



Magyarországi földrengések évkönyve  
Hungarian Earthquake Bulletin  
2020

Tóth L., Mónus P., Kiszely M., Trosits D.



GeoRisk

Földrengés Mérnöki Iroda ↗ Earthquake Engineering



Budapest

# MAGYARORSZÁGI FÖLDRENGÉSEK ÉVKÖNYVE

## HUNGARIAN EARTHQUAKE BULLETIN

2020

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### Hivatkozás

Tóth L., Mónus P., Kiszely M., Trosits D.  
Magyarországi földrengések évkönyve 2020  
GeoRisk, Budapest, 2021.  
HU ISSN 1589-8326  
doi:10.7914/SN/HM

### Bibliographic reference

Tóth, L., Mónus, P., Kiszely, M., Trosits D.  
Hungarian Earthquake Bulletin, 2020  
GeoRisk, Budapest, 2021.  
HU ISSN 1219-963X  
doi:10.7914/SN/HM

GEORISK

BUDAPEST 2021

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

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

HU ISSN 1589-8326 (magyar)

HU ISSN 1219-963X (English)

doi:10.7914/SN/HM

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**Hátsó borító:**

Földrendések Magyarországon

Történelmi rengések: 456-1994 (szürke)

Műszeresen meghatározott rengések: 1995-2019 (rózsaszín)

Műszeresen meghatározott rengések: 2020 (piros)

**Back cover page:**

Earthquakes in Hungary

Historical earthquakes: 456-1994 (grey)

Instrumental earthquakes: 1995-2019 (pink)

Instrumental earthquakes: 2020 (red)

FÖLDRENGÉS ADATOK FORRÁSAI / SOURCES OF EARTHQUAKE DATA:

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

Tóth et al.: Magyarországi földrengések évkönyve / Hungarian Earthquake Bulletin (1995-2020)

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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 2020. év szeizmikus szempontból összességében átlagosan aktív időszaknak tekinthető Magyarországon. Az érezhető rengések száma is az átlagos körül alakult, tíz rengés volt érezhető Magyarországon. Ezek közül három epicentruma Horvátország területén, kettő a földrajzi ablakon kívül volt. Az év folyamán 1720 szeizmikus eseményről szereztünk tudomást a 45.5-49.0 É szélességi és 16.0-23.0 K hosszúsági koordináták által határolt területen, amelyek közül 500 volt természetes eredetű földrengés, 1220 pedig robbantás.

Az észlelt földrengések mérete a  $0.0 \leq M_L \leq 5.7$  lokális magnitúdó tartományba esett. A fészekmélység minden esetben sekély (0 – 30 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 tíz olyan földrengés volt, melyet a lakosság is érzett.

A legnagyobb műszeresen meghatározott magnitúdójú rengés 5.7  $M_L$ , míg a legnagyobb földrengés intenzitás, melyet Magyarország területéről az év folyamán jelentettek 4-5 EMS fokozatú volt. Kisebb épületkárok keletkeztek a Petrinja (Horvátország)  $M_L$  6.5 földrengés következtében a határ menti területen.

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.

Január 5-én éjjel 3.5  $M_L$  magnitúdójú földrengés pattant ki Zala megyében, Surd és Belezna közelében. A rengés az epicentrum térségében érezhető volt, intenzitása elérte a 4 EMS fokot.

Június 1-én délután 2.2  $M_L$  magnitúdójú földrengést éreztek Győr-Moson-Sopron megyében, Jánossomorja térségében. A rengés csak az epicentrum térségében volt érezhető, intenzitása 4 EMS fokra tehető.

A tavalyi rengéseket követően június 3-án délután újabb, 3.5  $M_L$  magnitúdójú földrengés volt érezhető Somogy megyében, Somogyszob közelében. A rengés intenzitása az epicentrum térségében elérte a 4 EMS fokot.

Június 26-án délután 3.7  $M_L$  magnitúdójú földrengés pattant ki a Baranya megyei Harkánytól DNy-ra Horvátország területén. A rengés a határ menti térségben érezhető volt, intenzitása elérte a 4-5 EMS fokot.

Augusztus 15-én délután 2.3  $M_L$  magnitúdójú földrengést éreztek a Tolna megyei Tamásitól ÉK-re Fürged környékén. A rengés intenzitása 4 EMS fokra becsülhető az epicentrum környezetében. A földrengés csak kis területen volt érezhető.

Egy kicsi, 2.0  $M_L$  magnitúdójú földrengést éreztek a Borsod-Abaúj-Zemplén megyei Alsószolca térségében október 10-én éjjel. A rengés intenzitása 4 EMS fokra becsülhető az epicentrum környezetében. A földrengés csak nagyon kis területen volt érezhető.

Október 10-én délután 2.3  $M_L$  magnitúdójú földrengést éreztek a Pest megyei Nagykáta környékén, Jászberénytől DNy-ra. A rengés intenzitása 4 EMS fokra becsülhető az epicentrum környezetében. A földrengés csak kis területen volt érezhető.

Néhány nappal az október 10-i 2.0  $M_L$  magnitúdójú földrengést követően, október 19-én egy valamivel nagyobb, 2.7  $M_L$  magnitúdójú földrengést jeleztek ismét a Borsod-Abaúj-Zemplén megyei Alsózsolca térségéből. A rengés intenzitása 4-5 EMS fokra becsülhető az epicentrum környezetében.

December 28-án reggel egy Horvátországban kipattant 5.3  $M_L$  magnitúdójú földrengést éreztek Magyarország DNy-i részén a horvát határ közeli területeken. A rengés intenzitása az epicentrum környékén 5-6 EMS, Magyarország területén 3-4 EMS fokra becsülhető.

Az előző napi jelentős (5.3  $M_L$ ) előregést követően december 29-én a déli órákban egy, a területen ritka nagy, 6.5  $M_L$  magnitúdójú földrengés keletkezett Horvátországban, Petrinja közelében. A sekély mélységben kipattanó rengés intenzitása az epicentrum környékén 8-9 EMS fokra tehető, de Magyarországon is elérte a 4-5 EMS fokot a határ közeli területeken.

# 1.

## SUMMARY

2020 was an average active year for Hungarian seismicity. The number of felt earthquakes was ten, also around the average. Three of these had epicenters in Croatia, two outside our geographical window. Out of the 1720 seismic events located within the area bounded by latitudes 45.5-49.0 N and longitudes 16.0-23.0 E, 500 were identified as natural earthquakes and 1220 were known as explosions, mostly quarry blasts.

The magnitude of the earthquakes was in the range of  $0.0 \leq M_L \leq 5.7$ . Each of the earthquakes had shallow (0 – 30 km) focal depth, typically in the range of 6 – 12 km.

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

During the year, ten earthquakes were reported as felt.

The highest magnitude assigned to a shock was 5.7  $M_L$  while the highest intensity reported during the year was 4-5 EMS. Minor building damage was reported from the border area after the  $M_L$  6.5 Petrinja (Croatia) earthquake.

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.

On January 5<sup>th</sup>, a 3.5  $M_L$  magnitude earthquake occurred in Zala County, near to Surd and Belezna. The earthquake was felt in the area of the epicenter, its intensity reached 4 EMS degrees.

In the afternoon of June 1<sup>st</sup>, a 2.2  $M_L$  magnitude earthquake occurred in the surroundings of Jánossomorja, Győr-Moson-Sopron County. The earthquake was felt in the area of the epicenter, its intensity reached 4 EMS degrees.

Following the felt earthquakes in the last year, another 3.5  $M_L$  quake was reported felt from Somogy County, near to Somogyszob. The intensity of the quake reached 4 EMS degrees in the area of the epicenter.

On the afternoon of June 26<sup>th</sup>, a 3.7  $M_L$  magnitude earthquake occurred SW from Harkány in the territory of Croatia. The quake was felt in the border area, its intensity reached 4-5 EMS degrees.

On the afternoon of August 15<sup>th</sup>, a 2.3  $M_L$  magnitude earthquake was felt NE of Tamási, Tolna County, in the vicinity of Fürged. The maximum intensity was estimated 4 EMS. The earthquake was felt in a small area.

A small earthquake of magnitude 2.0  $M_L$  was felt in the Alsószolca area of Borsod-Abaúj-Zemplén County on the night of October 10<sup>th</sup>. The intensity of the quake can be estimated at 4 EMS degrees in the vicinity of the epicenter. The earthquake was only felt in a very small area.

On the afternoon of October 10<sup>th</sup>, an earthquake of magnitude 2.3  $M_L$  was felt in the vicinity of Nagykáta in Pest County, SW of Jászberény. The maximum intensity was estimated 4 EMS. The earthquake was felt in a small area.

A few days after the 2.0  $M_L$  magnitude earthquake on 10<sup>th</sup> October, a slightly larger, a 2.7  $M_L$  magnitude earthquake was reported again from the Alsózsolca area of Borsod-Abaúj-Zemplén County on October 19. The intensity of the quake can be estimated at 4-5 EMS degrees in the vicinity of the epicenter.

On the morning of 28<sup>th</sup> December, a 5.3  $M_L$  magnitude earthquake occurred near to Petrinja, Croatia what was felt in the SW part of Hungary in the area near the Croatian border. The maximum intensity of the earthquake can be estimated at 5-6 EMS in the vicinity of the epicenter, and 3-4 EMS degrees in Hungary.

Following the significant (5.3  $M_L$ ) earthquake of the previous day, a rare major 6.5  $M_L$  magnitude earthquake occurred in Croatia near Petrinja on the 29<sup>th</sup> of December at noon. The intensity of the shallow depth earthquake can be set at 8-9 EMS degrees around the epicenter and can be estimated 4-5 EMS degrees in Hungary.

## 2.

# FÖLDRENGÉS MEGFIGYELŐ ÁLLOMÁSOK MAGYARORSZÁGON

2020-ban 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 CSFK Geodéziai és Geofizikai Intézet (CSFK GGI) 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). Az állomásokon az érzékelő 3 komponenses szélessávú Nanometrics Trillium Posthole szeizmométer, mely 150 m-es béléscsővezetett fúróluk alá van telepítve. A felszíni aknában elhelyezett digitalizáló, adatgyűjtő és kommunikációs egység Nanometrics Centaur CTR-3.

Mindegyik állomás internet összeköttetéssel rendelkezik.

### *Szélessávú felszíni állomások*

2020-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 11 rövidperiódusú felszíni állomás közül tíz teljesen azonos mérőeszközzel van felszerelve. Ezeket Güralp CMG-40T rövidperiódusú, 3 komponenses szeizmométer és Güralp CMG-DM24S3-EAM digitalizáló és adatgyűjtő működik, folyamatos regisztrálással. Egy állomáson (CSKK) Kinometrics SS-1 szenzor és Güralp CMG-DM24S3-EAM digitalizáló és adatgyűjtő működik.

Mindegyik állomás internet összeköttetéssel rendelkezik.

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

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



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

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

Átlagos zaj- (talajnyugtalanúság) 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) Európa-szerte 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](http://www.foldrenges.hu)).

## 2.

### SEISMOGRAPH STATIONS IN HUNGARY

In 2020, 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 Geodetic and Geophysical Institute, Research Centre for Astronomy and Earth Sciences (CSFK GGI). (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 stations. Nanometrics Centaur CTR-3 digitizers and acquisition systems, along with the communication units are arranged in a small pit.

