	Pg	9:58:10.10	0.40
			Sg	58:22.51	-0.28
ABAH	104.7	93	Pg	9:58:11.49	-0.12
			Sg	58:26.06	-0.13
NIE	125.1	16	Pg	9:58:15.72	0.46
			Sg	58:31.46	-1.22
PKSG	150.7	226	Pn	9:58:19.06	0.31
STHS	158.4	41	Sn	9:58:39.59	-1.01
JAVC	169.4	290	Sn	9:58:43.14	0.10

1695.

2023-11-14 time: 10:13:00.16 UTC ML= 0.8
 lat: 47.214N lon: 18.263E h= 0.0 km
 erh= 2.6km erz= 739km
 nr= 8 gap=139 rms=0.54
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.6	359	Pg	10:13:03.48	0.37
			Sg	13:04.71	-0.71
PKST	18.0	286	Pg	10:13:03.63	0.25
			Sg	13:05.68	-0.21
PKSG	22.0	26	Pg	10:13:04.71	0.63
			Sg	13:06.49	-0.65

MPLH	55.1	265	Sg	10:13:17.56	-0.10
MORH	114.8	165	Sg	10:13:35.43	-1.20

1696.

2023-11-14 time: 11:27:45.12 UTC ML= 1.4
 lat: 46.132N lon: 18.046E h= 0.0 km
 erh= 4.0km erz= 457km
 nr= 5 gap=289 rms=0.21
 Locality: Hetvehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.4	139	PgU	11:27:46.33	0.07
			Sg	27:47.39	0.25
PKSV	31.4	149	Sg	11:27:54.55	-0.55
MORH	47.1	79	Pg	11:27:53.60	0.06
			Sg	27:59.97	-0.13

1697.

2023-11-14 time: 18:54:37.33 UTC ML= 2.8
 lat: 48.046N lon: 20.414E h= 4.2 km
 erh= 2.0km erz= 1.7km
 nr= 57 gap= 58 rms=1.06
 Locality: BÉlapátfalva
 Comments: felt 3-4 MIS/IIS

sta	dist	azm	phase	hr mn sec	res
PSZ	41.3	250	PgD	18:54:44.57	-0.17
			Sg	54:50.72	0.19
ABAH	67.4	66	PgD	18:54:48.61	-0.78
			Sg	54:58.01	-0.79
BSZH	83.7	188	Pg	18:54:52.39	0.10
			Sg	55:03.90	-0.06
PENC	89.3	251	Pg	18:54:53.01	-0.28
			Sg	55:04.14	-1.60
SF5A	95.7	233	Pg	18:54:54.30	-0.13
BUD	121.5	239	Pn	18:54:58.42	-0.57
			Sn	55:13.59	-2.28
PBUD	123.3	238	Sn	18:55:14.62	-1.65
LTVH	133.6	123	Pn	18:55:00.13	-0.36
			Sn	55:17.08	-1.47
PKSN	134.2	198	Pn	18:55:00.40	-0.16
			Sn	55:17.53	-1.15
LANS	141.3	330	Pn	18:55:01.71	0.26
			Sn	55:19.36	-0.91
PKS7	145.7	220	PnU	18:55:01.81	-0.19
			Sn	55:20.75	-0.48
NIE	152.9	357	Pn	18:55:04.10	1.20
			Sn	55:22.30	-0.54
SRO	159.1	261	Pn	18:55:03.68	0.01
			Sn	55:24.84	0.62
STHS	164.2	22	Pn	18:55:05.25	0.94
			Sn	55:26.04	0.69
PKSG	168.3	244	Pn	18:55:04.72	-0.10
			Sn	55:25.70	-0.56
KOLS	169.2	54	Pn	18:55:04.65	-0.28
			Sn	55:24.99	-1.46
PKS6	173.1	202	Pn	18:55:05.53	0.11
			Sn	55:26.76	-0.56
CSKK	178.6	245	Pn	18:55:06.24	0.14
			Sn	55:27.97	-0.56
PKB1	186.1	221	Pn	18:55:08.24	1.20
			Sn	55:30.86	0.64
PKS2	195.2	208	Pn	18:55:10.60	2.43
			Sn	55:32.40	0.18
PKST	199.0	244	PnU	18:55:08.75	0.10
			Sn	55:31.71	-1.37
PKB3	202.6	207	Pn	18:55:11.34	2.25
			Sn	55:37.95	4.09
PKB5	205.2	218	Pn	18:55:11.64	2.22
			Sn	55:35.36	0.91
PKB4	220.1	218	Pn	18:55:14.23	2.96
			Sn	55:42.64	4.89*

Hypocenter Parameters

Földrengés paraméterek

JAVC 222.2 294 Pn 18:55:11.70 0.16
 DRGR 222.4 129 Pn 18:55:15.28 3.71
 Sn 55:39.15 0.88
 TIH 228.8 236 Pn 18:55:16.70 4.34
 PKS9 228.8 225 Pn 18:55:14.56 2.19
 MODS 236.0 279 Pn 18:55:14.11 0.85
 MPLH 237.1 246 Pn 18:55:13.60 0.21
 MORH 243.8 213 Pn 18:55:12.15 -2.08
 PKSM 244.2 213 Pn 18:55:12.16 -2.13
 KOVH 279.7 219 Pn 18:55:17.13 -1.58
 BZS 285.2 161 Pn 18:55:18.23 -1.16
 RONA 310.5 263 Pn 18:55:22.38 -0.16*
 VRAC 314.5 297 Pn 18:55:22.71 -0.33*
 WINA 323.6 271 Pn 18:55:23.54 -0.64*
 Sn 56:00.04 -0.67*
 CONA 340.1 268 Pn 18:55:25.97 -0.27*
 ABNA 375.6 281 Pn 18:55:30.73 0.06*
 Sn 56:10.95 -1.32*
 ARSA 378.0 256 Pn 18:55:31.64 0.68*
 GROS 411.5 245 Pn 18:55:34.98 -0.16*
 SOKA 434.0 249 Pn 18:55:38.54 0.59*
 OBKA 475.5 249 Pn 18:55:43.24 0.11*

1698.

2023-11-14 time: 18:58:41.82 UTC ML= 1.0
 lat: 48.095N lon: 20.393E h= 10.0 km
 erh= 0.9km erz= 5.4km
 nr= 5 gap=188 rms=0.65
 Locality: Szilvásvárad
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	42.0	242	Pg	18:58:50.24	0.70
			Sg	58:55.40	-0.15
ABAH	66.8	70	Pg	18:58:54.11	0.23
			Sg	59:02.67	-0.62
BSZH	88.9	186	Sg	18:59:08.97	-1.29

1699.

2023-11-15 time: 0:58:46.37 UTC ML= 1.5
 lat: 48.108N lon: 20.430E h= 10.0 km
 erh= 3.1km erz=14.5km
 nr= 6 gap=189 rms=0.36
 Locality: Nagyvisnyó
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	45.2	242	Pg	0:58:54.61	-0.02
			Sg	59:01.54	0.47
ABAH	63.7	71	Pg	0:58:58.10	0.21
			Sg	59:06.63	-0.25
BSZH	90.7	188	Pg	0:59:02.67	0.00
			Sg	59:14.10	-1.28

1700.

2023-11-15 time: 8:34:20.49 UTC ML= 1.3
 lat: 47.079N lon: 18.070E h= 0.0 km
 erh= 4.4km erz= ***km
 nr= 10 gap=163 rms=0.82
 Locality: Papkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.2	352	Pg	8:34:24.15	0.05
			Sg	34:25.81	-1.10
TIH	24.1	214	Pg	8:34:25.05	0.26
			Sg	34:27.36	-0.78
MORH	105.5	155	Pg	8:34:39.83	0.49
			Sg	34:52.58	-1.46
PKSM	105.8	156	Pg	8:34:40.66	1.26
			Sg	34:53.38	-0.76
KOVH	110.2	179	Pg	8:34:40.71	0.54

Sg 34:54.28 -1.23
 1701.

2023-11-15 time: 9:09:25.10 UTC ML= 1.8
 lat: 47.986N lon: 20.545E h= 10.0 km
 erh= 1.0km erz= 1.1km
 nr= 5 gap=155 rms=0.08
 Locality: Bükkzsérc
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	49.2	261	Pg	9:09:34.16	0.09
			Sg	09:40.93	-0.13
ABAH	62.1	56	Sg	9:09:45.08	-0.02
BSZH	79.1	195	Pg	9:09:39.36	0.02
LTVH	121.7	123	Sn	9:10:02.29	-0.08

1702.

2023-11-15 time: 9:46:11.93 UTC ML= 1.5
 lat: 48.561N lon: 20.762E h= 0.0 km
 erh= 4.0km erz= ***km
 nr= 11 gap= 92 rms=1.22
 Locality: Komjáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.0	130	Pg	9:46:21.01	0.85
			Sg	46:25.32	-1.25
PSZ	96.2	222	Pg	9:46:29.83	0.71
			Sg	46:41.34	-1.18
NIE	100.9	341	Pg	9:46:31.85	1.91
			Sg	46:44.06	0.07
STHS	101.5	20	Pg	9:46:30.96	0.91
			Sg	46:42.58	-1.60
LANS	115.4	305	Pg	9:46:31.53	-1.01
			Sg	46:46.49	-2.12
KOLS	118.6	70	Sg	9:46:48.48	-1.15

1703.

2023-11-15 time: 10:55:32.20 UTC ML= 1.3
 lat: 48.901N lon: 21.013E h= 0.0 km
 erh= 7.0km erz= ***km
 nr= 6 gap=152 rms=0.83
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	59.8	16	Pg	10:55:43.74	0.86
			Sg	55:50.00	-1.21
ABAH	69.3	166	Pg	10:55:44.84	0.27
			Sg	55:53.13	-1.09
NIE	77.0	318	Pg	10:55:46.48	0.53
			Sg	55:55.48	-1.20

1704.

2023-11-15 time: 11:40:29.88 UTC ML= 2.1
 lat: 48.437N lon: 17.234E h= 0.0 km
 erh= 2.4km erz= 3.3km
 nr= 23 gap= 84 rms=1.09
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.8	156	PgU	11:40:31.40	0.13
			Sg	40:32.81	0.45
SMOL	16.7	59	Pg	11:40:33.03	0.16
			Sg	40:34.92	-0.27
JAVC	56.9	34	Pg	11:40:41.03	0.99
			Sg	40:46.87	-1.09
KRUC	92.9	318	Pg	11:40:46.82	0.35

Földrengés paraméterek

Hypocenter Parameters

	Sg	40:58.33	-1.08
SOP 97.8 211	Sg	11:40:59.98	-1.00
VRAC 107.6 334	Pg	11:40:49.33	0.22
	Sg	41:02.94	-1.16
RONA 107.8 220	Pg	11:40:49.95	0.82
	Sg	41:02.41	-1.73
CONA 116.7 241	Pg	11:40:51.52	0.79
	Sg	41:05.10	-1.88
MPLH 142.8 171	Sn	11:41:11.98	-2.11
PKST 144.1 155	Sn	11:41:11.88	-2.50
PKSG 144.9 143	Pn	11:40:56.68	1.70
	Sn	41:12.59	-1.97
MORC 150.6 9	Pn	11:40:56.19	0.49
	Sn	41:14.33	-1.51
ARSA 183.9 224	Pn	11:41:01.13	1.28
	Sn	41:25.22	2.00

1705.

2023-11-15 time: 12:05:21.14 UTC ML= 1.7
 lat: 48.362N lon: 19.826E h= 0.0 km
 erh= 5.8km erz= ***km
 nr= 7 gap=169 rms=1.11
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	49.6	174	Pg	12:05:29.99	-0.01
			Sg	05:37.19	0.28
LANS	91.5	343	Pg	12:05:38.60	1.11
			Sg	05:49.24	-1.00
ABAH	105.1	94	Pg	12:05:40.79	0.88
			Sg	05:53.15	-1.40
NIE	122.8	17	Sg	12:05:57.53	-2.66

1706.

2023-11-16 time: 2:57:37.90 UTC ML= 2.1
 lat: 45.669N lon: 21.865E h= 6.3 km
 erh= 6.9km erz= 4.1km
 nr= 15 gap=167 rms=0.93
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.2	253	Pg	2:57:41.46	-0.22
			Sg	57:44.18	-0.44
SURR	22.3	65	PgD	2:57:42.24	0.19
			Sg	57:45.20	-0.08
TIM	50.7	279	Pg	2:57:47.10	0.08
BANR	65.3	241	Pg	2:57:49.90	0.29
			Sg	57:59.01	0.27
DEV	84.2	74	Sg	2:58:03.12	-1.63
DRGR	140.8	28	Pn	2:58:01.12	-0.57
			Sn	58:18.01	-2.24
CJR	177.2	49	Pn	2:58:07.47	1.25
			Sn	58:30.93	2.62
LTVH	190.7	1	Pn	2:58:10.04	2.12
			Sn	58:30.40	-0.93
PKSM	257.1	284	Pn	2:58:15.18	-1.01

1707.

2023-11-16 time: 7:46:32.44 UTC ML= 1.7
 lat: 48.429N lon: 17.233E h= 0.0 km
 erh= 1.1km erz= 406km
 nr= 11 gap= 95 rms=0.32
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.0	152	Pg	7:46:33.62	-0.07
			Sg	46:34.63	-0.04
SMOL	17.2	57	Pg	7:46:35.40	-0.12
			Sg	46:37.89	-0.03

JAVC	57.7	34	Pg	7:46:42.71	-0.03
			Sg	46:50.72	-0.05
KRUC	93.5	319	Sg	7:47:01.91	-0.26
RONA	107.0	221	Pg	7:46:52.02	0.46
VRAC	108.4	334	Pg	7:46:52.19	0.38
			Sg	47:04.16	-2.75*
CONA	116.2	241	Sg	7:47:08.63	-0.76

1708.

2023-11-16 time: 8:14:35.47 UTC ML= 1.5
 lat: 47.306N lon: 18.475E h= 0.0 km
 erh= 2.0km erz= 4.0km
 nr= 10 gap=116 rms=0.60
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.5	326	PgU	8:14:37.81	0.29
			Sg	14:38.04	-1.08
CSKK	17.4	291	Pg	8:14:39.04	0.46
			Sg	14:40.66	-0.35
PKST	33.8	261	Pg	8:14:42.08	0.58
			Sg	14:45.18	-1.03
MORH	121.9	174	Sg	8:15:14.72	0.51
PKSM	122.3	174	Sg	8:15:14.56	0.21
PSZ	126.6	57	Sg	8:15:15.26	-0.44
KOVH	138.4	192	Sn	8:15:17.83	-0.87

1709.

2023-11-16 time: 8:56:34.87 UTC ML= 2.0
 lat: 48.225N lon: 18.764E h= 0.0 km
 erh= 2.1km erz= 3.5km
 nr= 26 gap= 60 rms=1.06
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	56.8	216	Sg	8:56:54.22	1.31
PENC	61.8	141	Pg	8:56:47.03	1.12
			Sg	56:54.34	-0.18
BUD	84.7	167	Sg	8:57:00.09	-1.68
PSZ	90.9	112	Pg	8:56:51.76	0.67
			Sg	57:02.17	-1.58
PKSG	96.7	197	Pg	8:56:52.70	0.56
			Sg	57:04.44	-1.17
CSKK	102.9	201	Pg	8:56:53.48	0.23
			Sg	57:06.23	-1.36
SMOL	104.0	288	Pg	8:56:54.88	1.44
			Sg	57:07.32	-0.61
JAVC	107.2	311	Pg	8:56:55.02	1.01
			Sg	57:07.61	-1.33
MODS	111.5	279	Pg	8:56:55.33	0.55
			Sg	57:09.10	-1.22
LANS	115.3	27	Pg	8:56:55.74	0.29
			Sg	57:09.34	-2.16
PKST	120.5	207	Pg	8:56:56.44	0.06
			Sg	57:11.36	-1.81
MPLH	149.0	218	Pn	8:57:00.87	0.40
			Sn	57:18.66	-1.79
NIE	174.9	41	Pn	8:57:04.29	0.59
			Sn	57:24.43	-1.77
ABAH	184.0	88	Sn	8:57:29.46	1.24
MORC	194.4	333	Sn	8:57:28.92	-1.61

1710.

2023-11-16 time: 9:57:55.49 UTC ML= 2.2
 lat: 45.587N lon: 17.829E h= 6.2 km
 erh= 4.8km erz= 2.4km
 nr= 18 gap=234 rms=0.64
 Locality: Croatia
 Comments:

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKSV	46.9	45	Pg	9:58:04.04	0.09
			Sg	58:11.30	0.76
KOVH	59.5	21	Pg	9:58:06.52	0.34
			Sg	58:14.84	0.33
PKSM	93.8	42	Pg	9:58:11.54	-0.73
			Sg	58:25.22	-0.14
MORH	94.2	42	Pg	9:58:11.58	-0.78
			Sg	58:25.60	0.09
PKS9	116.4	17	Pn	9:58:16.55	0.30
PKB4	117.5	31	Pn	9:58:16.63	0.25
			Sn	58:31.98	-0.70
BEHE	127.6	320	Pn	9:58:17.60	-0.04
PKB5	132.1	32	Sn	9:58:35.32	-0.61
ZAG	145.4	281	Sn	9:58:34.85	-4.02*
PKB1	152.4	29	Pn	9:58:21.45	0.71
KOGS	155.3	308	Pn	9:58:20.40	-0.69
			Sn	58:42.51	1.45
CRES	186.6	278	Pn	9:58:26.11	1.11
			Sn	58:46.24	-1.78

1711.

2023-11-16 time: 10:25:11.53 UTC ML= 1.5
 lat: 47.660N lon: 18.502E h= 0.0 km
 erh= 3.5km erz= 5.9km
 nr= 15 gap=114 rms=1.45
 Locality: Héreg
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	22.1	320	Pg	10:25:16.63	1.15
			Sg	25:19.27	0.70
PKSG	31.0	196	Pg	10:25:19.11	2.04
			Sg	25:21.49	0.10
CSKK	37.7	209	Pg	10:25:19.97	1.70
			Sg	25:23.67	0.15
BUD	43.9	117	Sg	10:25:25.30	-0.19
PKST	56.9	218	Sg	10:25:28.32	-1.29
MPLH	90.8	233	Pg	10:25:28.72	0.97
			Sg	25:38.98	-1.42
PSZ	108.2	75	Sg	10:25:44.19	-1.74
MODS	121.0	311	Pg	10:25:32.37	-0.77
			Sg	25:47.22	-2.77
MORH	161.0	176	Sn	10:25:57.71	-2.06
PKSM	161.4	176	Sn	10:25:57.71	-2.16

1712.

2023-11-16 time: 10:46:56.26 UTC ML= 1.4
 lat: 48.571N lon: 20.788E h= 0.0 km
 erh= 1.3km erz= 392km
 nr= 7 gap=117 rms=0.26
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.3	133	Pg	10:47:04.53	0.18
			Sg	47:10.57	-0.09
PSZ	98.4	222	Pg	10:47:13.39	-0.44
			Sg	47:27.94	0.41
STHS	99.8	20	Sg	10:47:27.79	-0.18
NIE	100.5	340	Pg	10:47:14.33	0.13
			Sg	47:28.26	0.06

1713.

2023-11-16 time: 14:02:21.54 UTC ML= 1.3
 lat: 47.810N lon: 20.215E h= 0.0 km
 erh= 6.3km erz= ***km
 nr= 5 gap=168 rms=0.62
 Locality: Vécs
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	26.8	297	Pg	14:02:27.10	0.77
			Sg	02:29.05	-1.01
ABAH	93.6	55	Sg	14:02:50.96	-0.32
BUD	96.6	248	Sg	14:02:51.97	-0.26
PKS7	116.3	223	Sg	14:02:58.50	0.01

1714.

2023-11-16 time: 19:53:45.78 UTC ML= 1.4
 lat: 47.867N lon: 16.273E h= 11.9 km
 erh= 1.5km erz= 1.4km
 nr= 21 gap= 81 rms=0.59
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.6	175	PgD	19:53:50.03	0.30
			Sg	53:52.38	-0.44
SOP	29.5	134	Pg	19:53:51.91	0.44
			Sg	53:55.35	-0.56
WINA	30.7	331	Pg	19:53:52.23	0.57
			Sg	53:56.37	0.13
CONA	31.5	283	Pg	19:53:52.14	0.34
			Sg	53:56.13	-0.37
ARSA	88.7	219	Pg	19:54:01.46	-0.31
			Sg	54:12.88	-1.36
MODS	93.7	53	Pg	19:54:02.94	0.30
			Sg	54:14.76	-1.03
ABNA	109.0	325	Pn	19:54:04.43	-0.45
			Sn	54:17.96	-1.81
SMOL	112.1	50	Sn	19:54:19.89	-0.57
KRUC	133.2	4	Pn	19:54:08.46	0.56
			Sn	54:24.78	-0.37
MOA	150.2	269	Pn	19:54:10.81	0.79
			Sn	54:29.28	0.36
VRAC	162.1	8	Pn	19:54:12.18	0.68
			Sn	54:31.27	-0.28
ZVC	232.5	319	eSn	19:54:50.90	3.71*

1715.

2023-11-17 time: 8:21:37.62 UTC ML= 1.8
 lat: 47.284N lon: 18.309E h= 0.0 km
 erh= 1.3km erz= 2.0km
 nr= 26 gap= 65 rms=0.81
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	9.6	337	Pg	8:21:40.04	0.72
			Sg	21:40.72	0.07
PKSG	13.5	27	Pg	8:21:40.51	0.48
			Sg	21:42.04	0.13
PKST	21.0	262	Pg	8:21:42.44	1.08
			Sg	21:44.43	0.14
TIH	53.1	217	Sg	8:21:54.15	-0.35
BUD	58.4	68	Sg	8:21:56.24	0.07
SRO	58.9	0	Sg	8:21:55.21	-1.12
MPLH	59.7	258	Pg	8:21:48.73	0.46
			Sg	21:55.44	-1.14
PKB4	90.4	166	Sg	8:22:06.51	0.16
PENC	92.4	52	Sg	8:22:06.70	-0.28
PKS2	111.8	142	Sg	8:22:12.52	-0.63
MORH	121.5	168	Pg	8:21:59.92	0.61
			Sg	22:15.24	-0.98
PKSM	121.8	168	Pg	8:21:59.82	0.44
			Sg	22:15.05	-1.30
KOVH	133.9	187	Sn	8:22:19.76	-0.09
PSZ	138.5	59	Pn	8:22:02.74	0.82
			Sn	22:19.51	-1.37
MODS	143.7	327	Sn	8:22:19.42	-2.61
BSZH	148.1	89	Sn	8:22:22.17	-0.84
SMOL	151.8	334	Sn	8:22:21.51	-2.32
PKSV	155.2	182	Sn	8:22:23.11	-1.47

Földrengés paraméterek

Hypocenter Parameters

JAVC 181.5 345 Sn 8:22:31.19 0.77

1719.

1716.

2023-11-17 time: 9:36:53.75 UTC ML= 0.9
 lat: 47.174N lon: 18.226E h= 0.0 km
 erh= 2.4km erz= 914km
 nr= 11 gap=136 rms=0.73
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	17.4	303	Pg	9:36:57.14			0.29
			Sg	36:59.22			-0.05
CSKK	21.2	7	Pg	9:36:57.96			0.42
			Sg	36:59.86			-0.64
PKSG	27.3	27	Pg	9:36:58.85			0.23
			Sg	37:01.64			-0.78
MPLH	52.1	270	Sg	9:37:09.96			-0.34
MORH	111.2	163	Sg	9:37:27.88			-1.20
PKSM	111.5	163	Pg	9:37:15.14			1.48
			Sg	37:28.74			-0.46
KOVH	121.0	185	Sg	9:37:31.07			-1.15

1717.

2023-11-20 time: 10:07:36.69 UTC ML= 1.2
 lat: 47.072N lon: 18.118E h= 0.0 km
 erh= 3.3km erz= ***km
 nr= 11 gap=121 rms=0.91
 Locality: Papkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	21.7	343	Pg	10:07:39.84			-0.73
			Sg	07:42.77			-0.83
TIH	25.7	222	Sg	10:07:44.39			-0.46
CSKK	34.1	18	Pg	10:07:44.20			1.41
			Sg	07:47.42			-0.12
PKSG	41.1	30	Sg	10:07:49.65			-0.11
PKS7	79.3	92	Sg	10:08:00.85			-1.04
MORH	103.3	157	Pg	10:07:56.21			1.06
			Sg	08:08.49			-1.05
PKSM	103.7	157	Pg	10:07:55.93			0.72
			Sg	08:08.51			-1.14

1718.

2023-11-20 time: 10:32:17.85 UTC ML= 1.5
 lat: 47.288N lon: 17.628E h= 0.0 km
 erh= 1.3km erz= 1.9km
 nr= 12 gap=136 rms=0.68
 Locality: Homokbödöge
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	14.7	207	Pg	10:32:20.82			0.34
			Sg	32:23.60			1.07
EGYH	26.6	303	Pg	10:32:22.70			0.10
			Sg	32:25.32			-0.98
PKST	30.9	96	Pg	10:32:23.99			0.62
			Sg	32:27.47			-0.21
CSKK	48.5	80	Pg	10:32:26.85			0.33
PKSG	58.8	79	Pg	10:32:28.57			0.22
			Sg	32:36.00			-0.54
KOVH	138.2	165	Sn	10:32:59.56			-1.48
MORH	142.3	147	Sn	10:33:00.97			-0.97
PKSM	142.5	147	Sn	10:33:00.26			-1.74

2023-11-20 time: 12:45:10.37 UTC ML= 1.3
 lat: 47.868N lon: 16.046E h= 0.0 km
 erh= 1.9km erz= 3.4km
 nr= 8 gap=124 rms=0.82
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.3	296	Pg	12:45:13.79			0.68
			Sg	45:15.67			0.43
RONA	26.5	135	PgU	12:45:15.75			0.65
			Sg	45:18.94			0.15
ARSA	79.1	210	Pg	12:45:24.61			0.11
			Sg	45:34.06			-1.46
KRUC	135.2	11	Pn	12:45:33.83			-0.43
			Sn	45:50.18			-2.72

1720.

2023-11-20 time: 20:43:03.79 UTC ML= 2.0
 lat: 45.500N lon: 16.389E h= 4.5 km
 erh= 3.1km erz= 2.4km
 nr= 29 gap=153 rms=1.02
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
R971	47.7	322	Pg	20:43:12.68			0.32
			Sg	43:18.53			-0.51
ZAG	47.8	320	Pg	20:43:12.78			0.41
			Sg	43:19.52			0.47
PTJ	55.7	323	Pg	20:43:13.78			0.01
			Sg	43:20.48			-1.08
CRES	81.2	296	Pg	20:43:18.33			0.02
			Sg	43:28.11			-1.53
RCF6	98.4	340	Pg	20:43:21.78			0.39
			Sg	43:33.52			-1.59
BLY	104.3	143	Pg	20:43:22.43			-0.01
			Sg	43:35.51			-1.47
KOGS	105.9	354	Pg	20:43:23.34			0.61
			Sg	43:35.88			-1.61
BEHE	111.9	16	Pg	20:43:24.39			0.60
GROS	127.0	327	Pn	20:43:25.50			-0.60
			Sn	43:41.24			-2.25
KOVH	148.2	64	Pn	20:43:28.66			-0.08
			Sn	43:46.52			-1.67
PKSV	151.4	73	Sn	20:43:47.07			-1.83
PERS	160.1	322	Sn	20:43:51.55			0.72
SOKA	167.8	321	Pn	20:43:33.07			1.89
			Sn	43:52.10			-0.43
OBKA	181.4	308	Pn	20:43:35.60			2.73
			Sn	43:57.07			1.51
PKSM	192.0	66	Pn	20:43:34.85			0.66
			Sn	44:01.33			3.42
MORH	192.4	66	Pn	20:43:34.70			0.46
			Sn	44:01.08			3.09

1721.

2023-11-21 time: 8:20:18.88 UTC ML= 2.0
 lat: 47.923N lon: 19.153E h= 0.0 km
 erh= 9.1km erz= 8.2km
 nr= 7 gap=226 rms=1.06
 Locality: Rétság
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	17.6	147	Pg	8:20:23.25			1.22
			Sg	20:24.19			-0.29
PSZ	55.4	91	Pg	8:20:29.37			0.59
			Sg	20:34.29			-2.21
PKSG	82.3	224	Sg	8:20:44.11			-0.92
MORH	193.7	192	Sn	8:21:13.81			-0.58

Hypocenter Parameters

Földrengés paraméterek

PKSM 194.2 192 Sn 8:21:13.91 -0.59

1722.

2023-11-21 time: 9:00:51.83 UTC ML= 0.6
 lat: 47.084N lon: 18.023E h= 0.0 km
 erh= 2.0km erz= 705km
 nr= 8 gap=115 rms=0.50
 Locality: Litér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.5	3	Sg	9:00:57.98	-0.05
CSKK	35.9	30	Sg	9:01:02.90	-0.35
MPLH	37.9	285	Sg	9:01:03.86	-0.02
PKSG	44.2	39	Pg	9:01:00.50	0.78
			Sg	01:05.11	-0.76
MORH	107.6	154	Sg	9:01:26.29	0.27
PKSM	107.9	154	Sg	9:01:25.54	-0.58
KOVH	110.8	177	Sg	9:01:27.00	-0.05

1723.

2023-11-21 time: 9:53:14.03 UTC ML= 0.5
 lat: 47.196N lon: 18.296E h= 0.0 km
 erh= 2.3km erz= 307km
 nr= 6 gap=271 rms=0.19
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.7	352	Pg	9:53:17.06	-0.31
			Sg	53:19.86	-0.12
PKST	21.0	289	Pg	9:53:17.83	0.05
			Sg	53:20.79	0.08
PKSG	22.9	18	Pg	9:53:18.33	0.22
			Sg	53:21.38	0.08

1724.

2023-11-21 time: 10:09:12.94 UTC ML= 1.7
 lat: 48.908N lon: 21.245E h= 0.0 km
 erh= 3.2km erz= 3.1km
 nr= 7 gap=222 rms=0.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	56.6	360	Pg	10:09:23.36	0.32
			Sg	09:30.47	-0.45
NIE	88.6	310	Pg	10:09:29.53	0.78
			Sg	09:40.76	-0.33
PSZ	148.7	222	Pn	10:09:38.32	-0.19
OJC	179.5	324	Pn	10:09:41.78	-0.57
			Sn	10:04.71	-0.59

1725.

2023-11-21 time: 10:32:11.71 UTC ML= 1.1
 lat: 47.852N lon: 16.037E h= 0.0 km
 erh= 4.0km erz= 7.5km
 nr= 8 gap= 93 rms=1.00
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.6	303	Pg	10:32:15.39	0.90
			Sg	32:16.69	0.03
RONA	25.8	131	Pg	10:32:17.08	0.76
			Sg	32:20.69	0.78
ARSA	77.3	210	Sg	10:32:34.75	-1.51
MODS	109.1	58	Sg	10:32:45.23	-1.15
KRUC	137.1	11	Pn	10:32:35.65	-0.19
			Sn	32:52.14	-2.52

1726.

2023-11-21 time: 10:49:17.29 UTC ML= 1.0
 lat: 47.969N lon: 16.099E h= 0.0 km
 erh= 2.4km erz= 649km
 nr= 6 gap=144 rms=0.37
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.3	256	Pg	10:49:20.74	0.18
			Sg	49:22.86	-0.25
RONA	33.4	154	Pg	10:49:23.02	-0.24
			Sg	49:28.12	0.21
KRUC	123.5	10	Pg	10:49:39.75	0.41
			Sg	49:55.45	-1.08

1727.

2023-11-21 time: 11:00:23.52 UTC ML= 1.7
 lat: 48.081N lon: 16.909E h= 0.0 km
 erh= 3.1km erz= 4.4km
 nr= 17 gap= 90 rms=1.32
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	42.5	40	Pg	11:00:30.62	-0.49
			Sg	00:36.15	-0.88
SMOL	61.7	39	Pg	11:00:36.34	1.81
			Sg	00:43.02	-0.10
RONA	62.4	227	Pg	11:00:36.23	1.56
			Sg	00:43.88	0.51
CONA	80.0	258	Sg	11:00:48.40	-0.55
JAVC	103.2	33	Pg	11:00:44.35	2.40
			Sg	00:57.16	0.83
KRUC	115.5	341	Pg	11:00:43.83	-0.31
			Sg	00:58.33	-1.90
PKST	124.5	137	Pg	11:00:46.24	0.49
			Sg	01:00.83	-2.25
PKSG	135.0	125	Sn	11:01:03.52	-2.48
VRAC	138.5	350	Pn	11:00:47.18	-0.64
			Sn	01:04.62	-2.15
ARSA	139.2	228	Pn	11:00:47.57	-0.34

1728.

2023-11-22 time: 9:39:49.47 UTC ML= 1.5
 lat: 48.573N lon: 20.857E h= 0.0 km
 erh= 4.5km erz= ***km
 nr= 10 gap= 87 rms=1.36
 Locality: Hidvégdőd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	41.8	137	Pg	9:39:58.17	1.23
			Sg	40:02.71	-0.05
STHS	98.0	17	Pg	9:40:07.41	0.43
			Sg	40:19.30	-1.34
PSZ	102.0	224	Pg	9:40:08.32	0.63
			Sg	40:20.40	-1.49
NIE	102.2	337	Pg	9:40:09.60	1.88
			Sg	40:20.53	-1.42
KOLS	111.6	69	Sg	9:40:23.04	-1.91
LANS	120.5	302	Sg	9:40:25.38	-2.39

Földrengés paraméterek

Hypocenter Parameters

1729.

2023-11-22 time: 9:54:26.82 UTC ML= 1.2
 lat: 47.609N lon: 18.456E h= 0.0 km
 erh= 6.4km erz= 7.5km
 nr= 6 gap=221 rms=0.53
 Locality: Vérttestolna
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	24.6	191	Pg	9:54:31.74	0.53
			Sg	54:33.81	-0.83
CSKK	31.0	208	Pg	9:54:32.91	0.55
			Sg	54:36.24	-0.44
MODS	122.4	314	Sg	9:55:05.23	-0.48
MORH	155.5	175	Pn	9:54:52.91	-0.33

1730.

2023-11-22 time: 10:01:42.94 UTC ML= 1.8
 lat: 48.627N lon: 17.528E h= 0.0 km
 erh= 2.0km erz= 3.0km
 nr= 13 gap=188 rms=0.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	14.6	210	Pg	10:01:45.41	-0.14
			Sg	01:47.84	0.26
JAVC	27.8	22	PgU	10:01:47.99	0.08
			Sg	01:52.30	0.51
MODS	33.7	213	Pg	10:01:49.09	0.12
			Sg	01:53.28	-0.38
KRUC	96.2	300	Sg	10:02:13.47	-0.04
VRAC	102.1	318	Pg	10:02:01.46	0.29
			Sg	02:15.11	-0.28
MORC	127.9	0	Pg	10:02:05.13	-0.64
			Sg	02:20.16	-3.42*
CONA	146.1	238	Pn	10:02:09.10	0.91
			Sn	02:26.58	-1.30

1731.

2023-11-22 time: 10:14:23.64 UTC ML= 1.8
 lat: 48.332N lon: 19.773E h= 0.0 km
 erh= 4.5km erz= ***km
 nr= 8 gap=135 rms=0.96
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	46.9	169	Pg	10:14:32.77	0.76
			Sg	14:38.17	-0.37
PENC	70.5	211	Sg	10:14:44.70	-1.33
LANS	93.7	346	Sg	10:14:53.43	0.00
ABAH	108.9	92	Pg	10:14:44.04	0.96
			Sg	14:56.87	-1.37
NIE	127.2	18	Pg	10:14:46.86	0.51
			Sg	15:02.19	-1.88

1732.

2023-11-22 time: 10:36:41.93 UTC ML= 1.7
 lat: 48.804N lon: 21.206E h= 0.0 km
 erh= 3.5km erz= 4.5km
 nr= 9 gap= 98 rms=0.77
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	56.6	178	Pg	10:36:52.40	0.37
			Sg	36:59.99	0.08
STHS	68.2	2	Pg	10:36:55.14	1.04
			Sg	37:02.42	-1.18

KOLS	79.6	80	Sg	10:37:06.76	-0.46
NIE	94.5	316	Sg	10:37:11.26	-0.70
PSZ	138.4	225	Pn	10:37:06.41	0.19
			Sn	37:23.28	-1.89
OJC	187.5	327	Sn	10:37:36.43	0.35

1733.

2023-11-22 time: 10:39:59.24 UTC ML= 1.4
 lat: 46.194N lon: 18.045E h= 0.0 km
 erh= 5.2km erz= 7.2km
 nr= 9 gap=200 rms=1.05
 Locality: Kisbeszterce
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	12.5	160	Pg	10:40:00.59	-0.88
			Sg	40:01.53	-1.67
PKSM	46.1	87	Pg	10:40:07.98	0.50
			Sg	40:13.81	-0.09
MORH	46.4	87	Pg	10:40:07.79	0.27
			Sg	40:14.36	0.38
PKS9	47.3	22	Pg	10:40:09.55	1.86
PKST	118.4	360	Sg	10:40:35.14	-1.75
PKSG	135.8	11	Sn	10:40:41.63	-0.27

1734.

2023-11-22 time: 10:47:19.23 UTC ML= 1.9
 lat: 46.850N lon: 17.300E h= 0.0 km
 erh= 3.0km erz= 6.3km
 nr= 18 gap= 79 rms=1.13
 Locality: Vállus
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	40.0	27	Pg	10:47:27.14	0.77
			Sg	47:32.15	0.22
EGYH	63.1	2	Sg	10:47:38.33	-0.95
PKST	72.0	51	Pg	10:47:32.78	0.70
			Sg	47:42.01	-0.09
CSKK	92.6	52	Sg	10:47:46.86	-1.79
PKSG	102.4	54	Pg	10:47:38.57	1.06
			Sg	47:50.15	-1.61
KOVH	104.6	144	Pg	10:47:39.19	1.28
			Sg	47:52.03	-0.45
PKB4	107.2	112	Sg	10:47:52.03	-1.28
MORH	124.9	124	Pg	10:47:42.25	0.72
			Sg	47:57.19	-1.74
PKSM	125.0	125	Pg	10:47:41.86	0.31
			Sg	47:57.59	-1.36
PKSV	129.6	146	Pg	10:47:43.11	0.74
ARSA	142.2	288	Sn	10:47:58.45	-4.86
PTJ	147.7	224	Sn	10:48:01.73	-2.80

1735.