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 Guralp CMG-3T seismometer and Guralp 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*

Out of the eleven short period stations ten have similar hardware. These stations are equipped with Guralp CMG-40T short period seismometers and Guralp CMG-DM24S3-EAM digital acquisition system. One of the stations, CSKK has Kinometrics short period SS-1 sensors, and Guralp CMG-DM24S3-EAM digital acquisition system for recording and communication with the Data Centre. Continuous data are recorded at each short period station.

Each station has a connection to the Internet.

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

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

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

seismic events and their hypocenter information, *Monthly Reports* are compiled.

Data that are collected by the *Data Centre* are published in a variety of formats on the internet at [www.foldrenges.hu](http://www.foldrenges.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 Europe. 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.foldrenges.hu](http://www.foldrenges.hu)). The present configuration of the *HUN-Reng* virtual seismic network is shown in Table 2.2.

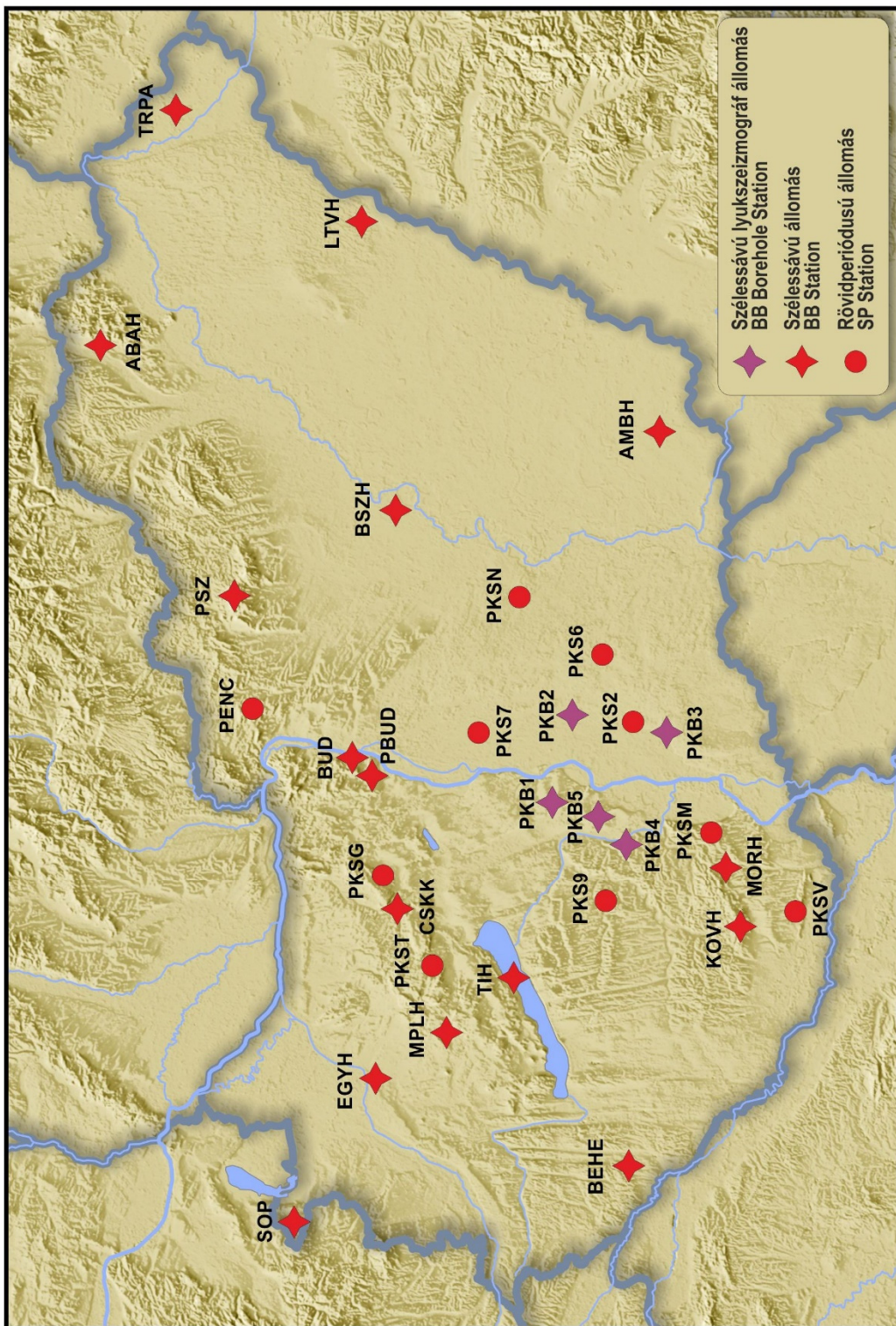
## 2.1. Táblázat Magyarországi szeizmológiai állomások, műszerek és alapkőzet

Table 2.1. Seismic stations in Hungary, instrumentation and lithology

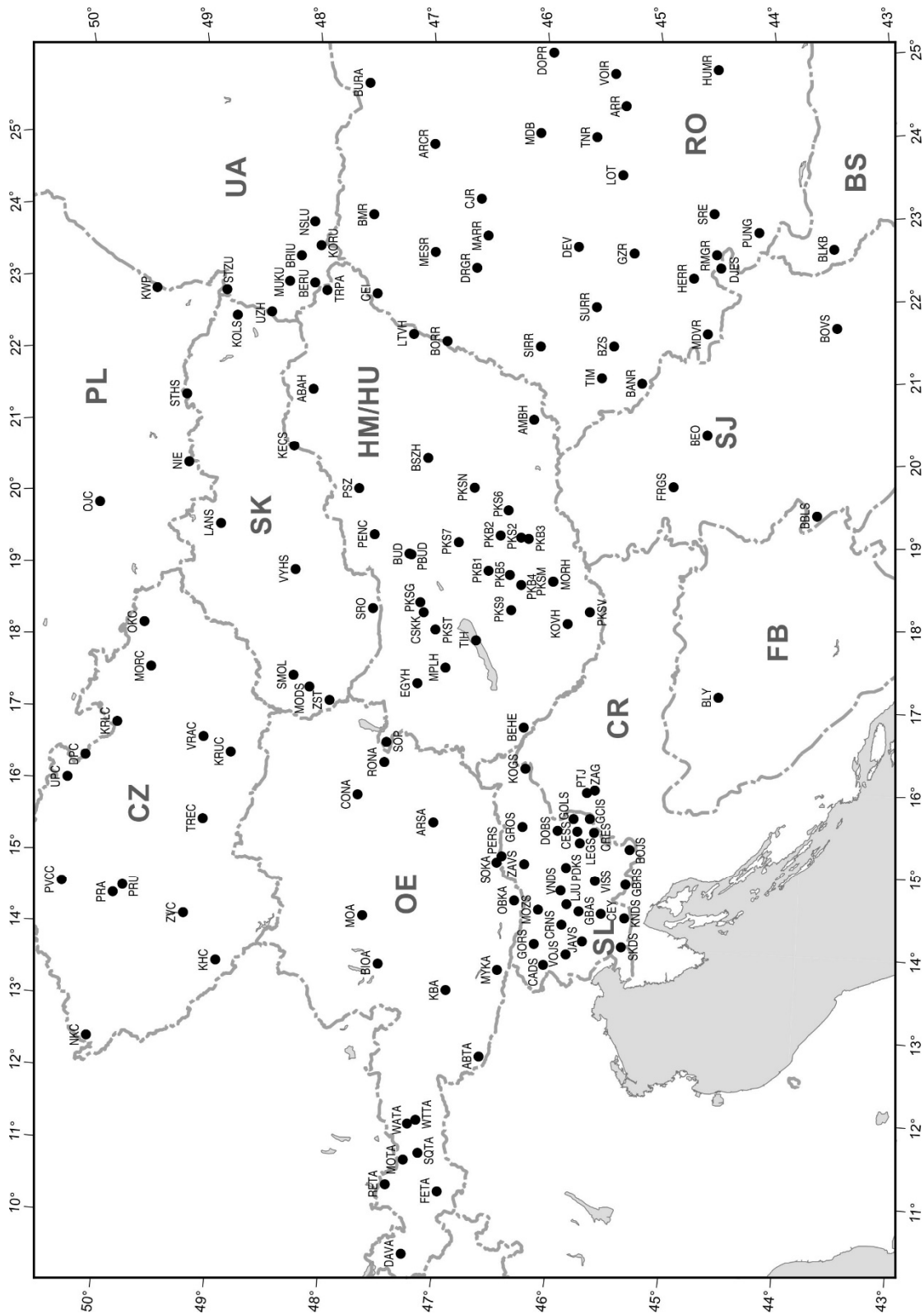
Kód Helység Code Location	Szélesség Latitude (N)	Hosszúság Longitude (E)	Magasság Elevation (m)	Alapkőzet Foundation	Állomás típusa Station type (1)	Érzékelő típusa Sensor type (2)	Adatgyűjtő típusa Recording equipment (3)	Szerv. Org. (4)
ABAH Abaújkér	48.2961	21.2395	173	kőzet rock	3C BB	STS-2.5	CMG-DM24S3- EAM	GGI
AMBH Ambrózfalva	46.3501	20.7258	91	üledék alluvium	3C BB	CMG-3T	CMG-DM24S3- EAM	GGI
BEHE Becsehely	46.4704	16.7757	298	üledék alluvium	3C BB	STS-2	PS-6-24+ SeisComP PC	GGI
BSZH Besenyszög	47.2996	20.2670	82	üledék alluvium	3C BB	STS-2.5	PS-6-24 + SeisComP PC	GGI
BUD Budapest	47.4836	19.0239	196	dolomit dolomite	3C BB	STS-2	PS-6-24+ SeisComP PC	GGI
CSKK Csókakő	47.3631	18.2605	319	dolomit dolomite	3C BB	CMG-3T	CMG-DM24S3- EAM	GGI
EGYH Egyházaskesző	47.4171	17.3318	225	kőzet rock	3C BB	CMG-3T	CMG-DM24S3- EAM	GGI
KOVH Kővágótöttös	46.0883	18.0999	270	mészke limestone	3C BB	STS-2.5	PS-6-24 + SeisComP PC	GGI
LTVH Létavértes	47.3849	21.9007	121	homok sand	3C BB	CMG-3T	CMG-DM24S3- EAM	GGI
MPLH Magyarpolány	47.1702	17.5395	307	kőzet rock	3C BB	STS-2.5	PS-6-24 + SeisComP PC	GGI
MORH Mórág	46.2149	18.6435	135	gránit granite	3C BB	STS-2	PS-6-24 + SeisComP PC	GGI
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	TC20-PH2	CTR-3	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 /GGI
SOP Sopron	47.6833	16.5583	260	gneisz gneiss	3C BB	STS-2	PS-6-24 + SeisComP PC	GGI
TIH Tihany	46.9001	17.8877	183	kőzet rock	3C BB	CMG-3T	CMG-DM24S3- EAM	GGI/MFGI
TRPA Tarpa	48.1304	22.5391	113	andezit andesite	3C BB	STS-2	PS-6-24 + SeisComP PC	GGI

- (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  
 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  
 SeisComP – GEOFON Seismological Communication Processor  
 CTR-3 – Nanometrics Centaur adatgyűjtő / Nanometrics Centaur data acquisition module
- (4) GGI – CSFK Geodéziai és Geofizikai Intézet / Geodetic and Geophysical Institute, CSFK  
 GR – GeoRisk Földrengés Mérnöki Iroda Kft. / GeoRisk Earthquake Engineering Ltd.  
 GEOFON – GEOFON Program GFZ Potsdam / GEOFON Program GFZ Potsdam  
 MFGI – Magyar Földtani és Geofizikai Intézet / Geological and Geophysical Institute of Hungary



2.1. ábra Szeizmológiai állomások Magyarországon 2020-ban (részletek: 2.1. Táblázat)  
 Figure 2.1. Seismograph stations in Hungary in 2020 (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 Institute of Geodesy and Geophysics, Research Centre for Astronomy and Earth Sciences
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 SeisComP3 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 (<math>v_P</math>) [km/s]</i>	<i>Mélység [km]</i>	<i>Vastagság [km]</i>	$v_P/v_S$
5,60	0,0	20,0	1,78
6,57	20,0	11,0	
8,02	31,0	$\infty$	

### 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 SeisComP3 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 450 km have been weighted out. In some cases, when sufficient number of P readings were available, S phase readings were not used in the calculations.