2023-11-22 time: 10:57:35.47 UTC ML= 1.7
 lat: 46.042N lon: 22.787E h= 0.0 km
 erh= 2.1km erz= 4.2km
 nr= 10 gap=115 rms=0.51
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.8	153	Pg	10:57:39.37	0.36
			Sg	57:41.33	-0.44
SURR	60.5	238	Pg	10:57:46.65	0.36
			Sg	57:54.63	-0.09
DRGR	83.6	356	Pg	10:57:50.66	0.27
			Sg	58:00.91	-1.12
BZS	102.5	243	Pg	10:57:53.87	0.10
			Sg	58:06.54	-1.51
VOIR	188.5	111	Pn	10:58:06.31	0.30
			Sn	58:29.32	-0.51

Hypocenter Parameters

Földrengés paraméterek

1736.

2023-11-23 time: 3:12:58.49 UTC ML= 2.1
 lat: 47.851N lon: 16.185E h= 5.4 km
 erh= 1.7km erz= 1.6km
 nr= 42 gap= 55 rms=1.03
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	18.8	154	PgU	3:13:01.89			-0.08
			Sg	13:04.38			-0.31
CONA	25.7	290	Pg	3:13:02.90			-0.27
			Sg	13:05.15			-1.67
WINA	29.7	344	Pg	3:13:04.87			0.99
			Sg	13:09.61			1.52
SOP	33.6	124	Pg	3:13:04.62			0.05
			Sg	13:09.29			-0.02
ZST	78.5	61	Sg	3:13:23.16			-0.34
ARSA	83.3	217	Pg	3:13:12.09			-1.30
			Sg	13:22.08			-2.93
EGYH	98.8	119	Pg	3:13:16.80			0.65
			Sg	13:30.13			0.20
MODS	100.0	54	Pg	3:13:16.56			0.19
			Sg	13:29.09			-1.23
ABNA	106.9	329	Pg	3:13:16.90			-0.70
			Sg	13:30.26			-2.24
SMOL	118.3	51	Pn	3:13:19.26			-0.33
			Sn	13:34.92			-1.12
MPLH	127.0	127	Sn	3:13:36.66			-1.32
KRUC	135.6	7	Pn	3:13:21.46			-0.28
			Sn	13:38.01			-1.86
MOA	143.6	270	Pn	3:13:23.24			0.50
			Sn	13:40.23			-1.43
PKST	154.0	115	Pn	3:13:24.70			0.67
			Sn	13:45.31			1.35
KOGS	156.0	178	Pn	3:13:25.88			1.59
			Sn	13:43.99			-0.42
SOKA	156.8	214	Pn	3:13:25.41			1.02
			Sn	13:43.05			-1.54
PERS	157.4	211	Pn	3:13:26.02			1.56
			Sn	13:44.38			-0.34
GROS	162.9	199	Pn	3:13:26.69			1.54
VRAC	164.9	11	Pn	3:13:25.41			0.02
			Sn	13:45.80			-0.58
TREC	168.6	342	ePn	3:13:26.60			0.74
			eSn	13:46.50			-0.71
BIOA	191.7	265	Sn	3:13:53.52			1.19
ZVC	229.7	320	ePn	3:13:35.00			1.53
			eSn	14:03.10			2.34
KHC	239.6	306	ePn	3:13:37.00			2.30
			eSn	14:04.90			1.95
PRU	266.5	333	eSn	3:14:13.00			4.07*

1737.

2023-11-23 time: 3:18:03.95 UTC ML= 1.8
 lat: 47.822N lon: 16.146E h= 5.9 km
 erh= 1.2km erz= 1.1km
 nr= 29 gap= 60 rms=0.64
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	17.7	140	PgU	3:18:07.56			0.29
			Sg	18:09.69			-0.17
CONA	24.4	299	Pg	3:18:08.76			0.34
			Sg	18:12.48			0.57
WINA	32.2	350	Pg	3:18:10.54			0.75
			Sg	18:15.31			0.96
SOP	34.5	117	Sg	3:18:14.87			-0.21
ARSA	79.0	216	Pg	3:18:17.75			-0.34
			Sg	18:27.60			-1.53
EGYH	99.8	117	Sg	3:18:35.78			0.04

MODS	104.2	54	Pg	3:18:22.47			-0.12
			Sg	18:35.78			-1.34
ABNA	108.2	331	Pg	3:18:22.59			-0.71
			Sg	18:35.69			-2.70
SMOL	122.5	51	Pn	3:18:26.07			0.56
			Sn	18:42.20			-0.12
MPLH	127.6	125	Sn	3:18:43.76			0.32
KRUC	139.1	8	Pn	3:18:27.33			-0.24
			Sn	18:44.70			-1.29
MOA	140.8	271	Pn	3:18:28.67			0.89
			Sn	18:45.76			-0.62
KOGS	152.9	177	Sn	3:18:50.02			0.95
PKST	155.3	114	Sn	3:18:50.33			0.73
BEHE	157.7	162	Sn	3:18:49.80			-0.32
VRAC	168.5	11	Pn	3:18:31.08			-0.16
			Sn	18:52.06			-0.47
TREC	170.9	343	eSn	3:18:53.40			0.36
BIOA	188.6	266	Sn	3:18:57.18			0.19
ZVC	230.4	321	eSn	3:19:08.90			2.65*

1738.

2023-11-23 time: 9:46:27.12 UTC ML= 1.0
 lat: 46.214N lon: 18.257E h= 0.0 km
 erh= 2.1km erz= 615km
 nr= 9 gap=141 rms=0.46
 Locality: Komló
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	18.5	221	Pg	9:46:30.85			0.42
			Sg	46:33.09			0.08
PKSM	29.6	90	Pg	9:46:32.93			0.52
			Sg	46:35.99			-0.54
MORH	29.8	90	Pg	9:46:32.85			0.40
			Sg	46:36.15			-0.45
PKSV	36.2	181	Pg	9:46:33.32			-0.26
			Sg	46:38.07			-0.55
PKS9	41.5	2	Sg	9:46:39.49			-0.82

1739.

2023-11-23 time: 10:45:56.50 UTC ML= 0.8
 lat: 47.189N lon: 18.304E h= 0.0 km
 erh= 1.5km erz= 3.0km
 nr= 10 gap=111 rms=0.40
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.7	350	Pg	10:46:00.23			0.21
			Sg	46:02.04			-0.72
PKST	21.9	291	Pg	10:46:00.74			0.33
			Sg	46:02.94			-0.51
PKSG	23.5	16	Pg	10:46:01.06			0.36
			Sg	46:03.89			-0.09
MORH	111.2	166	Sg	10:46:31.57			-0.29
PKSM	111.6	167	Sg	10:46:32.43			0.45
KOVH	123.3	187	Sg	10:46:35.42			-0.28
PSZ	144.6	56	Sn	10:46:40.44			-0.68

1740.

2023-11-23 time: 10:49:20.38 UTC ML= 1.4
 lat: 47.857N lon: 16.024E h= 0.0 km
 erh= 3.2km erz= 5.1km
 nr= 7 gap=119 rms=1.03
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	14.4	303	Pg	10:49:24.02			1.06
			Sg	49:25.14			0.17
RONA	26.9	131	Pg	10:49:25.80			0.61
			Sg	49:29.00			0.06

Földrengés paraméterek

ARSA 77.3 209 Sg 10:49:43.39 -1.55
 KRUC 136.7 12 Pn 10:49:44.33 -0.13
 Sn 50:00.44 -2.81

1741.

2023-11-24 time: 0:05:27.80 UTC ML= 2.2
 lat: 46.178N lon: 16.086E h= 10.0 km
 erh= 1.5km erz= 4.1km
 nr= 16 gap=175 rms=0.41

Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RCF6	19.8	331	Sg	0:05:35.30			0.43
PTJ	32.4	198	Sg	0:05:38.12			-0.46
KOGS	32.6	23	Pg	0:05:34.01			0.11
			Sg	05:38.53			-0.12
GOLS	40.2	243	iPg	0:05:35.84			0.64
			iSg	05:41.16			0.19
DOBS	47.7	266	iPg	0:05:37.04			0.53
GCI5	49.5	226	iPg	0:05:36.88			0.06
			iSg	05:43.84			-0.01
GROS	54.9	305	Pg	0:05:37.51			-0.26
			Sg	05:45.54			0.00
CRES	62.5	231	Pg	0:05:39.00			-0.10
			Sg	05:47.14			-0.77
PERS	90.3	304	Pg	0:05:43.89			-0.13
			Sg	05:55.60			-1.07
SOKA	98.2	304	Sg	0:05:57.21			-1.97*

1742.

2023-11-24 time: 6:51:50.58 UTC ML= 1.9
 lat: 48.163N lon: 20.356E h= 0.0 km
 erh= 9.6km erz= 6.4km
 nr= 6 gap=195 rms=0.54

Locality: Csokvaomány
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	43.8	232	Pg	6:51:58.65			0.24
			Sg	52:04.39			-0.13
ABAH	67.3	77	Pg	6:52:03.02			0.42
			Sg	52:11.09			-0.89
PENC	90.3	243	Pg	6:52:06.98			0.28
PKSN	145.5	195	Sn	6:52:34.12			-1.27

1743.

2023-11-24 time: 8:45:13.67 UTC ML= 1.8
 lat: 46.879N lon: 17.249E h= 0.0 km
 erh= 1.9km erz= 2.8km
 nr= 25 gap= 93 rms=0.88

Locality: Zalaszántó
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	39.2	34	Pg	8:45:21.53			0.87
			Sg	45:26.39			0.27
TIH	49.2	87	Pg	8:45:22.61			0.17
			Sg	45:29.33			0.04
EGYH	60.2	6	Sg	8:45:32.41			-0.38
PKST	73.1	55	Pg	8:45:27.47			0.75
			Sg	45:36.58			-0.32
KOGS	90.2	238	Pg	8:45:30.64			0.87
			Sg	45:42.06			-0.27
CSKK	93.8	55	Sg	8:45:42.45			-1.02
PKSG	103.7	57	Pg	8:45:32.57			0.39
			Sg	45:45.54			-1.09
KOVH	109.5	143	Pg	8:45:34.34			1.11
			Sg	45:47.00			-1.48
RCF6	115.9	238	Sg	8:45:49.14			-1.37
MORH	130.0	125	Pg	8:45:37.04			0.17
			Sg	45:52.95			-2.02

Hypocenter Parameters

PKSM 130.0 125 Pg 8:45:37.28 0.39
 Sg 45:52.64 -2.36
 PKSV 134.5 145 Pn 8:45:38.43 0.96
 Sn 45:55.34 -0.69
 ARSA 137.4 287 Sn 8:45:54.50 -2.19
 GROS 141.5 251 Pn 8:45:38.32 -0.03
 Sn 45:57.37 -0.23
 CONA 156.8 318 Sn 8:45:59.57 -1.41

1744.

2023-11-24 time: 12:37:22.63 UTC ML= 2.4
 lat: 46.152N lon: 16.467E h= 0.0 km
 erh= 2.8km erz= 5.5km
 nr= 12 gap=141 rms=0.81

Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOGS	36.9	333	Sg	12:37:35.56			1.21
RCF6	44.0	297	Sg	12:37:36.98			0.36
PTJ	48.4	235	Sg	12:37:38.27			0.26
GROS	81.9	295	Sg	12:37:47.72			-0.94
CRES	86.3	245	Pg	12:37:38.52			0.48
			Sg	37:49.79			-0.26
PERS	116.9	297	Pg	12:37:44.15			0.64
			Sg	37:58.72			-1.08
SOKA	124.8	298	Pg	12:37:45.52			0.60
			Sg	38:00.93			-1.37
KOVH	126.4	93	Sg	12:38:02.04			-0.77
ARSA	141.8	329	Sn	12:38:05.01			-1.62

1745.

2023-11-25 time: 0:50:42.22 UTC ML= 1.3
 lat: 45.608N lon: 21.747E h= 10.0 km
 erh= 8.9km erz= 6.3km
 nr= 6 gap=181 rms=0.34

Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	10.2	275	Pg	0:50:44.98			0.21
			Sg	50:46.53			-0.23
SURR	33.6	61	Pg	0:50:48.84			0.35
			Sg	50:52.65			-0.73
BANR	53.9	242	Pg	0:50:52.09			0.07
			Sg	50:59.19			-0.47

1746.

2023-11-25 time: 3:01:45.10 UTC ML= 1.4
 lat: 47.812N lon: 16.230E h= 14.7 km
 erh= 1.7km erz= 1.1km
 nr= 16 gap=111 rms=0.52

Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	13.4	158	PgD	3:01:48.97			0.31
			Sg	01:51.18			-0.26
SOP	28.5	120	PgU	3:01:51.00			0.17
			Sg	01:54.21			-1.08
CONA	30.4	295	Pg	3:01:51.75			0.61
			Sg	01:55.26			-0.59
WINA	34.9	340	Pg	3:01:52.18			0.32
			Sg	01:56.61			-0.53
ARSA	82.0	220	P*	3:02:00.19			0.25
			S*	02:11.18			-0.34
ABNA	112.3	328	Pn	3:02:04.16			-0.09
			Sn	02:17.41			-1.78
KRUC	139.5	5	Pn	3:02:07.86			0.21
			Sn	02:24.13			-1.10
VRAC	168.6	9	Pn	3:02:11.88			0.61
			Sn	02:31.37			-0.30

Hypocenter Parameters

Földrengés paraméterek

1747.

2023-11-25 time: 3:26:06.03 UTC ML= 1.9
 lat: 45.549N lon: 21.785E h= 5.2 km
 erh= 2.2km erz= 3.3km
 nr= 11 gap=147 rms=0.54
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	15.1	300	Pg	3:26:09.38			0.49
			Sg	26:10.89			-0.22
SURR	34.9	49	Pg	3:26:13.11			0.77
			Sg	26:16.48			-0.77
TIM	48.7	295	Sg	3:26:20.99			-0.60
BANR	54.1	250	Pg	3:26:15.90			0.17
			Sg	26:23.16			-0.14
GZR	79.5	103	Pg	3:26:20.29			0.04
			Sg	26:30.27			-1.08
DRGR	155.5	27	Sn	3:26:51.52			-0.37
CJR	190.7	47	Sn	3:27:02.62			2.91*

1748.

2023-11-27 time: 9:22:12.33 UTC ML= 1.5
 lat: 46.918N lon: 17.458E h= 0.0 km
 erh= 2.3km erz= ***km
 nr= 17 gap= 89 rms=0.95
 Locality: Zalahaláp
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	28.6	12	Pg	9:22:17.32			-0.12
			Sg	22:21.72			0.29
TIH	33.2	94	Sg	9:22:23.30			0.43
PKST	57.8	49	Pg	9:22:22.72			0.07
			Sg	22:30.50			-0.21
PKB4	99.4	118	Sg	9:22:43.79			-0.13
PKB5	104.0	110	Sg	9:22:44.31			-1.08
KOVH	104.6	152	Pg	9:22:32.02			1.01
			Sg	22:44.56			-1.02
KOGS	106.2	240	Pg	9:22:32.91			1.62
			Sg	22:45.07			-1.01
MORH	119.9	131	Pg	9:22:34.49			0.76
			Sg	22:49.51			-0.92
PKSM	120.0	131	Pg	9:22:34.49			0.74
			Sg	22:49.00			-1.47
RONA	123.5	315	Sg	9:22:49.88			-1.71
PKSV	129.8	152	Sg	9:22:51.55			-2.02

1749.

2023-11-27 time: 9:41:48.55 UTC ML= 1.6
 lat: 47.936N lon: 19.318E h= 0.0 km
 erh= 5.7km erz= 8.6km
 nr= 7 gap=165 rms=0.64
 Locality: Kisecset
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	16.4	189	Pg	9:41:52.06			0.59
			Sg	41:54.18			0.42
PSZ	43.1	93	Pg	9:41:56.45			0.20
			Sg	42:01.38			-0.88
PKSG	92.2	229	Sg	9:42:16.95			-0.92
PKST	122.4	232	Sg	9:42:26.57			-0.88
MODS	159.4	288	Sn	9:42:37.13			0.68

1750.

2023-11-27 time: 10:01:41.57 UTC ML= 1.4
 lat: 48.536N lon: 17.443E h= 0.0 km
 erh= 3.1km erz= 3.3km
 nr= 9 gap=178 rms=0.48
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	2.7	203	Pg	10:01:41.83			-0.22
			Sg	01:42.61			0.18
MODS	21.8	214	Pg	10:01:45.60			0.13
JAVC	39.6	25	Pg	10:01:48.38			-0.26
			Sg	01:54.74			0.58
KRUC	96.6	307	Pg	10:01:59.50			0.68
			Sg	02:10.18			-2.10
MORC	138.1	3	Pn	10:02:05.39			-0.44
			Sn	02:24.61			-0.14

1751.

2023-11-27 time: 10:30:46.41 UTC ML= 1.8
 lat: 47.542N lon: 16.308E h= 0.0 km
 erh= 1.8km erz= 1.9km
 nr= 24 gap= 81 rms=0.92
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	17.5	357	PgU	10:30:50.45			0.90
			Sg	30:51.75			-0.24
SOP	24.5	50	Pg	10:30:51.64			0.85
			Sg	30:53.93			-0.28
CONA	54.4	322	Pg	10:30:57.08			0.95
			Sg	31:02.28			-1.44
ARSA	67.5	241	Sg	10:31:07.52			-0.35
MPLH	101.8	114	Sg	10:31:17.64			-1.14
MODS	117.5	38	Pg	10:31:08.12			0.73
			Sg	31:20.58			-3.17
KOGS	121.7	182	Pg	10:31:09.50			1.36
			Sg	31:24.56			-0.53
PKST	134.1	104	Pn	10:31:10.29			0.12
			Sn	31:27.71			-0.98
GROS	134.9	207	Sn	10:31:28.42			-0.46
PERS	135.4	222	Sn	10:31:27.83			-1.15
SOKA	136.4	225	Sn	10:31:27.68			-1.52
SMOL	136.6	38	Sn	10:31:28.22			-1.04
RCFG	137.0	191	Sn	10:31:29.04			-0.29
PKSG	157.9	96	Sn	10:31:33.93			-0.06
KRUC	169.1	2	Pn	10:31:14.92			0.39
			Sn	31:35.01			-1.46
JAVC	178.1	35	Sn	10:31:39.49			1.03
VRAC	197.5	6	Sn	10:31:42.03			-0.75

1752.

2023-11-27 time: 10:33:09.78 UTC ML= 1.8
 lat: 48.656N lon: 21.446E h= 0.0 km
 erh= 2.9km erz= 5.2km
 nr= 11 gap= 81 rms=0.76
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	42.8	201	Pg	10:33:17.40			-0.03
			Sg	33:23.26			-0.14
KOLS	68.1	63	Pg	10:33:22.35			0.40
STHS	85.9	350	Pg	10:33:26.66			1.54
			Sg	33:36.46			-0.62
TRPA	99.8	126	Pg	10:33:27.67			0.06
			Sg	33:40.06			-1.46
NIE	118.6	316	Pg	10:33:30.34			-0.62
			Sg	33:46.12			-1.35
PSZ	141.4	235	Pn	10:33:34.92			0.48

Földrengés paraméterek

Hypocenter Parameters

Sn 33:53.75 0.07

1753.

2023-11-27 time: 12:20:30.66 UTC ML= 1.3
 lat: 46.817N lon: 17.425E h= 0.0 km
 erh= 7.4km erz= ***km
 nr= 10 gap=207 rms=1.10
 Locality: Hegymagas
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	40.2	12	Pg	12:20:38.15	0.31
			Sg	20:42.40	-1.05
EGYH	67.1	354	Sg	12:20:49.81	-2.18
PKST	67.5	43	Pg	12:20:43.97	1.25
			Sg	20:51.97	-0.15
KOVH	96.1	147	Pg	12:20:48.13	0.30
			Sg	20:59.15	-2.07
MORH	115.0	126	Sg	12:21:05.78	-1.42
PKSM	115.0	126	Pg	12:20:52.22	1.02
			Sg	21:07.71	0.49

1754.

2023-11-27 time: 18:52:37.89 UTC ML= 1.8
 lat: 45.664N lon: 21.886E h= 12.0 km
 erh= 2.9km erz= 2.4km
 nr= 10 gap=128 rms=0.52
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	21.1	62	PgD	18:52:42.24	0.01
			Sg	52:45.42	-0.19
BZS	21.6	256	Pg	18:52:41.69	-0.62
			Sg	52:45.01	-0.75
TIM	52.4	279	Pg	18:52:47.62	0.13
BANR	66.5	242	Pg	18:52:50.72	0.77
			Sg	52:59.47	0.11
GZR	75.8	113	Sg	18:53:02.34	0.04
DRGR	140.6	27	Pn	18:53:01.50	0.58
			Sn	53:17.68	-1.20

1755.

2023-11-28 time: 8:29:11.72 UTC ML= 1.7
 lat: 47.322N lon: 18.454E h= 0.0 km
 erh= 2.0km erz=14.3km
 nr= 11 gap=115 rms=0.67
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.1	328	Pg	8:29:13.90	0.55
			Sg	29:13.90	-0.72
CSKK	15.3	287	Pg	8:29:15.25	0.79
			Sg	29:16.08	-0.51
PKST	32.5	258	Pg	8:29:18.10	0.58
			Sg	29:21.31	-0.74
MORH	123.8	173	Sg	8:29:50.79	-0.28
PKSM	124.2	173	Sg	8:29:50.10	-1.10
PSZ	127.0	59	Pg	8:29:34.43	0.04
			Sg	29:51.56	-0.51
MODS	146.4	323	Sn	8:29:53.18	-3.55

1756.

2023-11-28 time: 9:34:55.66 UTC ML= 1.7
 lat: 48.494N lon: 17.503E h= 0.0 km
 erh= 1.9km erz= 1.8km
 nr= 12 gap=209 rms=0.52
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.9	291	PgU	9:34:56.76	0.05
			Sg	34:57.26	-0.27
MODS	21.4	231	PgU	9:34:59.97	0.49
			Sg	35:02.86	0.40
JAVC	42.4	17	Pg	9:35:03.59	0.36
			Sg	35:09.06	-0.07
KRUC	103.0	308	Pg	9:35:14.50	0.45
			Sg	35:26.90	-1.49
RONA	126.0	225	Pg	9:35:17.95	-0.21
CONA	137.3	243	Pn	9:35:19.97	0.16
			Sn	35:37.51	-1.13
MORC	142.6	1	Sn	9:35:38.79	-1.05

1757.

2023-11-29 time: 9:20:07.00 UTC ML= 1.1
 lat: 47.973N lon: 16.081E h= 0.0 km
 erh= 1.7km erz= 3.3km
 nr= 7 gap=138 rms=0.37
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.1	253	Pg	9:20:10.19	0.13
			Sg	20:11.99	-0.45
RONA	34.4	152	Pg	9:20:13.32	0.18
			Sg	20:17.53	-0.41
KRUC	123.3	11	Pg	9:20:29.55	0.54
			Sg	20:45.79	-0.39
VRAC	153.2	14	Sn	9:20:53.04	-0.48

1758.

2023-11-29 time: 10:00:49.94 UTC ML= 1.5
 lat: 48.576N lon: 20.784E h= 0.0 km
 erh= 2.2km erz= 5.4km
 nr= 13 gap= 89 rms=0.84
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.8	133	Pg	10:00:58.49	0.37
			Sg	01:04.42	-0.08
PSZ	98.5	222	Pg	10:01:08.56	1.03
			Sg	01:20.89	-0.36
STHS	99.4	20	Pg	10:01:08.40	0.71
			Sg	01:20.73	-0.80
NIE	99.9	340	Pg	10:01:08.63	0.85
			Sg	01:20.89	-0.81
LANS	115.8	304	Pg	10:01:10.12	-0.50
			Sg	01:25.18	-1.58
KOLS	116.5	70	Pg	10:01:11.29	0.55
			Sg	01:25.73	-1.23
TRPA	139.2	111	Sn	10:01:31.66	-1.68

1759.

2023-11-29 time: 11:00:26.92 UTC ML= 1.7
 lat: 48.146N lon: 16.885E h= 0.0 km
 erh= 2.7km erz= 5.4km
 nr= 9 gap=150 rms=0.73
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.1	71	Pg	11:00:30.07	0.10
			Sg	00:31.85	-0.51
MODS	38.6	49	Pg	11:00:33.98	0.17
			Sg	00:38.29	-0.90
RONA	66.3	222	Pg	11:00:39.25	0.49
			Sg	00:46.95	-1.05
KRUC	108.0	340	Pg	11:00:47.35	1.14
			Sg	01:01.06	-0.20

Hypocenter Parameters

VRAC 131.0 351 Sn 11:01:06.99 -1.52

1760.

2023-11-29 time: 11:56:12.94 UTC ML= 2.4
 lat: 48.442N lon: 17.226E h= 0.0 km
 erh= 1.7km erz= 612km
 nr= 12 gap=120 rms=0.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.5	153	Pg	11:56:14.38			-0.07
			Sg	56:16.18			0.54
SMOL	17.0	62	Pg	11:56:15.63			-0.34
			Sg	56:18.68			0.35
ZST	28.8	199	Pg	11:56:18.36			0.28
			Sg	56:20.71			-1.39
JAVC	56.8	35	Pg	11:56:23.36			0.28
			Sg	56:29.45			-1.54
KRUC	92.1	318	Pg	11:56:29.84			0.46
			Sg	56:41.55			-0.66
VRAC	106.9	334	Pg	11:56:32.02			-0.01
			Sg	56:47.17			0.25

1761.

2023-11-29 time: 12:10:36.01 UTC ML= 1.7
 lat: 48.780N lon: 21.221E h= 0.0 km
 erh= 3.9km erz= 5.0km
 nr= 7 gap=212 rms=0.98
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	53.9	179	Pg	12:10:46.69			1.06
			Sg	10:52.67			-0.47
KOLS	79.1	78	Pg	12:10:51.34			1.21
			Sg	11:00.50			-0.64
TRPA	121.4	127	Sg	12:11:12.94			-1.66
PSZ	137.3	226	Pn	12:10:59.72			-0.44
			Sn	11:18.03			-0.97

1762.

2023-11-29 time: 13:04:05.33 UTC ML= 1.1
 lat: 47.889N lon: 16.072E h= 0.0 km
 erh= 2.0km erz= 3.0km
 nr= 8 gap=111 rms=0.56
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.3	286	Pg	13:04:08.79			0.55
			Sg	04:10.39			-0.12
RONA	26.9	141	Pg	13:04:10.58			0.44
			Sg	04:13.59			-0.30
MODS	104.7	59	Sg	13:04:38.40			-0.21
KRUC	132.6	10	Pn	13:04:28.80			-0.10
			Sn	04:46.13			-1.15
KOGS	160.7	175	Sn	13:04:50.40			-3.12

1763.

2023-11-29 time: 13:10:48.05 UTC ML= 1.5
 lat: 48.539N lon: 17.587E h= 0.0 km
 erh= 2.1km erz= 2.2km
 nr= 14 gap=209 rms=0.45
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	12.0	257	Pg	13:10:50.45			0.26
			Sg	10:51.23			-0.64

Földrengés paraméterek

MODS 29.3 231 Pg 13:10:53.65 0.36

Sg 10:56.92 -0.45

JAVC 36.2 10 Pg 13:10:54.62 0.11

Sg 10:59.54 -0.01

KRUC 105.2 304 Pg 13:11:07.06 0.24

Sg 11:20.84 -0.63

VRAC 112.4 320 Pg 13:11:08.92 0.80

SOP 122.1 219 Pg 13:11:09.54 -0.31

RONA 133.9 226 Pn 13:11:11.91 0.13

MORC 137.8 359 Pn 13:11:11.58 -0.68

Sn 11:29.26 -1.88

CONA 145.0 242 Sn 13:11:32.73 -0.03

1764.

2023-11-29 time: 14:46:04.30 UTC ML= 1.0
 lat: 47.896N lon: 16.428E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 8 gap=154 rms=1.07
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	24.0	204	Pg	14:46:08.07			-0.51
			Sg	46:12.12			0.20
CONA	42.5	275	Pg	14:46:12.79			0.91
			Sg	46:17.70			-0.09
MODS	82.6	50	Pg	14:46:20.28			1.24
			Sg	46:29.65			-0.89
ARSA	98.9	223	Sg	14:46:34.92			-0.82
KRUC	129.6	359	Sg	14:46:42.25			-3.25

1765.

2023-11-29 time: 20:10:23.46 UTC ML= 1.0
 lat: 45.669N lon: 18.272E h= 11.2 km
 erh= 5.7km erz=10.5km
 nr= 9 gap=319 rms=0.53
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	24.5	356	Pg	20:10:28.34			0.07
			Sg	10:33.10			1.08
KOVH	48.5	344	Pg	20:10:32.12			-0.23
			Sg	10:38.36			-0.93
PKSM	66.8	25	Pg	20:10:35.63			0.08
			Sg	10:44.42			-0.57
MORH	67.3	25	Pg	20:10:35.69			0.05
			Sg	10:44.81			-0.33
PKB4	95.5	16	Sg	20:10:55.38			1.36

1766.

2023-12-01 time: 10:23:34.01 UTC ML= 0.7
 lat: 47.868N lon: 16.017E h= 0.0 km
 erh= 1.8km erz= 2.6km
 nr= 6 gap=192 rms=0.25
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	13.4	300	Pg	10:23:36.63			0.23
			Sg	23:37.83			-0.44
RONA	28.1	132	Pg	10:23:39.06			0.04
			Sg	23:42.65			-0.28
ARSA	78.1	208	Sg	10:23:59.13			0.31
SOKA	151.8	209	Sn	10:24:20.00			-0.22

Földrengés paraméterek

Hypocenter Parameters

1767.

2023-12-01 time: 10:30:50.95 UTC ML= 2.0
 lat: 45.903N lon: 16.011E h= 10.0 km
 erh= 1.4km erz= 1.7km
 nr= 19 gap=138 rms=0.43
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.2	266	Pg	10:30:52.65	-0.23
			Sg	30:53.82	-0.57
R971	7.2	181	PgU	10:30:52.80	-0.34
			Sg	30:54.51	-0.35
ZAG	8.3	189	Pg	10:30:53.31	0.05
			Sg	30:55.14	0.07
GCIS	30.1	263	iPg	10:30:57.04	0.44
			iSg	31:01.06	0.04
GOLS	32.3	292	iPg	10:30:57.60	0.61
			iSg	31:01.74	0.04
CRES	43.9	259	Pg	10:30:59.15	0.16
			Sg	31:04.99	-0.27
RCF6	48.1	355	Pg	10:31:00.06	0.35
			Sg	31:07.18	0.63
KOGS	63.4	17	Pg	10:31:02.71	0.30
			Sg	31:11.18	-0.17
GROS	73.5	328	Sg	10:31:13.51	-1.02
BEHE	86.4	43	Sg	10:31:18.11	-0.48
SOKA	114.6	319	Sn	10:31:25.14	-1.47
KOVH	163.1	83	Sn	10:31:40.03	2.64*

1768.

2023-12-01 time: 10:36:44.84 UTC ML= 1.5
 lat: 48.599N lon: 20.785E h= 0.0 km
 erh= 3.2km erz= 7.3km
 nr= 10 gap= 92 rms=1.07
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.6	135	Pg	10:36:54.08	0.73
			Sg	37:00.50	0.52
NIE	97.5	339	Pg	10:37:03.94	1.69
			Sg	37:14.74	-1.08
PSZ	100.5	221	Pg	10:37:02.69	-0.10
			Sg	37:16.62	-0.17
LANS	114.4	302	Pg	10:37:05.59	0.32
			Sg	37:19.67	-1.54
KOLS	115.6	71	Sg	10:37:20.46	-1.12
TRPA	140.1	112	Sn	10:37:26.17	-2.28

1769.

2023-12-01 time: 10:49:11.76 UTC ML= 1.5
 lat: 48.600N lon: 21.453E h= 0.0 km
 erh= 4.2km erz= 5.3km
 nr= 9 gap=101 rms=1.12
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	37.3	205	Pg	10:49:19.54	1.12
			Sg	49:23.21	-0.41
KOLS	70.8	58	Pg	10:49:25.93	1.54
			Sg	49:33.89	-0.36
TRPA	95.9	123	Pg	10:49:29.03	0.14
			Sg	49:41.26	-0.99
NIE	123.5	318	Sg	10:49:48.50	-2.51
PSZ	138.3	237	Sn	10:49:53.82	-1.16
MEZ	152.4	94	Sn	10:49:57.45	-0.66

1770.

2023-12-01 time: 12:01:20.78 UTC ML= 1.9
 lat: 48.379N lon: 18.264E h= 0.0 km
 erh= 2.6km erz= 3.3km
 nr= 23 gap= 85 rms=1.24
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
JAVC	69.0	321	Pg	12:01:34.98	1.87
			Sg	01:40.76	-1.96
MODS	73.1	270	Pg	12:01:34.36	0.52
			Sg	01:42.30	-1.72
ZST	88.6	257	Pg	12:01:38.14	1.54
			Sg	01:49.56	0.63
PENC	100.2	131	Sg	12:01:52.91	0.28
PKSG	110.2	175	Sg	12:01:55.73	-0.08
CSKK	113.0	180	Pg	12:01:42.09	1.13
			Sg	01:55.96	-0.74
LANS	123.3	46	Pg	12:01:42.09	-0.70
			Sg	01:58.92	-1.04
PKST	125.7	188	Sg	12:01:58.05	-2.70
EGYH	127.7	213	Sg	12:01:59.13	-2.24
PSZ	131.7	113	Pn	12:01:44.99	0.75
			Sn	02:01.69	-0.85
MPLH	145.0	202	Sn	12:02:04.52	-0.96
VRAC	160.3	310	Pn	12:01:47.95	0.14
			Sn	02:06.94	-1.95
RONA	165.0	243	Pn	12:01:49.72	1.32
			Sn	02:10.29	0.36
CONA	185.6	254	Pn	12:01:50.53	-0.44
			Sn	02:12.84	-1.67

1771.

2023-12-01 time: 20:55:01.87 UTC ML= 2.7
 lat: 45.657N lon: 18.174E h= 5.5 km
 erh= 2.0km erz= 1.8km
 nr= 58 gap=100 rms=0.95
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	26.4	13	Pg	20:55:07.20	0.52
			Sg	55:11.08	0.64
KOVH	48.3	353	PgD	20:55:10.74	0.20
			Sg	55:16.73	-0.58
PKSM	71.5	30	PgD	20:55:14.79	0.12
			Sg	55:23.79	-0.87
MORH	72.0	30	PgD	20:55:14.85	0.09
			Sg	55:23.67	-1.15
PKB4	99.0	20	Pg	20:55:19.42	-0.16
			Sg	55:33.49	0.10
PKS9	103.7	4	Pg	20:55:20.75	0.35
			Sg	55:34.42	-0.44
ROB0	105.3	118	Sg	20:55:34.95	-0.43
PKB5	112.9	23	Pg	20:55:22.12	0.07
			Sg	55:36.34	-1.46
PKB3	116.2	43	Pg	20:55:23.61	0.97
			Sg	55:37.52	-1.33
PKS2	122.8	41	Pn	20:55:23.60	0.10
			Sn	55:38.50	-1.88
BLY	127.5	218	Pn	20:55:23.80	-0.29
			Sn	55:38.60	-2.82
PKB1	134.1	21	Pn	20:55:24.50	-0.41
TIH	139.8	351	Pn	20:55:26.34	0.71
			Sn	55:42.11	-2.06
FRGS	140.6	114	Pn	20:55:25.57	-0.16
			Sn	55:44.68	0.33
BEHE	141.0	310	Pn	20:55:25.20	-0.58
			Sn	55:41.97	-2.46
PKS6	150.1	46	Pn	20:55:27.27	0.36
			Sn	55:48.45	2.00
R971	169.6	277	Pn	20:55:28.59	-0.75

Hypocenter Parameters

Földrengés paraméterek

PKS7	172.2	26	Pn	20:55:29.74	0.07
			Sn	55:53.94	2.59
KOGS	172.9	301	Pn	20:55:28.38	-1.38
			Sn	55:52.82	1.31
PTJ	174.5	279	Pn	20:55:31.30	1.35
			Sn	55:52.10	0.24
MPLH	175.1	344	Pn	20:55:29.96	-0.07
			Sn	55:53.03	1.03
PKST	178.4	357	Pn	20:55:30.20	-0.24
			Sn	55:54.30	1.57
RCF6	187.3	294	Pn	20:55:33.81	2.26
			Sn	55:56.12	1.41
CSKK	189.8	2	Pn	20:55:31.96	0.10
			Sn	55:54.73	-0.52
PKSN	189.8	43	Sn	20:55:59.10	3.84
PKSG	193.5	5	Pn	20:55:32.28	-0.05
			Sn	55:59.23	3.14
EGYH	206.0	342	Pn	20:55:33.86	-0.03
CRES	212.3	275	Pn	20:55:37.52	2.85
			Sn	56:04.42	4.16*
GROS	225.3	293	Pn	20:55:35.00	-1.29
PERS	260.1	295	Pn	20:55:39.83	-0.79
SOKA	267.8	295	Pn	20:55:40.39	-1.20
BZS	268.5	91	Pn	20:55:41.84	0.17
RONA	268.7	328	Pn	20:55:41.42	-0.28
ARSA	269.9	311	Pn	20:55:41.23	-0.62
PSZ	283.6	28	Pn	20:55:42.47	-1.09
CONA	308.1	325	Pn	20:55:46.52	-0.09*
			Sn	56:18.38	-3.13*
MODS	309.6	347	ePn	20:55:46.70	-0.10*
WINA	316.0	330	Sn	20:56:20.29	-2.97*
MOA	385.4	309	Pn	20:55:56.37	0.11*
			Sn	56:36.63	-2.05*
ABNA	394.2	328	Pn	20:55:56.86	-0.49*
			Sn	56:38.36	-2.28*
BIOA	414.2	303	Pn	20:55:59.76	-0.09*
			Sn	56:42.70	-2.38*

1772.