#### CRUSTAL VELOCITY MODEL

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

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

## FÖLDRENGÉSEK LISTÁJA / LIST OF EARTHQUAKES

Nap	Kipattanási idő UTC óó pp mp	Földrajzi koordináták Lat Long	Mélys. (km)	ML	I <sub>MAX</sub> (EMS)	Helyszín
Day	Origin time UTC hr mn sec	Geographic coordinates Lat Long	Depth (km)	ML	I <sub>MAX</sub> (EMS)	Locality or Region
JANUÁR / JANUARY, 2020						
02	9:03:09.4	46.069N 18.366E	6	0.8	-	Ellend
02	22:53:01.8	48.445N 17.128E	12	2.2	-	Slovakia
03	22:56:49.4	47.791N 18.298E	0	1.6	-	Slovakia
04	9:09:35.1	47.932N 19.879E	7	2.0	-	Mátraszentimre
05	1:08:33.3	46.279N 16.920E	10	1.9	-	Órtilos
05	1:13:22.2	46.327N 16.956E	11	3.5	4	Surd
05	4:32:46.8	46.342N 16.916E	12	2.1	-	Belezna
05	4:57:02.6	46.335N 16.945E	13	2.1	-	Belezna
09	4:20:20.2	45.638N 18.379E	1	1.6	-	Croatia
10	2:33:40.3	45.870N 17.931E	12	1.2	-	Nagycsány
16	8:25:50.0	45.908N 16.733E	10	2.2	-	Croatia
19	14:21:12.4	47.380N 18.355E	10	0.3	-	Gánt
22	4:33:35.9	45.559N 18.230E	13	2.0	-	Croatia
23	21:03:07.7	48.138N 22.912E	15	2.8	-	Ukraine
28	5:38:37.1	45.957N 16.015E	2	2.1	-	Croatia
28	7:53:07.2	46.016N 16.090E	8	3.6	-	Croatia
28	8:40:52.5	46.013N 16.073E	14	2.4	-	Croatia
28	8:42:44.6	46.026N 16.024E	0	1.5	-	Croatia
28	11:25:44.5	46.112N 21.610E	10	1.6	-	Romania
28	23:46:52.6	46.008N 16.070E	12	2.2	-	Croatia
29	3:41:26.0	47.841N 20.956E	5	1.9	-	Hejőkürt
29	13:21:10.5	46.342N 21.987E	4	1.6	-	Romania
29	22:20:30.0	46.020N 16.073E	6	2.4	-	Croatia
30	2:41:05.6	47.378N 18.210E	4	0.2	-	Mór
FEBRUÁR / FEBRUARY, 2020						
01	3:47:48.6	47.662N 18.019E	11	2.0	-	Bábolna
01	4:39:32.9	47.378N 18.239E	3	0.4	-	Mór
02	13:10:57.7	46.926N 19.156E	8	2.0	-	Újsolt
02	13:56:25.3	47.659N 18.042E	11	1.4	-	Csém
07	15:54:15.6	46.017N 16.031E	13	2.0	-	Croatia
07	22:28:54.2	46.022N 16.047E	5	2.1	-	Croatia
08	20:42:25.3	48.520N 17.244E	4	2.3	-	Slovakia
11	10:25:34.8	46.007N 16.071E	5	2.5	-	Croatia
16	12:07:49.1	48.449N 22.350E	6	2.2	-	Ukraine
20	8:40:34.0	48.032N 20.342E	4	1.4	-	Mónosbél
21	2:39:46.8	48.189N 22.839E	17	2.1	-	Ukraine
21	13:48:15.4	46.015N 16.094E	12	2.0	-	Croatia
22	21:01:51.8	47.400N 18.219E	11	1.9	-	Mór
22	21:16:42.8	47.351N 18.279E	10	0.5	-	Csákrberény
22	21:21:31.3	47.439N 18.229E	10	0.5	-	Pusztavám
22	21:27:15.1	47.428N 18.220E	6	0.1	-	Pusztavám
22	22:12:04.0	47.414N 18.221E	8	0.8	-	Pusztavám
24	10:43:19.8	48.175N 21.185E	4	2.5	-	Szerencs
24	10:57:00.2	48.414N 21.360E	10	0.9	-	Regéc
25	11:20:34.8	48.519N 20.361E	11	1.6	-	Slovakia
26	22:08:45.8	47.431N 18.254E	11	1.8	-	Pusztavám

**Földrengés paraméterek**

**Hypocenter Parameters**

27	18:22:29.6	45.892N	17.140E	21	2.0	-	Croatia
29	1:08:00.6	47.227N	18.009E	4	0.4	-	Tés
MÁRCIUS / MARCH, 2020							
01	16:08:22.8	46.545N	22.289E	10	2.2	-	Romania
01	16:09:07.5	46.663N	22.144E	13	2.8	-	Romania
01	16:12:59.7	46.647N	22.176E	8	1.5	-	Romania
03	7:51:34.2	46.896N	21.496E	10	1.9	-	Zsadány
09	19:44:26.8	47.048N	17.390E	7	1.0	-	Nemeshany
10	9:39:51.1	47.158N	17.429E	9	1.2	-	Oroszi
11	12:10:50.7	47.387N	18.143E	9	0.8	-	Nagyveleg
12	2:37:47.1	46.655N	22.151E	0	2.0	-	Romania
14	0:07:40.1	46.021N	16.035E	6	1.9	-	Croatia
14	0:50:56.2	46.030N	16.081E	5	2.8	-	Croatia
14	3:32:30.4	46.021N	16.032E	10	1.7	-	Croatia
14	15:05:35.4	47.100N	18.203E	6	1.6	-	Jenő
15	15:06:04.1	45.516N	17.692E	6	2.2	-	Croatia
15	23:04:46.6	46.455N	19.562E	9	1.2	-	Harkakötöny
16	23:44:57.2	48.408N	21.144E	18	1.2	-	Novajidrány
17	3:23:14.2	48.391N	22.564E	9	1.8	-	Ukraine
17	17:13:16.0	47.378N	18.145E	7	0.7	-	Nagyveleg
20	22:49:23.9	47.652N	16.525E	8	1.0	-	Görbehalomtelep
20	23:09:53.7	47.354N	18.297E	5	-0.4	-	Csákberény
22	5:24:02.6	45.861N	16.033E	8	5.7	-	Croatia
22	5:29:35.1	45.879N	16.014E	9	4.1	-	Croatia
22	5:40:09.6	45.884N	16.003E	10	3.0	-	Croatia
22	5:46:35.3	45.891N	16.001E	8	2.4	-	Croatia
22	5:50:49.1	45.875N	16.004E	9	2.4	-	Croatia
22	5:53:30.9	45.881N	16.017E	9	2.5	-	Croatia
22	6:01:19.5	45.892N	16.016E	8	5.2	-	Croatia
22	6:06:18.2	45.910N	16.028E	6	3.1	-	Croatia
22	6:09:37.7	45.874N	16.058E	4	2.7	-	Croatia
22	6:16:22.0	45.909N	16.022E	7	2.3	-	Croatia
22	6:39:58.8	45.896N	16.028E	7	3.0	-	Croatia
22	6:41:05.3	45.887N	16.033E	9	3.8	-	Croatia
22	6:53:32.8	45.892N	16.017E	4	2.7	-	Croatia
22	7:13:01.6	45.894N	16.026E	10	2.2	-	Croatia
22	7:27:53.0	45.906N	16.011E	5	2.4	-	Croatia
22	7:49:14.1	45.920N	16.011E	3	2.2	-	Croatia
22	8:04:01.2	45.894N	16.010E	8	3.8	-	Croatia
22	8:29:23.5	45.890N	16.027E	7	2.5	-	Croatia
22	8:42:48.9	45.897N	16.023E	7	2.5	-	Croatia
22	8:57:01.5	45.896N	16.038E	7	2.3	-	Croatia
22	9:06:53.4	45.886N	16.081E	10	2.4	-	Croatia
22	9:11:57.1	45.899N	16.008E	9	3.3	-	Croatia
22	10:15:41.5	45.920N	16.000E	1	2.3	-	Croatia
22	11:50:44.2	48.504N	22.278E	1	1.9	-	Ukraine
22	13:34:08.5	45.879N	16.008E	9	2.5	-	Croatia
22	13:59:21.3	45.882N	16.049E	9	2.4	-	Croatia
22	14:04:29.4	45.883N	16.007E	10	2.5	-	Croatia
22	15:15:11.9	45.874N	16.007E	9	2.8	-	Croatia
22	16:21:09.3	45.869N	16.027E	9	2.2	-	Croatia
22	18:00:19.5	45.861N	16.018E	9	3.0	-	Croatia
22	19:35:50.5	45.897N	16.003E	8	2.4	-	Croatia
22	21:43:52.3	45.917N	16.014E	8	2.2	-	Croatia
22	22:10:08.1	45.910N	16.000E	10	2.0	-	Croatia
22	23:44:32.3	45.897N	16.024E	8	2.4	-	Croatia
23	0:04:22.7	45.915N	16.006E	6	2.2	-	Croatia
23	0:46:51.5	45.918N	16.021E	3	2.2	-	Croatia
23	2:00:30.0	45.890N	16.031E	8	3.2	-	Croatia