2023-12-01 time: 21:00:46.66 UTC ML= 1.1
 lat: 45.729N lon: 18.159E h= 10.6 km
 erh= 5.1km erz= 6.8km
 nr= 9 gap=319 rms=0.49
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	19.2	22	Pg	21:00:50.22	-0.35
			Sg	00:54.22	0.60
KOVH	40.2	353	PgD	21:00:53.64	-0.45
			Sg	00:59.82	-0.07
PKSM	65.4	35	Pg	21:00:58.88	0.38
			Sg	01:07.00	-0.73
MORH	65.9	35	Pg	21:00:58.88	0.30
			Sg	01:07.48	-0.40
PKB4	92.0	22	Sg	21:01:17.26	1.17

1773.

2023-12-02 time: 18:18:36.82 UTC ML= 1.8
 lat: 45.633N lon: 18.139E h= 5.6 km
 erh= 5.2km erz= 3.5km
 nr= 14 gap=186 rms=0.73
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	29.7	17	Pg	18:18:42.67	0.45
			Sg	18:46.62	0.19
KOVH	50.6	357	Pg	18:18:46.09	0.17
			Sg	18:52.23	-0.79
PKSM	75.2	31	Pg	18:18:50.28	-0.01
			Sg	18:59.58	-1.21
MORH	75.7	31	Pg	18:18:50.40	0.03

			Sg	18:59.43	-1.52
PKB4	102.4	21	Pg	18:18:55.48	0.34
			Sg	19:09.47	0.04
BLY	123.7	217	Sn	18:19:13.95	-1.56
PKB1	137.5	22	Pn	18:19:01.44	1.16
			Sn	19:18.22	-0.36
KOGS	171.9	302	Sn	18:19:28.32	2.10

1774.

2023-12-03 time: 11:47:09.44 UTC ML= 2.2
 lat: 45.583N lon: 21.439E h= 10.0 km
 erh= 2.6km erz= 1.9km
 nr= 13 gap=125 rms=0.70
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	14.4	75	Pg	11:47:13.03	0.46
			Sg	47:14.90	-0.11
TIM	24.1	315	Pg	11:47:13.59	-0.51
			Sg	47:17.30	-0.44
BANR	32.5	227	PgU	11:47:15.62	0.10
			Sg	47:20.74	0.48
SURR	56.7	70	Pg	11:47:20.10	0.37
GZR	106.7	101	P*	11:47:28.18	-0.30
			S*	47:42.17	-1.16
FRGS	137.0	249	Sn	11:47:49.26	-0.82
DRGR	166.5	36	Pn	11:47:37.59	1.64
			Sn	47:55.66	-0.97
MORH	228.0	288	Sn	11:48:14.29	4.00*
PKSM	228.1	288	Sn	11:48:13.67	3.36*

1775.

2023-12-04 time: 9:39:31.05 UTC ML= 1.8
 lat: 48.528N lon: 17.449E h= 0.0 km
 erh= 1.5km erz= 1.9km
 nr= 16 gap=191 rms=0.40
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	2.2	225	Pg	9:39:31.54	0.10
			Sg	39:32.00	0.25
MODS	21.4	217	Pg	9:39:34.47	-0.40
			Sg	39:37.87	0.03
JAVC	40.3	24	Pg	9:39:38.33	0.09
			Sg	39:44.20	0.35
ZST	45.0	215	Sg	9:39:45.85	0.51
KRUC	97.6	307	Pg	9:39:48.43	-0.05
			Sg	40:02.09	0.01
VRAC	107.1	324	Pg	9:39:50.50	0.33
			Sg	40:03.84	-1.25
RONA	125.9	223	Pg	9:39:53.54	0.00
CONA	135.5	241	Pn	9:39:54.92	-0.06
			Sn	40:11.57	-2.08*
MORC	139.1	3	Pn	9:39:55.79	0.37
			Sn	40:13.27	-1.16

1776.

2023-12-04 time: 9:48:20.69 UTC ML= 1.1
 lat: 47.498N lon: 18.484E h= 0.0 km
 erh= 4.7km erz= 3.2km
 nr= 7 gap=303 rms=0.42
 Locality: Szárliget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	13.7	211	Pg	9:48:23.52	0.38
			Sg	48:25.45	0.39
CSKK	22.6	228	Pg	9:48:24.72	0.00
			Sg	48:28.10	0.24
PKST	43.1	232	Sg	9:48:33.54	-0.86

Földrengés paraméterek

Hypocenter Parameters

MORH 143.0 175 Sn 9:49:04.28 -0.68
 PKSM 143.5 175 Sn 9:49:04.82 -0.23

Sg 37:04.54 0.17
 MPLH 136.0 237 Pn 11:36:57.50 0.91
 Sn 37:14.25 -1.05
 JAVC 153.7 318 Sn 11:37:18.32 -0.91
 MORH 182.4 190 Sn 11:37:25.83 0.22
 PKSM 182.9 190 Sn 11:37:25.83 0.12

1777.

2023-12-04 time: 10:10:21.84 UTC ML= 2.0
 lat: 48.374N lon: 18.555E h= 0.0 km
 erh= 1.6km erz= 2.1km
 nr= 24 gap= 79 rms=0.73
 Locality: Slovakia
 Comments: probably explosion

1780.

2023-12-05 time: 0:03:24.41 UTC ML= 1.2
 lat: 45.654N lon: 21.858E h= 10.0 km
 erh= 3.1km erz= 1.8km
 nr= 6 gap=180 rms=0.22
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
JAVC	84.6	310	Pg	10:10:37.19	0.24
			Sg	10:47.90	-0.84
SMOL	84.7	281	Pg	10:10:37.73	0.75
			Sg	10:49.14	0.36
MODS	94.6	270	Pg	10:10:39.41	0.67
			Sg	10:51.14	-0.78
LANS	109.4	38	Pg	10:10:41.98	0.60
ZST	109.6	260	Pg	10:10:41.38	-0.03
			Sg	10:54.81	-1.86
PKSG	109.9	186	Pg	10:10:41.54	0.08
			Sg	10:56.36	-0.41
PSZ	111.8	117	Pg	10:10:41.85	0.03
			Sg	10:55.28	-2.11
CSKK	114.5	191	Pg	10:10:43.18	0.89
			Sg	10:57.63	-0.61
PKST	129.9	197	Pg	10:10:45.70	0.65
			Sg	11:02.53	-0.61
EGYH	140.3	221	Pn	10:10:46.48	0.11
			Sn	11:03.61	-1.88
MPLH	153.9	210	Sn	10:11:08.40	-0.13
MORC	172.7	335	Pn	10:10:50.34	-0.07
			Sn	11:11.02	-1.67
VRAC	177.5	306	Sn	10:11:12.57	-1.20
RONA	184.3	246	Sn	10:11:15.56	0.28

sta	dist	azm	phase	hr mn sec	res
BZS	19.2	257	Pg	0:03:28.40	0.12
			Sg	03:31.44	0.14
SURR	23.6	62	Pg	0:03:29.07	0.09
			Sg	03:32.12	-0.42
BANR	64.0	242	Pg	0:03:35.81	-0.17
LTVH	192.4	1	Sn	0:04:18.09	0.74

1781.

2023-12-05 time: 0:08:10.09 UTC ML= 1.1
 lat: 45.775N lon: 21.788E h= 0.6 km
 erh= 2.4km erz=80.8km
 nr= 5 gap=191 rms=0.33
 Locality: Romania
 Comments:

1778.

2023-12-04 time: 10:59:58.82 UTC ML= 1.9
 lat: 48.163N lon: 16.865E h= 0.0 km
 erh= 4.2km erz= 819km
 nr= 8 gap=141 rms=0.61
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BZS	22.1	217	Pg	0:08:14.35	0.31
			Sg	08:16.85	-0.27
SURR	26.3	95	Pg	0:08:14.97	0.18
			Sg	08:17.55	-0.90
TIM	44.3	264	Pg	0:08:17.94	-0.07

1782.

2023-12-05 time: 8:51:16.72 UTC ML= 1.2
 lat: 48.521N lon: 17.479E h= 0.0 km
 erh= 1.6km erz= 227km
 nr= 6 gap=202 rms=0.14
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.0	78	Pg	11:00:02.39	0.36
			Sg	00:04.42	-0.12
MODS	38.5	53	Pg	11:00:05.83	0.13
			Sg	00:10.51	-0.56
SMOL	57.2	47	Sg	11:00:16.42	-0.57
RONA	66.8	220	Pg	11:00:10.37	-0.37
JAVC	97.7	38	Pg	11:00:17.18	0.92
VRAC	129.0	351	Sg	11:00:37.92	-1.89

sta	dist	azm	phase	hr mn sec	res
SMOL	3.8	258	Pg	8:51:17.16	-0.25
			Sg	51:18.01	0.07
MODS	22.2	222	Pg	8:51:20.78	0.10
			Sg	51:23.83	0.06
JAVC	40.2	21	Pg	8:51:23.87	-0.03
			Sg	51:29.66	0.17

1779.

2023-12-04 time: 11:36:32.60 UTC ML= 1.5
 lat: 47.832N lon: 19.057E h= 0.0 km
 erh= 2.5km erz= 2.5km
 nr= 14 gap=123 rms=0.64
 Locality: Veróce
 Comments: probably explosion

1783.

2023-12-05 time: 9:36:27.83 UTC ML= 1.7
 lat: 48.633N lon: 19.101E h= 0.0 km
 erh= 2.4km erz= 4.4km
 nr= 11 gap=102 rms=0.81
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.4	105	Sg	11:36:38.48	0.33
BUD	38.8	184	Pg	11:36:40.36	0.83
			Sg	36:44.12	-0.82
PSZ	63.4	81	Pg	11:36:44.12	0.20
			Sg	36:51.47	-1.28
PKSG	70.0	226	Sg	11:36:54.45	-0.42
CSKK	79.4	229	Sg	11:36:57.42	-0.43
PKST	99.9	230	Pg	11:36:50.45	0.00

sta	dist	azm	phase	hr mn sec	res
LANS	63.5	25	Pg	9:36:38.86	-0.32
			Sg	36:47.79	-0.23
PSZ	98.9	143	Pg	9:36:46.06	0.57
			Sg	36:58.90	-0.37
JAVC	108.2	283	Pg	9:36:48.26	1.11
			Sg	37:02.19	-0.03
SMOL	124.1	264	Sg	9:37:06.33	-0.96

Hypocenter Parameters

NIE 124.5 45 Pg 9:36:51.00 0.94
 Sg 37:06.02 -1.38
 PKSG 147.8 201 Sn 9:37:12.28 -0.89
 CSKK 154.5 204 Sn 9:37:13.22 -1.43

1784.

2023-12-05 time: 9:41:41.14 UTC ML= 1.2
 lat: 47.962N lon: 16.092E h= 0.0 km
 erh= 1.6km erz= 3.1km
 nr= 9 gap=113 rms=0.41
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	17.6	258	Pg	9:41:44.11	-0.18
			Sg	41:46.85	0.11
RONA	32.9	152	Pg	9:41:46.85	-0.17
			Sg	41:51.54	-0.06
MODS	99.4	63	Sg	9:42:12.99	0.26
KRUC	124.4	10	Pg	9:42:03.56	0.21
			Sg	42:19.79	-0.88
VRAC	154.2	14	Pn	9:42:08.29	0.88
			Sn	42:27.35	-0.55

1785.

2023-12-05 time: 9:52:01.91 UTC ML= 1.0
 lat: 46.229N lon: 18.256E h= 0.0 km
 erh= 3.3km erz= ***km
 nr= 9 gap=134 rms=0.87
 Locality: Kisbattyán
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.7	218	Pg	9:52:06.13	0.70
			Sg	52:08.14	-0.04
PKSM	29.8	94	PgU	9:52:08.12	0.89
			Sg	52:10.57	-0.81
MORH	30.0	93	Pg	9:52:08.02	0.75
			Sg	52:10.88	-0.56
PKSV	37.8	180	Sg	9:52:12.58	-1.35
PKST	115.8	352	Sg	9:52:37.82	-0.89
PKSG	129.7	5	Sg	9:52:41.60	-1.54

1786.

2023-12-05 time: 10:42:14.54 UTC ML= 1.4
 lat: 47.893N lon: 16.059E h= 0.0 km
 erh= 1.5km erz= 2.1km
 nr= 9 gap=145 rms=0.71
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.2	285	Pg	10:42:17.60	0.34
			Sg	42:18.86	-0.53
RONA	27.9	140	Pg	10:42:19.56	0.04
			Sg	42:22.57	-0.84
MODS	105.3	59	Pg	10:42:34.24	0.90
			Sg	42:49.14	1.13
KRUC	132.4	11	Pn	10:42:37.64	-0.44
			Sn	42:54.82	-1.61
VRAC	162.3	14	Sn	10:43:02.49	-0.59

1787.

2023-12-05 time: 10:48:13.27 UTC ML= 0.6
 lat: 47.175N lon: 18.314E h= 0.0 km
 erh= 2.7km erz= 734km
 nr= 8 gap=153 rms=0.52
 Locality: Székesfehérvár
 Comments: probably explosion

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CSKK	21.3	349	Pg	10:48:17.36	0.29
			Sg	48:19.06	-0.98
PKST	23.1	294	Pg	10:48:18.13	0.73
			Sg	48:19.83	-0.80
PKSG	24.8	14	Pg	10:48:17.90	0.20
			Sg	48:20.99	-0.16
MORH	109.6	167	Sg	10:48:47.85	-0.26
PKSM	110.0	167	Sg	10:48:47.85	-0.38

1788.

2023-12-06 time: 0:39:08.26 UTC ML= 1.7
 lat: 48.644N lon: 20.227E h= 0.0 km
 erh= 2.5km erz= 3.7km
 nr= 9 gap= 99 rms=0.90
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	79.2	315	Sg	0:39:33.01	-0.42
ABAH	84.3	117	Pg	0:39:24.54	1.23
			Sg	39:35.05	0.01
PSZ	84.4	197	Pg	0:39:24.12	0.79
			Sg	39:35.22	0.14
NIE	86.4	4	Sg	0:39:35.54	-0.17
PENC	118.1	217	Sg	0:39:44.32	-1.47
UZH	152.3	91	Sn	0:39:53.62	-0.95
KOLS	153.7	78	Sn	0:39:53.65	-1.25

1789.

2023-12-06 time: 8:39:22.58 UTC ML= 1.5
 lat: 47.854N lon: 19.118E h= 0.0 km
 erh= 5.2km erz= 765km
 nr= 6 gap=212 rms=0.45
 Locality: Szendehegy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.1	120	Pg	8:39:25.43	0.33
			Sg	39:26.92	-0.15
PSZ	58.5	83	Pg	8:39:33.41	0.39
			Sg	39:40.14	-1.03
PKSG	75.1	227	Sg	8:39:46.40	-0.04
PKST	105.1	231	Sg	8:39:55.48	-0.49

1790.

2023-12-06 time: 9:12:47.24 UTC ML= 1.8
 lat: 48.812N lon: 19.478E h= 0.0 km
 erh= 2.9km erz= 2.9km
 nr= 9 gap=141 rms=0.54
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	37.6	359	Pg	9:12:53.70	-0.27
			Sg	12:59.33	0.12
NIE	90.9	42	Pg	9:13:04.11	0.63
			Sg	13:15.77	-0.38
PSZ	104.1	163	Pg	9:13:06.53	0.70
			Sg	13:19.37	-0.95
SRO	140.7	218	Pn	9:13:11.48	-0.34
ABAH	142.1	114	Sn	9:13:30.53	-0.78
OJC	158.2	8	Sn	9:13:35.15	0.27

Földrengés paraméterek

Hypocenter Parameters

1791.

2023-12-06 time: 11:01:03.50 UTC ML= 1.6
 lat: 46.920N lon: 17.277E h= 0.0 km
 erh= 4.0km erz= 5.6km
 nr= 11 gap=193 rms=0.79
 Locality: Sümegprága
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	34.2	36	Pg	11:01:10.34	0.72
			Sg	01:14.18	-0.21
TIH	47.0	93	Sg	11:01:18.64	0.21
PKST	68.8	57	Pg	11:01:16.21	0.43
			Sg	01:24.51	-0.85
RONA	114.1	319	Pg	11:01:24.27	0.39
			Sg	01:38.20	-1.57
MORH	130.8	127	Pn	11:01:27.17	0.32
			Sn	01:43.29	-1.76
PKSM	130.9	127	Pn	11:01:27.33	0.47
			Sn	01:43.37	-1.70

1792.

2023-12-06 time: 12:03:25.59 UTC ML= 2.1
 lat: 46.878N lon: 17.336E h= 0.0 km
 erh= 2.0km erz= 4.6km
 nr= 20 gap=145 rms=0.70
 Locality: Lesenceistvánd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	36.0	25	Pg	12:03:31.97	-0.04
			Sg	03:36.27	-0.75
TIH	42.5	87	Pg	12:03:33.69	0.51
			Sg	03:40.11	1.01
PKST	67.9	51	Pg	12:03:38.07	0.36
			Sg	03:46.13	-1.03
CSKK	88.5	52	Pg	12:03:41.99	0.60
			Sg	03:52.47	-1.24
KOGS	95.9	240	Pg	12:03:42.14	-0.57
PKSG	98.3	54	Pg	12:03:43.32	0.18
			Sg	03:55.53	-1.30
KOVH	105.6	146	Pg	12:03:45.27	0.83
			Sg	03:58.50	-0.64
PKB4	105.8	114	Pg	12:03:45.27	0.78
			Sg	03:59.28	0.05
MORH	124.4	126	Pg	12:03:48.09	0.28
			Sg	04:04.06	-1.08
PKSM	124.5	126	Pg	12:03:48.17	0.35
			Sg	04:04.06	-1.11
PKSV	130.6	147	Sn	12:04:05.86	-1.24

1793.

2023-12-07 time: 3:02:08.86 UTC ML= 1.7
 lat: 46.169N lon: 16.740E h= 10.0 km
 erh= 2.0km erz= 1.9km
 nr= 15 gap=149 rms=0.55
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.5	5	Sg	3:02:20.60	0.61
KOGS	48.8	309	Pg	3:02:17.36	-0.40
			Sg	02:24.30	-0.41
RCF6	62.9	287	Sg	3:02:28.96	-0.14
PTJ	67.6	244	Pg	3:02:21.34	0.28
			Sg	02:31.08	0.51
GROS	100.8	289	Pg	3:02:26.53	-0.41
			Sg	02:38.69	-2.35
KOVH	105.5	95	P*	3:02:27.67	-0.04
			S*	02:41.29	-1.13
CRES	106.5	249	P*	3:02:28.31	0.44
			S*	02:41.86	-0.84

MPLH 127.0 29 Pn 3:02:31.00 0.56
 PERS 135.2 293 Sn 3:02:49.86 0.75
 SOKA 142.9 293 Sn 3:02:51.30 0.47

1794.

2023-12-07 time: 7:44:54.52 UTC ML= 1.6
 lat: 46.833N lon: 22.895E h= 0.0 km
 erh= 2.4km erz= 2.2km
 nr= 7 gap=122 rms=0.47
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	14.8	252	Pg	7:44:57.49	0.33
			Sg	44:59.44	0.22
CJR	55.4	104	Sg	7:45:12.24	0.12
SURR	133.9	206	Pn	7:45:18.11	-0.14
			Sn	45:34.58	-2.18
GZR	160.3	183	Sn	7:45:42.60	-0.03
MEZ	192.5	14	Sn	7:45:49.41	-0.37

1795.

2023-12-07 time: 9:24:10.66 UTC ML= 1.2
 lat: 47.927N lon: 16.068E h= 8.4 km
 erh= 2.7km erz= 2.3km
 nr= 10 gap=124 rms=0.60
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
CONA	15.4	270	Pg	9:24:13.44	-0.35
			Sg	24:15.68	-0.56
WINA	20.0	1	Pg	9:24:14.89	0.35
			Sg	24:18.12	0.56
RONA	30.5	146	Pg	9:24:16.65	0.34
			Sg	24:20.85	0.12
MODS	102.8	61	Sg	9:24:40.54	-2.89
KRUC	128.5	11	Pn	9:24:32.59	-0.04
			Sn	24:48.95	-0.82
VRAC	158.4	14	Sn	9:24:57.50	1.09

1796.

2023-12-07 time: 10:25:39.12 UTC ML= 1.7
 lat: 48.931N lon: 21.307E h= 0.0 km
 erh= 4.3km erz= 5.0km
 nr= 10 gap=103 rms=0.69
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	54.2	355	Pg	10:25:49.64	0.84
			Sg	25:55.75	-0.60
KOLS	70.8	90	Pg	10:25:51.76	0.00
NIE	90.5	307	Sg	10:26:08.28	0.39
HOLU	91.1	120	Pg	10:25:55.00	-0.38
STZU	96.8	84	Pg	10:25:55.50	-0.90
MUKU	114.6	118	Pg	10:25:59.94	0.36
PSZ	153.6	223	Sn	10:26:24.91	-0.83
MEZ	168.9	106	Pn	10:26:08.55	1.34
OJC	180.1	323	Sn	10:26:30.82	-0.79

1797.

2023-12-07 time: 10:50:59.62 UTC ML= 0.6
 lat: 47.219N lon: 18.274E h= 0.0 km
 erh= 1.3km erz= 368km
 nr= 8 gap=141 rms=0.27
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CSKK	16.0	356	Pg	10:51:02.70	0.22
			Sg	51:04.38	-0.33
PKST	18.7	284	Pg	10:51:03.07	0.11
			Sg	51:05.56	0.00
PKSG	21.1	25	Pg	10:51:03.53	0.14
			Sg	51:05.98	-0.35
PKSM	115.5	166	Pg	10:51:20.22	-0.02
			Sg	51:34.43	-1.90

1798.

2023-12-07 time: 11:29:21.38 UTC ML= 1.2
 lat: 47.647N lon: 16.639E h= 0.0 km
 erh= 3.8km erz= 7.7km
 nr= 9 gap=162 rms=0.81
 Locality: Kópháza
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	7.3	304	Pg	11:29:23.09	0.41
			Sg	29:24.09	0.40
RONA	26.4	283	PgU	11:29:26.29	0.20
			Sg	29:29.53	-0.24
CONA	66.1	298	Sg	11:29:41.61	-0.78
MODS	93.8	31	Sg	11:29:50.76	-0.42
ARSA	95.0	242	Pg	11:29:39.41	1.07
			Sg	29:50.30	-1.28
KOGS	136.5	192	Sn	11:30:01.95	-2.25

1799.

2023-12-07 time: 12:32:01.50 UTC ML= 1.3
 lat: 47.887N lon: 16.063E h= 0.0 km
 erh= 2.3km erz= 3.9km
 nr= 7 gap=129 rms=0.94
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.7	287	Pg	12:32:04.93	0.62
			Sg	32:07.10	0.60
RONA	27.2	140	Pg	12:32:06.94	0.58
			Sg	32:10.49	0.34
ARSA	81.6	210	Sg	12:32:25.89	-1.55
KRUC	132.9	11	Pn	12:32:24.93	-0.18
			Sn	32:40.83	-2.69

1800.

2023-12-07 time: 18:16:47.82 UTC ML= 2.1
 lat: 45.685N lon: 21.851E h= 10.0 km
 erh= 3.6km erz= 3.4km
 nr= 11 gap=125 rms=0.65
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.8	248	Pg	18:16:51.85	0.07
			Sg	16:54.52	-0.35
SURR	22.6	70	PgD	18:16:52.47	0.23
			Sg	16:55.47	-0.22
TIM	49.4	277	Pg	18:16:57.18	0.35
BANR	65.2	239	Pg	18:16:58.59	-1.02
			Sg	17:09.53	0.73
GZR	79.2	114	Pg	18:17:02.58	0.50
			Sg	17:12.19	-1.01
DRGR	139.8	28	Pn	18:17:11.83	0.82
			Sn	17:27.56	-1.54

1801.

2023-12-07 time: 18:51:09.65 UTC ML= 1.6
 lat: 45.692N lon: 21.862E h= 5.6 km
 erh= 3.8km erz= 3.8km
 nr= 8 gap=142 rms=0.51
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.9	246	Pg	18:51:13.13	-0.39
			Sg	51:15.99	-0.54
SURR	21.5	71	Pg	18:51:13.83	0.21
			Sg	51:17.07	0.35
BANR	66.4	239	Pg	18:51:22.36	0.81
			Sg	51:30.77	-0.06
GZR	78.7	115	Sg	18:51:33.86	-0.88
DRGR	138.6	28	Sn	18:51:51.56	-0.11

1802.

2023-12-07 time: 18:54:19.49 UTC ML= 0.8
 lat: 45.756N lon: 21.813E h= 0.1 km
 erh= 2.7km erz= 143km
 nr= 5 gap=219 rms=0.12
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.8	225	Pg	18:54:23.40	0.02
			Sg	54:26.22	-0.19
SURR	24.3	91	Pg	18:54:23.91	0.08
			Sg	54:27.03	-0.18
BANR	67.2	232	Sg	18:54:41.00	0.14

1803.

2023-12-07 time: 20:40:13.71 UTC ML= 0.6
 lat: 45.757N lon: 21.788E h= 10.0 km
 erh= 4.5km erz= 3.5km
 nr= 5 gap=220 rms=0.52
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.5	221	Pg	20:40:18.35	0.56
			Sg	40:21.05	0.08
SURR	26.2	91	Pg	20:40:18.82	0.11
			Sg	40:21.55	-1.07
BANR	65.8	231	Sg	20:40:34.32	-0.54

1804.

2023-12-08 time: 7:27:59.59 UTC ML= 0.9
 lat: 47.282N lon: 18.344E h= 0.0 km
 erh= 1.6km erz= 482km
 nr= 8 gap=153 rms=0.34
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.1	325	Pg	7:28:01.78	0.21
			Sg	28:02.56	-0.55
PKSG	12.7	16	Pg	7:28:02.09	0.22
			Sg	28:03.16	-0.48
PKST	23.6	264	Pg	7:28:04.06	0.25
			Sg	28:07.04	-0.06
MORH	120.7	169	Sg	7:28:37.21	-0.74
PKSM	121.1	169	Sg	7:28:38.29	0.21

Földrengés paraméterek

Hypocenter Parameters

1805.

2023-12-08 time: 8:33:26.29 UTC ML= 0.9
 lat: 47.280N lon: 18.340E h= 0.0 km
 erh= 0.8km erz= 235km
 nr= 8 gap=152 rms=0.17
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.0	327	Pg	8:33:28.30	0.05
			Sg	33:29.54	-0.24
PKSG	13.0	17	Pg	8:33:28.57	-0.04
			Sg	33:30.31	-0.10
PKST	23.2	264	Pg	8:33:30.66	0.22
			Sg	33:33.63	-0.04
MORH	120.6	169	Sg	8:34:04.19	-0.44
PKSM	121.0	169	Sg	8:34:04.96	0.20

1806.

2023-12-08 time: 9:06:12.00 UTC ML= 1.2
 lat: 47.319N lon: 18.444E h= 0.0 km
 erh= 1.5km erz= 499km
 nr= 9 gap=114 rms=0.37
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.0	334	Pg	9:06:13.74	0.13
			Sg	06:14.13	-0.74
CSKK	14.7	289	Pg	9:06:15.17	0.55
			Sg	06:16.33	-0.34
PKST	31.7	258	Pg	9:06:17.87	0.21
			Sg	06:21.50	-0.57
MORH	123.6	173	Sg	9:06:51.14	-0.14
PKSM	124.0	173	Sg	9:06:51.37	-0.05
PSZ	127.8	59	Sg	9:06:52.53	-0.09

1807.

2023-12-08 time: 9:11:12.21 UTC ML= 1.9
 lat: 48.699N lon: 18.632E h= 0.0 km
 erh= 4.9km erz= 3.9km
 nr= 11 gap=166 rms=1.01
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
JAVC	72.8	284	Pg	9:11:25.62	0.40
			Sg	11:35.01	-0.35
PENC	112.0	154	Sg	9:11:47.07	-0.72
			Pg	9:11:35.95	0.94
PSZ	127.7	133	Sg	11:51.68	-1.12
			Pn	9:11:37.13	-0.04
MORC	143.7	327	Sg	11:55.75	-0.88
			Sn	9:11:56.38	-0.85
PKSG	146.4	187	Sn	9:11:57.55	-0.71
CSKK	151.1	191	Sn	9:11:57.55	-0.71
PKST	166.2	196	Pn	9:11:42.68	2.72
			Sn	12:00.37	-1.24

1808.

2023-12-08 time: 9:22:05.37 UTC ML= 1.7
 lat: 48.559N lon: 20.763E h= 0.0 km
 erh= 2.7km erz= 5.7km
 nr= 11 gap=119 rms=0.74
 Locality: Komjáti
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	45.8	130	Pg	9:22:13.94	0.39
			Sg	22:21.04	1.11
PSZ	96.1	222	Pg	9:22:22.12	-0.41

			Sg	22:35.55	-0.36
NIE	101.1	341	Pg	9:22:24.28	0.85
STHS	101.7	20	Pg	9:22:24.13	0.60
			Sg	22:36.63	-1.06
KOLS	118.6	69	Pg	9:22:26.52	-0.03
			Sg	22:41.73	-1.35
TRPA	140.0	110	Pn	9:22:29.61	-0.25
			Sn	22:45.90	-3.07

1809.

2023-12-08 time: 9:57:23.07 UTC ML= 1.9
 lat: 48.109N lon: 21.393E h= 0.0 km
 erh= 2.9km erz= 3.8km
 nr= 11 gap=171 rms=0.99
 Locality: Tokaj
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	23.7	331	Pg	9:57:26.98	-0.33
			Sg	57:29.49	-1.13
TRPA	85.4	88	Pg	9:57:38.18	-0.14
			Sg	57:50.22	0.01
KOLS	112.4	35	Pg	9:57:43.43	0.29
			Sg	57:57.58	-1.22
PSZ	113.8	259	Pg	9:57:43.57	0.18
			Sg	57:57.01	-2.23
NIE	165.9	331	Pn	9:57:52.81	2.02
			Sn	58:13.37	0.95
LANS	183.2	309	Sn	9:58:18.19	1.94

1810.

2023-12-08 time: 10:42:18.65 UTC ML= 2.1
 lat: 48.801N lon: 21.637E h= 0.0 km
 erh= 1.7km erz= 2.5km
 nr= 17 gap= 69 rms=0.67
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	48.9	73	Pg	10:42:27.33	-0.06
			Sg	42:34.12	-0.08
ABAH	63.4	208	Sg	10:42:38.75	-0.05
			Pg	10:42:33.80	1.89
STHS	74.2	337	Pg	42:42.45	0.20
			Sg	10:42:35.51	0.44
KECS	91.9	247	Pg	42:46.63	-1.25
			Sg	10:42:35.96	-0.56
TRPA	100.1	138	Pg	42:50.78	0.32
			Sg	10:42:39.36	-0.47
NIE	118.6	305	Pg	42:55.42	-0.93
			Sg	10:42:40.60	0.36
KWP	120.9	40	Pg	42:56.50	-0.57
			Sg	10:42:46.77	0.85
PSZ	162.2	233	Pn	43:07.15	-0.03
			Sn	10:43:07.15	-0.31
LANS	163.5	284	Sn	10:43:16.27	-0.72
OJC	206.4	320	Sn		

1811.

2023-12-08 time: 17:33:25.84 UTC ML= 2.1
 lat: 45.974N lon: 17.181E h= 10.0 km
 erh= 2.9km erz= 2.3km
 nr= 35 gap= 83 rms=1.14
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	63.4	330	Pg	17:33:38.53	1.24
			Sg	33:48.36	2.13
KOVH	72.3	80	Pg	17:33:38.80	-0.07
			Sg	33:49.50	0.47
PKSV	83.6	97	Pg	17:33:40.69	-0.19
			Sg	33:52.10	-0.51

Hypocenter Parameters

KOGS	89.1	306	Pg	17:33:41.92	0.08
			Sg	33:53.43	-0.89
PTJ	95.2	265	Pg	17:33:42.92	-0.01
			Sg	33:53.78	-2.48
RCF6	102.4	293	Sg	17:33:56.93	-1.62
PKS9	108.6	51	Pn	17:33:44.95	-0.19
			Sn	33:58.00	-2.19
PKSM	116.0	77	Pn	17:33:44.62	-1.44
			Sn	34:00.49	-1.34
MORH	116.3	77	Pn	17:33:44.76	-1.34
			Sn	34:00.62	-1.28
TIH	116.5	28	Pn	17:33:45.52	-0.61
PKB4	124.2	62	Pn	17:33:46.70	-0.38
			Sn	34:02.71	-0.93
CRES	134.8	263	Pn	17:33:49.78	1.38
			Sn	34:04.18	-1.82
MPLH	135.7	12	Pn	17:33:47.94	-0.58
BLY	136.2	180	Pn	17:33:50.60	2.02
			Sn	34:07.30	0.99
PKB5	138.3	60	Pn	17:33:49.36	0.52
			Sn	34:07.68	0.91
GROS	140.4	293	Pn	17:33:49.12	0.02
			Sn	34:06.36	-0.88
PKB1	153.2	54	Pn	17:33:51.39	0.69
PKST	157.1	25	Pn	17:33:51.72	0.54
EGYH	160.8	4	Sn	17:34:14.79	3.02
PKB3	163.3	72	Sn	17:34:14.74	2.42
PERS	175.2	295	Sn	17:34:17.86	2.89
PKSG	182.8	30	Pn	17:33:54.33	-0.05

1812.

2023-12-09 time: 0:51:03.94 UTC ML= 1.0
 lat: 45.634N lon: 21.871E h= 1.0 km
 erh= 6.0km erz=81.5km
 nr= 7 gap=188 rms=0.60
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.9	265	Pg	0:51:07.63	0.13
			Sg	51:10.11	-0.17
SURR	23.9	56	Pg	0:51:07.87	-0.33
			Sg	51:10.99	-0.53
TIM	51.9	283	Pg	0:51:14.45	1.24
			Sg	51:19.96	-0.48
BANR	63.9	244	Sg	0:51:23.80	-0.45

1813.

2023-12-09 time: 5:48:02.69 UTC ML= 0.5
 lat: 45.635N lon: 21.877E h= 0.4 km
 erh= 2.3km erz= 160km
 nr= 5 gap=153 rms=0.22
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	20.4	264	Pg	5:48:06.32	-0.02
			Sg	48:09.08	-0.10
SURR	23.4	56	Pg	5:48:07.16	0.29
			Sg	48:09.70	-0.42
GZR	75.3	111	Sg	5:48:26.55	-0.07

1814.

2023-12-09 time: 11:25:40.19 UTC ML= 1.5
 lat: 48.600N lon: 20.815E h= 0.0 km
 erh= 1.5km erz= 513km
 nr= 9 gap= 93 rms=0.39
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.6	242	Pg	11:25:45.45	0.33

Földrengés paraméterek

			Sg	25:48.85	-0.11
ABAH	46.2	137	Pg	11:25:48.69	0.25
			Sg	25:53.63	-1.24
NIE	98.1	338	Sg	11:26:11.47	0.08
PSZ	102.1	222	Pg	11:25:58.80	0.38
			Sg	26:12.39	-0.25
KOLS	113.4	71	Sg	11:26:15.98	-0.26
LANS	116.2	302	Pg	11:26:00.47	-0.47

1815.

2023-12-09 time: 12:31:41.12 UTC ML= 1.7
 lat: 45.725N lon: 21.846E h= 10.0 km
 erh= 5.0km erz= 4.5km
 nr= 8 gap=119 rms=0.65
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.6	236	Pg	12:31:45.34	-0.03
			Sg	31:48.22	-0.46
SURR	21.9	82	Pg	12:31:45.88	0.45
			Sg	31:48.69	-0.10
TIM	48.7	271	Sg	12:31:56.08	-0.83
BANR	67.3	235	Pg	12:31:54.21	0.94
GZR	81.5	117	Sg	12:32:05.84	-1.39
DRGR	136.0	29	Sn	12:32:21.40	-0.15

1816.

2023-12-09 time: 13:16:19.57 UTC ML= 1.7
 lat: 45.583N lon: 17.729E h= 0.0 km
 erh= 4.6km erz= 443km
 nr= 10 gap=337 rms=0.37
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	53.1	50	Pg	13:16:28.93	-0.11
			Sg	16:36.76	0.33
KOVH	63.2	27	Pg	13:16:31.42	0.57
			Sg	16:40.24	0.59
PKSM	99.5	45	Pg	13:16:37.27	-0.07
			Sg	16:51.48	0.27
MORH	100.0	45	Pg	13:16:37.09	-0.34
			Sg	16:51.01	-0.34
PKB4	122.1	34	Pg	13:16:41.21	-0.16
			Sg	16:57.64	-0.73

1817.

2023-12-10 time: 1:13:26.79 UTC ML= 1.6
 lat: 45.703N lon: 21.677E h= 10.0 km
 erh= 8.9km erz= 4.6km
 nr= 6 gap=211 rms=0.32
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	10.7	206	Pg	1:13:29.68	0.28
			Sg	13:31.24	-0.20
SURR	35.3	81	Pg	1:13:33.59	0.25
			Sg	13:37.64	-0.81
BANR	55.3	230	Pg	1:13:36.86	0.03
			Sg	13:44.28	-0.37

1818.

2023-12-11 time: 8:37:25.18 UTC ML= 1.7
 lat: 46.035N lon: 22.781E h= 0.0 km
 erh= 2.8km erz= 867km
 nr= 9 gap=154 rms=0.65
 Locality: Romania
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
DEV	19.3	151	Pg	8:37:28.48	-0.14
			Sg	37:30.99	-0.32
SURR	59.7	239	Sg	8:37:43.81	-0.36
GZR	71.3	180	Pg	8:37:38.34	0.43
			Sg	37:47.01	-0.82
DRGR	84.3	356	Pg	8:37:40.76	0.52
			Sg	37:50.85	-1.14
BZS	101.7	243	Pg	8:37:44.28	0.93
			Sg	37:56.63	-0.89

1819.

2023-12-11 time: 9:44:50.62 UTC ML= 1.8
 lat: 47.040N lon: 18.934E h= 12.1 km
 erh= 1.5km erz= 1.3km
 nr= 27 gap= 91 rms=0.70
 Locality: Rácalmás
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS7	17.3	87	PgD	9:44:54.62	0.23
			Sg	44:57.36	0.03
PKB1	30.4	201	PgD	9:44:56.81	0.35
			Sg	45:01.08	0.06
PKB5	51.7	197	Pg	9:45:00.43	0.32
			Sg	45:07.21	-0.29
PKSG	56.8	314	Pg	9:45:01.40	0.41
			Sg	45:08.69	-0.38
CSKK	62.4	305	Sg	9:45:10.88	0.06
PKB4	65.5	203	Pg	9:45:02.69	0.18
			Sg	45:11.25	-0.53
PKS9	70.9	225	PgD	9:45:03.91	0.44
PKST	72.4	290	Sg	9:45:13.22	-0.74
PKSN	72.8	103	Sg	9:45:12.10	-1.98
PENC	87.5	17	Pg	9:45:06.05	-0.34
			Sg	45:17.46	-1.23
MORH	94.3	194	P*	9:45:07.11	-0.46
			S*	45:19.08	-1.71
PKSM	94.7	194	P*	9:45:07.07	-0.58
			S*	45:19.22	-1.71
MPLH	106.8	278	Sn	9:45:24.00	-0.10
PSZ	121.6	37	Pn	9:45:11.86	0.59
			Sn	45:26.94	-0.43
KOVH	123.6	211	Pn	9:45:12.64	1.12
			Sn	45:28.04	0.22
PKSV	138.3	202	Pn	9:45:14.94	1.59
			Sn	45:32.03	0.95

1820.

2023-12-11 time: 10:47:18.56 UTC ML= 1.3
 lat: 47.095N lon: 17.987E h= 0.0 km
 erh= 2.1km erz= 878km
 nr= 16 gap= 87 rms=0.76
 Locality: Litér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.6	11	Pg	10:47:21.30	-0.57
			Sg	47:23.79	-0.66
TIH	22.9	198	Sg	10:47:26.28	0.46
MPLH	35.0	284	Pg	10:47:25.40	0.60
			Sg	47:29.05	-0.63
CSKK	36.3	35	Pg	10:47:25.66	0.63
			Sg	47:29.54	-0.54
PKSG	44.9	43	Pg	10:47:27.17	0.59
			Sg	47:32.47	-0.37
PKB1	70.4	119	Pg	10:47:33.05	1.93
MORH	109.9	153	Pg	10:47:38.05	-0.14
			Sg	47:52.44	-1.06
PKSM	110.2	153	Pg	10:47:38.13	-0.11
			Sg	47:52.15	-1.44
KOVH	112.3	176	Pg	10:47:38.86	0.26

Sg 47:53.03 -1.21

1821.

2023-12-11 time: 10:59:59.97 UTC ML= 2.0
 lat: 48.085N lon: 16.959E h= 0.0 km
 erh= 2.8km erz= 4.0km
 nr= 12 gap=103 rms=1.12
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.3	41	Pg	11:00:03.85	0.97
			Sg	00:05.49	0.34
MODS	39.8	36	Pg	11:00:07.75	0.66
			Sg	00:12.12	-0.51
RONA	65.5	229	Pg	11:00:12.86	1.18
			Sg	00:20.57	-0.24
CONA	83.8	258	Sg	11:00:25.96	-0.63
JAVC	100.9	31	Pg	11:00:18.34	0.36
KRUC	116.3	339	Pg	11:00:20.53	-0.21
			Sg	00:34.60	-2.34
PKSG	132.2	126	Sn	11:00:38.43	-3.39
VRAC	138.7	349	Sn	11:00:40.72	-2.55

1822.

2023-12-11 time: 11:04:55.50 UTC ML= 1.1
 lat: 47.563N lon: 18.481E h= 0.0 km
 erh= 1.8km erz= 3.3km
 nr= 14 gap= 92 rms=0.83
 Locality: Tatabánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	20.2	200	Pg	11:04:59.75	0.64
			Sg	05:02.09	0.16
CSKK	27.8	217	Pg	11:05:01.16	0.70
			Sg	05:04.20	-0.13
SRO	30.5	336	Sg	11:05:05.69	0.49
BUD	41.8	102	Sg	11:05:08.89	0.11
PKST	47.8	225	Pg	11:05:04.67	0.64
			Sg	05:10.37	-0.31
PENC	65.2	67	Sg	11:05:16.61	0.39
MPLH	83.5	238	Sg	11:05:21.30	-0.73
PSZ	113.1	70	Sg	11:05:30.82	-0.63
MODS	127.3	315	Sg	11:05:33.63	-2.33
MORH	150.3	175	Sn	11:05:39.56	-1.81
PKSM	150.7	175	Sn	11:05:39.56	-1.91

1823.

2023-12-11 time: 12:57:09.26 UTC ML= 1.6
 lat: 48.378N lon: 19.887E h= 0.0 km
 erh= 4.9km erz= ***km
 nr= 6 gap=196 rms=0.66
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	45.8	75	Pg	12:57:18.48	1.03
			Sg	57:23.69	-0.14
PSZ	51.1	179	Pg	12:57:18.48	0.09
			Sg	57:24.65	-0.86
ABAH	100.7	95	Sg	12:57:40.23	-1.04
NIE	119.9	15	Pg	12:57:30.58	-0.10

Hypocenter Parameters

Földrengés paraméterek

1824.

2023-12-11 time: 15:50:29.39 UTC ML= 1.9
 lat: 48.561N lon: 17.576E h= 0.0 km
 erh= 2.5km erz= 3.2km
 nr= 15 gap=209 rms=0.60
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	12.1	244	Pg	15:50:32.63			1.09
			Sg		50:33.67		0.45
MODS	30.3	227	Pg	15:50:34.76			-0.04
			Sg		50:38.55		-0.48
JAVC	33.9	12	Pg	15:50:35.69			0.25
			Sg		50:39.34		-0.82
ZST	53.6	221	Pg	15:50:38.68			-0.28
			Sg		50:45.78		-0.64
KRUC	103.1	303	Pg	15:50:48.13			0.34
			Sg		51:02.17		0.02
VRAC	110.0	319	Pg	15:50:49.31			0.29
			Sg		51:03.09		-1.25
RONA	135.1	225	Pn	15:50:53.59			0.33
			Sn		51:09.40		-2.48
CONA	145.5	241	Sn	15:51:13.10			-1.09

1825.

2023-12-11 time: 18:02:27.92 UTC ML= 1.8
 lat: 48.452N lon: 17.436E h= 7.2 km
 erh= 2.6km erz= 1.2km
 nr= 8 gap=226 rms=0.28
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SMOL	6.9	355	Pg	18:02:29.79			0.09
			Sg		02:30.84		-0.26
MODS	14.6	233	Pg	18:02:31.25			0.42
			Sg		02:33.03		-0.07
ZST	37.7	221	Pg	18:02:34.95			0.18
			Sg		02:39.57		-0.55
KRUC	102.3	312	Pg	18:02:45.87			-0.35
RONA	119.2	225	Pn	18:02:48.97			0.08

1826.

2023-12-12 time: 3:32:02.57 UTC ML= 2.0
 lat: 46.730N lon: 16.793E h= 18.1 km
 erh= 1.3km erz= 1.0km
 nr= 12 gap= 90 rms=0.28
 Locality: Lickóvadamos
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	52.1	233	Pg	3:32:12.52			0.10
			Sg		32:19.72		-0.37
MPLH	75.0	49	P*	3:32:16.13			0.09
			S*		32:25.33		-1.21
EGYH	86.7	28	P*	3:32:17.53			-0.28
			S*		32:30.27		0.57
GROS	103.4	253	Pn	3:32:20.19			0.00
			Sn		32:33.64		-0.29
PTJ	112.5	215	Sn	3:32:35.86			-0.08
ARSA	112.6	301	Pn	3:32:21.67			0.33
			Sn		32:35.80		-0.18
KOVH	123.2	125	Sn	3:32:38.52			0.19

1827.

2023-12-12 time: 3:39:20.69 UTC ML= 2.0
 lat: 46.790N lon: 16.768E h= 13.4 km
 erh= 3.0km erz= 2.2km
 nr= 14 gap=125 rms=0.57
 Locality: Nagylengyel
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	35.5	179	Sg	3:39:32.15			-0.60
			Pg		3:39:30.95		0.17
KOGS	54.9	226	Pg	3:39:30.95			0.17
			Sg		39:38.56		-0.09
MPLH	72.4	54	Pg	3:39:33.87			0.04
RCF6	80.1	231	Sg	3:39:45.99			-0.51
GROS	103.6	249	Pn	3:39:38.73			-0.21
			Sn		39:52.34		-0.83
RONA	107.3	341	Sn	3:39:53.16			-0.83
ARSA	107.6	298	Pn	3:39:39.88			0.44
			Sn		39:53.45		-0.61
PTJ	116.9	212	Sn	3:39:55.95			-0.17
PERS	127.4	262	Pn	3:39:43.38			1.47
			Sn		39:59.05		0.59
SOKA	133.2	265	Sn	3:40:00.31			0.57

1828.

2023-12-12 time: 3:54:14.14 UTC ML= 0.3
 lat: 45.723N lon: 21.816E h= 6.1 km
 erh= 3.3km erz= 3.0km
 nr= 6 gap=151 rms=0.22
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	19.6	233	Pg	3:54:17.85			0.06
			Sg		54:20.43		-0.22
SURR	24.2	82	Pg	3:54:18.90			0.30
			Sg		54:21.68		-0.40
TIM	46.4	272	Sg	3:54:29.02			0.02
DRGR	137.3	30	Sn	3:54:55.61			-0.16

1829.

2023-12-12 time: 3:57:50.13 UTC ML= 0.6
 lat: 45.669N lon: 21.855E h= 10.0 km
 erh= 4.5km erz= 1.9km
 nr= 5 gap=187 rms=0.32
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	19.5	253	Pg	3:57:54.19			0.15
			Sg		57:56.54		-0.55
SURR	23.0	66	Pg	3:57:54.90			0.29
			Sg		57:58.18		0.07
DRGR	141.2	28	Sn	3:58:31.24			-0.48

1830.

2023-12-12 time: 6:38:58.91 UTC ML= 1.1
 lat: 45.629N lon: 21.881E h= 14.0 km
 erh= 6.1km erz= 2.7km
 nr= 6 gap=212 rms=0.32
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	20.7	266	Pg	6:39:03.33			-0.04
			Sg		39:06.42		-0.43
SURR	23.5	54	Pg	6:39:04.19			0.39
			Sg		39:07.16		-0.45
TIM	52.8	283	Sg	6:39:16.58			0.30
DRGR	144.2	26	Sn	6:39:40.08			-0.17

Földrengés paraméterek

Hypocenter Parameters

1831.

2023-12-12 time: 8:39:16.24 UTC ML= 1.5
 lat: 47.344N lon: 18.476E h= 0.0 km
 erh= 1.9km erz= 641km
 nr= 10 gap=115 rms=0.50
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.4	309	Pg	8:39:18.00			0.27
			Sg	39:18.39			-0.50
CSKK	16.4	277	PgU	8:39:19.52			0.35
			Sg	39:20.96			-0.50
PKST	34.8	254	Pg	8:39:22.80			0.36
			Sg	39:26.46			-0.82
PSZ	124.2	59	Sg	8:39:55.11			-0.61
MORH	126.1	174	Sg	8:39:55.97			-0.35
PKSM	126.5	174	Pg	8:39:39.50			0.67
			Sg	39:55.85			-0.60

1832.

2023-12-12 time: 9:15:45.60 UTC ML= 1.5
 lat: 45.666N lon: 17.341E h= 0.0 km
 erh= 9.1km erz=10.0km
 nr= 11 gap=206 rms=1.17
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	75.1	71	Pg	9:15:59.68			0.67
			Sg	16:09.27			-0.19
KOVH	75.3	51	Pg	9:16:00.40			1.34
			Sg	16:11.04			1.49
PKSM	117.7	59	Pg	9:16:06.17			-0.45
			Sg	16:20.90			-2.11
MORH	118.1	59	Pg	9:16:06.20			-0.49
			Sg	16:21.10			-2.05
KOGS	121.2	316	Pg	9:16:08.38			1.14
			Sg	16:23.26			-0.86
CRES	147.7	277	Sn	9:16:28.93			-1.97

1833.

2023-12-12 time: 9:23:46.28 UTC ML= 1.6
 lat: 47.819N lon: 19.836E h= 0.0 km
 erh= 8.2km erz= 6.6km
 nr= 11 gap=144 rms=1.72
 Locality: Gyöngyöstarján
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	11.9	22	Pg	9:23:48.91			0.50
			Sg	23:50.24			0.17
PENC	41.6	266	Pg	9:23:54.40			0.69
			Sg	23:58.77			-0.74
KECS	88.3	33	Sg	9:24:13.13			-1.22
ABAH	117.3	63	Sg	9:24:20.83			-2.74
PKSG	118.6	246	Sg	9:24:21.46			-2.51
PKST	149.2	245	Sn	9:24:29.68			-2.24
NIE	181.4	11	Sn	9:24:40.18			1.12
MORH	199.9	207	Sn	9:24:46.23			3.07
PKSM	200.4	207	Sn	9:24:45.99			2.72

1834.

2023-12-12 time: 9:30:49.51 UTC ML= 1.5
 lat: 48.664N lon: 20.806E h= 0.0 km
 erh= 3.8km erz= 427km
 nr= 5 gap=272 rms=0.19
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	31.1	230	Pg	9:30:55.17			0.12
			Sg	30:59.54			0.16
ABAH	52.0	142	Pg	9:30:58.68			-0.11
			Sg	31:06.17			0.15
PSZ	107.0	219	Sg	9:31:23.04			-0.49

1835.

2023-12-12 time: 10:07:22.94 UTC ML= 1.1
 lat: 48.558N lon: 20.801E h= 0.0 km
 erh= 3.1km erz= 667km
 nr= 6 gap=188 rms=0.39
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.8	250	Pg	10:07:27.61			0.24
			Sg	07:30.89			0.08
ABAH	43.6	132	Pg	10:07:31.20			0.46
			Sg	07:36.04			-0.77
PSZ	98.0	223	Sg	10:07:53.76			-0.33
LANS	117.9	304	Pg	10:07:43.73			-0.28

1836.

2023-12-12 time: 10:19:24.95 UTC ML= 2.2
 lat: 45.618N lon: 17.305E h= 0.0 km
 erh= 2.1km erz= 2.5km
 nr= 25 gap=118 rms=0.89
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	79.6	68	Pg	10:19:40.07			0.90
			Sg	19:50.31			0.05
KOVH	80.9	50	Pg	10:19:39.65			0.25
			Sg	19:50.75			0.08
BLY	97.1	186	Pg	10:19:43.19			0.90
			Sg	19:54.49			-1.32
BEHE	103.2	337	Pg	10:19:45.04			1.66
			Sg	19:58.26			0.51
PTJ	109.4	287	Pg	10:19:44.01			-0.47
			Sg	19:57.93			-1.78
PKSM	122.9	58	Pg	10:19:46.38			-0.52
			Sg	20:02.47			-1.55
KOGS	123.2	318	Pg	10:19:47.47			0.52
			Sg	20:02.78			-1.32
MORH	123.3	57	Pg	10:19:46.49			-0.49
			Sg	20:02.75			-1.40
RCF6	131.1	307	Pn	10:19:48.56			0.23
			Sn	20:05.01			-1.55
PKB4	140.1	46	Pn	10:19:50.05			0.59
			Sn	20:07.57			-1.00
CRES	145.7	279	Pn	10:19:50.44			0.29
			Sn	20:08.34			-1.47
PKB5	155.0	46	Sn	10:20:12.44			0.56
GROS	168.1	304	Pn	10:19:53.88			0.94
			Sn	20:14.67			-0.11

1837.

2023-12-12 time: 11:04:24.67 UTC ML= 1.8
 lat: 48.442N lon: 19.147E h= 0.0 km
 erh= 2.3km erz= 3.3km
 nr= 18 gap= 84 rms=0.91
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	73.1	172	Sg	11:04:47.67			-0.23
PSZ	80.5	136	Pg	11:04:39.95			0.91
			Sg	04:50.21			-0.04
LANS	82.3	17	Pg	11:04:40.39			1.03

Hypocenter Parameters

Station	Dist	Azm	Phase	hr	mn	sec	res
SRO	93.4	222	Sg	11:04:53.37		-1.00	
KECS	99.1	87	Pg	11:04:42.26		-0.11	
JAVC	118.3	293	Sg	04:55.07		-1.10	
			Pg	11:04:46.35		0.57	
			Sg	05:00.24		-2.02	
PKSG	129.7	206	Pg	11:04:48.20		0.37	
			Sg	05:04.10		-1.79	
CSKK	137.0	209	Pn	11:04:49.13		0.35	
			Sn	05:07.19		-0.40	
NIE	138.3	38	Pn	11:04:48.97		0.03	
MODS	138.6	267	Pn	11:04:50.36		1.38	
			Sn	05:06.49		-1.46	
PKST	155.6	212	Sn	11:05:11.51		-0.22	

1838.

2023-12-12 time: 12:47:40.82 UTC ML= 2.2
 lat: 48.443N lon: 17.230E h= 0.0 km
 erh= 4.0km erz= 4.3km
 nr= 38 gap= 79 rms=2.21
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.5	155	PgU	12:47:41.87		-0.46	
			Sg	47:42.69		-0.82	
SMOL	16.7	62	PgU	12:47:43.41		-0.39	
			Sg	47:45.58		-0.54	
ZST	29.0	199	Pg	12:47:46.06		0.06	
			Sg	47:49.04		-1.00	
JAVC	56.6	35	Pg	12:47:51.23		0.31	
			Sg	47:57.44		-1.36	
KRUC	92.2	318	Pg	12:47:57.00		-0.29	
			Sg	48:07.88		-2.26	
SOP	98.2	211	Pg	12:47:58.88		0.53	
			Sg	48:09.72		-2.30	
VRAC	107.0	334	Pg	12:47:59.42		-0.50	
			Sg	48:12.57		-2.25	
RONA	108.0	220	Pg	12:47:59.75		-0.36	
			Sg	48:12.66		-2.50	
EGYH	114.3	176	Pg	12:48:00.58		-0.65	
			Sg	48:14.24		-2.91	
CONA	116.7	241	Pg	12:48:01.20		-0.46	
			Sg	48:15.43		-2.49	
CSKK	142.7	147	Sn	12:48:22.28		-2.72	
MPLH	143.4	171	Sn	12:48:22.43		-2.74	
PKST	144.7	155	Pn	12:48:05.26		-0.64	
			Sn	48:22.90		-2.57	
PKSG	145.6	143	Pn	12:48:05.33		-0.67	
			Sn	48:24.41		-1.24	
MORC	150.1	9	Pn	12:48:06.12		-0.45	
			Sn	48:24.99		-1.67	
LANS	182.3	64	Sn	12:48:32.31		-1.49	
ARSA	184.1	224	Pn	12:48:12.37		1.56	
			Sn	48:32.89		-1.31	
KRLC	184.5	350	Pn	12:48:13.14		2.28	
			Sn	48:35.97		1.69	
NIE	250.7	64	Pn	12:48:24.31		5.20	
RCF6	253.4	202	Pn	12:48:25.33		5.88	
			Sn	48:56.34		6.76	
GROS	256.0	211	Pn	12:48:24.92		5.15	
			Sn	48:56.24		6.08	

1839.

2023-12-12 time: 23:05:36.46 UTC ML= 0.4
 lat: 45.659N lon: 21.865E h= 10.0 km
 erh= 5.7km erz= 2.2km
 nr= 5 gap=194 rms=0.31
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	19.9	256	Pg	23:05:40.60		0.16	

Földrengés paraméterek

Station	Dist	Azm	Phase	hr	mn	sec	res
SURR	22.9	62	Pg	23:05:41.15		0.23	
			Sg	05:44.55		0.15	
DRGR	141.9	27	Sn	23:06:17.70		-0.50	

1840.

2023-12-13 time: 1:12:18.34 UTC ML= 0.4
 lat: 45.627N lon: 21.863E h= 12.1 km
 erh= 1.5km erz= 0.5km
 nr= 5 gap=211 rms=0.04
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	19.3	267	Pg	1:12:22.37		-0.02	
			Sg	12:25.57		0.01	
SURR	24.8	55	Pg	1:12:23.31		0.05	
			Sg	12:27.04		-0.06	
DRGR	145.1	27	Sn	1:13:00.30		-0.01	

1841.

2023-12-13 time: 9:05:21.82 UTC ML= 2.1
 lat: 45.662N lon: 18.236E h= 6.8 km
 erh= 3.6km erz= 2.9km
 nr= 21 gap=192 rms=0.69
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	25.2	3	Pg	9:05:26.52		0.05	
			Sg	05:30.03		-0.07	
KOVH	48.5	347	Pg	9:05:30.19		-0.38	
			Sg	05:36.49		-0.90	
PKSM	68.7	27	Pg	9:05:34.07		-0.08	
			Sg	05:43.39		-0.37	
MORH	69.2	27	Pg	9:05:34.13		-0.10	
			Sg	05:43.58		-0.34	
PKB4	97.0	17	Pg	9:05:39.69		0.51	
			Sg	05:51.89		-0.83	
PKS9	102.8	2	Pg	9:05:40.53		0.31	
PKB5	110.6	20	Pg	9:05:42.07		0.46	
BLY	130.9	219	Pn	9:05:43.73		-0.58	
			Sn	06:00.25		-1.61	
PKB1	131.9	19	Pn	9:05:44.92		0.49	
TIH	140.1	349	Sn	9:06:02.31		-1.58	
BEHE	144.3	308	Pn	9:05:46.93		0.95	
KOGS	176.7	300	Pn	9:05:50.16		0.13	
			Sn	06:14.17		2.14	
PKST	178.1	355	Sn	9:06:15.07		2.73	
CRES	217.0	275	Pn	9:05:57.96		2.91	

1842.

2023-12-13 time: 9:45:07.15 UTC ML= 1.8
 lat: 46.867N lon: 17.353E h= 0.0 km
 erh= 3.4km erz= 881km
 nr= 12 gap=236 rms=0.74
 Locality: Lesenceistvárd
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	36.5	23	Pg	9:45:13.85		0.18	
			Sg	45:18.07		-0.69	
TIH	41.3	85	Sg	9:45:21.43		1.15	
PKST	67.6	50	Pg	9:45:19.75		0.52	
			Sg	45:28.82		0.17	
PKS9	77.3	114	Sg	9:45:31.99		0.26	
CSKK	88.2	51	Sg	9:45:34.81		-0.38	
PKSG	98.0	53	Sg	9:45:37.86		-0.43	
KOVH	103.9	146	Pg	9:45:26.20		0.50	
			Sg	45:39.97		-0.19	
MORH	122.7	126	Sg	9:45:44.19		-1.96	
PKSM	122.8	126	Sg	9:45:44.19		-1.99	

Földrengés paraméterek

Hypocenter Parameters

1843.

2023-12-13 time: 10:29:19.85 UTC ML= 1.8
 lat: 48.457N lon: 19.515E h= 0.0 km
 erh= 6.3km erz= 6.6km
 nr= 7 gap=217 rms=1.46
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	66.2	155	Pg	10:29:32.68	1.01
			Sg	29:39.41	-1.47
KECS	71.8	88	Pg	10:29:34.64	1.97
			Sg	29:42.38	-0.30
PENC	76.1	193	Sg	10:29:43.63	-0.41
ABAH	129.0	98	Sg	10:29:58.72	-2.13
STHS	165.6	50	Sn	10:30:07.42	-1.71

1844.

2023-12-13 time: 11:08:22.92 UTC ML= 1.4
 lat: 48.599N lon: 20.817E h= 0.0 km
 erh= 1.9km erz= 691km
 nr= 11 gap=118 rms=0.55
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.6	242	Pg	11:08:28.11	0.25
			Sg	08:31.40	-0.31
ABAH	45.9	137	Pg	11:08:31.32	0.19
			Sg	08:36.95	-0.57
STHS	96.2	19	Pg	11:08:40.55	0.45
			Sg	08:51.73	-1.76
NIE	98.4	338	Sg	11:08:54.54	0.35
PSZ	102.1	222	Pg	11:08:41.48	0.33
			Sg	08:54.70	-0.66
LANS	116.5	302	Pg	11:08:43.99	0.27
			Sg	08:58.61	-1.33

1845.

2023-12-13 time: 11:31:32.58 UTC ML= 1.5
 lat: 48.891N lon: 21.149E h= 0.0 km
 erh= 7.7km erz= 9.7km
 nr= 6 gap=168 rms=1.38
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	58.8	7	Sg	11:31:50.43	-0.84
ABAH	66.6	174	Pg	11:31:45.14	0.67
			Sg	31:52.96	-0.78
KECS	66.7	227	Pg	11:31:46.08	1.59
			Sg	31:53.27	-0.51
PSZ	142.6	221	Sn	11:32:13.61	-3.15

1846.

2023-12-13 time: 14:30:26.63 UTC ML= 1.6
 lat: 48.447N lon: 17.087E h= 0.0 km
 erh= 1.4km erz= 354km
 nr= 8 gap=146 rms=0.25
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	16.3	120	Pg	14:30:29.59	0.05
			Sg	30:31.45	-0.36
SMOL	26.4	74	Pg	14:30:31.72	0.38
			Sg	30:34.92	-0.09
ZST	27.9	178	Pg	14:30:31.56	-0.05
JAVC	62.9	43	Pg	14:30:37.97	0.11

KRUC 85.2 323 Sg 30:45.61 -1.01
 Pg 14:30:41.75 -0.10

1847.

2023-12-13 time: 14:31:12.06 UTC ML= 1.5
 lat: 48.458N lon: 17.090E h= 0.0 km
 erh= 0.9km erz= 181km
 nr= 6 gap=144 rms=0.11
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	16.8	124	PgU	14:31:15.06	0.01
			Sg	31:16.91	-0.47
SMOL	25.8	76	Pg	14:31:16.64	-0.02
ZST	29.2	178	Pg	14:31:17.41	0.14
JAVC	61.8	44	Pg	14:31:23.12	0.04
KRUC	84.3	323	Pg	14:31:27.02	-0.10

1848.

2023-12-13 time: 14:32:20.72 UTC ML= 1.6
 lat: 48.441N lon: 17.078E h= 0.0 km
 erh= 2.6km erz= 607km
 nr= 7 gap=148 rms=0.40
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	16.6	117	PgU	14:32:23.79	0.11
			Sg	32:25.10	-0.89
SMOL	27.2	73	Pg	14:32:25.95	0.37
ZST	27.3	176	Pg	14:32:25.73	0.13
JAVC	63.8	43	Pg	14:32:32.47	0.35
			Sg	32:40.23	-0.78
KRUC	85.4	324	Pg	14:32:35.68	-0.29

1849.

2023-12-13 time: 14:33:06.92 UTC ML= 1.5
 lat: 48.440N lon: 17.064E h= 0.0 km
 erh= 2.3km erz= 676km
 nr= 9 gap=150 rms=0.50
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	17.4	115	Pg	14:33:09.74	-0.29
			Sg	33:11.05	-1.41
ZST	27.3	174	Pg	14:33:12.07	0.27
SMOL	28.1	73	Pg	14:33:12.37	0.42
			Sg	33:15.85	-0.02
JAVC	64.5	44	Pg	14:33:19.00	0.56
			Sg	33:27.01	-0.42
KRUC	84.8	325	Pg	14:33:22.17	0.10
			Sg	33:32.93	-0.96

1850.

2023-12-13 time: 14:33:55.44 UTC ML= 1.6
 lat: 48.452N lon: 17.049E h= 0.0 km
 erh= 2.2km erz= 642km
 nr= 9 gap=153 rms=0.48
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	19.0	117	Pg	14:33:58.48	-0.36
			Sg	34:00.60	-0.89
ZST	28.7	172	Pg	14:34:00.76	0.19
SMOL	28.9	76	Pg	14:34:01.37	0.77
			Sg	34:04.50	-0.13
JAVC	64.4	45	Pg	14:34:07.24	0.30

Hypocenter Parameters

KRUC 83.1 325 Sg 34:15.27 -0.64
 Pg 14:34:10.52 0.24
 Sg 34:21.21 -0.65

1851.

2023-12-14 time: 7:57:49.37 UTC ML= 1.3
 lat: 47.383N lon: 17.578E h= 0.0 km
 erh= 4.6km erz= ***km
 nr= 6 gap=171 rms=0.63
 Locality: Vanyola
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
EGYH	19.0	282	Sg	7:57:55.09	-0.31
MPLH	23.8	187	Pg	7:57:54.19	0.57
			Sg	57:56.46	-0.48
PKST	37.2	112	Pg	7:57:56.60	0.59
			Sg	58:00.71	-0.48
CSKK	51.6	92	Sg	7:58:04.54	-1.24

1852.

2023-12-14 time: 9:45:32.28 UTC ML= 1.6
 lat: 47.102N lon: 18.146E h= 0.0 km
 erh= 1.8km erz= 698km
 nr= 13 gap=109 rms=0.58
 Locality: Berhida
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.4	334	Sg	9:45:37.82	-0.64
TIH	29.5	221	Sg	9:45:41.62	-0.04
CSKK	30.4	17	Sg	9:45:41.31	-0.63
MPLH	46.6	279	Pg	9:45:41.31	0.70
			Sg	45:46.50	-0.60
PKB1	60.6	126	Sg	9:45:51.32	-0.21
PKB4	75.8	153	Sg	9:45:56.63	0.24
MORH	105.6	159	Pg	9:45:51.80	0.66
			Sg	46:05.49	-0.36
PKSM	105.9	159	Pg	9:45:51.80	0.60
			Sg	46:05.10	-0.86
KOVH	112.7	182	Pg	9:45:52.46	0.05
			Sg	46:06.94	-1.16

1853.

2023-12-14 time: 10:12:52.37 UTC ML= 1.9
 lat: 48.234N lon: 21.238E h= 0.0 km
 erh= 2.6km erz= 3.7km
 nr= 13 gap= 98 rms=0.89
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.9	1	Pg	10:12:53.89	0.30
			Sg	12:54.71	0.16
KECS	62.2	296	Pg	10:13:03.92	0.44
			Sg	13:11.46	-0.69
TRPA	97.5	97	Pg	10:13:09.79	0.02
			Sg	13:22.53	-0.81
PSZ	106.1	251	Pg	10:13:12.65	1.34
			Sg	13:24.81	-1.28
LTVH	106.7	152	Sg	10:13:24.65	-1.63
KOLS	109.0	45	Sg	10:13:26.38	-0.63
NIE	148.2	333	Sn	10:13:37.81	0.03
LANS	165.4	308	Sn	10:13:41.05	-0.55
DRGR	195.0	145	Sn	10:13:51.11	2.94

Földrengés paraméterek

1854.

2023-12-14 time: 10:31:56.63 UTC ML= 1.5
 lat: 48.602N lon: 20.786E h= 0.0 km
 erh= 3.2km erz= 796km
 nr= 8 gap=193 rms=0.56
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.8	239	Pg	10:32:01.68	0.44
			Sg	32:05.31	0.47
ABAH	47.8	135	Pg	10:32:05.46	0.30
			Sg	32:11.09	-0.72
PSZ	100.8	221	Pg	10:32:14.80	0.17
			Sg	32:27.46	-1.22
LANS	114.3	302	Pg	10:32:17.19	0.15
			Sg	32:31.78	-1.19

1855.

2023-12-14 time: 12:33:23.47 UTC ML= 1.0
 lat: 47.886N lon: 16.073E h= 0.0 km
 erh= 2.8km erz= 4.9km
 nr= 7 gap=131 rms=0.83
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.5	287	Pg	12:33:27.18	0.76
			Sg	33:29.13	0.41
RONA	26.6	141	Pg	12:33:28.35	0.14
			Sg	33:32.50	0.59
ARSA	81.8	210	Sg	12:33:48.23	-1.25
KRUC	133.0	10	Pn	12:33:46.98	-0.10
			Sn	34:03.06	-2.44

1856.

2023-12-14 time: 13:11:21.54 UTC ML= 1.6
 lat: 48.446N lon: 17.086E h= 0.0 km
 erh= 2.1km erz= 558km
 nr= 8 gap=146 rms=0.41
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	16.3	120	PgU	13:11:24.36	-0.09
			Sg	11:25.87	-0.85
SMOL	26.5	73	Pg	13:11:26.60	0.34
			Sg	11:29.80	-0.15
ZST	27.8	177	Pg	13:11:26.72	0.21
JAVC	63.0	43	Pg	13:11:33.35	0.56
KRUC	85.2	323	Pg	13:11:36.48	-0.28
			Sg	11:47.98	-0.65

1857.

2023-12-14 time: 13:11:56.19 UTC ML= 1.6
 lat: 48.439N lon: 17.054E h= 0.0 km
 erh= 3.0km erz= 736km
 nr= 7 gap=153 rms=0.48
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	18.1	114	PgU	13:11:59.05	-0.37
			Sg	12:01.10	-0.83
ZST	27.2	172	Pg	13:12:01.37	0.32
SMOL	28.9	73	Pg	13:12:01.91	0.55
			Sg	12:05.38	-0.01
KRUC	84.5	325	Pg	13:12:11.56	0.27
			Sg	12:22.17	-0.89

Földrengés paraméterek

Hypocenter Parameters

1858.

2023-12-14 time: 18:02:01.98 UTC ML= 1.6
 lat: 48.773N lon: 22.234E h= 5.2 km
 erh= 2.5km erz= 3.1km
 nr= 9 gap=133 rms=0.61
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	18.0	9	PgU	18:02:05.19	-0.14
			Sg	02:08.46	0.52
TRPA	75.0	162	Pg	18:02:15.45	0.06
			Sg	02:24.85	-1.01
ABAH	90.6	234	Pg	18:02:18.73	0.55
			Sg	02:30.82	-0.01
STHS	101.8	315	Sg	18:02:32.65	-1.71
KECS	132.9	256	Sn	18:02:43.67	0.87
BMR	154.2	143	Sn	18:02:47.24	-0.29

1859.

2023-12-15 time: 0:46:01.30 UTC ML= 1.8
 lat: 47.872N lon: 16.275E h= 8.6 km
 erh= 1.8km erz= 1.8km
 nr= 20 gap= 82 rms=0.71
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	19.2	175	Pg	0:46:05.60	0.55
			Sg	46:08.03	0.05
SOP	29.8	135	Pg	0:46:07.56	0.72
			Sg	46:11.24	0.08
CONA	31.6	281	Pg	0:46:07.25	0.11
			Sg	46:11.32	-0.38
ARSA	89.3	219	Pg	0:46:16.89	-0.43
			Sg	46:27.77	-2.05
MODS	93.2	53	Pg	0:46:18.37	0.37
			Sg	46:29.89	-1.14
EGYH	94.1	122	Pg	0:46:18.30	0.13
			Sg	46:30.62	-0.72
MPLH	123.1	129	Sn	0:46:38.30	-0.89
KRUC	132.6	4	Pn	0:46:24.17	0.40
			Sn	46:40.41	-0.89
PKST	148.9	117	Sn	0:46:44.25	-0.66
KOGS	158.3	181	Pn	0:46:30.08	3.11
VRAC	161.5	8	Pn	0:46:27.85	0.48
			Sn	46:47.34	-0.36
PERS	163.0	213	Sn	0:46:49.25	1.20

1860.

2023-12-15 time: 8:10:44.96 UTC ML= 1.4
 lat: 47.965N lon: 20.342E h= 0.0 km
 erh= 3.1km erz= 558km
 nr= 6 gap=200 rms=0.33
 Locality: Szarvaskő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	33.8	261	Pg	8:10:51.24	0.24
			Sg	10:55.27	-0.44
KECS	58.6	11	Pg	8:10:55.90	0.47
			Sg	11:03.33	-0.26
ABAH	76.3	61	Pg	8:10:58.40	-0.18
			Sg	11:08.89	-0.32

1861.

2023-12-15 time: 8:13:05.86 UTC ML= 1.3
 lat: 47.274N lon: 18.353E h= 0.0 km
 erh= 3.2km erz= 772km
 nr= 7 gap=157 rms=0.52
 Locality: Sárkeresztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.2	325	Pg	8:13:08.08	0.04
			Sg	13:08.74	-0.99
PKSG	13.4	12	Pg	8:13:08.63	0.37
			Sg	13:09.72	-0.41
PKST	24.2	266	Pg	8:13:10.86	0.67
MORH	119.7	169	Sg	8:13:43.61	-0.30
PKSM	120.1	169	Sg	8:13:43.37	-0.66

1862.

2023-12-15 time: 8:18:30.41 UTC ML= 1.7
 lat: 47.313N lon: 18.454E h= 0.0 km
 erh= 3.2km erz= 737km
 nr= 7 gap=202 rms=0.51
 Locality: Pátka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.0	331	PgU	8:18:32.45	0.25
			Sg	18:32.88	-0.71
CSKK	15.7	291	Pg	8:18:33.94	0.73
			Sg	18:34.76	-0.63
PKST	32.3	259	Sg	8:18:40.28	-0.40
MORH	122.8	173	Sg	8:19:09.39	-0.04
PKSM	123.2	173	Sg	8:19:09.39	-0.18

1863.

2023-12-15 time: 9:39:01.24 UTC ML= 1.3
 lat: 48.555N lon: 20.794E h= 0.0 km
 erh= 4.2km erz= 546km
 nr= 5 gap=241 rms=0.25
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.1	251	Pg	9:39:05.29	-0.25
			Sg	39:08.90	0.00
ABAH	43.8	131	Pg	9:39:09.40	0.34
			Sg	39:14.88	-0.28
PSZ	97.3	223	Sg	9:39:32.29	0.11

1864.