**Hypocenter Parameters**

**Földrengés paraméterek**

23	4:15:37.3	45.895N	16.025E	8	2.4	-	Croatia
23	6:41:57.4	45.922N	16.022E	6	2.3	-	Croatia
23	16:39:17.6	45.907N	16.012E	9	2.1	-	Croatia
23	17:16:48.7	46.280N	19.802E	8	1.7	-	Ruzsa
23	19:49:51.4	45.873N	16.004E	8	2.9	-	Croatia
24	5:12:40.9	45.915N	16.002E	8	2.3	-	Croatia
24	10:15:41.9	45.894N	16.112E	10	2.5	-	Croatia
24	16:26:17.1	45.922N	16.003E	2	2.3	-	Croatia
24	18:33:17.7	45.889N	16.020E	9	2.4	-	Croatia
24	19:07:35.5	45.952N	16.141E	8	2.3	-	Croatia
24	19:53:48.9	45.891N	16.021E	8	3.5	-	Croatia
24	20:02:49.6	45.900N	16.016E	9	2.4	-	Croatia
24	23:52:57.0	45.922N	16.010E	2	2.0	-	Croatia
25	2:56:48.3	45.922N	16.020E	3	2.0	-	Croatia
25	3:22:22.5	45.929N	16.025E	1	2.9	-	Croatia
25	3:58:28.9	45.907N	16.016E	13	2.6	-	Croatia
25	7:54:28.0	48.368N	21.138E	15	0.8	-	Méra
25	13:41:11.4	45.877N	16.034E	10	2.4	-	Croatia
25	14:28:47.2	45.907N	16.023E	12	2.3	-	Croatia
25	22:21:26.4	45.918N	16.001E	3	2.2	-	Croatia
25	22:30:20.3	45.913N	16.051E	10	2.1	-	Croatia
25	22:39:43.4	45.907N	16.030E	6	2.2	-	Croatia
25	23:38:33.9	45.900N	16.017E	7	2.3	-	Croatia
25	23:59:14.3	45.932N	16.021E	4	1.9	-	Croatia
26	0:17:54.3	45.887N	16.041E	9	2.4	-	Croatia
26	2:42:26.7	45.921N	16.007E	4	2.2	-	Croatia
26	2:53:06.3	45.928N	16.013E	5	2.2	-	Croatia
26	6:12:26.9	45.878N	16.003E	10	2.6	-	Croatia
26	8:38:52.7	45.902N	16.028E	6	2.4	-	Croatia
26	13:15:09.3	45.907N	16.038E	11	2.3	-	Croatia
27	0:11:46.9	45.916N	16.010E	5	1.8	-	Croatia
27	3:09:28.0	45.925N	16.010E	3	2.0	-	Croatia
27	12:05:31.1	45.807N	18.468E	4	1.3	-	Lapáncsa
27	15:08:00.8	45.922N	16.016E	10	2.1	-	Croatia
27	15:41:18.3	45.837N	16.076E	14	2.3	-	Croatia
27	19:51:17.8	47.404N	18.122E	1	0.6	-	Felsődobos
27	22:10:52.0	45.906N	16.017E	4	1.8	-	Croatia
28	7:42:11.3	45.898N	16.053E	12	2.0	-	Croatia
28	12:48:58.6	45.915N	16.000E	5	2.2	-	Croatia
28	21:07:27.8	45.896N	16.017E	7	2.0	-	Croatia
28	23:34:56.6	47.318N	18.150E	9	0.1	-	Balinka
29	3:56:56.1	45.833N	16.027E	5	1.9	-	Croatia
30	3:30:36.0	45.898N	16.006E	4	2.0	-	Croatia
30	4:05:57.5	47.414N	19.480E	8	1.2	-	Mende
30	6:01:53.6	47.690N	20.308E	2	2.3	-	Erdőtelek
30	20:52:56.8	45.910N	16.011E	6	2.2	-	Croatia

**ÁPRILIS / APRIL, 2020**

03	7:58:22.6	45.907N	16.012E	7	2.7	-	Croatia
03	17:15:45.0	45.914N	16.033E	7	2.0	-	Croatia
03	20:29:46.2	47.392N	18.132E	2	0.3	-	Nagyveleg
03	23:26:23.5	45.889N	16.011E	10	2.1	-	Croatia
04	3:42:01.2	45.917N	16.013E	7	1.9	-	Croatia
05	8:05:17.5	45.913N	16.003E	5	2.0	-	Croatia
05	20:30:32.9	45.953N	16.099E	4	2.5	-	Croatia
07	2:12:27.7	45.921N	16.021E	7	1.9	-	Croatia
07	4:57:29.7	45.869N	16.046E	6	2.1	-	Croatia
07	12:32:08.6	46.120N	21.681E	11	2.0	-	Romania
08	22:16:12.1	46.083N	18.347E	1	0.3	-	Romonya
09	16:19:26.1	45.889N	16.018E	7	2.6	-	Croatia

## Földrengés paraméterek

## Hypocenter Parameters

10	12:09:22.9	45.595N	17.376E	10	1.7	-	Croatia
11	1:32:11.4	46.592N	22.701E	7	1.0	-	Romania
11	10:09:57.4	47.396N	18.189E	8	0.2	-	Mór
11	18:52:22.2	45.892N	16.027E	7	1.6	-	Croatia
12	1:08:14.8	45.885N	16.038E	6	1.8	-	Croatia
12	1:20:34.8	45.861N	16.053E	9	2.0	-	Croatia
12	3:30:42.7	45.895N	16.044E	1	1.3	-	Croatia
12	4:50:23.6	45.893N	16.039E	6	1.8	-	Croatia
12	5:15:17.2	45.994N	17.848E	18	0.7	-	Katádfa
12	13:31:03.6	45.901N	16.014E	3	2.2	-	Croatia
12	22:07:24.7	45.891N	16.028E	9	2.1	-	Croatia
13	3:43:16.6	47.372N	18.198E	3	-0.2	-	Mór
13	7:49:31.4	47.310N	18.283E	5	0.7	-	Söréd
15	17:28:43.4	45.904N	16.012E	4	1.8	-	Croatia
17	19:40:01.4	45.885N	16.027E	11	1.8	-	Croatia
19	5:46:00.2	48.526N	22.370E	10	2.9	-	Ukraine
19	7:25:50.6	48.552N	22.385E	5	1.9	-	Ukraine
20	6:30:36.3	45.915N	16.005E	6	2.0	-	Croatia
23	22:48:17.2	47.902N	16.246E	10	0.3	-	Austria
23	23:18:26.7	48.759N	21.851E	6	3.7	-	Slovakia
24	22:14:36.5	45.912N	16.014E	5	1.9	-	Croatia
25	0:07:02.5	46.712N	22.052E	10	2.5	-	Romania
25	0:08:29.3	46.630N	22.074E	2	1.9	-	Romania
25	0:15:35.6	46.662N	22.184E	10	1.6	-	Romania
25	1:02:48.9	46.632N	22.178E	10	1.1	-	Romania
25	20:43:06.4	45.872N	16.021E	8	2.0	-	Croatia
25	22:37:45.3	47.313N	21.540E	15	1.8	-	Tépe
25	23:28:43.1	46.714N	22.109E	13	2.2	-	Romania
26	2:26:21.8	46.629N	22.198E	12	1.1	-	Romania
26	12:17:05.7	47.992N	16.854E	12	1.7	-	Austria
26	16:45:38.4	47.319N	18.368E	9	0.3	-	Zámoly
26	16:54:06.8	47.290N	18.360E	4	0.2	-	Magyaralmás
27	8:52:57.7	45.525N	18.132E	2	1.6	-	Croatia
27	9:14:25.0	45.916N	16.021E	3	2.0	-	Croatia
27	22:07:08.7	48.542N	22.377E	8	2.8	-	Ukraine
27	23:34:08.3	47.828N	16.288E	13	0.5	-	Austria
28	21:58:32.0	46.732N	22.913E	8	1.6	-	Romania
29	2:46:17.8	48.025N	16.600E	14	0.7	-	Austria
29	5:15:20.8	48.189N	20.577E	9	1.2	-	Tardona
29	16:25:16.2	45.871N	16.039E	14	1.9	-	Croatia
30	3:26:12.2	45.888N	16.032E	8	2.2	-	Croatia
30	3:59:04.9	48.830N	21.788E	5	2.6	-	Slovakia
30	15:58:23.8	47.321N	18.381E	7	0.1	-	Zámoly

## MÁJUS / MAY, 2020

03	20:34:57.8	46.523N	21.263E	30	1.7	-	Elek
04	0:26:50.6	47.327N	18.279E	4	-0.4	-	Söréd
07	13:08:25.1	47.389N	18.257E	4	0.2	-	Mór
07	13:11:25.3	47.384N	18.259E	5	0.9	-	Mór
07	13:12:29.1	47.334N	18.293E	4	0.8	-	Söréd
07	16:20:03.2	47.315N	18.288E	1	0.5	-	Söréd
07	18:58:50.8	47.390N	18.236E	5	0.2	-	Mór
07	19:03:46.0	47.372N	18.268E	5	0.3	-	Csókakő
08	4:47:02.7	47.946N	20.451E	9	1.3	-	Noszvaj
10	11:46:07.9	47.750N	16.101E	7	1.8	-	Austria
12	9:18:35.7	48.608N	20.817E	1	1.6	-	Slovakia
13	8:21:30.9	45.851N	21.383E	19	2.0	-	Romania
14	18:55:28.0	47.340N	18.488E	9	1.5	-	Lovasberény
16	19:27:31.8	48.724N	19.231E	17	1.7	-	Slovakia
20	4:50:57.8	45.904N	16.016E	7	2.2	-	Croatia

## Hypocenter Parameters

## Földrengés paraméterek

20	18:28:18.9	45.879N	16.080E	10	2.1	-	Croatia
22	21:20:08.3	47.392N	18.245E	1	-0.2	-	Mór
23	1:25:39.8	47.363N	18.271E	3	-0.3	-	Csókakó
23	3:13:54.5	48.529N	17.630E	12	0.8	-	Slovakia
25	22:58:48.3	47.353N	18.270E	3	-0.1	-	Csókakó
25	23:59:21.4	47.345N	18.277E	6	1.5	-	Csákberény
26	0:02:05.4	47.385N	18.242E	1	0.1	-	Mór
26	0:03:37.4	47.382N	18.258E	0	-0.1	-	Mór
26	0:14:27.1	47.887N	16.309E	14	0.5	-	Austria
26	1:07:25.5	47.384N	18.247E	2	-0.2	-	Mór
27	22:05:35.0	47.366N	18.260E	4	-0.2	-	Csókakó
30	0:22:08.5	47.358N	18.268E	3	-0.2	-	Csókakó

## JÚNIUS / JUNE, 2020

01	1:42:32.1	47.310N	18.287E	9	-0.4	-	Söréd
01	2:35:27.8	45.536N	17.555E	14	1.4	-	Croatia
01	17:24:31.0	47.828N	17.211E	11	2.2	4	Jánossomorja
03	15:50:59.9	46.278N	17.301E	12	3.5	4	Somogyiszob
03	15:55:42.7	46.329N	17.264E	10	1.9	-	Somogyiszob
04	22:07:41.6	48.465N	22.270E	8	1.6	-	Ukraine
04	23:44:51.2	47.352N	18.266E	2	0.2	-	Csókakó
06	21:52:05.0	45.992N	18.968E	0	0.9	-	Dávod
09	3:31:24.2	47.298N	18.182E	9	0.9	-	Balinka
10	2:15:53.8	45.877N	16.008E	10	2.6	-	Croatia
10	22:59:51.2	46.124N	16.743E	12	1.9	-	Croatia
10	23:21:23.0	46.045N	16.733E	10	1.6	-	Croatia
10	23:26:43.2	46.054N	16.712E	10	1.6	-	Croatia
10	23:30:50.5	46.090N	16.733E	6	1.6	-	Croatia
10	23:39:45.8	46.070N	16.726E	5	1.5	-	Croatia
10	23:53:55.8	46.090N	16.671E	12	1.5	-	Croatia
11	0:00:13.3	46.105N	16.677E	13	1.5	-	Croatia
11	0:01:24.1	46.101N	16.670E	15	1.3	-	Croatia
11	1:49:23.0	46.078N	16.737E	5	1.6	-	Croatia
12	3:49:47.4	47.985N	16.500E	9	1.5	-	Austria
12	13:35:22.7	46.806N	19.114E	12	1.5	-	Dunatetőtlen
17	1:37:31.0	47.318N	18.297E	8	0.4	-	Söréd
17	12:59:57.8	47.887N	16.093E	7	1.4	-	Austria
17	15:51:44.7	45.900N	16.001E	7	3.3	-	Croatia
18	23:27:45.3	45.884N	16.000E	10	2.2	-	Croatia
19	2:59:34.8	47.673N	20.330E	14	1.0	-	Tenk
26	7:12:43.1	45.546N	17.269E	10	1.4	-	Croatia
26	16:56:12.1	45.571N	18.075E	4	3.7	4.5	Croatia
28	0:18:01.0	45.558N	18.109E	10	1.3	-	Croatia
29	21:18:11.8	45.900N	16.022E	11	2.2	-	Croatia
30	19:52:04.7	45.897N	16.029E	10	2.3	-	Croatia