2023-12-15 time: 10:26:26.11 UTC ML= 1.7
 lat: 48.668N lon: 21.467E h= 0.0 km
 erh= 2.1km erz= 788km
 nr= 11 gap= 75 rms=0.64
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	44.7	202	Pg	10:26:34.94	0.85
			Sg	26:40.25	-0.06
KOLS	66.1	64	Pg	10:26:38.64	0.72
			Sg	26:46.64	-0.49
KECS	75.3	254	Pg	10:26:40.05	0.49
			Sg	26:48.97	-1.08
STHS	84.9	349	Pg	10:26:41.07	-0.19
			Sg	26:52.22	-0.86
TRPA	99.4	127	Pg	10:26:43.65	-0.21
			Sg	26:56.02	-1.68
NIE	118.7	315	Pg	10:26:47.37	0.06

Hypocenter Parameters

1865.

2023-12-15 time: 13:23:44.96 UTC ML= 3.3
 lat: 46.062N lon: 21.605E h= 14.3 km
 erh= 2.8km erz= 2.9km
 nr= 44 gap= 49 rms=1.34
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TIM	46.9	219	PgU	13:23:53.30			-0.41
			Sg	24:00.39			-0.15
BZS	49.5	179	PgU	13:23:54.24			0.08
			Sg	24:00.80			-0.54
SURR	52.9	130	Pg	13:23:54.95			0.21
			Sg	24:02.26			-0.12
BANR	83.9	206	P*	13:23:59.78			-0.35
			S*	24:11.40			-0.56
DEV	102.6	101	Pn	13:24:02.55			-0.40
			Sn	24:16.57			-0.41
DRGR	117.5	46	Pn	13:24:04.52			-0.29
			Sn	24:19.16			-1.14
GZR	117.7	129	Pn	13:24:05.60			0.77
			Sn	24:19.98			-0.35
LTVH	148.8	9	Pn	13:24:08.45			-0.26
			Sn	24:26.15			-1.09
PKSN	162.6	305	Pn	13:24:09.33			-1.10
			Sn	24:27.68			-2.62
PKS6	168.1	291	Pn	13:24:12.13			1.01
			Sn	24:32.10			0.57
CJR	169.6	65	Pn	13:24:13.70			2.40
			Sn	24:32.86			1.01
BSZH	171.5	323	Sn	13:24:30.42			-1.86
FRGS	173.8	234	Pn	13:24:11.13			-0.71
			Sn	24:30.58			-2.22
PKB3	190.2	282	Pn	13:24:15.37			1.50
			Sn	24:38.38			1.95
PKS2	190.5	285	Sn	13:24:39.14			2.65
PKS7	217.1	300	Pn	13:24:21.06			3.83
			Sn	24:46.01			3.61
PKB5	228.8	285	Pn	13:24:17.52			-1.16
MORH	229.4	274	Pn	13:24:22.25			3.48
PKSM	229.6	274	Pn	13:24:22.36			3.57
PKB1	230.7	290	Pn	13:24:17.30			-1.62
PKB4	236.3	282	Pn	13:24:23.71			4.09
			Sn	24:44.33			-2.33
TRPA	240.6	17	Pn	13:24:19.35			-0.81
PSZ	244.0	328	Pn	13:24:19.18			-1.40
BUD	252.7	309	Pn	13:24:19.83			-1.83
PKSV	260.6	266	Pn	13:24:27.28			4.63
PENC	261.2	317	Pn	13:24:21.71			-1.02
KECS	282.2	343	Pn	13:24:24.84			-0.50
PKSG	286.8	301	Pn	13:24:24.38			-1.53
CSKK	293.8	299	Pn	13:24:25.36			-1.43
PKST	304.0	296	Pn	13:24:26.91			-1.15*
SRO	317.4	308	ePn	13:24:29.30			-0.43*
			eSn	25:00.90			-3.76*
KOLS	323.2	9	ePn	13:24:30.30			-0.15*
MPLH	334.9	292	Pn	13:24:31.08			-0.84*
STHS	374.0	356	ePn	13:24:37.20			0.41*
BLY	375.7	247	Pn	13:24:35.23			-1.77*
LANS	379.1	335	ePn	13:24:37.80			0.37*
			eSn	25:16.20			-2.16*
MODS	416.5	308	Pn	13:24:40.98			-1.12*
RONA	443.7	294	Pn	13:24:44.26			-1.23*
CRES	477.5	267	Pn	13:24:48.34			-1.36*
WINA	477.7	298	Pn	13:24:48.94			-0.78*
CONA	483.6	295	Pn	13:24:49.49			-0.97*
ARSA	483.9	286	Pn	13:24:49.43			-1.07*
SOKA	510.3	278	Pn	13:24:52.90			-0.89*
MORC	512.6	324	Pn	13:24:53.21			-0.87*
ABNA	549.0	302	Sn	13:25:50.79			-5.29*
TREC	583.3	308	eSn	13:25:59.00			-4.68*

Földrengés paraméterek

1866.

2023-12-15 time: 15:20:42.21 UTC ML= 2.1
 lat: 48.311N lon: 18.165E h= 10.0 km
 erh= 2.7km erz= 2.4km
 nr= 18 gap= 87 rms=0.77
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SMOL	59.0	293	Pg	15:20:53.33			0.43
			Sg	21:01.32			0.09
MODS	66.2	276	Pg	15:20:54.27			0.11
			Sg	21:03.30			-0.18
JAVC	71.1	329	PgD	15:20:54.81			-0.22
			Sg	21:03.14			-1.89
PKSG	103.5	171	S*	15:21:14.33			-0.92
CSKK	105.6	176	S*	15:21:14.71			-1.10
PKST	117.3	185	Sn	15:21:18.44			-0.06
LANS	133.8	46	Pn	15:21:04.24			-0.42
KRUC	154.8	303	Sn	15:21:28.71			1.90
VRAC	160.1	314	Pn	15:21:07.98			0.05
			Sn	21:27.18			-0.81
MORC	169.3	344	Pn	15:21:10.46			1.38
			Sn	21:29.34			-0.69
KECS	172.9	84	Sn	15:21:32.68			1.84
CONA	176.7	256	Pn	15:21:10.55			0.55
			Sn	21:32.15			0.48

1867.

2023-12-15 time: 21:08:25.81 UTC ML= 1.2
 lat: 47.842N lon: 16.211E h= 13.8 km
 erh= 1.3km erz= 1.0km
 nr= 17 gap= 72 rms=0.40
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	17.0	158	Pg	21:08:29.98			0.26
			Sg	08:32.60			-0.16
CONA	27.9	290	Pg	21:08:31.59			0.23
			Sg	08:35.73			0.05
WINA	31.3	341	Pg	21:08:32.01			0.10
			Sg	08:36.24			-0.43
SOP	31.4	124	Pg	21:08:32.04			0.11
			Sg	08:36.28			-0.43
ARSA	83.7	218	Sg	21:08:52.17			-0.59
EGYH	96.5	119	S*	21:08:55.89			-0.44
MODS	99.0	53	S*	21:08:56.59			-0.40
ABNA	108.8	328	Pn	21:08:44.58			-0.06
			Sn	08:57.57			-1.77
KRUC	136.4	6	Pn	21:08:48.53			0.45
			Sn	09:04.77			-0.69
VRAC	165.5	10	Pn	21:08:52.52			0.80
			Sn	09:12.20			0.27

1868.

2023-12-15 time: 21:27:32.94 UTC ML= 1.9
 lat: 46.498N lon: 20.192E h= 13.2 km
 erh= 3.4km erz= 1.7km
 nr= 18 gap=140 rms=0.66
 Locality: Mindszent
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKS6	49.5	283	Pg	21:27:42.20			0.11
			Sg	27:50.51			1.29
PKS2	75.2	270	Pg	21:27:46.50			-0.07
			Sg	27:57.50			0.30
PKB3	77.1	264	Pg	21:27:46.50			-0.40
			Sg	27:58.01			0.22
PKS7	99.7	308	S*	21:28:03.60			-0.81
PKB1	111.8	287	Pn	21:27:51.53			-0.70

Földrengés paraméterek

Hypocenter Parameters

	Sn	28:06.46	-0.82
PKB4 121.9 270	Pn	21:27:54.09	0.60
	Sn	28:09.24	-0.28
MORH 123.2 255	Pn	21:27:54.00	0.35
	Sn	28:08.92	-0.88
PKSM 123.5 255	Pn	21:27:52.98	-0.71
	Sn	28:10.53	0.65
BZS 147.4 132	Sn	21:28:16.22	1.04
PSZ 159.6 352	Sn	21:28:17.94	0.07
KOVH 167.5 254	Sn	21:28:23.48	3.84*
PKSG 169.4 306	Sn	21:28:21.94	1.88

1869.

2023-12-15 time: 21:48:49.16 UTC ML= 1.2
 lat: 47.875N lon: 16.228E h= 10.0 km
 erh= 2.7km erz= 2.6km
 nr= 14 gap=121 rms=0.70
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.1	165	Pg	21:48:53.59	0.41
			Sg	48:56.15	-0.16
CONA	28.0	282	Pg	21:48:55.23	0.76
			Sg	48:59.38	0.76
WINA	28.3	336	Pg	21:48:54.03	-0.50
			Sg	48:57.66	-1.05
SOP	32.7	131	Pg	21:48:55.51	0.25
			Sg	48:59.42	-0.60
ARSA	87.3	217	Sg	21:49:15.95	-1.15
ABNA	106.3	326	S*	21:49:21.00	-1.96
KRUC	132.6	5	Pn	21:49:11.81	0.36
			Sn	49:28.18	-0.66
VRAC	161.7	10	Pn	21:49:15.84	0.76
			Sn	49:35.13	-0.16

1870.

2023-12-17 time: 6:55:40.11 UTC ML= 2.3
 lat: 45.529N lon: 16.581E h= 7.3 km
 erh= 2.3km erz= 1.8km
 nr= 34 gap=139 rms=0.79
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
R93E	28.0	122	Pg	6:55:46.40	1.13
			Sg	55:50.30	1.00
R971	56.2	308	Pg	6:55:50.45	0.23
ZAG	56.6	306	Pg	6:55:50.73	0.43
			Sg	55:58.20	-0.04
PTJ	63.7	310	Pg	6:55:51.50	-0.05
			Sg	55:59.64	-0.83
CRES	93.6	291	Pg	6:55:56.85	-0.02
			Sg	56:09.13	-0.82
BLY	98.8	151	Pg	6:55:57.35	-0.45
			Sg	56:09.74	-1.87
RCF6	101.5	332	Pg	6:55:58.44	0.15
			Sg	56:11.39	-1.08
KOGS	105.3	346	Pg	6:55:59.24	0.28
			Sg	56:12.34	-1.32
GROS	133.1	321	Pn	6:56:02.34	-0.46
			Sn	56:19.48	-1.02
KOVH	133.4	62	Pn	6:56:02.64	-0.20
			Sn	56:18.33	-2.24
PKSV	136.1	73	Sn	6:56:18.93	-2.24
PERS	167.2	317	Pn	6:56:07.49	0.44
SOKA	175.0	317	Sn	6:56:30.53	0.72
PKSM	177.1	65	Pn	6:56:08.19	-0.09
			Sn	56:30.00	-0.25
MORH	177.4	65	Pn	6:56:08.84	0.51
			Sn	56:32.53	2.19
OBKA	191.4	305	Pn	6:56:11.56	1.49
ARSA	207.9	337	Pn	6:56:12.75	0.62

	Sn	56:37.64	0.54
RONA 242.3 355	Pn	6:56:18.01	1.60
CONA 272.3 348	Pn	6:56:21.47	1.31
	Sn	56:51.78	0.38
WINA 289.2 352	Pn	6:56:23.63	1.37
	Sn	56:54.89	-0.26
MOA 312.9 326	Pn	6:56:26.86	1.65*
	Sn	57:00.46	0.06*

1871.

2023-12-18 time: 3:53:42.00 UTC ML= 1.6
 lat: 46.014N lon: 21.772E h= 10.0 km
 erh=10.0km erz=10.7km
 nr= 7 gap=155 rms=0.58
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	45.8	195	Pg	3:53:50.40	0.02
			Sg	53:56.66	-0.25
DRGR	112.6	40	Pn	3:54:02.37	0.57
			Sn	54:16.53	-0.72
PKS6	182.1	291	Sn	3:54:31.48	-1.18
MORH	242.8	275	Sn	3:54:46.65	0.51
PKSM	243.0	275	Sn	3:54:47.75	1.57

1872.

2023-12-18 time: 9:06:53.77 UTC ML= 0.7
 lat: 45.704N lon: 21.839E h= 10.0 km
 erh= 7.5km erz= 3.9km
 nr= 5 gap=165 rms=0.38
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.8	241	PgU	9:06:57.83	0.09
			Sg	07:00.27	-0.56
SURR	23.0	76	Pg	9:06:58.73	0.49
			Sg	07:01.60	-0.13
DRGR	138.4	29	Sn	9:07:34.24	-0.48

1873.

2023-12-18 time: 10:19:31.95 UTC ML= 1.5
 lat: 47.905N lon: 16.026E h= 0.0 km
 erh= 3.4km erz= 5.8km
 nr= 8 gap=143 rms=1.09
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	12.5	282	Pg	10:19:34.74	0.55
			Sg	19:36.86	0.92
RONA	30.5	138	Pg	10:19:37.69	0.28
			Sg	19:41.29	-0.37
MODS	106.7	61	Pg	10:19:52.24	1.23
			Sg	20:04.65	-1.22
KRUC	131.5	12	Pn	10:19:54.44	-0.94
			Sn	20:10.09	-3.56

1874.

2023-12-18 time: 10:36:55.86 UTC ML= 1.6
 lat: 48.593N lon: 20.777E h= 0.0 km
 erh= 3.5km erz= 770km
 nr= 7 gap=191 rms=0.51
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.7	240	Pg	10:37:00.91	0.64
			Sg	37:03.69	-0.02

Hypocenter Parameters

ABAH 47.6 134 Pg 10:37:04.67 0.32
 Sg 37:10.70 -0.28
 PSZ 99.6 221 Pg 10:37:12.65 -0.99
 Sg 37:27.60 0.09
 LANS 114.3 303 Pg 10:37:16.29 0.02

1875.

2023-12-18 time: 13:46:54.54 UTC ML= 2.4
 lat: 45.520N lon: 16.039E h= 1.1 km
 erh= 1.6km erz= 1.5km
 nr= 31 gap=143 rms=0.61
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	34.5	354	Pg	13:47:01.27			0.57
			Sg	47:06.46			0.95
PTJ	42.7	352	Pg	13:47:02.12			-0.04
			Sg	47:08.91			0.80
CRES	56.7	307	Pg	13:47:04.66			0.00
			Sg	47:12.46			-0.09
R93E	67.6	102	Pg	13:47:06.36			-0.25
RCF6	90.6	356	Pg	13:47:10.96			0.24
			Sg	47:22.65			-0.68
KOGS	104.4	9	Pg	13:47:12.96			-0.23
			Sg	47:27.79			0.06
GROS	112.5	338	Pg	13:47:14.20			-0.44
			Sg	47:28.99			-1.32
BEHE	120.0	28	Pg	13:47:16.40			0.43
			Sg	47:31.69			-1.00
BLY	124.4	134	Pg	13:47:16.25			-0.50
			Sg	47:31.33			-2.74
PERS	143.0	330	Pn	13:47:19.85			0.58
			Sn	47:35.98			-2.57
SOKA	150.4	329	Pn	13:47:19.70			-0.48
			Sn	47:39.93			-0.25
OBKA	159.4	314	Pn	13:47:23.03			1.73
			Sn	47:42.08			-0.09
KOVH	172.2	68	Pn	13:47:23.20			0.30
			Sn	47:43.83			-1.20
PKSV	177.2	77	Pn	13:47:24.05			0.53
			Sn	47:45.33			-0.79
TRI	178.7	277	Sn	13:47:46.67			0.21
PKSM	216.2	69	Sn	13:47:55.62			0.83
MORH	216.6	69	Sn	13:47:55.42			0.55
RONA	243.1	5	Pn	13:47:32.09			0.35

1876.

2023-12-18 time: 14:53:38.00 UTC ML= 0.8
 lat: 47.695N lon: 16.182E h= 13.9 km
 erh= 1.4km erz= 0.9km
 nr= 8 gap=132 rms=0.26
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	8.6	87	PgD	14:53:41.15			0.24
			Sg	53:42.79			-0.40
SOP	28.3	93	Sg	14:53:47.78			-0.24
CONA	35.3	317	Pg	14:53:45.08			0.31
			Sg	53:49.74			-0.31
ARSA	70.1	225	Sg	14:54:00.66			-0.05
MODS	111.2	47	Sn	14:54:11.80			-0.24
SMOL	130.0	46	Sn	14:54:16.34			0.12

1877.

2023-12-18 time: 19:31:28.88 UTC ML= 1.8
 lat: 46.121N lon: 16.438E h= 10.0 km
 erh= 1.8km erz= 1.3km
 nr= 21 gap=135 rms=0.53
 Locality: Croatia
 Comments:

Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
KOGS	39.2	338	Pg	19:31:36.36			0.26
			Sg	31:41.61			-0.12
RCF6	43.8	303	Pg	19:31:37.15			0.24
			Sg	31:42.70			-0.47
PTJ	44.6	237	Pg	19:31:37.30			0.26
			Sg	31:43.01			-0.39
BEHE	46.7	34	Sg	19:31:43.77			-0.30
ZAG	47.3	227	Sg	19:31:43.95			-0.30
GOLS	64.1	259	iPg	19:31:41.40			0.93
GCIS	68.9	246	iPg	19:31:41.52			0.22
DOBS	75.0	272	iPg	19:31:42.58			0.20
GROS	81.5	298	Pg	19:31:43.25			-0.29
			Sg	31:53.20			-1.77
CRES	82.8	247	Pg	19:31:43.44			-0.34
			Sg	31:53.62			-1.78
PERS	116.7	299	Pn	19:31:49.51			0.33
			Sn	32:04.53			-0.49
SOKA	124.6	300	Sn	19:32:05.90			-0.88
KOVH	128.5	92	Sn	19:32:06.73			-0.92
ARSA	143.8	331	Pn	19:31:52.99			0.43
			Sn	32:11.86			0.83

1878.

2023-12-18 time: 21:34:23.69 UTC ML= 0.6
 lat: 47.686N lon: 16.147E h= 10.0 km
 erh= 2.9km erz= 3.5km
 nr= 11 gap=134 rms=0.72
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	11.3	82	PgU	21:34:26.73			0.35
			Sg	34:28.83			0.35
SOP	30.9	91	Pg	21:34:29.38			-0.10
			Sg	34:33.68			-0.32
CONA	34.4	322	Pg	21:34:30.31			0.23
			Sg	34:34.87			-0.21
WINA	47.2	353	Pg	21:34:32.41			0.11
			Sg	34:37.97			-1.04
ARSA	67.5	224	Sg	21:34:44.34			-1.04
ABNA	121.7	334	Pn	21:34:45.99			1.38
			Sn	34:58.28			-2.66

1879.

2023-12-18 time: 21:35:29.89 UTC ML= 0.8
 lat: 47.682N lon: 16.146E h= 12.6 km
 erh= 2.1km erz= 4.5km
 nr= 10 gap=135 rms=0.47
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	11.5	80	PgU	21:35:33.25			0.32
			Sg	35:35.42			0.12
SOP	31.0	90	Pg	21:35:35.89			0.03
			Sg	35:39.86			-0.66
CONA	34.7	322	Pg	21:35:36.91			0.43
			Sg	35:41.33			-0.29
WINA	47.6	353	Pg	21:35:38.66			-0.02
			Sg	35:44.10			-1.44
ARSA	67.1	224	Pg	21:35:42.45			0.37
			Sg	35:50.68			-0.91

1880.

2023-12-19 time: 7:29:35.81 UTC ML= 1.4
 lat: 47.120N lon: 18.095E h= 0.0 km
 erh= 2.3km erz= 935km
 nr= 15 gap= 98 rms=0.80
 Locality: Vilonya
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKST	16.1	344	Pg	7:29:38.39	-0.30
			Sg	29:39.98	-0.95
CSKK	29.8	25	Pg	7:29:41.53	0.40
			Sg	29:44.36	-0.93
PKSG	37.6	37	Pg	7:29:42.91	0.38
			Sg	29:47.24	-0.53
MPLH	42.5	278	Pg	7:29:44.58	1.18
			Sg	29:49.07	-0.24
PKB1	64.9	125	Pg	7:29:48.31	0.91
PKB4	79.5	151	Sg	7:30:01.29	0.22
MORH	109.0	157	Pg	7:29:55.53	0.26
			Sg	30:08.76	-1.68
PKSM	109.3	157	Pg	7:29:55.66	0.34
			Sg	30:09.00	-1.55
KOVH	114.7	180	Sg	7:30:10.57	-1.69

1881.

2023-12-19 time: 7:44:09.96 UTC ML= 1.7
 lat: 46.011N lon: 22.828E h= 0.0 km
 erh= 2.3km erz= 4.7km
 nr= 11 gap=116 rms=0.61
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	15.4	158	Pg	7:44:13.05	0.34
			Sg	44:14.83	-0.02
SURR	61.6	242	Pg	7:44:21.70	0.73
			Sg	44:28.95	-0.60
GZR	68.8	183	Sg	7:44:31.66	-0.17
DRGR	87.2	354	Pg	7:44:25.94	0.41
			Sg	44:36.90	-0.78
BZS	103.9	245	Pg	7:44:28.34	-0.17
			Sg	44:40.92	-2.05
VOIR	184.4	110	Pn	7:44:40.30	0.32
			Sn	45:01.99	-1.41

1882.

2023-12-19 time: 8:26:16.11 UTC ML= 1.6
 lat: 48.513N lon: 20.812E h= 0.0 km
 erh= 4.7km erz= 662km
 nr= 6 gap=225 rms=0.39
 Locality: Tornaszentandrás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.3	262	Pg	8:26:20.31	-0.15
			Sg	26:23.56	-0.29
ABAH	39.8	127	Pg	8:26:23.20	-0.01
			Sg	26:28.64	-0.11
PSZ	95.0	226	Pg	8:26:33.77	0.70
			Sg	26:45.74	-0.55

1883.

2023-12-19 time: 9:49:38.00 UTC ML= 1.6
 lat: 48.590N lon: 20.798E h= 0.0 km
 erh= 1.3km erz= 471km
 nr= 9 gap= 96 rms=0.35
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.9	243	Pg	9:49:42.45	-0.18
			Sg	49:46.28	0.04
ABAH	46.2	135	Pg	9:49:46.44	0.19
			Sg	49:52.62	-0.06
STHS	97.6	20	Sg	9:50:09.14	0.12
NIE	98.8	339	Sg	9:50:09.53	0.13
PSZ	100.4	222	Pg	9:49:56.38	0.46
			Sg	50:09.13	-0.77

KOLS 115.0 71 Sg 9:50:13.83 -0.72

1884.

2023-12-19 time: 10:08:50.69 UTC ML= 0.8
 lat: 45.558N lon: 21.874E h= 10.0 km
 erh= 3.1km erz= 5.4km
 nr= 5 gap=209 rms=0.69
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.1	288	Pg	10:08:55.60	0.74
			Sg	08:58.19	0.08
SURR	29.3	42	Pg	10:08:56.44	0.22
			Sg	08:59.44	-1.09
BANR	60.9	251	Sg	10:09:09.30	-1.02

1885.

2023-12-19 time: 10:10:25.39 UTC ML= 1.4
 lat: 45.975N lon: 22.338E h= 0.0 km
 erh= 4.7km erz= ***km
 nr= 7 gap=143 rms=0.76
 Locality: Romania
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SURR	29.6	214	Pg	10:10:31.85	1.17
			Sg	10:34.63	-0.17
BZS	68.8	235	Pg	10:10:37.92	0.25
			Sg	10:46.18	-1.07
GZR	73.1	152	Sg	10:10:47.74	-0.90
DRGR	95.2	18	Pg	10:10:42.57	0.18
			Sg	10:54.62	-1.04

1886.

2023-12-19 time: 10:35:09.48 UTC ML= 1.7
 lat: 47.892N lon: 20.180E h= 0.0 km
 erh= 5.2km erz= 786km
 nr= 5 gap=217 rms=0.37
 Locality: Tarnaszentmária
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.6	278	Pg	10:35:13.46	0.12
			Sg	35:15.73	-0.61
KECS	69.6	19	Sg	10:35:31.70	0.11
ABAH	90.8	60	Pg	10:35:26.06	0.36
			Sg	35:37.80	-0.55

1887.

2023-12-19 time: 10:36:55.78 UTC ML= 1.4
 lat: 47.846N lon: 16.022E h= 0.0 km
 erh= 2.8km erz= 5.1km
 nr= 8 gap= 98 rms=0.97
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.1	308	Pg	10:36:59.58	1.10
			Sg	37:01.34	0.75
RONA	26.2	128	Pg	10:37:01.14	0.68
			Sg	37:04.12	0.02
ARSA	76.1	210	Sg	10:37:19.14	-0.82
MODS	110.4	58	Sg	10:37:30.10	-0.77
KRUC	138.0	12	Pn	10:37:19.46	-0.57
			Sn	37:36.20	-2.74

Hypocenter Parameters

Földregés paraméterek

1888.

2023-12-19 time: 11:00:36.08 UTC ML= 2.0
 lat: 48.151N lon: 16.865E h= 0.0 km
 erh= 5.6km erz= 782km
 nr= 7 gap=159 rms=0.53
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	18.3	74	Pg	11:00:39.70			0.34
			Sg	00:41.42			-0.49
MODS	39.3	51	Pg	11:00:43.38			0.27
			Sg	00:47.92			-0.67
RONA	65.8	220	Pg	11:00:48.46			0.63
			Sg	00:56.45			-0.55
CONA	78.8	252	Sg	11:01:00.28			-0.86

1889.

2023-12-20 time: 7:30:57.46 UTC ML= 1.3
 lat: 47.981N lon: 16.076E h= 0.0 km
 erh= 2.6km erz= 4.8km
 nr= 7 gap=138 rms=0.49
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	17.0	250	Pg	7:31:00.67			0.17
			Sg	31:02.99			0.12
RONA	35.4	152	Pg	7:31:03.80			0.02
			Sg	31:08.19			-0.51
KRUC	122.5	11	Pg	7:31:19.77			0.43
			Sg	31:33.86			-2.54
VRAC	152.5	14	Sn	7:31:43.53			-0.29

1890.

2023-12-20 time: 8:51:25.09 UTC ML= 1.6
 lat: 48.596N lon: 20.752E h= 0.0 km
 erh= 2.8km erz= 7.0km
 nr= 13 gap= 87 rms=0.91
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.3	237	Pg	8:51:29.51			0.25
			Sg	51:32.01			-0.50
ABAH	49.1	133	Pg	8:51:34.67			0.80
			Sg	51:39.64			-1.07
STHS	98.1	22	Pg	8:51:43.83			1.22
			Sg	51:55.33			-0.94
PSZ	98.7	220	Pg	8:51:43.40			0.69
			Sg	51:55.33			-1.13
LANS	112.6	303	Pg	8:51:44.89			-0.31
			Sg	51:59.99			-0.89
KOLS	117.9	71	Sg	8:52:01.24			-1.34
TRPA	142.2	111	Pn	8:51:50.64			0.78
			Sn	52:06.29			-2.88

1891.

2023-12-20 time: 11:52:54.59 UTC ML= 1.5
 lat: 45.509N lon: 18.111E h= 0.0 km
 erh= 3.1km erz= 331km
 nr= 7 gap=331 rms=0.22
 Locality: Croatia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	43.5	15	Sg	11:53:08.87			0.44
KOVH	64.3	359	Pg	11:53:06.20			0.12
			Sg	53:14.58			-0.46
PKSM	88.2	28	Pg	11:53:10.45			0.10

			Sg	53:22.70			0.06
MORH	88.7	28	Pg	11:53:10.27			-0.17
			Sg	53:22.65			-0.15

1892.

2023-12-20 time: 12:36:45.91 UTC ML= 1.3
 lat: 47.890N lon: 16.092E h= 0.0 km
 erh= 0.3km erz= 0.6km
 nr= 5 gap=134 rms=0.43
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	17.7	284	Pg	12:36:49.52			0.44
			Sg	36:51.68			0.13
RONA	26.1	144	Sg	12:36:54.42			0.20
ARSA	83.0	211	Sg	12:37:11.44			-0.86
KRUC	132.2	10	Pn	12:37:09.14			-0.29

1893.

2023-12-20 time: 13:30:59.71 UTC ML= 1.7
 lat: 48.533N lon: 19.938E h= 0.0 km
 erh= 2.4km erz= 747km
 nr= 9 gap=151 rms=0.56
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	40.9	98	Sg	13:31:12.77			0.07
PSZ	68.4	183	Pg	13:31:12.18			0.25
			Sg	31:20.47			-0.99
LANS	76.8	333	Pg	13:31:13.82			0.39
			Sg	31:23.51			-0.62
ABAH	99.9	105	Pg	13:31:17.89			0.34
			Sg	31:30.99			-0.48
NIE	102.3	16	Pg	13:31:18.28			0.31
			Sg	31:29.82			-2.39

1894.

2023-12-21 time: 7:49:36.95 UTC ML= 1.5
 lat: 47.963N lon: 16.066E h= 0.0 km
 erh= 2.2km erz= 5.2km
 nr= 11 gap=115 rms=0.67
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.7	256	Pg	7:49:40.36			0.61
			Sg	49:42.28			0.34
RONA	34.0	149	Pg	7:49:43.33			0.31
			Sg	49:47.29			-0.46
ARSA	89.1	207	Sg	7:50:04.23			-1.03
MODS	101.1	63	Pg	7:49:54.56			-0.44
			Sg	50:10.33			1.26
SMOL	118.4	59	Pg	7:49:58.32			0.24
KRUC	124.6	11	Pg	7:49:59.38			0.18
			Sg	50:14.87			-1.69
VRAC	154.6	15	Sn	7:50:22.62			-1.16

1895.

2023-12-21 time: 10:20:10.65 UTC ML= 0.9
 lat: 47.931N lon: 16.129E h= 0.0 km
 erh= 2.4km erz= 4.9km
 nr= 7 gap=115 rms=0.52
 Locality: Austria
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	19.9	269	Pg	10:20:14.51			0.30
			Sg	20:15.73			-1.26

Földrengés paraméterek

Hypocenter Parameters

RONA 28.6 154 Pg 10:20:16.12 0.37
 Sg 20:19.40 -0.33
 MODS 98.7 60 Sg 10:20:41.36 -0.65
 KRUC 127.3 9 Sg 10:20:51.33 0.21
 VRAC 157.0 13 Sn 10:20:58.42 0.41

1896.

2023-12-21 time: 21:27:30.94 UTC ML= 1.7
 lat: 47.982N lon: 16.539E h= 11.8 km
 erh= 1.6km erz= 1.5km
 nr= 16 gap=117 rms=0.56
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	33.3	178	Pg	21:27:37.83	0.59
			Sg	27:41.83	-0.32
RONA	36.3	210	Pg	21:27:38.09	0.34
			Sg	27:42.61	-0.46
WINA	37.4	292	Sg	21:27:43.04	-0.37
ZST	48.2	60	Sg	21:27:46.05	-0.67
CONA	51.0	263	Pg	21:27:40.48	0.20
			Sg	27:46.99	-0.58
MODS	70.1	52	Pg	21:27:44.02	0.40
			Sg	27:52.59	-0.93
ARSA	111.6	223	Sn	21:28:04.79	-0.76
KRUC	120.5	355	Pn	21:27:51.98	0.48
			Sn	28:06.46	-1.08
VRAC	147.5	2	Pn	21:27:55.67	0.81
			Sn	28:13.03	-0.50
KOGS	171.9	187	Sn	21:28:18.99	0.04

1897.

2023-12-22 time: 4:10:33.01 UTC ML= 0.7
 lat: 45.701N lon: 21.885E h= 15.3 km
 erh= 4.8km erz= 2.6km
 nr= 6 gap=173 rms=0.27
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	19.6	72	Pg	4:10:37.23	-0.22
			Sg	10:41.12	0.21
BZS	22.9	246	Pg	4:10:38.33	0.40
			Sg	10:41.44	-0.32
TIM	51.8	274	Sg	4:10:50.03	-0.16
DRGR	137.0	28	Sn	4:11:12.41	-0.05

1898.

2023-12-24 time: 0:52:50.81 UTC ML= 2.0
 lat: 46.149N lon: 16.028E h= 10.0 km
 erh= 1.7km erz= 2.6km
 nr= 14 gap=126 rms=0.57
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
RCF6	21.1	346	Sg	0:52:58.10	-0.15
PTJ	28.2	191	Sg	0:53:00.26	-0.07
ZAG	35.7	184	Sg	0:53:02.68	0.09
KOGS	37.4	27	Pg	0:52:57.52	-0.21
			Sg	53:02.68	-0.44
GROS	53.3	311	Pg	0:53:00.34	-0.16
			Sg	53:06.75	-1.31
CRES	57.0	231	Pg	0:53:01.24	0.09
			Sg	53:08.24	-0.97
BEHE	67.7	58	Pg	0:53:03.70	0.66
			Sg	53:12.43	-0.15
PERS	88.5	308	Pg	0:53:07.81	1.08
			Sg	53:19.66	0.52
ARSA	128.4	342	Sn	0:53:28.94	-0.61

1899.

2023-12-24 time: 23:26:36.34 UTC ML= 2.5
 lat: 45.596N lon: 16.479E h= 10.0 km
 erh= 4.9km erz= 4.3km
 nr= 17 gap=138 rms=1.24
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	45.8	304	Sg	23:26:52.89	1.66
CRES	83.6	288	Pg	23:26:52.44	1.07
			Sg	27:03.05	-0.04
RCF6	91.3	334	Sg	23:27:04.83	-0.70
KOGS	96.3	349	Pg	23:26:53.03	-0.61
			Sg	27:05.55	-1.58
BLY	109.3	150	Sn	23:27:08.48	-2.36
GR0S	122.3	322	Pn	23:26:57.53	0.18
			Sn	27:13.69	-0.04
KOVH	137.3	67	Sn	23:27:16.00	-1.06
PKSV	141.8	77	Sn	23:27:16.92	-1.14
PERS	156.3	318	Pn	23:27:01.68	0.09
			Sn	27:20.26	-1.02
PKS9	177.5	52	Sn	23:27:29.34	3.35
PKSM	181.2	68	Sn	23:27:28.66	1.85
MORH	181.6	68	Sn	23:27:28.71	1.82
ARSA	198.0	338	Sn	23:27:36.14	5.61*

1900.

2023-12-25 time: 16:10:15.97 UTC ML= 1.6
 lat: 45.783N lon: 21.428E h= 12.8 km
 erh= 2.5km erz= 2.0km
 nr= 5 gap=249 rms=0.10
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	16.9	252	Pg	16:10:19.65	-0.11
			Sg	10:22.78	0.06
BZS	23.6	141	Pg	16:10:20.88	0.11
			Sg	10:24.36	-0.15
BANR	50.0	207	Pg	16:10:25.22	0.03

1901.

2023-12-25 time: 18:05:19.57 UTC ML= 1.6
 lat: 47.450N lon: 18.181E h= 11.8 km
 erh= 1.5km erz= 1.0km
 nr= 21 gap= 98 rms=0.51
 Locality: Felsődobos
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	11.3	148	PgU	18:05:22.38	-0.11
			Sg	05:24.34	-0.43
PKSG	17.0	112	Pg	18:05:22.98	-0.29
			Sg	05:26.05	-0.11
PKST	23.9	208	PgD	18:05:24.04	-0.30
			Sg	05:27.75	-0.30
SRO	41.6	14	Sg	18:05:33.53	0.20
MPLH	57.6	237	Pg	18:05:30.27	0.19
			Sg	05:37.92	-0.35
EGYH	64.2	267	Sg	18:05:40.59	0.27
TIH	64.9	200	Sg	18:05:40.85	0.31
PKB1	87.3	148	Pg	18:05:36.37	1.07
PKB5	103.9	156	P*	18:05:38.11	0.08
			S*	05:52.04	-0.38
PKB4	110.7	163	Pn	18:05:40.07	1.16
			Sn	05:53.53	-0.46
MODS	123.0	327	Pn	18:05:40.12	-0.32
MORH	141.6	166	Pn	18:05:42.85	0.09
			Sn	05:59.38	-1.47
PKSM	142.0	166	Pn	18:05:42.88	0.07
			Sn	05:59.38	-1.55

Hypocenter Parameters

Földrengés paraméterek

1902.

2023-12-26 time: 1:50:38.53 UTC ML= 1.1
 lat: 45.708N lon: 21.828E h= 8.7 km
 erh= 7.6km erz= 4.2km
 nr= 7 gap=159 rms=0.28
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.3	238	Pg	1:50:42.17	-0.15
			Sg	50:45.00	-0.27
SURR	23.7	78	Pg	1:50:43.10	0.07
			Sg	50:46.41	-0.14
BANR	65.1	236	Sg	1:50:59.83	0.44
DRGR	138.4	29	Pn	1:51:02.05	0.35
			Sn	51:19.19	-0.59

1903.

2023-12-26 time: 8:02:32.42 UTC ML= 2.1
 lat: 45.647N lon: 21.868E h= 0.8 km
 erh= 2.9km erz= 3.3km
 nr= 15 gap=131 rms=0.68
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	19.8	260	Pg	8:02:35.97	0.00
			Sg	02:38.47	-0.26
SURR	23.3	59	Pg	8:02:36.59	0.00
			Sg	02:40.06	0.22
TIM	51.4	281	Pg	8:02:41.42	-0.17
BANR	64.3	243	Pg	8:02:44.05	0.14
			Sg	02:53.11	0.25
GZR	76.4	112	Pg	8:02:46.32	0.25
			Sg	02:56.44	-0.27
DRGR	143.0	27	Pn	8:02:55.55	-1.63
			Sn	03:12.00	-4.49*
CJR	178.6	48	Sn	8:03:25.16	0.74
LTVH	193.2	1	Sn	8:03:28.80	1.15
PKS6	207.1	301	Sn	8:03:32.20	1.46
PKB3	224.2	293	Sn	8:03:37.37	2.84

1904.