## JÚLIUS / JULY, 2020

01	4:02:58.1	45.897N	16.023E	10	2.5	-	Croatia
01	19:34:13.1	47.888N	19.383E	7	1.0	-	Bercel
03	8:15:10.3	45.897N	16.044E	10	2.5	-	Croatia
04	19:03:35.9	45.661N	17.999E	15	1.3	-	Croatia
04	23:16:52.0	46.779N	19.361E	11	1.2	-	Izsák
05	20:49:05.6	47.619N	19.482E	22	0.7	-	Bag
06	9:48:07.8	45.587N	17.316E	7	2.2	-	Croatia
07	2:19:10.5	46.067N	16.793E	6	1.6	-	Croatia
07	2:52:47.6	46.058N	16.810E	10	1.8	-	Croatia
08	0:23:58.7	47.839N	16.278E	14	0.2	-	Austria
09	5:04:54.2	45.614N	18.142E	9	1.3	-	Croatia
09	5:11:10.7	47.364N	18.205E	8	1.1	-	Mór
10	8:13:56.5	46.995N	22.300E	5	2.0	-	Romania



## Földrengés paraméterek

## Hypocenter Parameters

10	8:34:00.3	48.522N	17.475E	3	2.0	-	Slovakia
11	17:12:36.7	46.254N	16.586E	10	2.0	-	Croatia
17	15:01:13.1	47.223N	17.856E	15	0.7	-	Lókkút
18	2:21:54.8	47.756N	20.918E	15	1.2	-	Ároktő
18	10:31:16.0	47.692N	20.360E	1	1.4	-	Tenk
20	20:03:42.7	47.637N	16.231E	15	0.2	-	Austria
25	8:18:30.3	48.581N	20.812E	7	1.6	-	Tornanádaska
25	23:48:32.2	48.104N	22.930E	13	2.2	-	Ukraine
29	2:10:43.5	48.529N	19.237E	3	1.4	-	Slovakia
30	19:10:02.8	47.293N	18.344E	10	1.6	-	Magyaralmás
30	23:32:34.8	47.665N	20.339E	15	0.9	-	Tenk

### AUGUSZTUS / AUGUST, 2020

02	7:49:50.6	47.556N	20.390E	8	1.5	-	Hevesvezekény
02	21:29:59.1	45.871N	16.007E	10	2.1	-	Croatia
03	9:50:43.7	47.018N	21.383E	11	2.3	-	Újiráz
05	11:27:35.2	46.090N	22.048E	10	1.5	-	Romania
06	0:47:59.8	48.577N	19.344E	5	1.3	-	Slovakia
06	7:41:40.1	48.998N	18.178E	4	1.5	-	Slovakia
08	10:10:08.1	48.715N	19.246E	4	1.1	-	Slovakia
08	15:04:51.4	47.910N	19.306E	10	0.9	-	Szécsénke
12	18:07:07.2	48.903N	22.223E	6	1.8	-	Ukraine
14	19:23:38.1	46.123N	17.096E	7	1.4	-	Croatia
15	2:52:13.8	46.376N	22.720E	10	1.7	-	Romania
15	5:14:17.5	46.101N	17.062E	7	2.1	-	Croatia
15	6:22:35.3	47.758N	18.174E	10	1.6	-	Slovakia
15	16:43:43.2	46.712N	18.342E	7	2.3	4	Fürged
19	6:58:41.6	47.549N	16.220E	9	1.8	-	Austria
20	3:53:21.7	48.537N	17.506E	11	1.6	-	Slovakia
20	12:21:00.8	45.937N	17.649E	10	1.3	-	Potony
22	2:53:58.0	47.890N	16.338E	15	1.0	-	Austria
23	3:55:47.0	45.892N	17.140E	12	1.8	-	Croatia
23	4:37:04.1	47.763N	16.221E	10	2.3	-	Austria
23	5:53:09.2	45.641N	18.279E	7	1.1	-	Croatia
25	0:49:04.0	47.420N	18.226E	10	-0.1	-	Pusztavám
25	13:10:54.9	46.868N	22.865E	1	1.7	-	Romania
25	15:16:05.1	47.373N	18.401E	4	0.7	-	Gánt
25	21:30:47.0	45.891N	16.048E	12	2.3	-	Croatia
25	22:55:03.7	45.922N	16.006E	6	2.2	-	Croatia
26	7:44:32.3	46.327N	17.075E	15	2.2	-	Csurgónagymarton
26	21:57:42.9	45.560N	18.077E	3	2.5	-	Croatia
27	1:44:10.3	48.015N	20.491E	12	1.1	-	Répáshuta
27	11:03:33.4	47.274N	18.301E	1	1.6	-	Magyaralmás
27	11:17:38.1	47.332N	18.290E	7	1.3	-	Söréd
27	11:24:13.2	47.347N	18.288E	7	1.6	-	Csákberény
30	5:44:21.1	46.544N	21.296E	2	2.2	-	Romania
31	6:59:34.3	47.897N	19.408E	1	1.6	-	Bercel
31	7:50:24.2	48.735N	19.624E	7	1.7	-	Slovakia
31	7:58:56.3	45.984N	22.319E	4	2.0	-	Romania

### SZEPTEMBER / SEPTEMBER, 2020

01	3:59:11.2	48.738N	19.620E	10	1.4	-	Slovakia
03	1:59:10.0	47.377N	19.047E	13	1.5	-	Szigetszentmiklós
05	1:58:34.1	47.658N	16.165E	6	0.6	-	Austria
05	18:51:37.7	48.417N	22.670E	11	2.2	-	Ukraine
07	9:39:25.8	45.654N	17.311E	9	1.8	-	Croatia
07	9:40:04.2	45.627N	17.349E	9	1.8	-	Croatia
08	1:36:25.5	48.755N	19.302E	1	1.2	-	Slovakia
08	23:41:40.5	47.914N	16.434E	19	1.1	-	Austria
09	22:04:40.6	45.807N	18.457E	8	0.5	-	Beremend

**Hypocenter Parameters**

**Földrengés paraméterek**

10	22:35:31.5	48.764N	21.961E	10	1.3	-	Slovakia
11	18:47:36.1	48.741N	20.263E	10	1.1	-	Slovakia
12	12:46:47.4	45.703N	18.163E	17	1.2	-	Croatia
13	0:03:51.4	48.607N	17.625E	2	1.8	-	Slovakia
13	0:05:17.1	48.567N	17.650E	9	1.0	-	Slovakia
13	1:04:48.0	47.689N	16.051E	13	0.6	-	Austria
13	2:19:45.8	46.151N	16.109E	12	2.1	-	Croatia
13	10:45:19.7	47.756N	16.083E	7	0.6	-	Austria
13	21:35:57.2	45.877N	16.014E	7	2.5	-	Croatia
13	21:45:50.8	47.803N	16.122E	11	0.5	-	Austria
13	23:22:40.4	47.787N	16.106E	11	0.4	-	Austria
15	1:09:59.6	47.683N	16.049E	7	1.4	-	Austria
15	19:02:32.0	47.754N	16.074E	13	0.4	-	Austria
15	20:31:21.2	47.771N	16.108E	6	1.4	-	Austria
15	23:47:42.5	47.814N	16.122E	6	1.6	-	Austria
15	23:49:36.6	47.776N	16.129E	11	0.9	-	Austria
16	4:20:13.0	47.714N	16.072E	6	0.7	-	Austria
17	0:29:14.9	47.774N	16.097E	3	0.3	-	Austria
17	10:46:04.7	47.699N	16.025E	12	0.6	-	Austria
17	11:40:45.8	46.126N	16.651E	5	2.2	-	Croatia
17	19:30:22.7	47.775N	16.114E	9	0.7	-	Austria
18	4:44:47.4	47.762N	16.120E	6	1.1	-	Austria
18	8:02:09.0	47.792N	16.105E	11	0.6	-	Austria
18	9:29:53.8	46.018N	22.420E	5	1.7	-	Romania
19	9:22:17.4	47.753N	16.103E	8	0.9	-	Austria
19	18:12:56.1	47.743N	16.086E	14	0.3	-	Austria
20	16:37:35.8	47.777N	16.116E	11	1.7	-	Austria
20	16:38:08.6	47.775N	16.097E	12	0.4	-	Austria
20	16:38:31.1	47.748N	16.110E	15	0.4	-	Austria
20	16:39:02.9	47.729N	16.089E	9	0.3	-	Austria
20	17:34:06.1	47.730N	16.079E	13	0.3	-	Austria
21	8:45:45.7	46.041N	22.824E	3	1.6	-	Romania
22	0:37:51.3	45.889N	16.006E	8	2.6	-	Croatia
22	8:49:07.7	48.921N	21.042E	7	1.3	-	Slovakia
22	10:27:43.9	46.111N	21.663E	12	2.0	-	Romania
23	3:57:26.6	45.889N	16.013E	10	2.3	-	Croatia
24	22:16:43.7	46.945N	21.204E	12	1.8	-	Vésztó
25	2:37:44.0	47.770N	16.104E	8	0.5	-	Austria
25	12:23:41.7	47.773N	16.094E	8	1.6	-	Austria
25	12:24:23.0	47.757N	16.070E	12	0.7	-	Austria
25	13:10:13.3	47.758N	16.087E	11	0.8	-	Austria
25	15:44:07.2	47.740N	16.075E	2	0.7	-	Austria
25	17:07:39.2	47.754N	16.103E	15	0.6	-	Austria
25	19:21:07.4	48.606N	17.610E	5	1.9	-	Slovakia
25	20:35:02.5	47.815N	16.229E	9	1.3	-	Austria
26	4:42:34.2	48.028N	17.094E	10	1.4	-	Slovakia
27	4:32:37.0	46.180N	16.639E	12	2.0	-	Croatia
27	5:12:24.6	46.203N	16.607E	8	1.9	-	Croatia
27	5:14:43.6	46.168N	16.642E	9	1.3	-	Croatia
28	11:01:53.8	45.774N	21.829E	7	1.4	-	Romania
29	8:01:17.2	45.952N	17.743E	20	1.2	-	Bűrös
29	12:54:33.4	45.983N	17.857E	18	1.0	-	Katádfa
30	0:42:19.8	46.006N	17.870E	18	0.8	-	Bánfa

**OKTÓBER / OCTOBER, 2020**

02	1:11:37.3	47.472N	18.862E	10	1.1	-	Biatorbágy
06	11:46:22.0	45.610N	17.233E	12	1.4	-	Croatia
09	11:14:47.4	45.535N	17.344E	12	1.6	-	Croatia
09	13:07:34.9	45.507N	17.680E	12	1.4	-	Croatia
10	3:55:45.2	48.072N	20.873E	3	2.0	4	Alsózsolca

**Földrengés paraméterek**

**Hypocenter Parameters**

10	4:01:36.7	48.043N	20.866E	8	1.3	-	Kistokaj
10	12:37:38.0	47.424N	19.787E	10	2.3	4	Nagykáta
11	6:26:41.8	47.420N	19.801E	9	1.6	-	Nagykáta
11	14:27:29.6	45.967N	17.868E	18	1.3	-	Katádfa
13	3:49:59.2	45.801N	16.917E	9	2.0	-	Croatia
15	22:22:57.8	47.846N	16.239E	7	2.0	-	Austria
19	9:50:04.8	48.065N	20.885E	6	2.7	4-5	Alsózsolca
21	15:44:48.4	48.110N	20.878E	13	1.1	-	Felsőzsolca
22	10:19:09.0	45.541N	17.362E	13	1.4	-	Croatia
23	12:25:55.9	45.532N	17.292E	10	1.4	-	Croatia
23	19:24:45.0	48.316N	22.295E	14	1.4	-	Lónya
24	21:59:55.2	45.918N	16.045E	10	1.7	-	Croatia
28	9:18:41.0	47.529N	19.972E	11	1.8	-	Jászjákóhalma
28	22:58:07.1	46.185N	16.641E	7	2.1	-	Croatia
31	0:13:45.8	47.717N	16.116E	1	0.6	-	Austria
31	0:15:02.2	47.743N	16.167E	17	0.9	-	Austria

NOVEMBER / NOVEMBER, 2020

02	13:31:31.0	46.629N	22.053E	6	2.6	-	Romania
03	6:06:54.2	46.604N	22.128E	13	1.6	-	Romania
04	18:00:35.8	45.644N	21.154E	10	1.7	-	Romania
06	21:32:58.2	45.892N	22.854E	0	1.7	-	Romania
06	23:40:46.0	45.901N	22.812E	1	1.7	-	Romania
10	20:17:55.0	47.313N	18.265E	3	0.0	-	Fehérvárcsurgó
13	4:29:07.9	45.691N	17.771E	18	1.4	-	Croatia
13	10:06:23.3	48.412N	17.277E	7	2.1	-	Slovakia
15	0:12:29.7	45.790N	21.953E	14	0.8	-	Romania
15	0:24:30.9	45.790N	21.920E	11	0.7	-	Romania
15	22:35:12.3	46.912N	21.218E	7	2.2	-	Vésztő
16	12:33:37.1	45.709N	18.080E	17	1.2	-	Croatia
16	18:31:11.4	46.907N	21.195E	14	1.7	-	Bélmegyer
18	14:15:55.9	45.523N	18.443E	13	1.3	-	Croatia
19	13:11:36.1	47.790N	19.651E	20	0.7	-	Zagyvaszántó
20	21:02:11.7	45.623N	21.256E	12	2.1	-	Romania
21	12:57:39.5	48.560N	22.983E	15	1.8	-	Ukraine
21	18:26:40.6	47.768N	16.165E	15	0.7	-	Austria
21	21:31:04.0	47.297N	18.316E	5	0.0	-	Magyaralmás
22	5:00:11.2	45.885N	16.028E	10	2.5	-	Croatia
22	5:10:39.3	45.909N	16.016E	5	2.1	-	Croatia
22	14:30:27.4	46.113N	22.481E	0	1.7	-	Romania
24	5:16:08.1	48.049N	16.887E	13	1.8	-	Austria
24	10:10:56.5	45.687N	22.068E	5	1.8	-	Romania
24	10:54:56.7	48.654N	20.710E	7	1.3	-	Slovakia
27	12:04:08.0	45.572N	17.312E	12	1.5	-	Croatia
30	8:42:31.7	47.857N	18.754E	14	1.5	-	Slovakia
30	12:29:31.7	46.113N	16.329E	9	2.2	-	Croatia
30	19:18:37.3	47.720N	18.351E	12	1.8	-	Neszmély

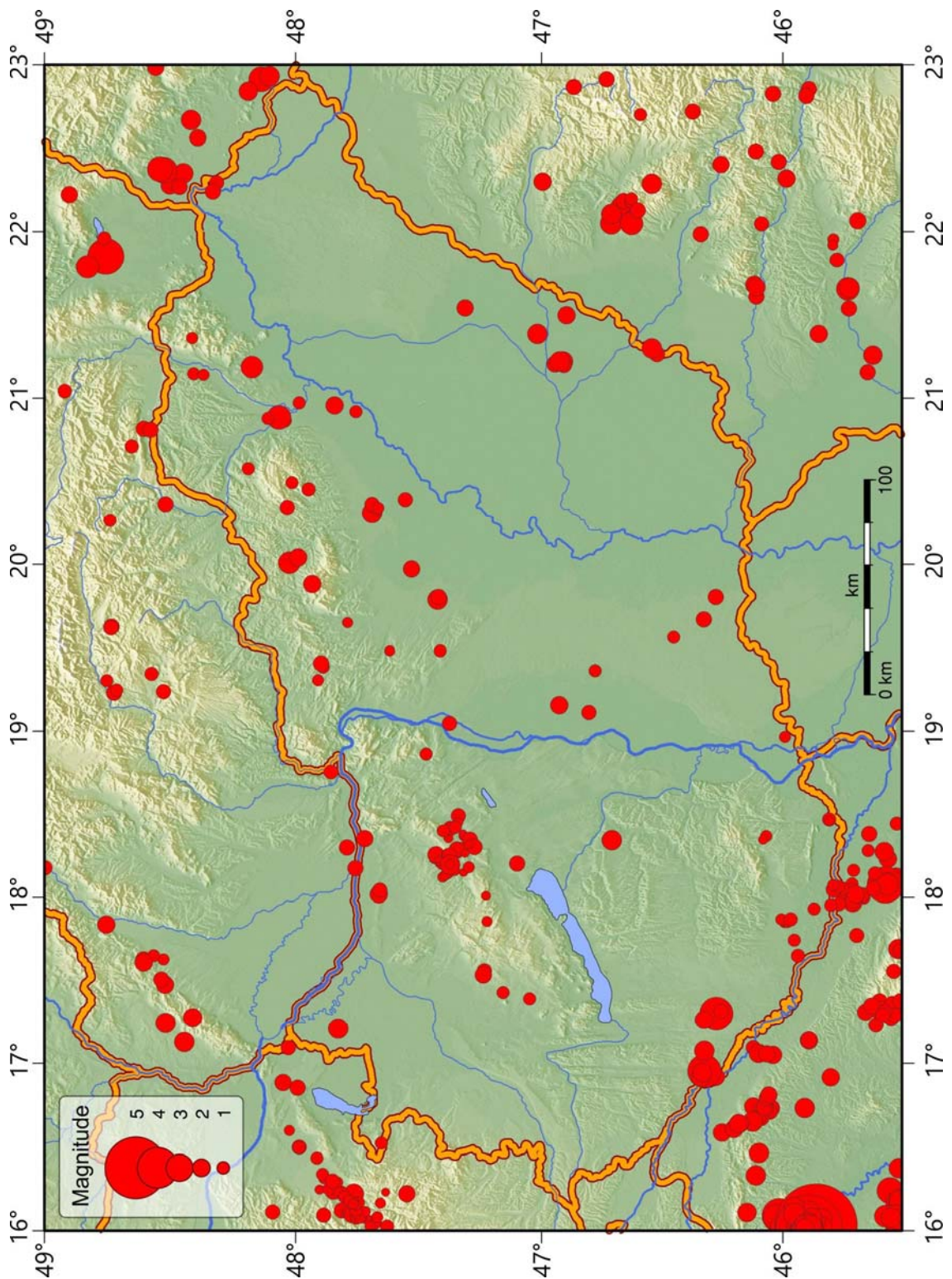
DECEMBER / DECEMBER, 2020

02	3:42:50.6	47.377N	18.253E	10	1.4	-	Mór
06	14:02:18.1	47.352N	18.159E	4	0.3	-	Nagyveleg
06	19:30:23.5	45.576N	18.275E	9	2.1	-	Croatia
07	14:36:05.2	47.865N	16.251E	15	1.1	-	Austria
08	4:25:09.0	45.746N	17.997E	8	1.2	-	Croatia
10	8:25:34.0	45.666N	18.015E	6	1.5	-	Croatia
10	11:49:24.5	45.582N	17.293E	11	1.5	-	Croatia
11	5:27:32.4	48.092N	16.114E	12	1.5	-	Austria
11	15:12:25.2	47.755N	16.122E	2	1.0	-	Austria
11	15:20:12.0	47.825N	16.235E	14	0.6	-	Austria
11	15:20:39.3	47.765N	16.173E	14	0.6	-	Austria

**Hypocenter Parameters**

**Földrengés paraméterek**











11	15:21:57.8	47.801N	16.203E	17	1.2	-	Austria
11	15:24:25.9	47.783N	16.180E	13	0.9	-	Austria
11	15:31:03.6	47.756N	16.154E	14	0.6	-	Austria
11	15:59:07.4	47.766N	16.159E	13	0.7	-	Austria
13	11:03:58.8	48.025N	20.008E	4	2.4	-	Ivád
13	12:08:59.7	47.990N	20.040E	5	1.9	-	Mátraballa
13	19:23:13.1	47.987N	16.497E	14	1.2	-	Austria
13	19:37:50.3	46.925N	21.219E	11	2.3	-	Vésztő
14	1:57:34.2	47.630N	16.025E	1	1.3	-	Austria
15	2:34:32.6	46.041N	17.051E	12	1.9	-	Croatia
15	3:13:06.9	46.067N	17.056E	14	1.8	-	Croatia
15	8:47:34.6	46.258N	22.404E	2	1.8	-	Romania
16	0:15:36.8	45.708N	17.970E	5	2.1	-	Croatia
16	4:49:14.8	45.723N	21.536E	7	1.7	-	Romania
16	5:01:21.5	45.730N	21.646E	0	2.3	-	Romania
16	9:39:15.8	45.728N	21.654E	1	2.6	-	Romania
16	12:56:10.3	45.721N	21.661E	4	2.2	-	Romania
17	18:25:55.0	47.670N	16.081E	7	0.8	-	Austria
18	13:19:35.5	45.509N	17.380E	13	1.5	-	Croatia
18	17:20:53.6	45.715N	18.046E	12	1.1	-	Croatia
19	0:31:36.9	45.752N	18.052E	8	1.3	-	Croatia
19	3:40:11.3	45.766N	17.958E	12	1.3	-	Croatia
19	5:54:52.2	46.258N	17.317E	14	1.4	-	Nagyatád
19	15:16:37.4	45.786N	18.048E	12	1.6	-	Cún
20	17:43:33.6	45.620N	18.053E	6	1.5	-	Croatia
22	8:45:07.6	45.799N	17.954E	19	1.0	-	Piskó
22	19:52:28.0	45.766N	18.065E	17	1.2	-	Cún
23	10:16:49.2	47.830N	16.291E	14	0.6	-	Austria
23	10:25:52.3	47.850N	16.297E	9	1.4	-	Austria
24	9:57:44.2	47.374N	18.197E	11	2.2	-	Mór
24	10:54:15.4	46.330N	19.668E	9	1.6	-	Pusztamérges
24	15:34:00.7	48.756N	17.838E	1	2.0	-	Slovakia
24	16:21:16.8	47.985N	20.972E	10	1.0	-	Girincs
25	5:22:46.4	47.234N	17.559E	5	1.5	-	Döbrönte
25	5:42:33.7	47.237N	17.536E	6	1.8	-	Ganna
25	14:11:23.7	45.788N	18.073E	18	0.8	-	Cún
26	0:59:20.1	45.708N	17.978E	9	1.5	-	Croatia
26	16:47:01.0	47.375N	18.200E	6	0.4	-	Mór
28	10:43:29.1	45.694N	18.017E	10	1.9	-	Croatia
29	21:57:36.2	45.550N	16.239E	8	2.9	-	Croatia
30	1:11:37.3	45.525N	16.027E	5	2.4	-	Croatia
30	2:17:28.2	45.519N	16.167E	13	2.6	-	Croatia
30	2:17:53.5	45.570N	16.088E	13	2.4	-	Croatia
30	4:22:48.6	45.510N	16.184E	11	2.5	-	Croatia
30	20:50:11.5	45.507N	16.176E	8	2.5	-	Croatia
31	1:51:38.3	45.513N	16.375E	13	2.2	-	Croatia
31	2:11:22.1	47.372N	18.415E	8	1.5	-	Gánt
31	2:30:45.0	47.339N	18.452E	6	0.3	-	Zámoly
31	3:31:29.4	47.376N	18.415E	9	0.7	-	Gánt
31	3:33:49.7	47.352N	18.420E	4	1.2	-	Gánt
31	6:04:33.0	47.401N	18.399E	8	1.1	-	Gánt
31	7:51:28.8	46.099N	16.465E	12	2.3	-	Croatia
31	16:52:09.6	45.529N	16.098E	12	2.2	-	Croatia
31	20:54:14.8	48.330N	22.241E	11	1.6	-	Tiszaugyörös
31	22:40:55.2	45.545N	16.076E	11	2.2	-	Croatia