2023-12-27 time: 2:34:07.52 UTC ML= 0.6
 lat: 45.639N lon: 21.885E h= 10.0 km
 erh= 4.4km erz= 1.7km
 nr= 6 gap=189 rms=0.25
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	21.1	263	Pg	2:34:11.86	0.17
			Sg	34:14.50	-0.44
SURR	22.6	56	Pg	2:34:12.15	0.21
			Sg	34:14.97	-0.42
BANR	65.1	244	Sg	2:34:28.47	0.00
DRGR	143.1	26	Sn	2:34:49.56	0.02

1905.

2023-12-28 time: 3:49:09.73 UTC ML= 2.0
 lat: 48.093N lon: 19.920E h= 5.8 km
 erh= 3.2km erz= 2.6km
 nr= 24 gap= 87 rms=1.12
 Locality: Bárna
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	19.5	186	PgU	3:49:13.87	0.50
			Sg	49:16.36	0.15

PENC	58.4	235	Pg	3:49:20.38	0.17
			Sg	49:27.91	-0.47
KECS	60.4	44	Pg	3:49:21.35	0.79
			Sg	49:29.89	0.89
SF5A	74.0	212	Pg	3:49:22.55	-0.44
BSZH	92.0	164	Sg	3:49:38.16	-0.87
ABAH	100.6	77	Pg	3:49:27.59	-0.15
			Sg	49:40.31	-1.47
LANS	122.2	344	Pn	3:49:31.85	0.59
			Sn	49:46.95	-1.11
SRO	124.0	255	Sn	3:49:46.32	-2.13
PKS7	129.6	206	Sn	3:49:47.51	-2.18
PKSG	138.7	236	Pn	3:49:33.41	0.09
NIE	150.2	11	Sn	3:49:55.74	1.46
PKB1	168.6	210	Sn	3:49:58.90	0.55
STHS	176.5	33	ePn	3:49:36.70	-1.33
PKS2	185.9	197	Sn	3:50:04.56	2.37
PKB5	189.1	208	Sn	3:50:05.09	2.19
SMOL	190.7	284	Sn	3:50:07.60	4.35*
PKB3	193.5	196	Sn	3:50:06.01	2.12
PKB4	203.5	209	Pn	3:49:39.46	-1.94
			Sn	50:08.89	2.78

1906.

2023-12-28 time: 10:02:03.32 UTC ML= 2.4
 lat: 48.356N lon: 22.774E h= 11.5 km
 erh= 1.8km erz= 1.7km
 nr= 17 gap= 81 rms=0.65
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr mn sec	res
MUKU	12.7	329	Pg	10:02:06.35	-0.03
TRPA	30.6	215	Pg	10:02:09.55	0.40
			Sg	02:13.91	0.21
MEZ	57.5	72	Pg	10:02:14.19	0.39
			Sg	02:22.21	0.24
KOLS	74.0	330	Pg	10:02:16.69	-0.01
			Sg	02:26.01	-1.13
STZU	74.2	351	Pg	10:02:17.22	0.48
			Sg	02:26.24	-0.96
BMR	93.2	145	Pg	10:02:20.10	0.01
			Sg	02:32.06	-1.10
RAKU	109.9	109	Sn	10:02:36.77	-0.85
ABAH	114.0	267	Pn	10:02:23.14	0.04
			Sn	02:37.05	-1.47
STHS	162.8	316	Pn	10:02:29.54	0.36
KECS	170.0	275	Sn	10:02:52.91	1.97
DRGR	174.0	182	Sn	10:02:52.54	0.70
CJR	192.9	161	Sn	10:03:01.19	5.16*
PSZ	219.8	257	Sn	10:03:07.67	5.67*

1907.

2023-12-28 time: 20:59:18.86 UTC ML= 2.3
 lat: 48.338N lon: 22.747E h= 1.1 km
 erh= 3.6km erz= 3.7km
 nr= 20 gap=171 rms=1.46
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	27.7	214	PgU	20:59:24.38	0.56
			Sg	59:28.33	0.65
KOLS	74.9	332	Pg	20:59:31.46	-0.77
			Sg	59:42.40	-0.26
BMR	92.7	143	Pg	20:59:34.81	-0.61
			Sg	59:46.95	-1.39
ABAH	111.9	268	Pg	20:59:37.87	-0.97
			Sg	59:51.65	-2.77
LTVH	123.4	211	Pg	20:59:40.28	-0.62
			Sg	59:56.21	-1.88
STHS	162.9	317	Pn	20:59:47.64	1.57
KECS	168.2	276	Sn	20:60:09.12	0.68

Földrengés paraméterek

Hypocenter Parameters

DRGR 171.9 181 Pn 20:59:48.66 1.48
 Sn 21:00:07.48 -1.79
 CJR 191.6 160 Pn 20:59:51.35 1.71
 Sn 21:00:12.84 -0.81
 NIE 215.2 304 Pn 20:59:55.55 2.97
 Sn 21:00:23.33 4.45
 PSZ 217.4 258 Sn 20:60:23.53 4.17
 BSZH 218.6 238 Sn 20:60:23.43 3.79

1908.

2023-12-28 time: 21:06:11.89 UTC ML= 2.0
 lat: 48.349N lon: 22.732E h= 10.0 km
 erh= 3.9km erz= 3.3km
 nr= 9 gap=170 rms=0.75
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	28.2	210	PgU	21:06:17.74			0.50
			Sg	06:21.71			0.29
KOLS	73.2	333	Pg	21:06:24.60			-0.48
			Sg	06:36.62			1.25
BMR	94.4	143	Pg	21:06:28.96			0.11
			Sg	06:40.98			-1.10
ABAH	110.8	267	Pn	21:06:31.41			-0.06
			Sn	06:44.64			-2.09
DRGR	173.2	181	Sn	21:07:01.62			1.04

1909.

2023-12-28 time: 21:32:49.36 UTC ML= 2.1
 lat: 48.354N lon: 22.808E h= 10.0 km
 erh= 2.8km erz= 2.4km
 nr= 10 gap=177 rms=0.58
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	31.8	219	Pg	21:32:55.73			0.41
			Sg	32:59.87			-0.10
KOLS	75.5	329	Pg	21:33:02.74			-0.22
			Sg	33:13.62			0.05
BMR	91.5	146	Pg	21:33:06.00			0.20
			Sg	33:17.72			-0.90
ABAH	116.5	267	Pn	21:33:09.70			0.06
			Sn	33:23.15			-2.30
KECS	172.5	275	Sn	21:33:39.74			1.86
DRGR	173.8	182	Sn	21:33:38.19			0.01

1910.

2023-12-28 time: 22:39:44.61 UTC ML= 2.2
 lat: 48.351N lon: 22.767E h= 10.0 km
 erh= 2.9km erz= 2.2km
 nr= 12 gap=174 rms=0.68
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	29.8	215	PgU	22:39:50.52			0.29
			Sg	39:54.66			0.05
KOLS	74.3	331	Pg	22:39:57.70			-0.29
			Sg	40:09.38			0.95
BMR	93.0	144	Pg	22:40:01.34			0.02
			Sg	40:13.50			-0.85
ABAH	113.5	267	Pn	22:40:04.16			-0.35
			Sn	40:17.83			-2.21
LTVH	125.5	211	Sn	22:40:23.07			0.36
KECS	169.5	275	Sn	22:40:34.97			2.49
DRGR	173.4	181	Sn	22:40:33.72			0.37
CJR	192.5	161	Sn	22:40:38.47			0.88

1911.

2023-12-29 time: 4:04:21.58 UTC ML= 0.9
 lat: 48.333N lon: 22.622E h= 13.6 km
 erh= 2.4km erz= 1.3km
 nr= 5 gap=199 rms=0.18
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	23.3	195	Pg	4:04:26.17			-0.24
			Sg	04:30.28			0.11
KOLS	71.6	339	Sg	4:04:44.91			0.17
ABAH	102.6	268	S*	4:04:53.80			0.03
DRGR	171.5	178	Sn	4:05:09.29			0.23

1912.

2023-12-30 time: 2:45:23.68 UTC ML= 2.4
 lat: 48.244N lon: 16.617E h= 16.2 km
 erh= 1.1km erz= 0.9km
 nr= 65 gap= 39 rms=0.71
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
WINA	43.2	249	Pg	2:45:31.97			0.05
			Sg	45:37.72			-0.63
MODS	51.1	74	Pg	2:45:33.29			0.04
			Sg	45:41.36			0.65
SOP	62.5	184	Pg	2:45:34.96			-0.25
			Sg	45:44.00			-0.21
RONA	65.1	202	Pg	2:45:35.10			-0.56
			Sg	45:44.58			-0.43
CONA	66.3	238	Pg	2:45:35.30			-0.58
			Sg	45:44.65			-0.74
SMOL	67.2	63	Pg	2:45:35.87			-0.16
			Sg	45:45.89			0.24
KRUC	92.4	350	P*	2:45:39.27			-0.70
			S*	45:51.24			-1.44
JAVC	103.6	49	Pn	2:45:41.96			0.39
			Sn	45:54.92			-0.60
EGYH	106.4	150	Pn	2:45:42.62			0.70
			Sn	45:55.31			-0.83
VRAC	118.4	359	Pn	2:45:43.87			0.46
			Sn	45:57.47			-1.32
SRO	135.3	111	Pn	2:45:45.83			0.31
			Sn	46:01.63			-0.92
ARSA	137.6	217	Pn	2:45:47.33			1.52
			Sn	46:01.88			-1.19
MPLH	138.0	150	Pn	2:45:46.19			0.33
			Sn	46:02.26			-0.90
TREC	143.4	325	ePn	2:45:47.40			0.87
			eSn	46:04.10			-0.24
PKST	152.6	136	Pn	2:45:48.08			0.40
			Sn	46:04.95			-1.45
CSKK	157.3	129	Pn	2:45:48.43			0.16
			Sn	46:06.73			-0.72
PKSG	163.2	126	Pn	2:45:49.34			0.34
			Sn	46:07.53			-1.21
MORC	183.4	22	Sn	2:46:12.51			-0.72
KOGS	201.6	188	Pn	2:45:54.32			0.53
			Sn	46:16.47			-0.80
KRLC	204.0	3	Sn	2:46:18.00			0.20
PENC	205.1	104	Pn	2:45:54.97			0.75
SOKA	211.2	214	Sn	2:46:19.50			0.11
PERS	211.6	212	Sn	2:46:20.08			0.59
GROS	215.4	203	Sn	2:46:19.36			-0.98
ZVC	222.1	307	ePn	2:45:56.40			0.05
			eSn	46:25.40			3.58*
PKS9	222.9	146	Pn	2:45:57.48			1.04
PKB1	230.6	135	Pn	2:45:57.69			0.28
BIOA	230.8	255	Pn	2:45:58.64			1.21
			Sn	46:26.14			2.40
LANS	232.8	64	ePn	2:45:59.20			1.52

Hypocenter Parameters

PKB5	243.3	139	Pn	2:45:59.48	0.50
KHC	244.5	294	ePn	2:46:00.80	1.66
			eSn	46:28.00	1.20
PKB4	245.5	142	Pn	2:46:00.05	0.78
			Sn	46:26.10	-0.92
PRU	246.1	322	ePn	2:46:00.20	0.86
PSZ	246.9	98	Pn	2:45:59.38	-0.06
			Sn	46:26.49	-0.83
OBKA	248.2	219	Pn	2:46:01.12	1.52
UPC	255.5	350	ePn	2:46:02.20	1.69
KOVH	264.7	155	Pn	2:46:02.12	0.46
MORH	272.8	146	Pn	2:46:02.75	0.08
PKSM	273.1	146	Pn	2:46:03.09	0.39
CRES	282.9	198	Sn	2:46:34.03	-1.29
MYKA	287.4	231	Pn	2:46:06.24	1.75
KECS	287.9	85	Pn	2:46:05.24	0.69
			Sn	46:35.79	-0.64
ABAH	343.2	89	Pn	2:46:11.73	0.28*
			Sn	46:47.53	-1.17*
MOTA	425.0	256	Pn	2:46:23.41	1.76*
RETA	446.1	259	Pn	2:46:25.77	1.50*

1913.

2023-12-30 time: 13:34:19.27 UTC ML= 1.8
 lat: 48.071N lon: 19.929E h= 13.8 km
 erh= 2.1km erz= 1.7km
 nr= 9 gap=113 rms=0.34
 Locality: Bárna
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	17.2	189	PgU	13:34:23.51	0.31
			Sg	34:26.02	-0.25
PENC	57.6	237	Pg	13:34:29.99	0.15
			Sg	34:37.51	-0.58
KECS	61.7	42	Pg	13:34:30.87	0.32
			Sg	34:38.86	-0.49
ABAH	100.6	76	P*	13:34:37.16	0.14
			S*	34:50.14	-0.74
LANS	124.8	344	Sn	13:34:56.34	0.00

1914.

2023-12-31 time: 19:21:52.61 UTC ML= 2.0
 lat: 45.825N lon: 17.866E h= 8.1 km
 erh= 2.2km erz= 1.8km
 nr= 23 gap=127 rms=0.52
 Locality: Sósvertike
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	30.8	77	Pg	19:21:58.61	0.31
			Sg	22:02.64	-0.10
KOVH	34.4	32	PgD	19:21:59.16	0.23
			Sg	22:04.45	0.60
PKSM	73.9	54	PgD	19:22:05.52	-0.36
			Sg	22:15.56	-0.67
MORH	74.3	54	PgD	19:22:05.58	-0.38
			Sg	22:15.68	-0.69
PKS9	90.5	21	Pg	19:22:08.69	-0.14
			Sg	22:21.03	-0.46
PKB4	93.9	37	Pg	19:22:09.64	0.20
			Sg	22:22.52	-0.05
PKB5	108.8	38	Pg	19:22:12.34	0.25
BEHE	110.6	310	Sn	19:22:26.75	-1.09
TIH	119.5	1	Pn	19:22:13.77	0.26
			Sn	22:29.25	-0.56
PKB3	122.4	57	Pn	19:22:14.68	0.81
PKS2	127.8	55	Pn	19:22:15.38	0.84
PKB1	128.3	34	Pn	19:22:15.14	0.53
			Sn	22:31.40	-0.37
BLY	131.0	204	Pn	19:22:14.07	-0.88
			Sn	22:29.24	-3.13*
KOGS	142.8	299	Pn	19:22:16.95	0.54

Földrengés paraméterek

Sn 22:34.28 -0.69

1915.

2023-12-31 time: 20:07:43.75 UTC ML= 1.5
 lat: 45.777N lon: 17.892E h= 12.2 km
 erh= 5.2km erz= 2.8km
 nr= 9 gap=319 rms=0.46

Locality: Croatia
 Comments:

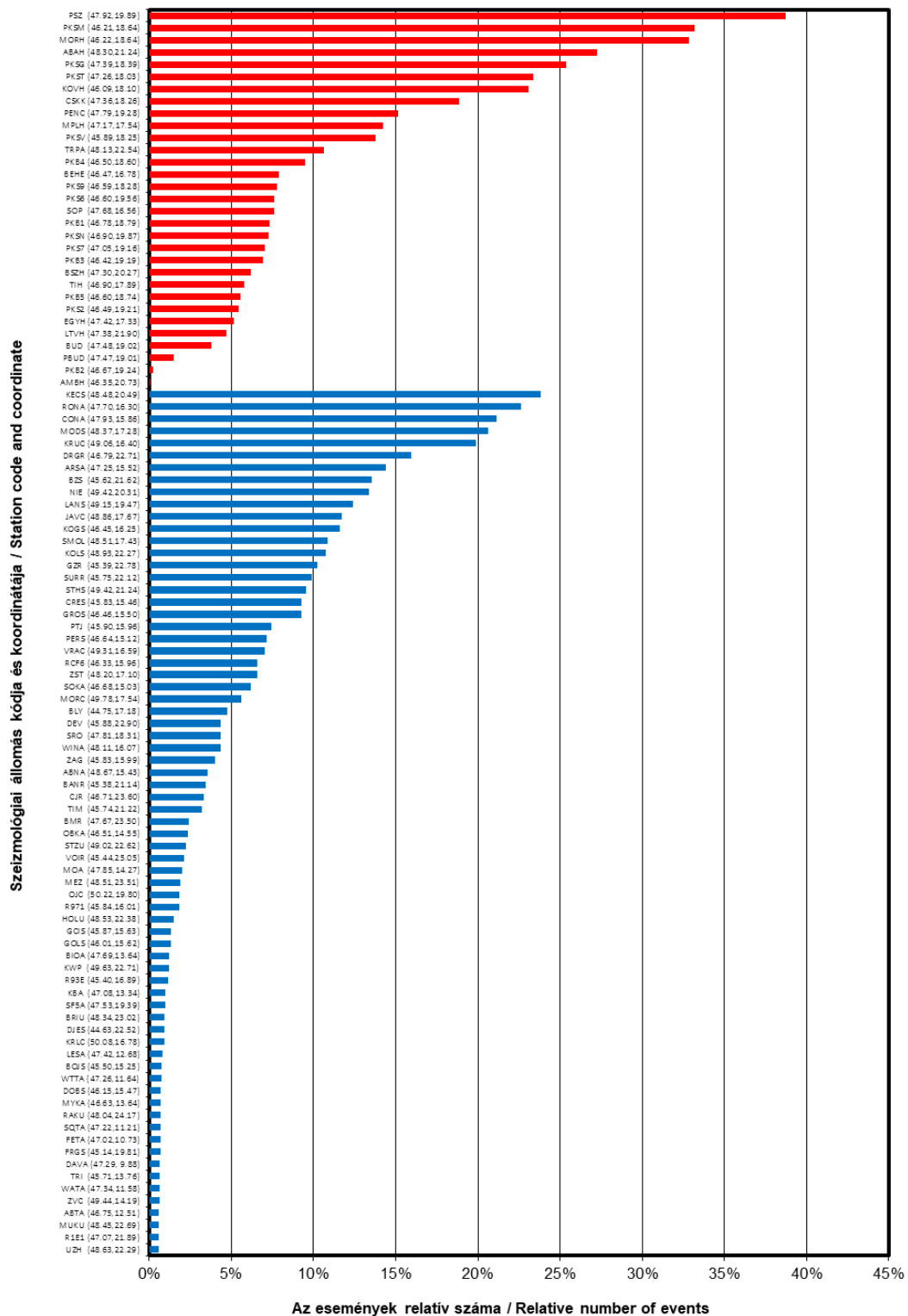
sta	dist	azm	phase	hr mn sec	res
PKSV	30.6	66	Sg	20:07:55.13	0.90
KOVH	38.1	25	PgD	20:07:51.01	0.11
			Sg	07:56.39	-0.09
PKSM	75.5	50	PgD	20:07:57.25	-0.16
			Sg	08:07.49	-0.58
MORH	76.0	50	Pg	20:07:57.32	-0.17
			Sg	08:07.33	-0.88
PKB4	97.0	35	P*	20:08:01.27	0.16
			S*	08:15.70	1.05

1916.

2023-12-31 time: 20:43:12.94 UTC ML= 1.0
 lat: 47.895N lon: 16.406E h= 15.3 km
 erh= 2.6km erz= 2.3km
 nr= 7 gap=155 rms=0.35

Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	23.2	201	Pg	20:43:17.91	0.00
			Sg	43:21.88	0.09
SOP	26.1	154	Sg	20:43:22.44	-0.13
WINA	34.3	314	Sg	20:43:24.30	-0.58
CONA	40.9	275	Pg	20:43:20.62	-0.12
			Sg	43:27.86	1.04
KRUC	129.8	360	Sn	20:43:51.06	0.28



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 2023-BAN ($M \geq 3.0$ és/vagy Magyarországon érezhető földrengések)

2023. január 5.	–	Horvátország
2023. február 14.	–	Románia
2023. március 30.	–	Ausztria
2023. május 22.	–	Románia
2023. június 6.	–	Románia
2023. augusztus 19.	–	Örménykút
2023. augusztus 19.	–	Csabacsúd
2023. augusztus 19.	–	Hunya
2023. augusztus 19.	–	Csabacsúd
2023. augusztus 19.	–	Örménykút
2023. augusztus 19.	–	Csabacsúd
2023. augusztus 19.	–	Örménykút
2023. augusztus 19.	–	Örménykút
2023. augusztus 20.	–	Csabacsúd
2023. augusztus 20.	–	Csabacsúd
2023. augusztus 22.	–	Várda
2023. augusztus 22.	–	Örménykút
2023. szeptember 8.	–	Csabacsúd
2023. október 9.	–	Szlovákia
2023. október 16.	–	Borsosgyőr
2023. november 14.	–	Bélapátfalva
2023. december 30.	–	Bosznia

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 (V_{s30}).

(Lásd *A Melléklet*)

4.

SIGNIFICANT EARTHQUAKES IN 2023 ($M \geq 3.0$ and/or earthquakes felt in Hungary)

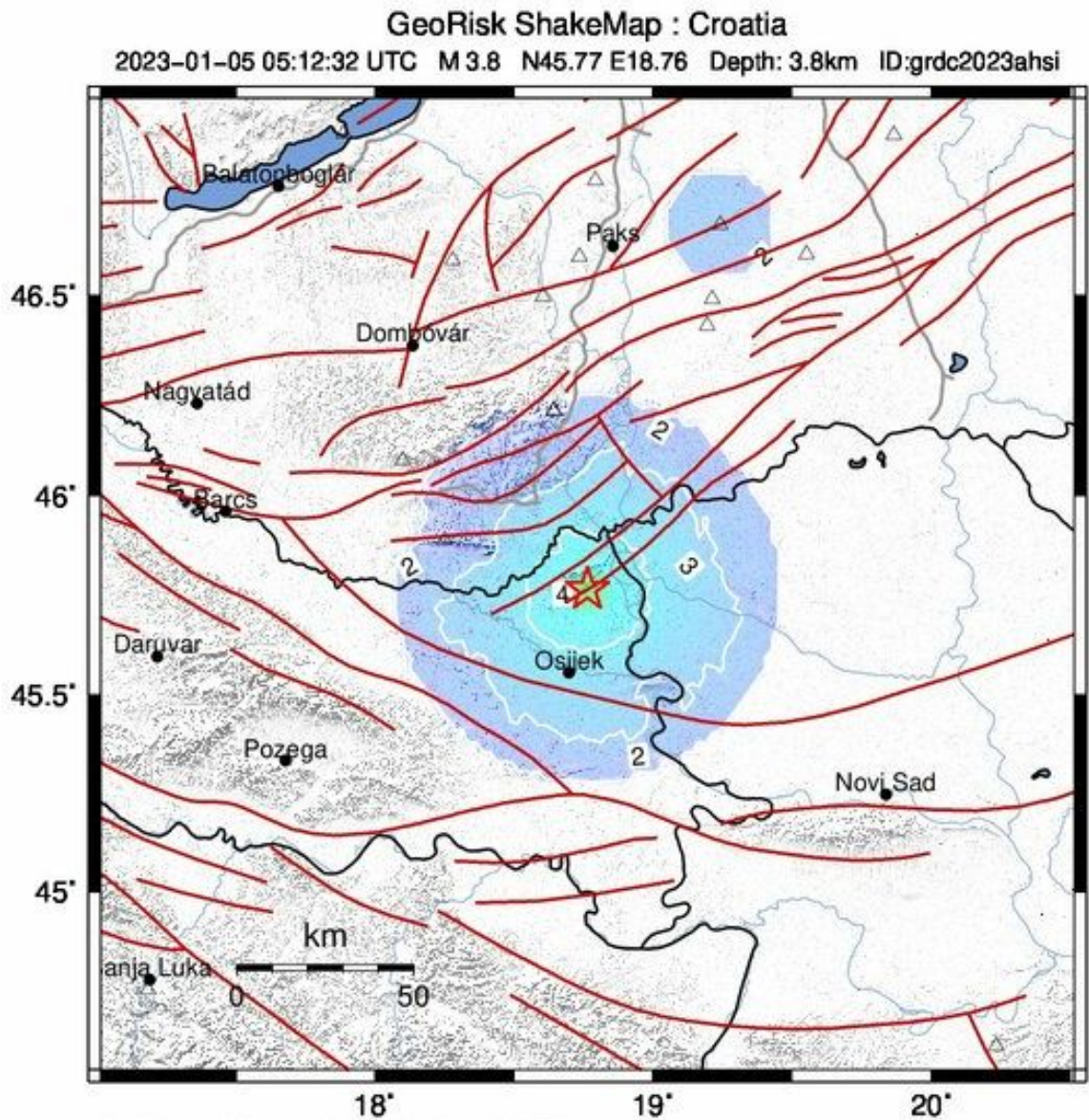
5 January 2023	–	Croatia
14 February 2023	–	Romania
30 March 2023	–	Austria
22 May 2023	–	Romania
6 June 2023	–	Romania
19 August 2023	–	Örménykút
19 August 2023	–	Csabacsúd
19 August 2023	–	Hunya
19 August 2023	–	Csabacsúd
19 August 2023	–	Örménykút
19 August 2023	–	Csabacsúd
19 August 2023	–	Örménykút
19 August 2023	–	Örménykút
20 August 2023	–	Csabacsúd
20 August 2023	–	Csabacsúd
22 August 2023	–	Várda
22 August 2023	–	Örménykút
8 September 2023	–	Csabacsúd
9 October 2023	–	Slovakia
16 October 2023	–	Borsosgyőr
14 November 2023	–	Bélapátfalva
30 December 2023	–	Bosnia

METHOD USED FOR ESTIMATION OF INTENSITY

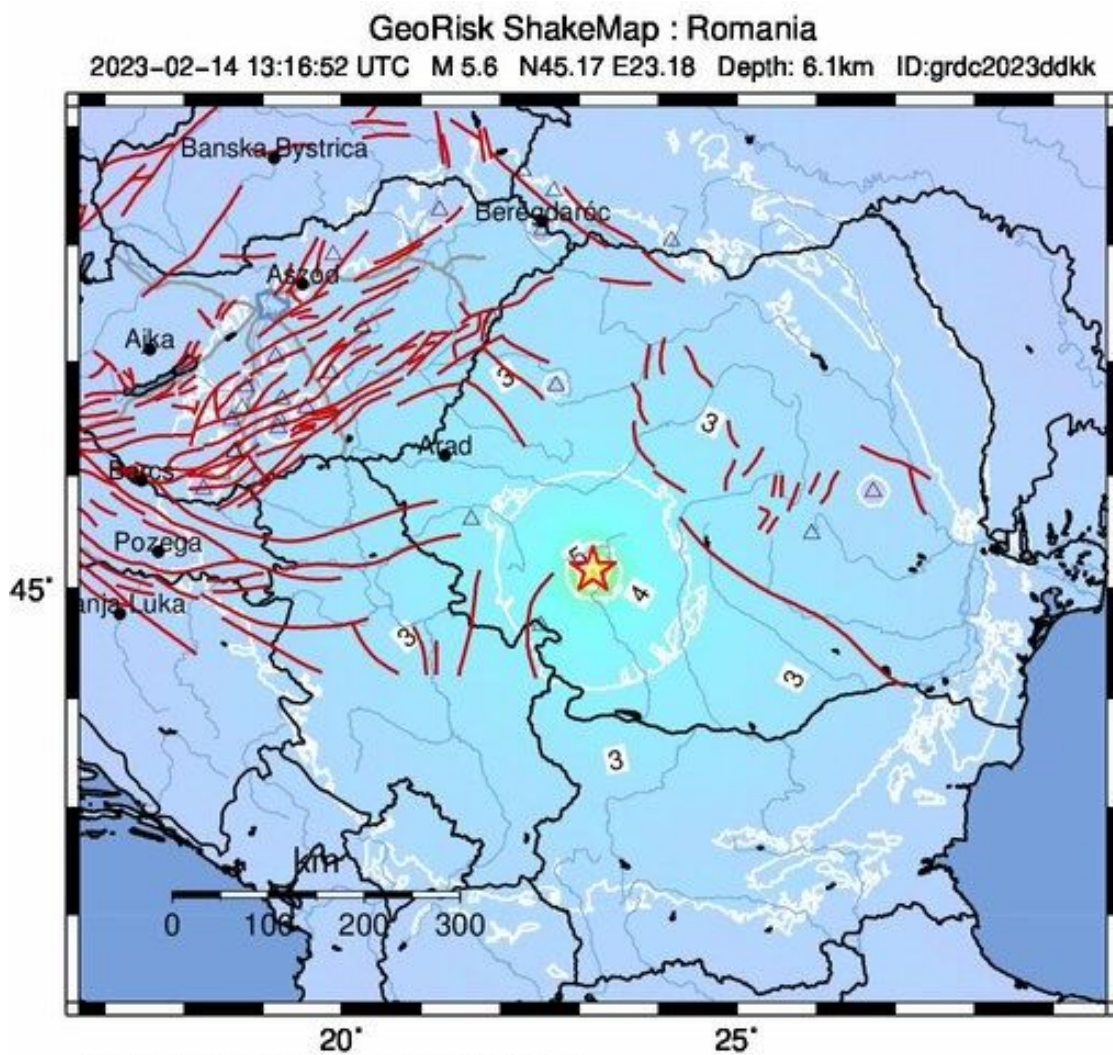
Intensity distribution of earthquakes felt in Hungary has been calculated by ShakeMap program. The assigned felt intensities correspond to the *European Macroseismic Scale 1998 (EMS)* edited by Grünthal (1998).

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 (Vs30).

(See *Appendix A*)



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 ²)	< 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+

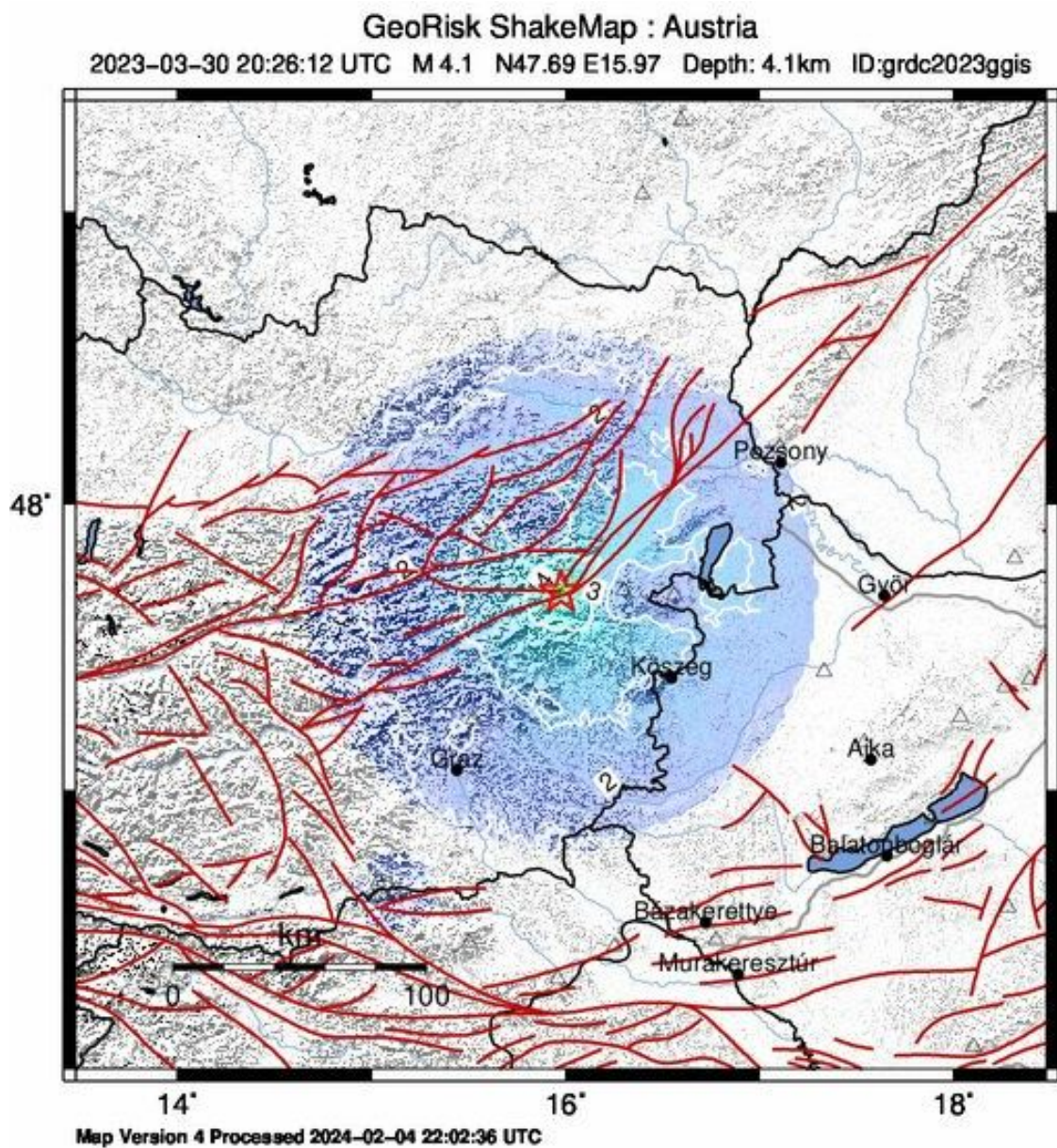


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ÉREZTHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s²)	< 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+

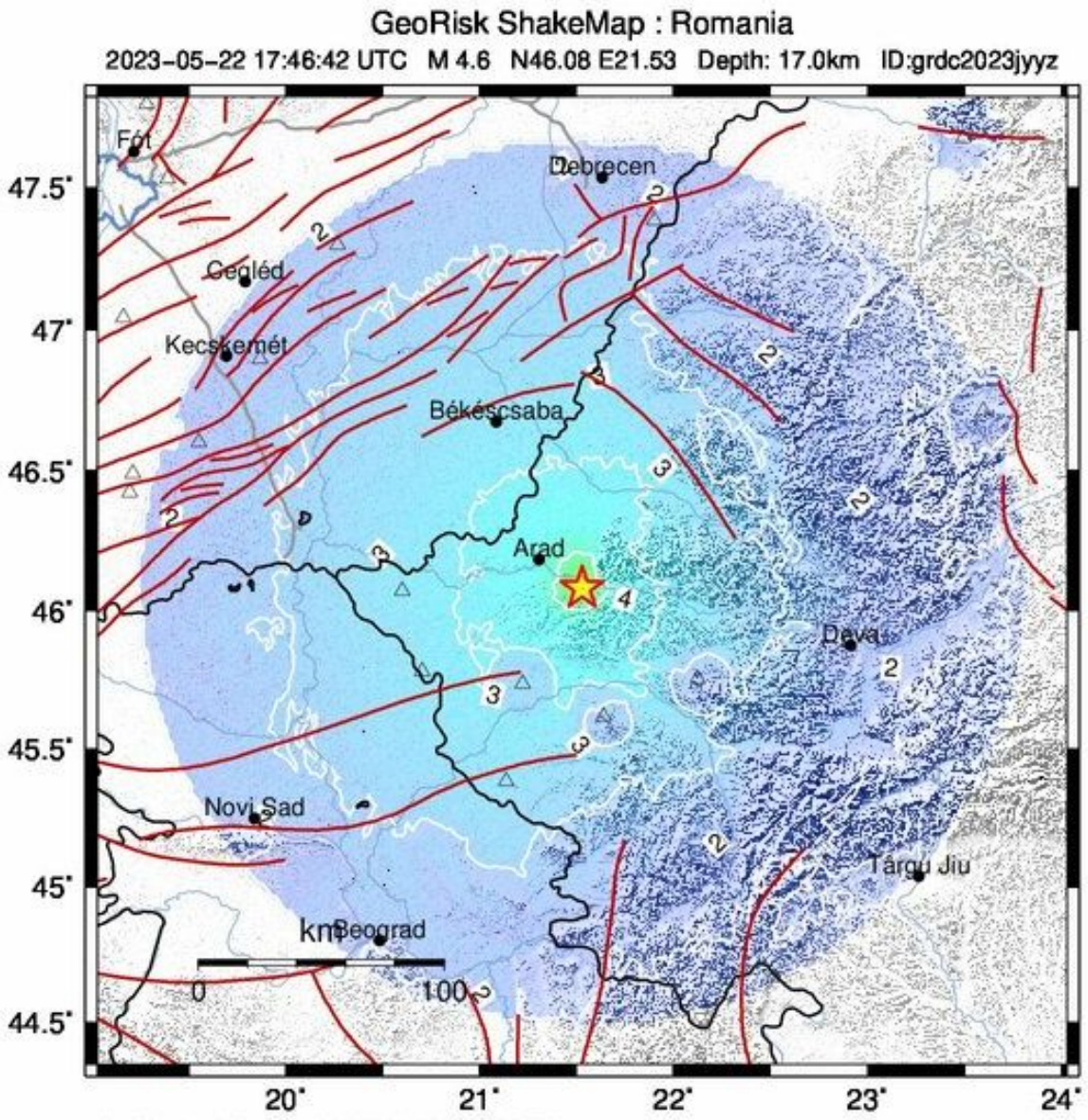
A földrengés epicentruma kívül esik az évkönyv földrajzi ablakán, de Magyarországon is érezhető volt.

The epicenter of the earthquake is outside the geographical window of the bulletin, but it was also felt in Hungary.