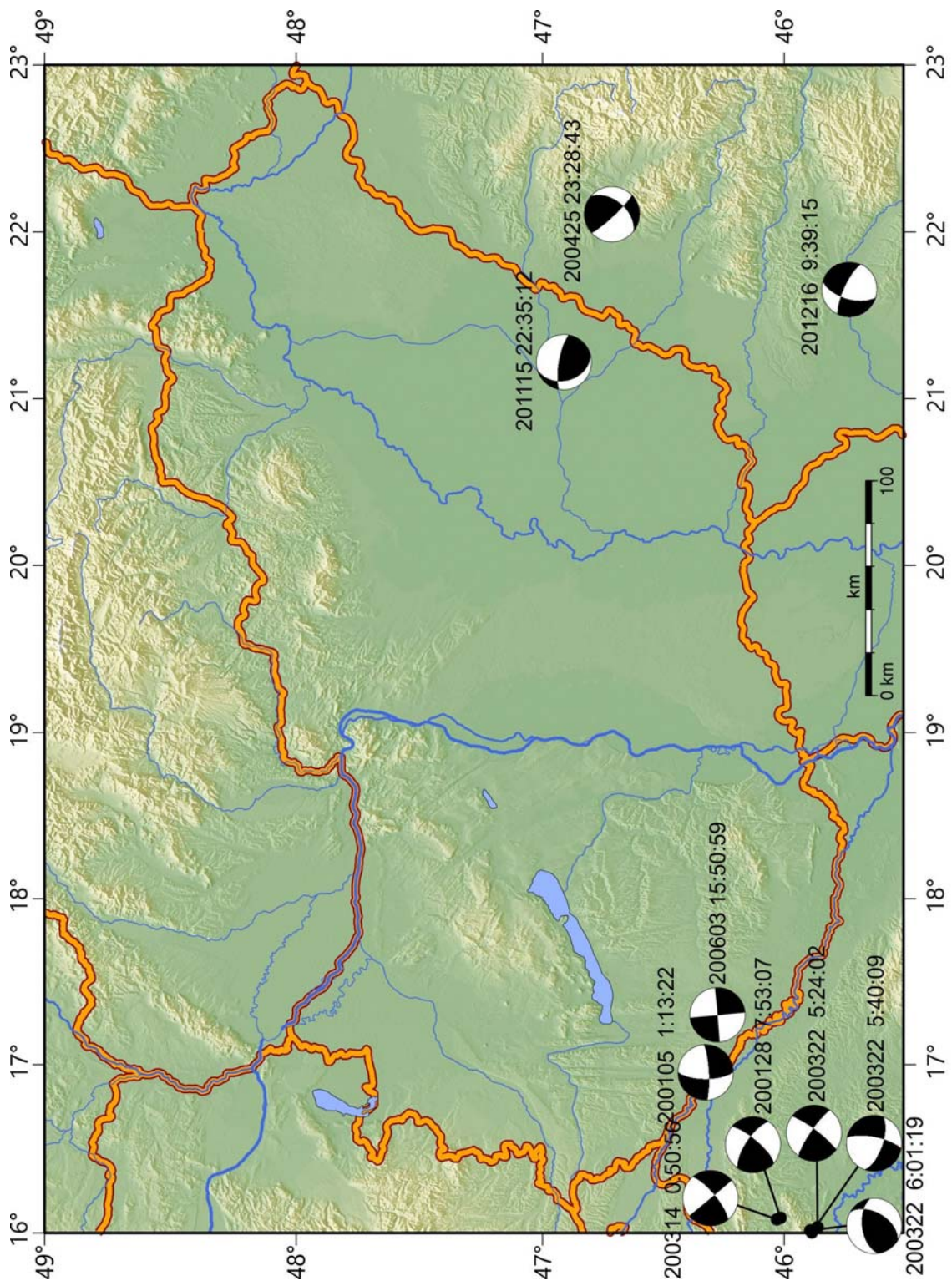
3.1. ábra A 2020-ban regisztrált földrengések epicentrumai

Figure 3.1. Epicenters of 2020 earthquakes

A 2020-ban regisztrált földrengések fészekmechanizmusai  
 Fault plane solutions of 2020 earthquakes

No	Date	Time	Epicentre		1st nodal plane			P axis		T axis		
			Lat	Lon	Strike	Dip	Rake	Azim	Plunge	Azim	Plunge	
1	2020.01.05.	01:13:22	46.32	16.95	180	70	-170	42	21	135	7	
2	2020.01.28.	07:53:07	46.01	16.09	40	75	20	172	3	263	25	
3	2020.03.14.	00:50:56	46.03	16.08	50	75	0	6	11	274	11	
4	2020.03.22.	05:24:02	45.86	16.03	305	80	170	171	0	261	14	
5	2020.03.22.	05:40:09	45.88	16.00	110	65	-160	329	31	62	5	
6	2020.03.22.	06:01:19	45.89	16.01	30	50	50	327	2	233	60	
7	2020.04.25.	23:28:43	46.71	22.10	40	50	170	262	21	6	33	
8	2020.06.03.	15:50:59	46.27	17.30	355	90	-180	40	0	310	0	
9	2020.11.15.	22:35:12	46.91	21.21	280	75	60	33	24	156	51	
10	2020.12.16.	09:39:15	45.72	21.65	295	75	-150	159	32	63	9	





3.2. ábra A 2020-ban regisztrált földrengések fészekmechanizmusai

Figure 3.2. Fault plane solutions of 2020 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, 2020				
07	11:13:34.0	48.620N 20.760E	1.7	Slovakia
08	9:40:46.8	48.542N 20.781E	1.8	Bódvalenke
09	8:45:05.2	47.299N 18.323E	1.0	Magyaralmás
09	9:31:04.8	48.069N 20.723E	1.8	Miskolctapolca
09	10:58:25.1	48.565N 20.775E	2.1	Tornanádaska
10	9:23:52.1	47.455N 18.674E	1.2	Alcsútdoboz
10	10:26:41.3	48.597N 20.768E	1.7	Slovakia
13	9:29:26.2	46.114N 17.982E	1.7	Dinnyeberki
13	9:54:52.6	48.572N 20.747E	1.8	Tornanádaska
14	9:47:56.0	46.180N 18.288E	1.3	Zobákpuszta
14	11:08:21.6	47.346N 18.448E	1.9	Gánt
14	11:23:56.5	47.342N 18.462E	1.7	Lovasberény
16	7:20:35.1	47.312N 18.326E	1.2	Söréd
16	9:07:09.3	48.055N 20.721E	1.5	Miskolctapolca
16	10:12:03.8	46.824N 17.352E	1.6	Nemesvita
16	11:45:53.0	47.351N 18.402E	2.1	Gánt
17	8:54:11.3	47.088N 18.033E	1.3	Királyszentistván
17	9:32:05.0	48.026N 20.285E	1.3	Egerbocs
17	9:41:28.4	48.553N 20.741E	1.6	Komjáti
17	11:37:37.7	48.625N 20.820E	1.6	Slovakia
20	10:41:33.6	48.528N 20.778E	1.8	Tornaszentandrás
21	9:58:09.0	48.589N 20.758E	1.8	Slovakia
22	10:17:34.6	48.228N 21.264E	2.1	Tállya
22	10:23:01.8	47.336N 18.431E	1.5	Zámoly
23	9:03:52.2	46.001N 22.828E	1.8	Romania
24	9:49:11.8	48.597N 20.762E	1.8	Slovakia
27	9:06:58.5	48.697N 20.798E	1.6	Slovakia
27	10:10:52.5	47.791N 19.061E	1.9	Dunabogdány
28	9:25:34.1	47.035N 17.960E	1.4	Szentkirályszabadja
28	9:52:02.9	48.578N 20.755E	1.6	Tornanádaska
28	10:40:55.1	48.672N 20.378E	1.5	Slovakia
29	9:24:02.8	47.561N 18.648E	1.7	Gyermely
29	9:37:24.4	48.189N 21.225E	2.4	Ond
30	9:46:21.8	46.854N 17.263E	2.3	Vállus
30	10:16:31.6	47.330N 18.448E	2.3	Zámoly
30	10:29:51.9	47.329N 18.450E	1.4	Zámoly
30	10:49:49.8	48.507N 20.726E	1.5	Bódvarákó
31	10:33:40.5	48.608N 20.775E	1.6	Slovakia
FEBRUÁR / FEBRUARY, 2020				
01	9:34:57.0	46.178N 18.300E	1.0	Zobákpuszta
03	12:38:06.7	47.224N 18.283E	0.5	Iszkaszentgyörgy
04	7:05:42.3	47.293N 18.358E	0.8	Magyaralmás
04	8:34:24.2	46.830N 17.334E	2.2	Lesencefalu
04	9:10:13.0	48.549N 20.808E	1.6	Bódvalenke
05	10:19:26.4	47.203N 18.286E	0.8	Csór