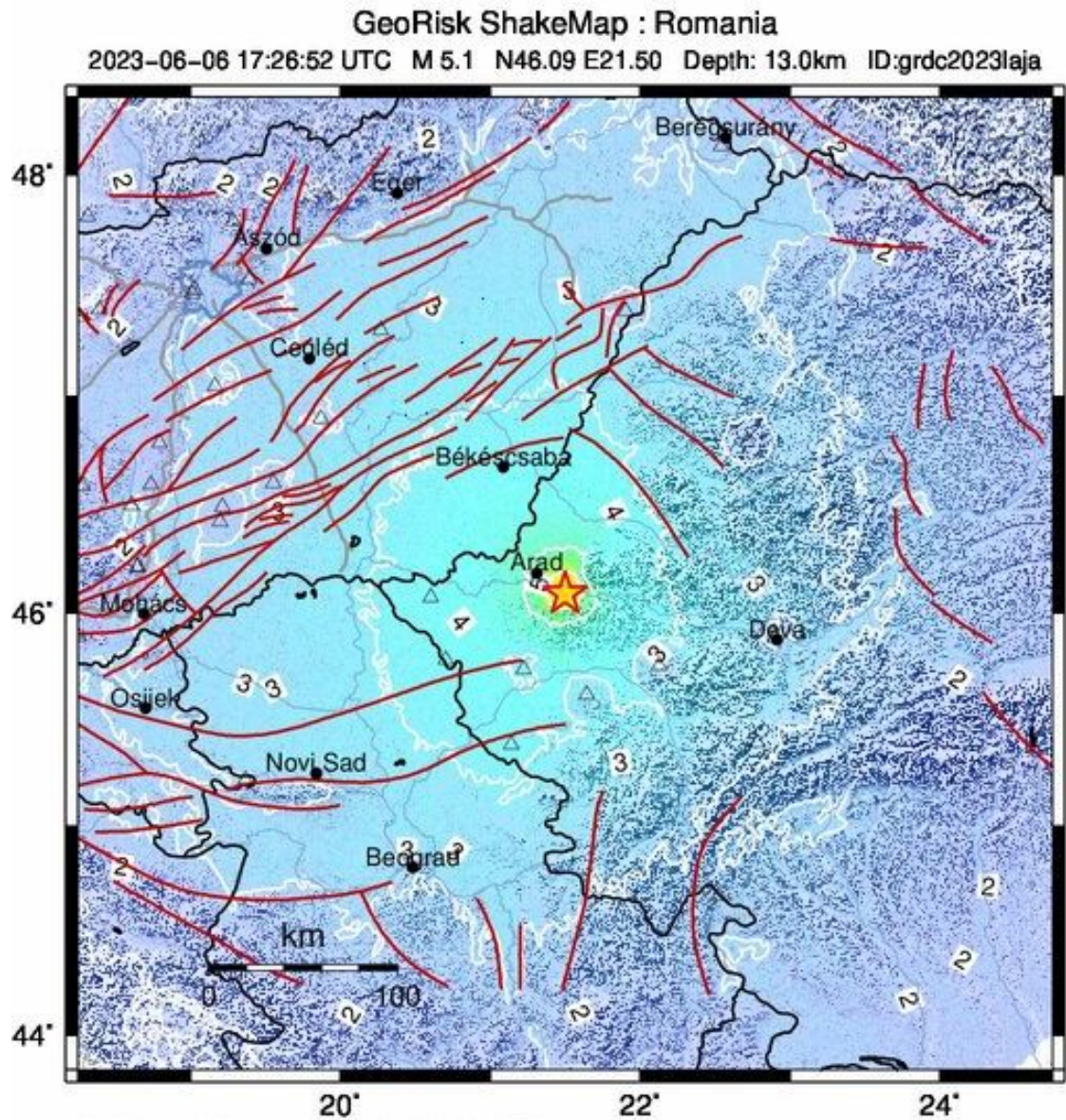
ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s²)	< 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+

A földrengés epicentruma kívül esik az évkönyv földrajzi ablakán, de Magyarországon is érezhető volt.
 The epicenter of the earthquake is outside the geographical window of the bulletin, but it was also felt in Hungary.



Map Version 3 Processed 2024-02-04 19:23:25 UTC

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/s²)	< 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+

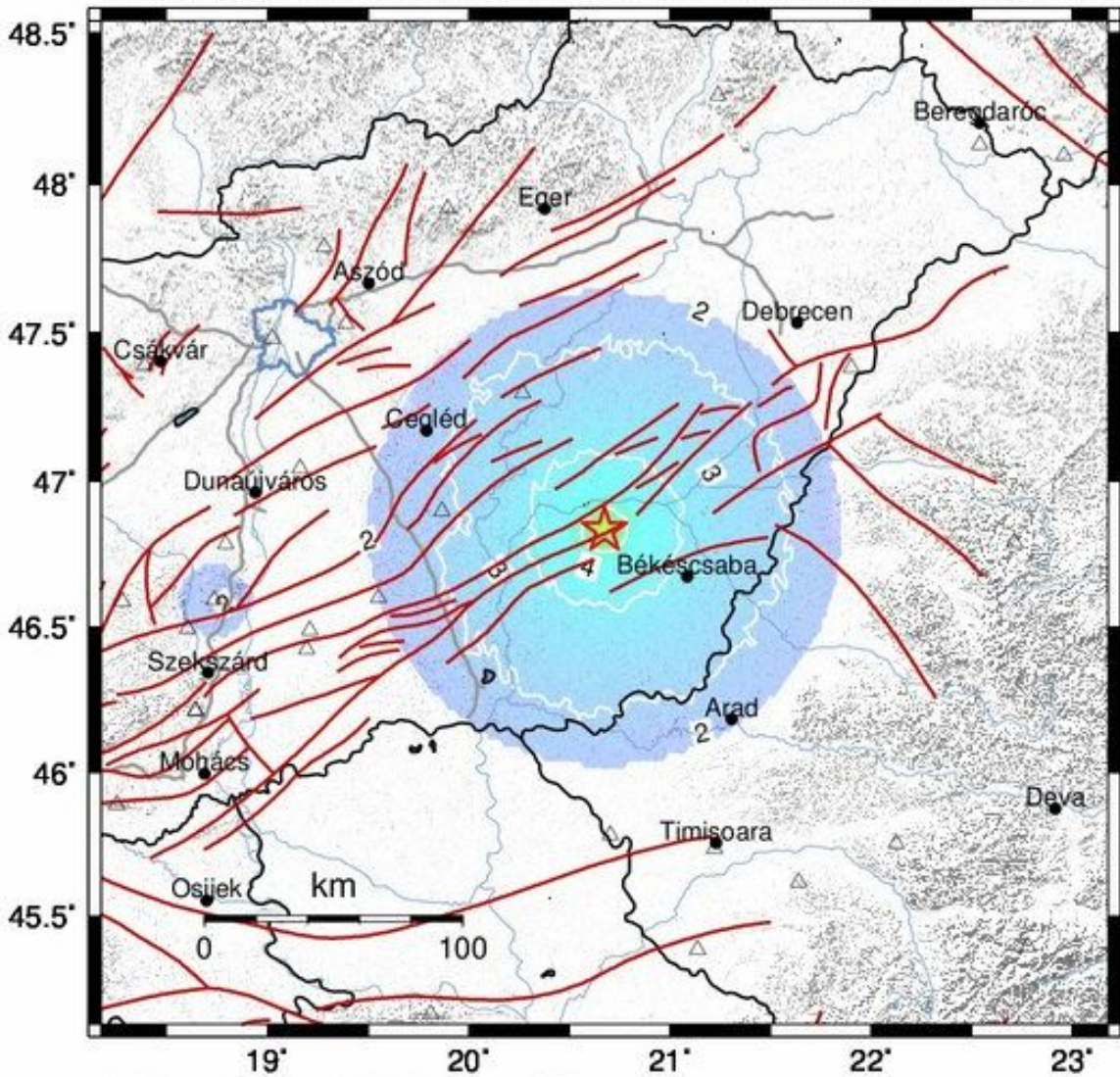


Map Version 3 Processed 2024-02-04 19:30:55 UTC

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/s²)	< 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+

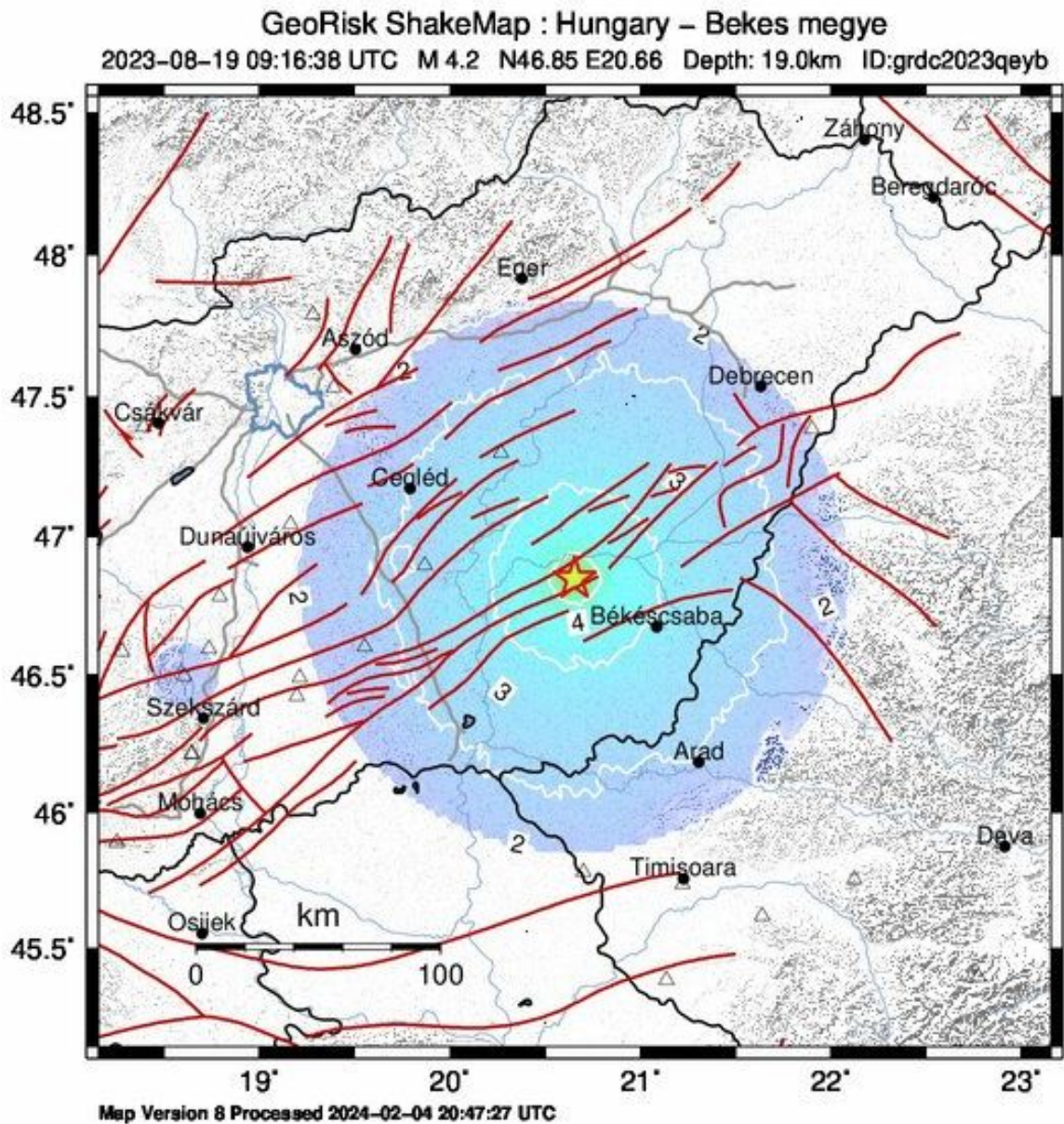
GeoRisk ShakeMap : Hungary – Bekes megye

2023-08-19 09:13:27 UTC M 4.0 N46.83 E20.68 Depth: 16.0km ID:grdc2023qexz



Map Version 8 Processed 2024-02-04 19:44:12 UTC

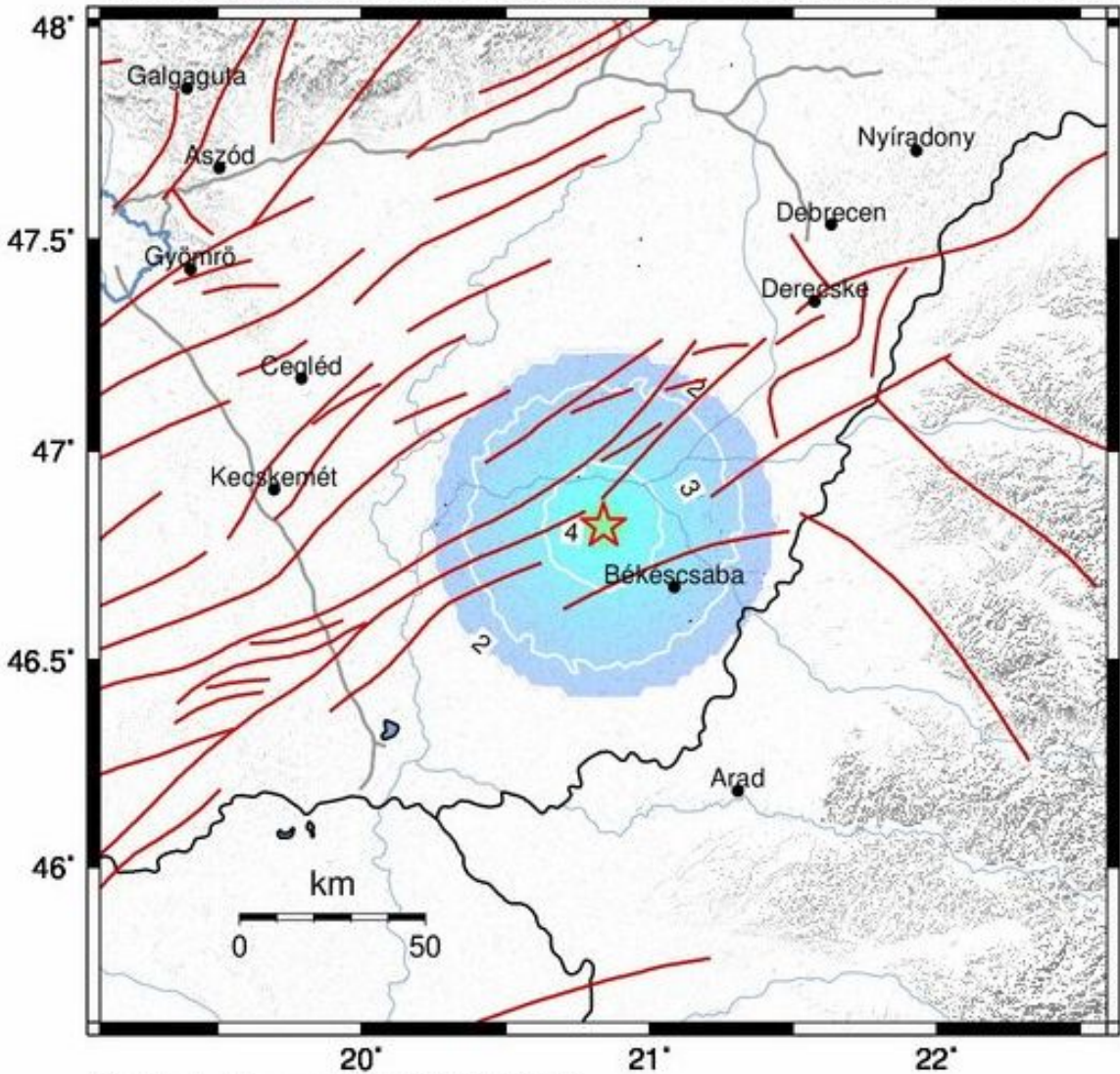
ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s ²)	< 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+



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/s²)	< 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+

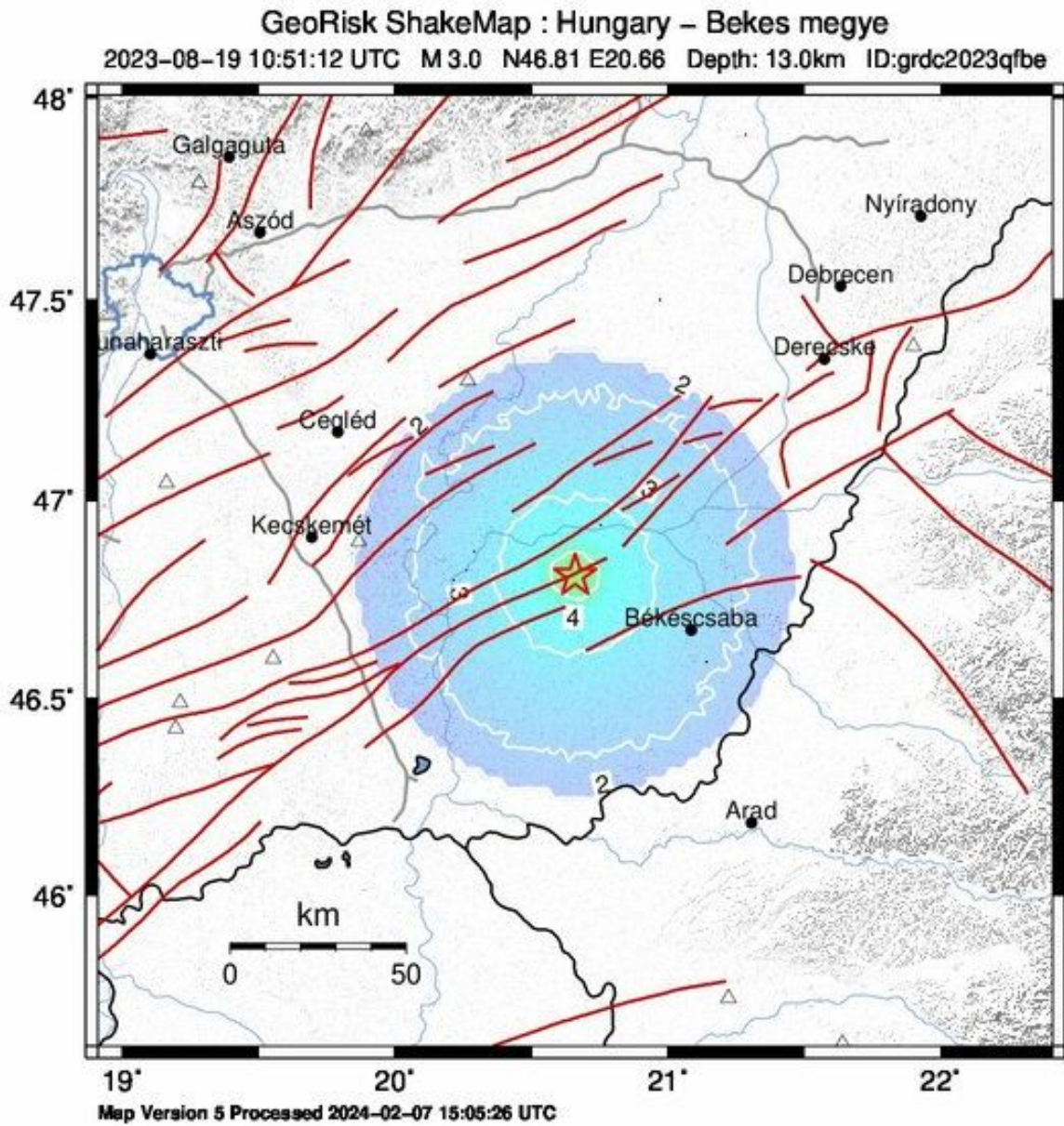
GeoRisk ShakeMap : Hungary – Bekes megye

2023-08-19 09:17:50 UTC M 3.4 N46.82 E20.84 Depth: 12.0km ID:grdc2023qeyc

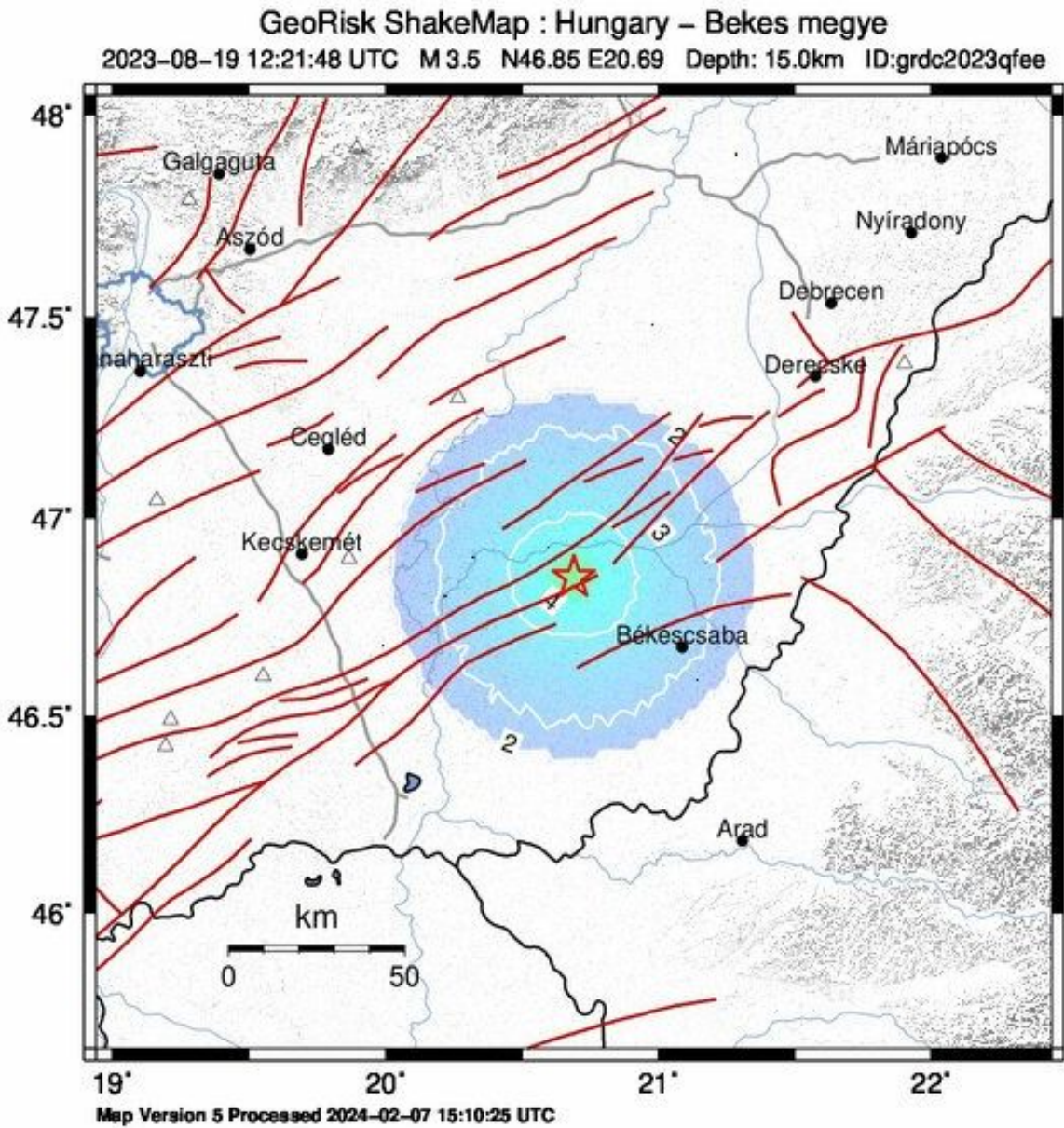


Map Version 4 Processed 2024-02-07 14:55:46 UTC

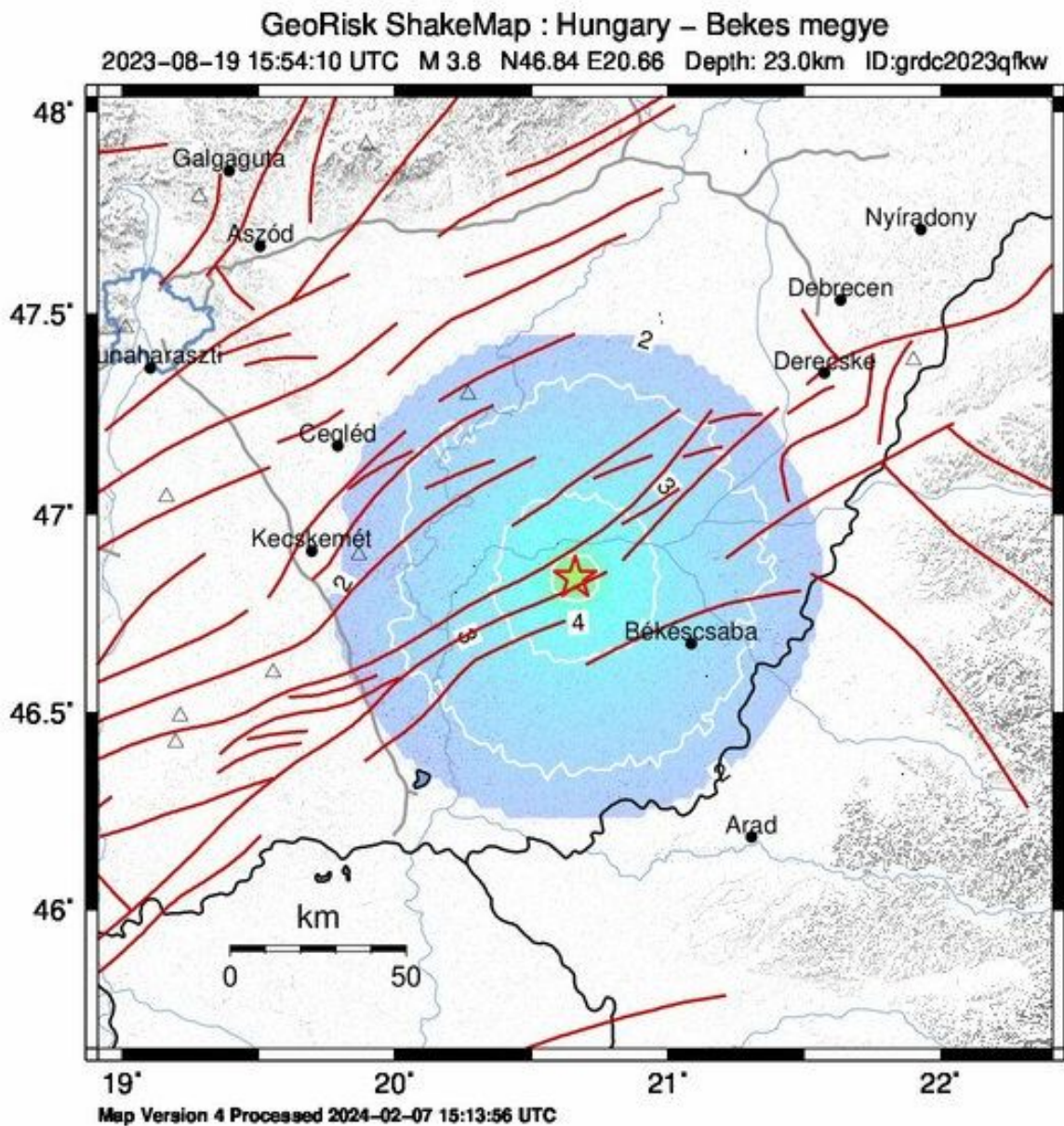
ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s ²)	< 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+



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 ²)	< 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+



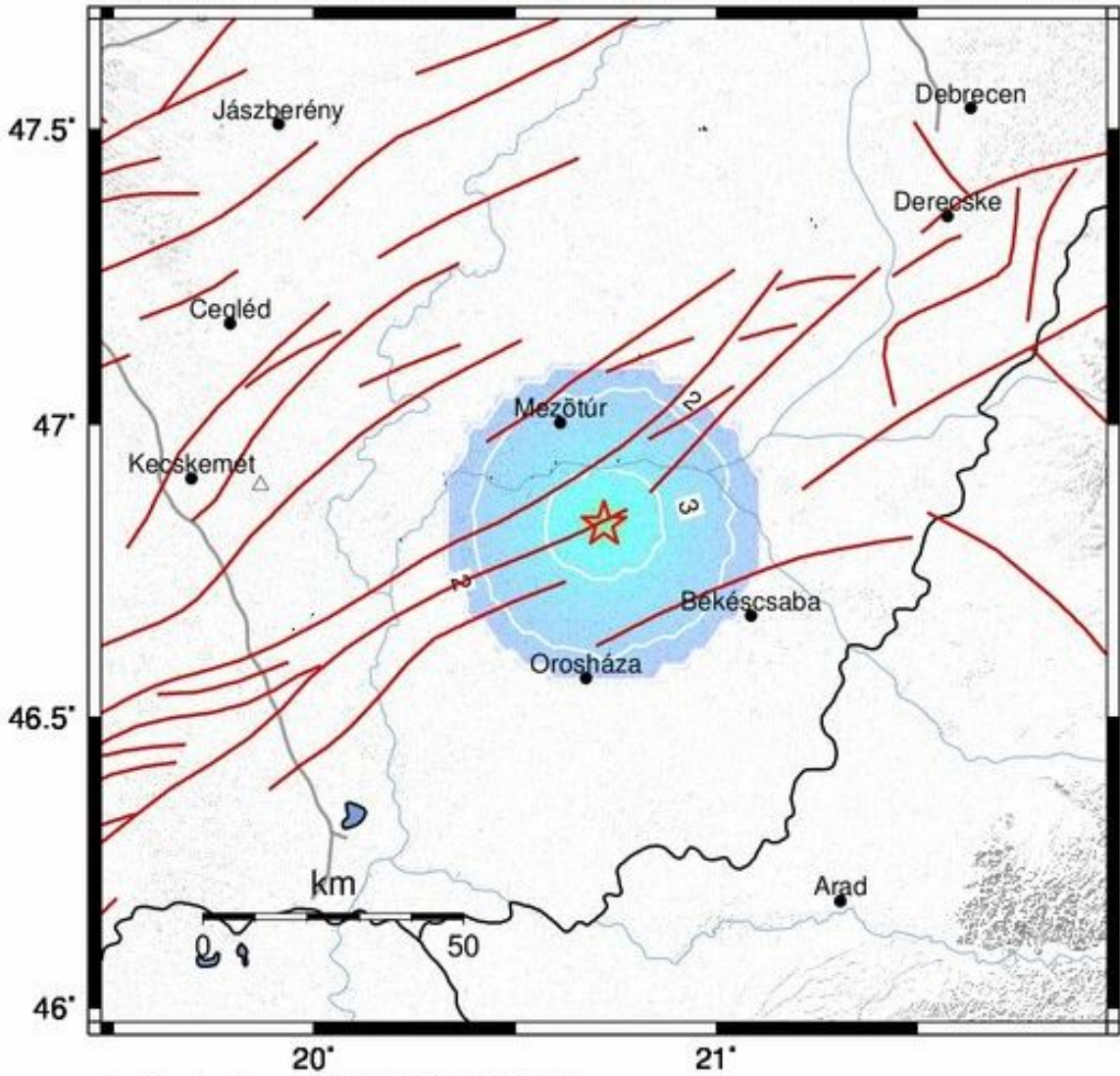
ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s ²)	< 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+



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 ²)	< 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+

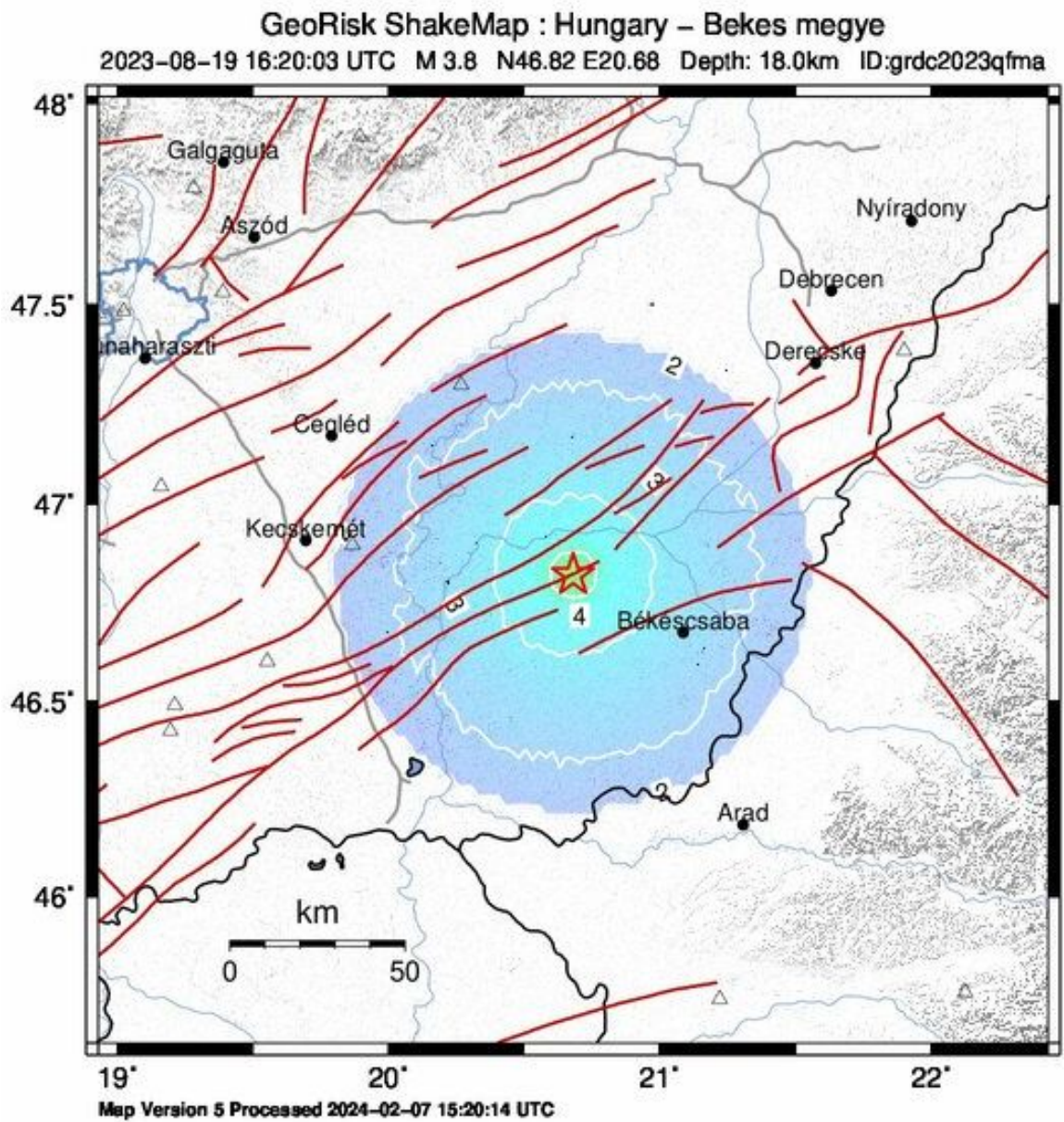
GeoRisk ShakeMap : Hungary – Bekes megye

2023-08-19 15:56:08 UTC M 3.0 N46.83 E20.72 Depth: 13.0km ID:grdc2023qflg



Map Version 5 Processed 2024-02-07 15:17:11 UTC

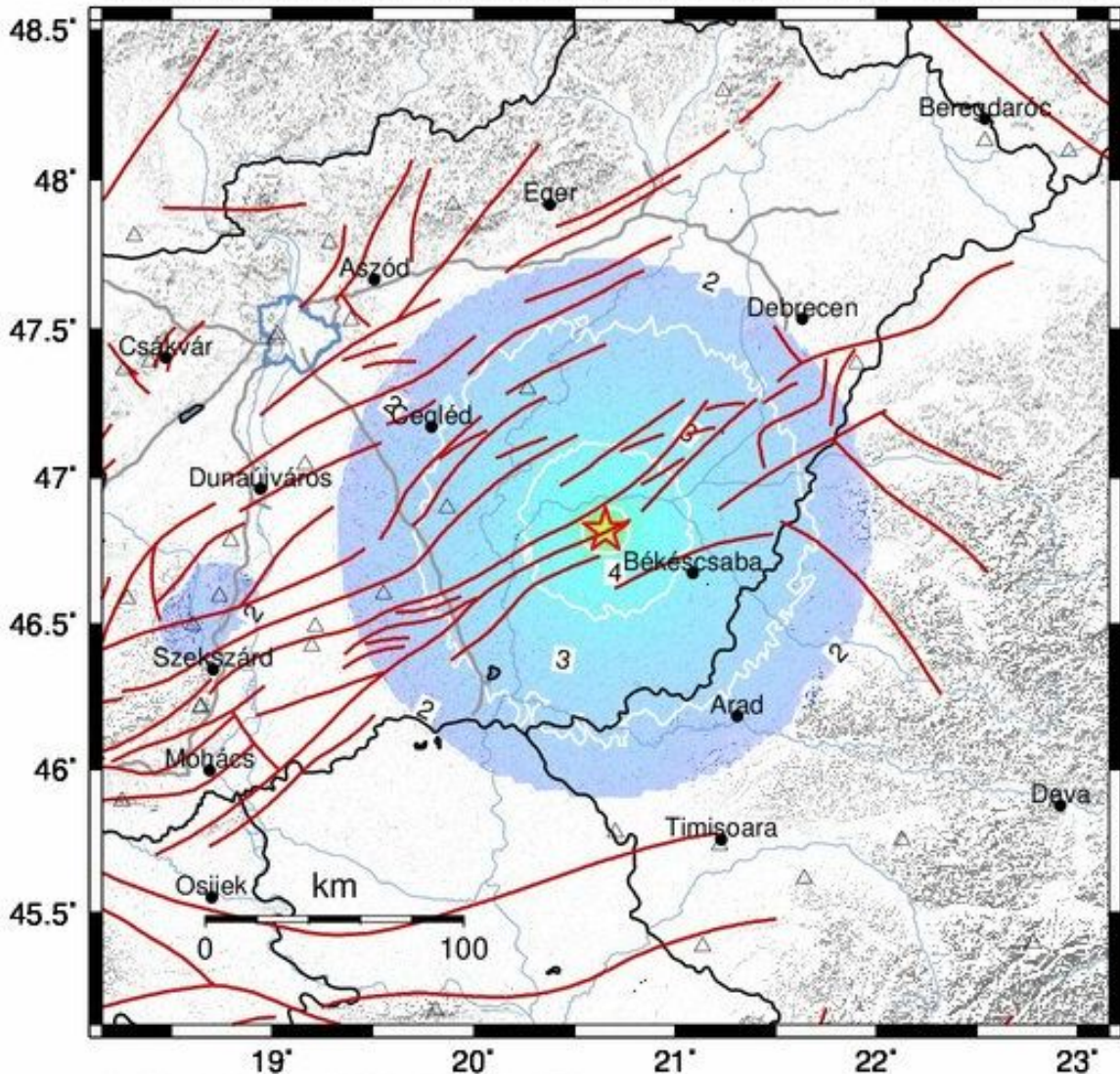
ÉRZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s ²)	< 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+



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 ²)	< 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+

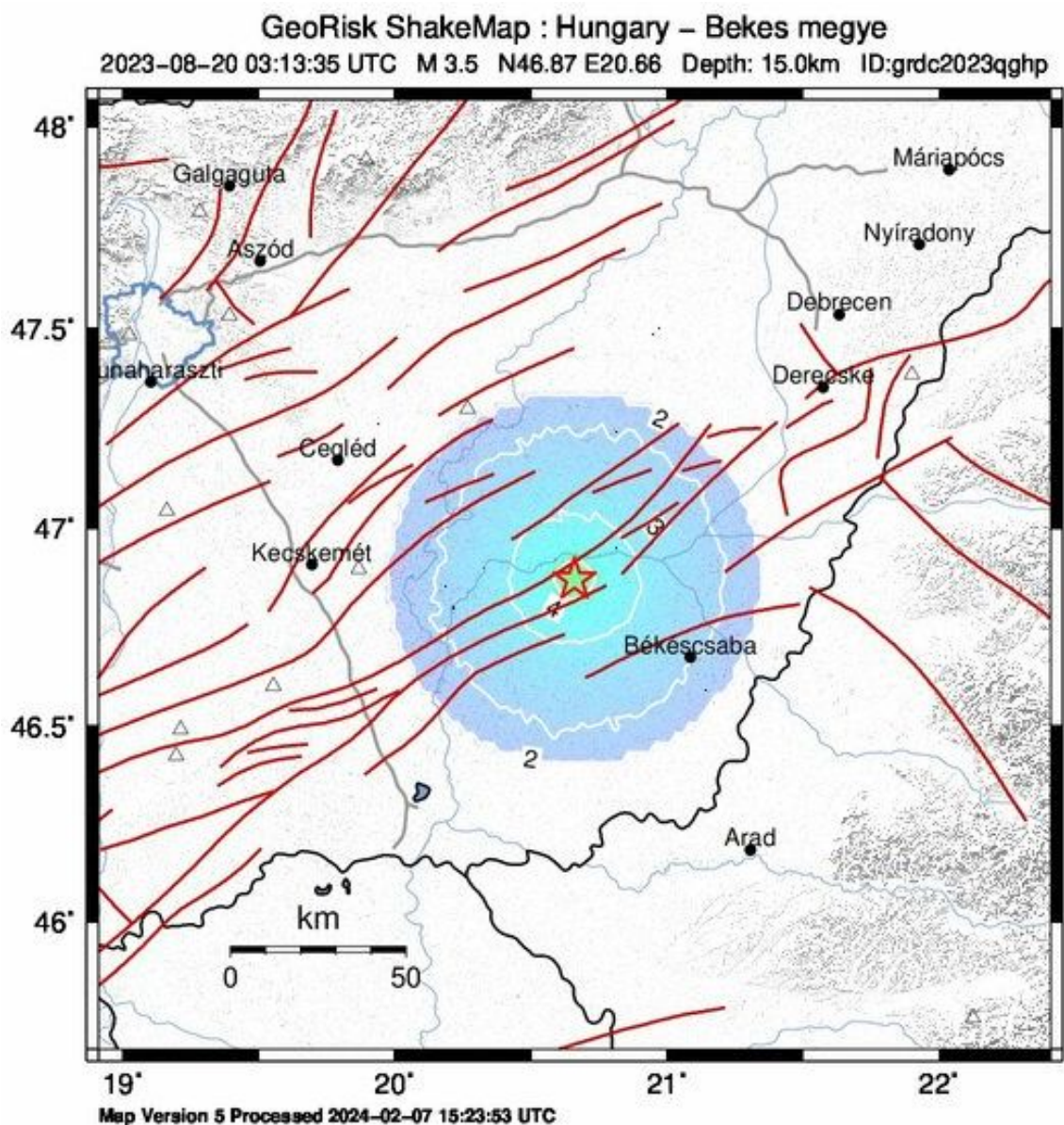
GeoRisk ShakeMap : Hungary – Bekes megye

2023-08-20 01:52:58 UTC M 4.2 N46.82 E20.65 Depth: 16.9km ID:grdc2023qgey



Map Version 6 Processed 2023-10-26 19:59:46 UTC

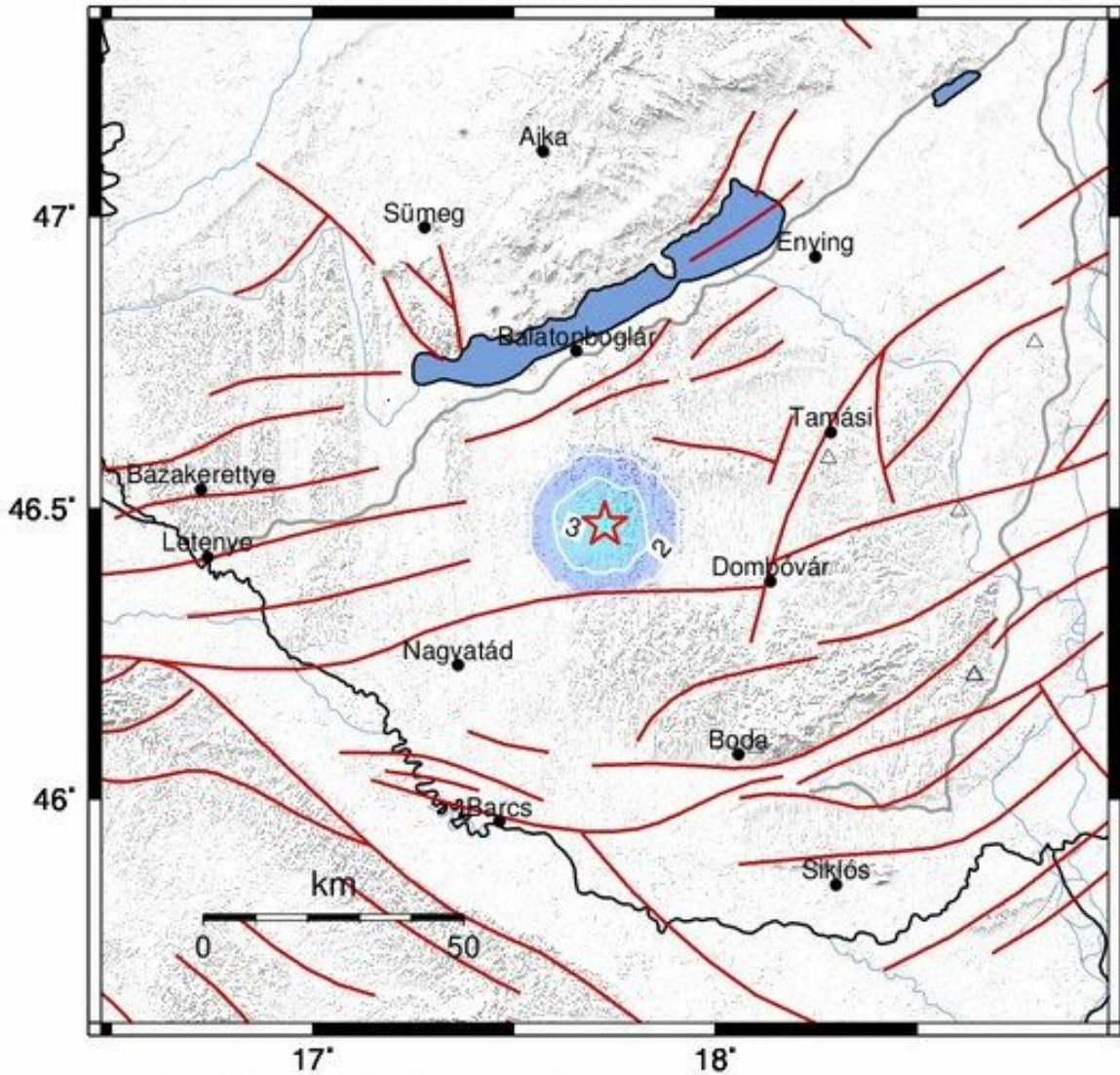
ÉREZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s ²)	< 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+



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 ²)	< 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+

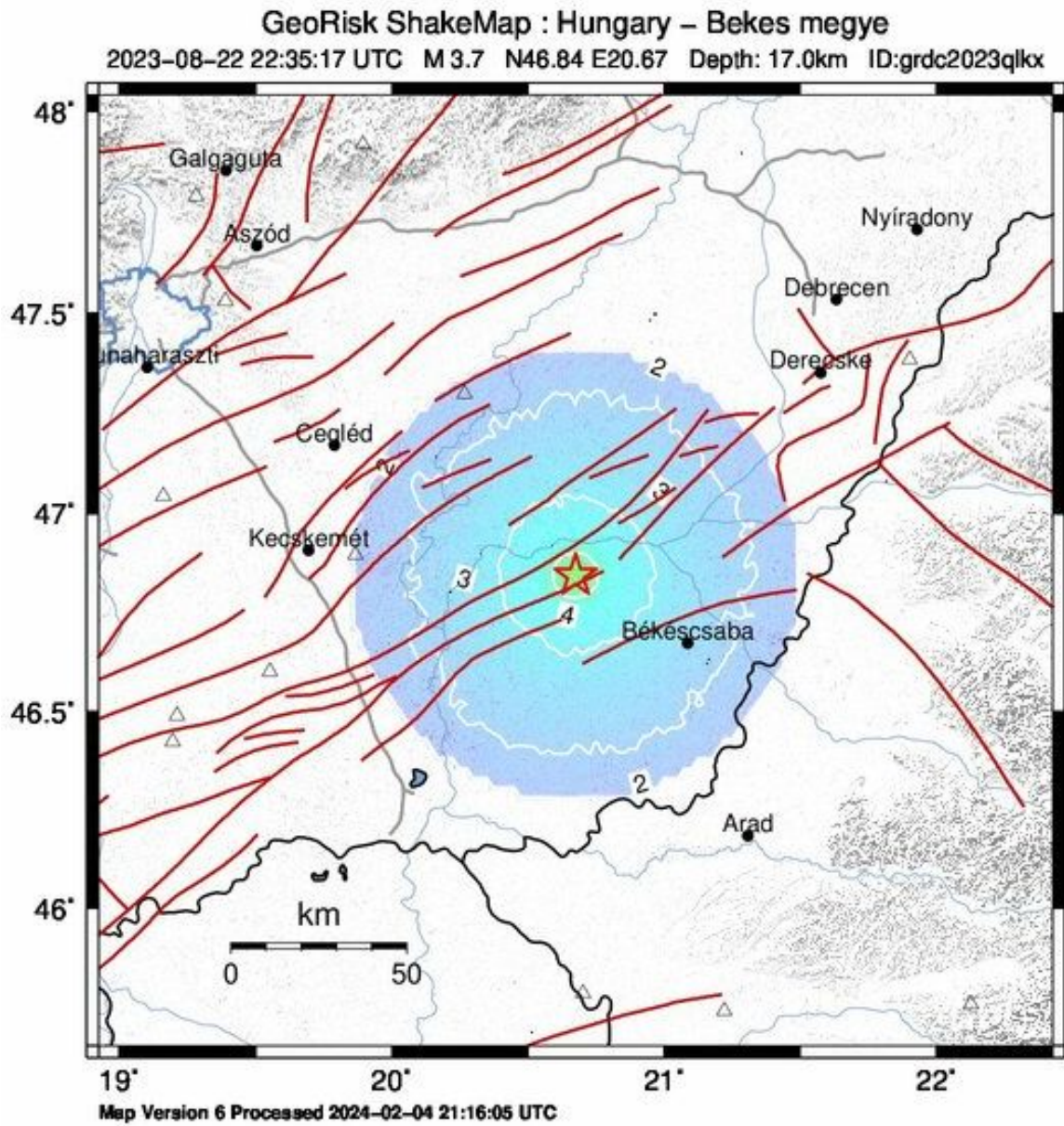
GeoRisk ShakeMap : Hungary – Somogy megye

2023-08-22 05:47:13 UTC M 2.2 N46.47 E17.72 Depth: 13.0km ID:grdc2023qkdr

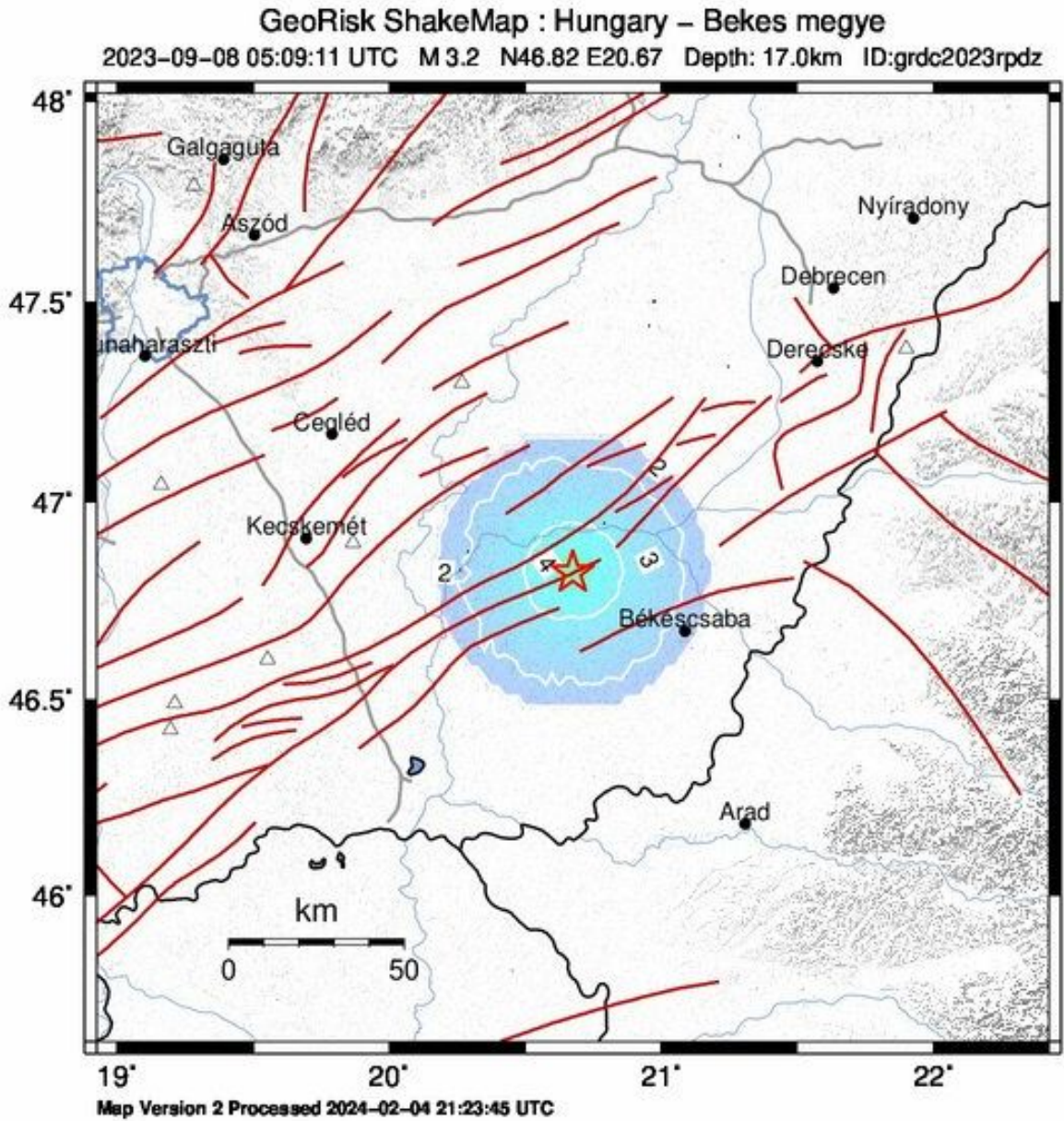


Map Version 3 Processed 2024-02-04 21:06:10 UTC

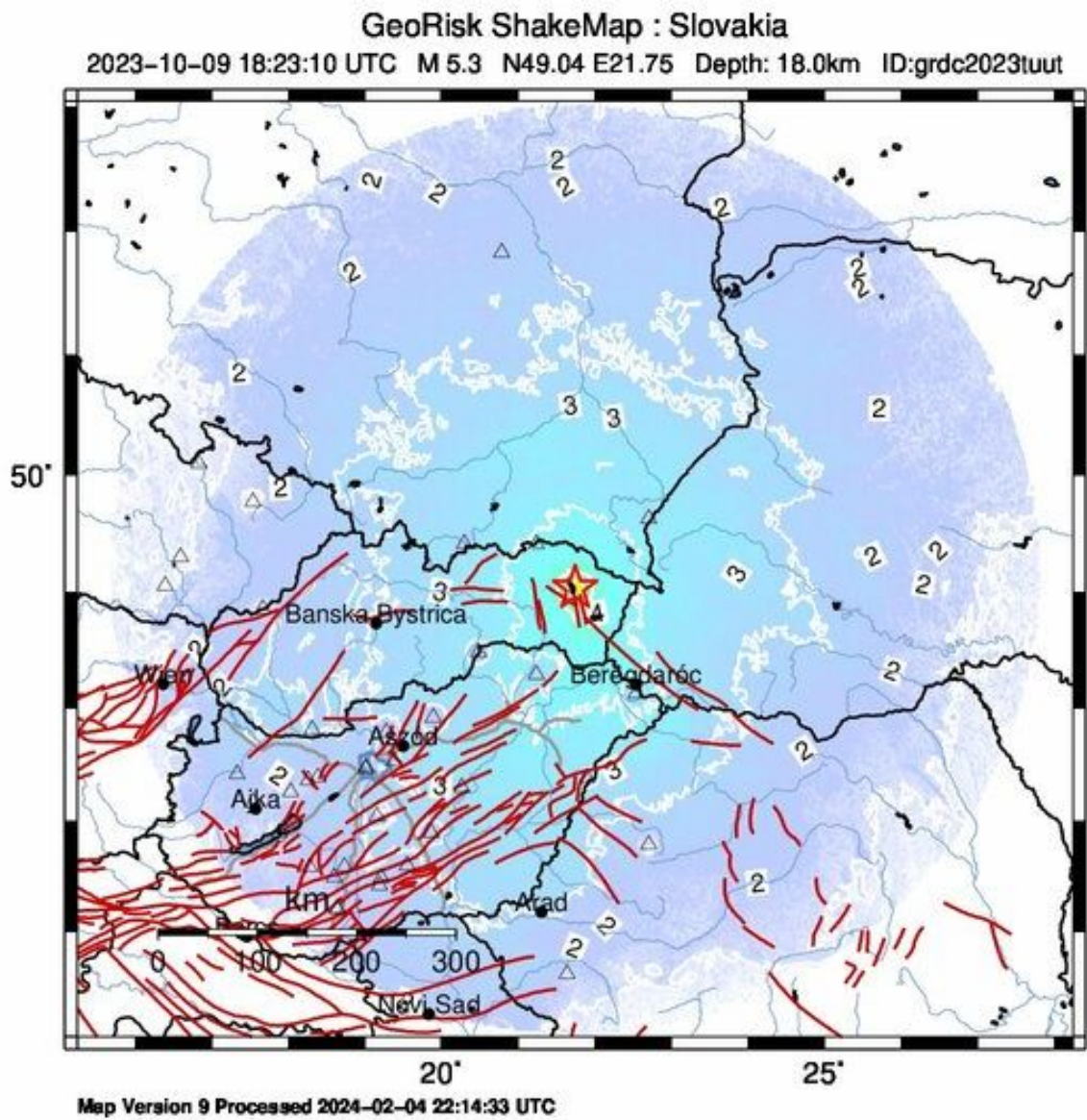
ÉRZETHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s ²)	< 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+



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 ²)	< 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+



ÉRZHEZŐSÉG 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 ²)	< 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+

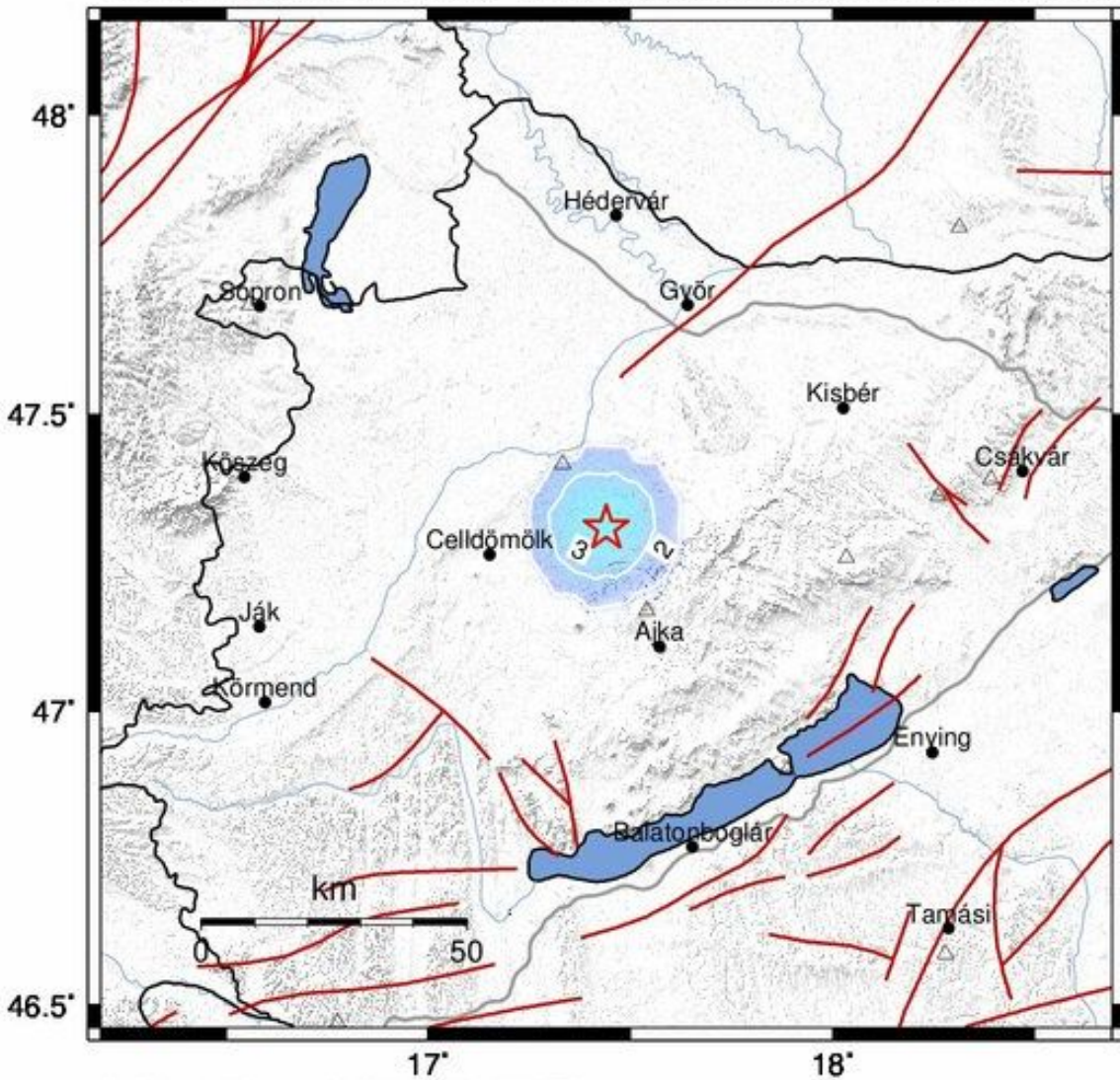


ÉRÉZHETŐSÉG SHAKING	nem érezhető not felt	gyenge weak	enyhe light	mérsékelt moderate	erős strong	nagyon erős very strong	súlyos severe	nagyon súlyos violent	extrém súlyos extreme
POT. KÁR POT. DAMAGE	nincs none	nincs none	nincs none	nagyon csekély very light	csekély light	mérsékelt moderate	mérsékelt nagy mod. heavy	nagy heavy	nagyon nagy very heavy
GYORSULÁS PEAK ACC. (m/s²)	< 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+

A földrengés epicentruma kívül esik az évkönyv földrajzi ablakán, de Magyarországon is érezhető volt.
 The epicenter of the earthquake is outside the geographical window of the bulletin, but it was also felt in Hungary.

GeoRisk ShakeMap : Hungary – Veszprem megye

2023-10-16 04:23:29 UTC M 2.7 N47.31 E17.44 Depth: 10.0km ID:grdc2023ugno

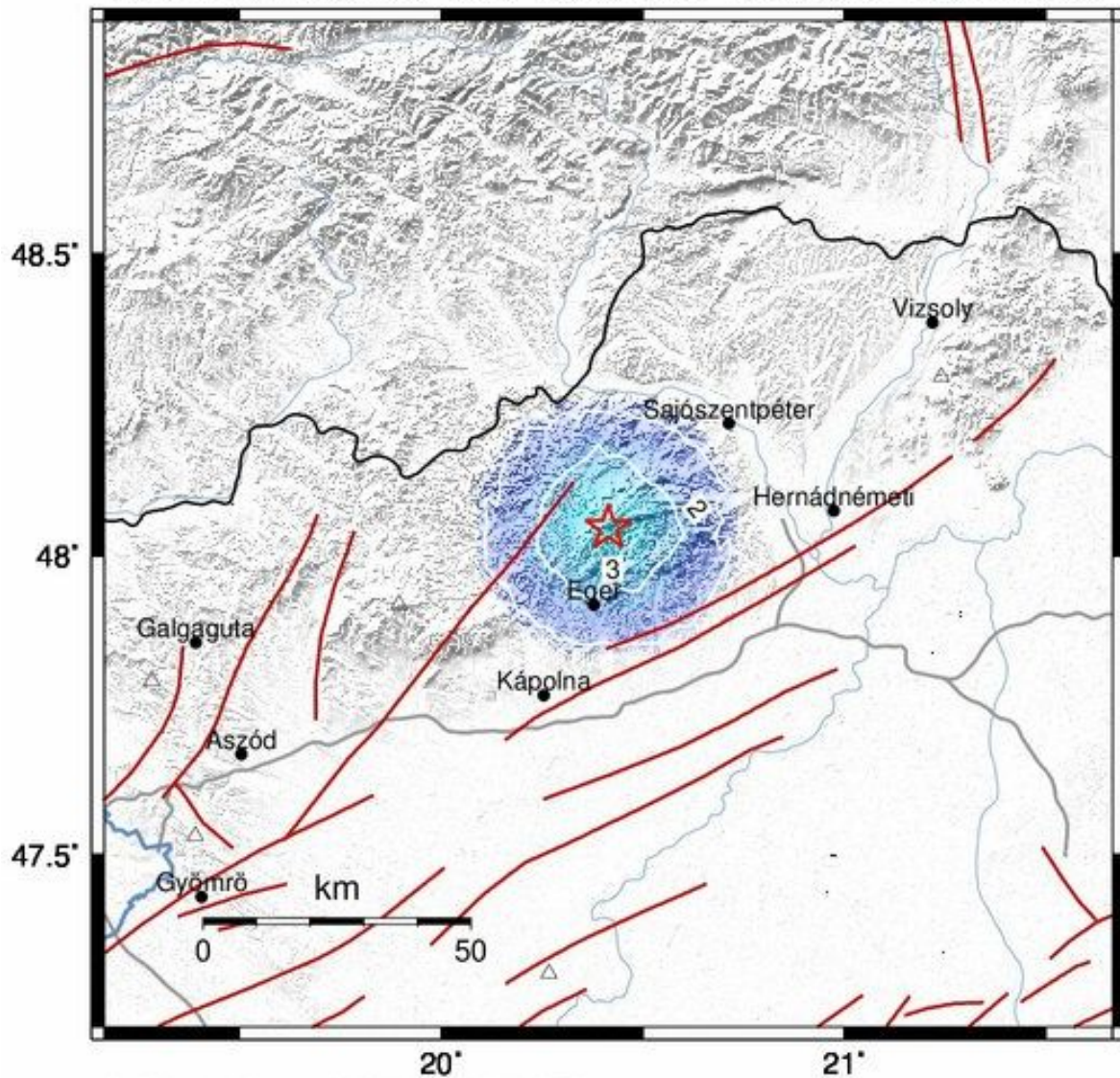


Map Version 5 Processed 2024-02-04 21:31:49 UTC

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 ²)	< 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+

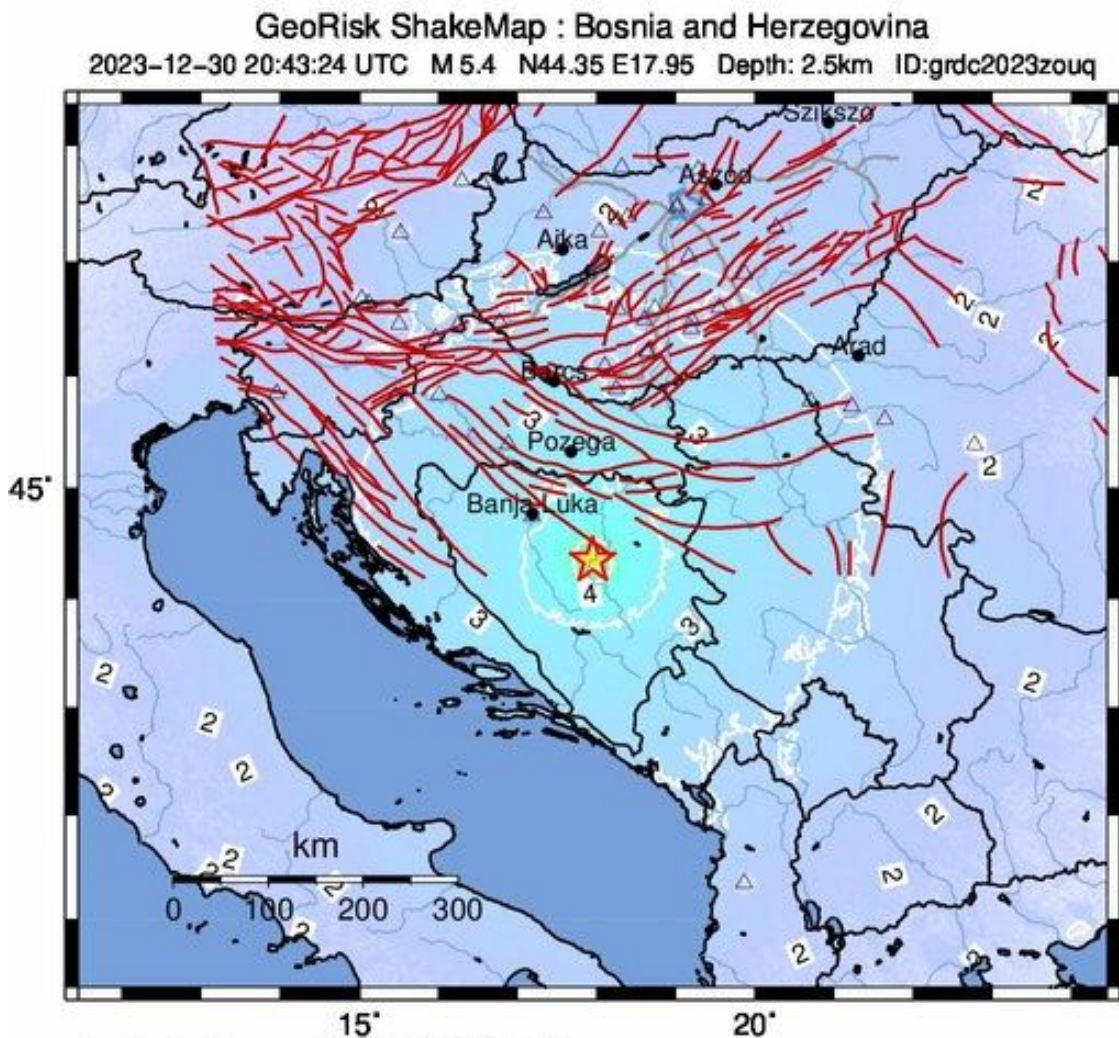
GeoRisk ShakeMap : Hungary – Heves megye

2023-11-14 18:54:37 UTC M 2.7 N48.05 E20.41 Depth: 4.0km ID:grdc2023wipx



Map Version 6 Processed 2024-02-04 21:41:22 UTC

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 ²)	< 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+



Map Version 7 Processed 2023-12-31 11:10:13 UTC

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/s²)	< 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+

A földrengés epicentruma kívül esik az évkönyv földrajzi ablakán, de Magyarországon is érezhető volt.

The epicenter of the earthquake is outside the geographical window of the bulletin, but it was also felt in Hungary.

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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 rezgést 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 rezgést 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 ☞ **Elsőprő**

A legtöbb épület összedől.

12 ☞ **Teljesen elsőprő**

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).

ÉREZHETŐSÉG	nem érezhető	gyenge	enyhe	mérsékelt	erős	nagyon erős	súlyos	nagyon súlyos	különösen súlyos
POTENCIÁLIS KÁR	nincs	nincs	nincs	nagyon csekély	csekély	mérsékelt	mérsékelt nagy	nagy	nagyon nagy
GYORSULÁS (m/s²)	< 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 (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	I	II-III	IV	V	VI	VII	VIII	IX	X+

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)

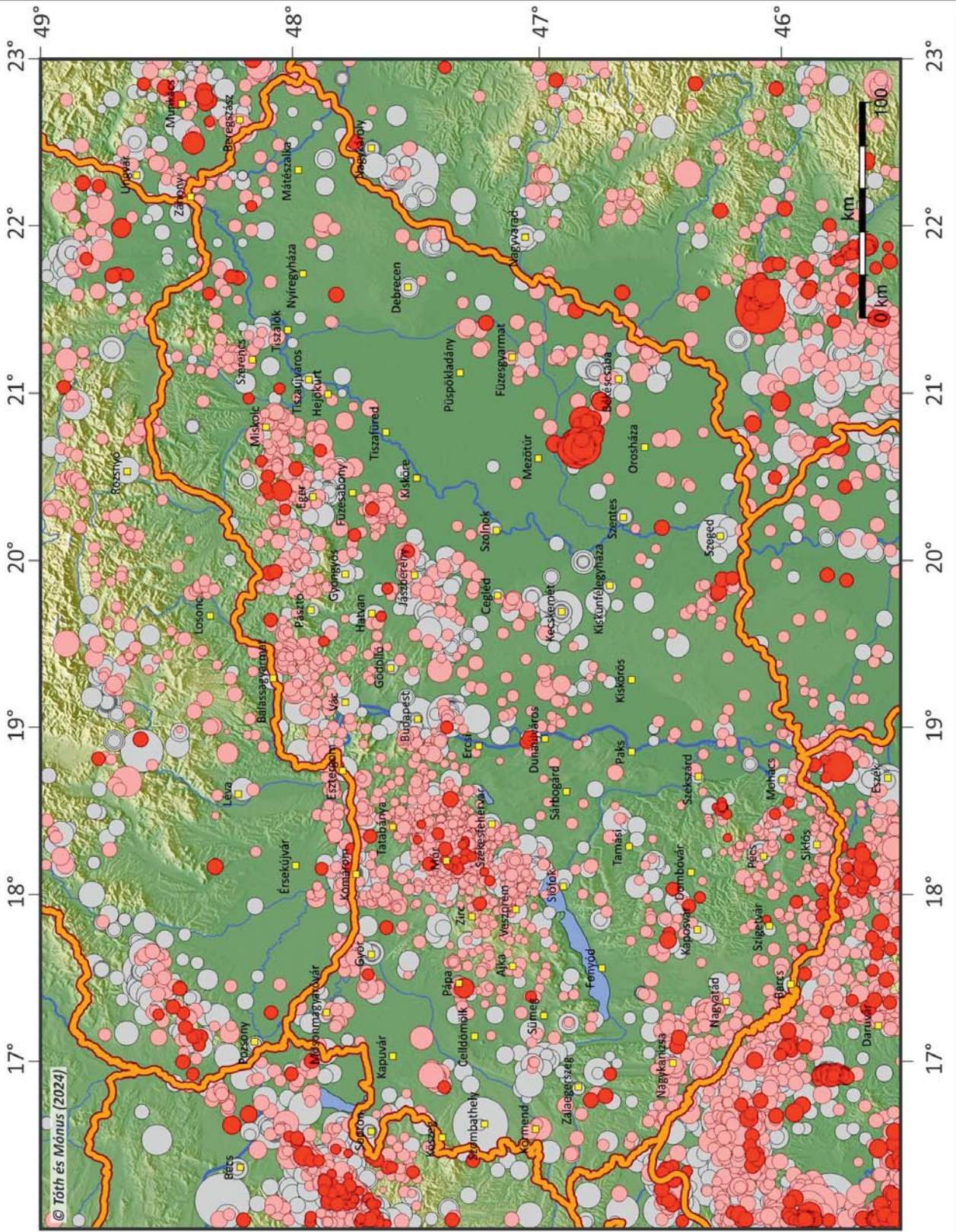
The *instrumental intensity (IIS)* is calculated from the data of the hypocentre of the earthquake, taking into account the amplitudes of soil movement measured at each station, the attenuation by distance, and the local geological effects (V_{s30}).

PERCEIVED SHAKING	not felt	weak	light	moderate	strong	very strong	severe	violent	extreme
POTENTIAL DAMAGE	none	none	none	very light	light	moderate	moderate heavy	heavy	very heavy
PEAK ACC. (m/s²)	< 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
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
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Reference:

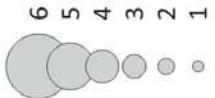
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Magyarországi földrengések / Seismicity in Hungary

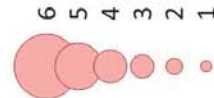


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