**Földrengés paraméterek**

**Hypocenter Parameters**

06	8:34:27.0	47.353N	18.418E	1.7	Gánt
06	8:35:43.6	47.326N	18.407E	1.6	Zámoly
06	12:42:58.3	48.379N	19.849E	1.8	Slovakia
07	10:02:58.3	48.566N	20.810E	1.6	Tornanádaska
08	10:48:32.1	48.535N	20.793E	1.4	Bódvalenke
10	9:31:01.3	47.189N	18.327E	1.0	Székesfehérvár
11	7:59:37.5	47.277N	18.361E	1.5	Magyaralmás
11	9:12:23.3	48.590N	20.735E	1.8	Slovakia
12	9:54:40.3	47.096N	18.056E	1.5	Vilonya
12	10:38:04.8	47.181N	18.291E	0.5	Sárkeszi
13	10:33:54.1	48.580N	20.743E	1.7	Slovakia
13	11:28:53.7	47.207N	18.273E	0.6	Csór
14	10:09:02.7	48.599N	20.760E	1.7	Slovakia
15	9:42:53.6	46.159N	18.315E	0.6	Zobákpuszt
15	9:54:28.5	48.568N	20.816E	1.8	Hidvégdárdó
17	9:31:02.6	47.814N	19.833E	1.3	Gyöngyöstarján
17	9:37:02.0	48.564N	20.783E	1.9	Tornanádaska
17	10:18:41.0	47.203N	18.286E	0.6	Csór
17	10:29:34.2	47.533N	18.503E	1.4	Szárliget
18	10:36:50.0	48.136N	21.472E	1.9	Rakamaz
18	10:44:16.6	47.188N	18.304E	0.8	Székesfehérvár
18	10:55:55.0	48.594N	20.750E	1.6	Slovakia
19	8:15:20.8	47.323N	17.634E	1.2	Ugod
19	9:20:01.7	47.080N	17.955E	0.9	Veszprém
20	9:06:29.6	46.818N	17.302E	1.9	Vállus
20	9:43:32.2	48.546N	19.338E	1.9	Slovakia
20	10:18:15.2	48.444N	19.550E	1.9	Slovakia
20	10:53:27.6	47.317N	18.430E	1.6	Zámoly
20	11:09:10.0	48.587N	20.759E	1.6	Slovakia
20	12:37:01.8	48.528N	21.699E	1.8	Slovakia
21	9:40:23.8	48.590N	20.709E	1.7	Slovakia
24	10:06:18.2	48.167N	21.152E	1.7	Legyesbénye
24	10:06:54.8	48.214N	21.122E	1.6	Monok
24	10:25:01.4	48.589N	20.780E	1.9	Slovakia
24	11:12:28.6	47.221N	18.287E	0.6	Iszkaszentgyörgy
24	11:15:22.7	48.167N	21.127E	1.6	Legyesbénye
24	11:48:07.7	48.236N	21.139E	1.7	Golop
25	6:47:41.5	47.260N	18.362E	0.9	Sárkereszt
25	8:52:20.5	48.540N	19.317E	2.0	Slovakia
25	9:15:37.0	45.880N	18.381E	1.4	Kisharsány
25	9:25:05.7	47.567N	18.446E	1.4	Tatabánya
25	9:59:20.4	48.597N	20.753E	1.7	Slovakia
25	11:17:17.6	47.243N	18.271E	0.7	Iszkaszentgyörgy
26	9:04:17.4	48.355N	19.004E	2.0	Slovakia
26	9:27:06.3	47.850N	19.105E	1.6	Szendehely
26	10:22:52.9	46.967N	17.281E	1.9	Sümeprága
26	12:26:05.0	48.407N	20.638E	1.3	Felsőtelekes
27	10:05:00.2	48.347N	19.860E	1.7	Slovakia
27	10:57:47.8	48.601N	20.789E	1.6	Slovakia
27	14:55:39.7	47.173N	19.229E	1.4	Bugyi
28	10:03:20.1	47.191N	18.276E	0.9	Sárkeszi
29	9:33:40.0	46.192N	18.258E	1.0	Komló

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02	9:28:04.1	47.413N	18.739E	1.0	Pusztazámor
02	10:22:13.1	47.202N	18.279E	0.6	Csór
02	10:37:10.9	48.590N	20.754E	1.8	Slovakia
03	9:19:02.0	47.873N	19.179E	1.4	Ósagárd
03	10:05:34.4	47.835N	20.120E	2.0	Domoszló
03	10:43:39.6	47.189N	18.288E	0.8	Sárkeszi

**Hypocenter Parameters**

**Földrengés paraméterek**

04	6:33:25.3	47.598N	18.344E	1.2	Vértesszőlős
04	10:21:08.5	48.599N	20.745E	1.6	Slovakia
04	11:29:57.3	47.221N	18.266E	0.7	Iszkaszentgyörgy
05	8:46:13.9	46.106N	18.019E	1.5	Bükkösd
05	10:19:26.6	47.106N	18.042E	1.2	Királyszentistván
05	13:34:02.6	46.769N	17.298E	1.7	Gyenesdiás
06	13:00:41.1	48.127N	20.790E	1.2	Miskolc
09	10:17:57.9	47.490N	18.541E	1.4	Óbarok
09	10:20:48.5	48.448N	21.344E	1.7	Telkibánya
09	10:58:24.8	48.622N	20.787E	1.7	Slovakia
10	7:59:49.1	47.835N	19.908E	1.7	Gyöngyösoroszi
10	8:31:08.3	47.718N	18.571E	1.7	Bajót
10	9:33:01.8	47.094N	17.383E	1.5	Somlóvásárhely
10	10:09:24.8	48.595N	20.785E	1.7	Slovakia
10	10:13:06.6	48.253N	21.191E	2.1	Abaújszántó
10	10:50:55.7	47.262N	18.228E	0.6	Kincsesbánya
10	12:17:36.7	47.849N	20.191E	1.6	Tarnaszentmária
11	10:56:14.4	47.169N	18.292E	1.1	Sárkeszi
12	8:14:22.3	47.095N	17.907E	1.4	Veszprém
12	10:28:34.9	47.196N	18.286E	0.8	Sárkeszi
12	10:29:49.1	48.612N	20.758E	1.9	Slovakia
13	7:50:42.0	48.061N	20.718E	1.6	Miskolctapolca
13	8:33:20.9	46.035N	22.819E	1.8	Romania
13	10:51:49.9	48.583N	20.686E	1.6	Slovakia
13	11:14:54.5	47.091N	18.006E	0.9	Litér
16	9:37:34.7	47.916N	19.377E	1.8	Becske
16	10:17:50.8	48.579N	20.691E	1.5	Slovakia
16	10:57:47.3	47.329N	18.454E	1.5	Zámoly
16	11:15:59.1	47.323N	18.424E	2.0	Zámoly
17	9:18:18.5	47.970N	20.364E	1.2	Szarvaskő
17	9:53:19.6	46.162N	18.302E	0.8	Zobákpuszta
17	10:06:16.0	48.610N	20.729E	1.7	Slovakia
17	10:22:10.9	47.195N	18.271E	0.7	Csór
18	8:03:14.2	47.355N	18.428E	1.0	Gánt
18	8:47:45.2	48.061N	20.688E	1.5	Miskolctapolca
18	9:23:33.5	47.339N	18.414E	1.9	Zámoly
18	10:39:58.4	47.195N	18.284E	1.2	Sárkeszi
18	10:46:16.8	48.611N	20.729E	1.8	Slovakia
18	10:53:29.5	48.447N	19.116E	1.8	Slovakia
19	10:20:39.0	47.200N	18.290E	0.8	Székesfehérvár
19	12:58:54.3	47.890N	20.135E	1.6	Tarnaszentmária
20	8:30:15.7	47.721N	19.994E	1.7	Adács
20	11:19:39.1	48.881N	21.294E	1.8	Slovakia
23	7:16:22.7	47.211N	18.188E	0.7	Bakonykúti
23	7:19:23.2	47.198N	18.180E	0.6	Csór
23	10:28:04.3	48.585N	20.771E	1.6	Slovakia
24	10:02:37.3	47.220N	18.294E	1.1	Moha
24	13:36:19.4	48.182N	21.319E	2.1	Bodrogkisfalud
25	7:18:41.0	47.261N	17.670E	1.0	Németbánya
25	7:30:04.4	47.274N	17.671E	0.7	Homokbödöge
25	7:48:31.1	48.347N	21.445E	1.9	Komlóska
25	8:32:44.3	47.700N	18.488E	1.7	Héreg
25	9:26:38.5	47.070N	18.001E	1.1	Balatonfűzfő
25	10:19:20.5	48.561N	20.753E	1.7	Komjáti
25	10:21:36.8	47.190N	18.309E	1.0	Székesfehérvár
26	8:21:54.3	48.067N	20.717E	1.4	Miskolctapolca
26	8:36:59.6	46.938N	17.416E	1.4	Sáska
26	9:53:15.5	47.694N	18.724E	1.3	Csolnok
26	10:03:48.2	47.832N	19.408E	1.8	Galgaguta
26	10:18:16.4	48.576N	20.723E	1.5	Slovakia

**Földrengés paraméterek**

**Hypocenter Parameters**

26	12:24:54.5	48.404N	20.647E	1.2	Alsótelkes
27	9:53:15.5	47.201N	18.304E	1.1	Székesfehérvár
27	10:43:24.5	48.215N	21.267E	2.0	Mád
30	6:40:13.7	47.367N	17.627E	1.0	Csót
30	7:20:02.5	48.534N	19.471E	1.9	Slovakia
30	8:54:38.0	48.559N	20.733E	1.6	Komjáti
30	9:54:22.7	48.510N	19.476E	1.6	Slovakia
31	9:01:02.2	48.972N	20.199E	1.9	Slovakia
31	9:14:21.8	47.290N	18.408E	1.4	Zámoly
31	9:17:53.0	47.215N	18.279E	0.5	Iszkaszentgyörgy
31	9:20:22.8	47.003N	17.416E	1.9	Nyirád
31	9:47:01.0	47.332N	18.431E	1.5	Zámoly
31	10:03:58.6	47.516N	18.439E	1.2	Várgesztes

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01	10:30:07.7	47.351N	18.305E	0.9	Csákberény
01	10:31:06.9	47.317N	18.327E	1.5	Söréd
02	8:36:29.1	46.125N	18.028E	1.1	Bükkösd
02	9:33:21.2	48.249N	19.845E	1.9	Slovakia
02	9:37:58.4	47.200N	18.298E	0.9	Székesfehérvár
02	9:53:31.5	47.550N	16.323E	1.7	Austria
02	10:25:24.7	47.853N	20.142E	1.7	Kisnána
02	10:32:56.7	48.220N	21.214E	2.0	Rátka
02	10:49:07.3	48.225N	21.233E	2.1	Rátka
03	5:59:54.0	47.264N	17.633E	1.2	Homokbödöge
03	7:59:28.8	47.669N	18.743E	1.4	Leányvár
03	9:22:02.1	47.291N	17.633E	1.4	Homokbödöge
06	6:30:14.0	47.282N	18.366E	1.1	Magyaralmás
06	9:25:38.0	47.071N	17.985E	1.5	Litér
06	9:36:05.9	48.604N	20.739E	1.7	Slovakia
07	7:07:36.8	48.047N	20.326E	1.2	Mikófalva
07	8:48:20.6	48.564N	20.768E	1.6	Tornanádaska
07	9:11:31.6	47.086N	18.103E	0.9	Papkeszi
07	9:33:16.0	48.385N	19.832E	1.3	Slovakia
07	9:45:06.6	47.250N	18.238E	0.8	Kincsesbánya
07	10:18:17.0	47.322N	18.435E	1.8	Zámoly
08	8:05:14.9	47.707N	18.531E	1.9	Bajót
08	8:11:27.6	48.540N	20.676E	1.6	Szögliget
08	9:40:28.1	47.203N	18.303E	0.8	Székesfehérvár
09	8:07:04.2	47.712N	18.734E	1.4	Csolnok
09	8:40:45.6	45.885N	18.382E	1.5	Palkonya
09	10:55:08.3	47.854N	20.169E	1.7	Tarnaszentmária
14	7:14:14.6	48.073N	20.680E	1.3	Bükkszentlászló
14	9:04:34.1	47.202N	18.303E	1.3	Székesfehérvár
14	9:08:38.5	46.178N	18.286E	1.1	Zobákpuszt
14	9:50:02.1	47.327N	18.444E	1.6	Zámoly
15	8:01:01.8	47.846N	19.080E	1.4	Szendehely
15	9:09:34.5	47.542N	16.354E	1.4	Austria
15	9:25:03.7	46.903N	17.347E	1.8	Lesenceistvánd
15	9:39:28.3	47.188N	18.275E	0.7	Sárkeszi
16	6:07:02.6	47.195N	18.222E	0.8	Csór
16	6:10:34.7	47.190N	18.202E	0.7	Csór
16	10:25:20.0	48.546N	20.765E	1.8	Komjáti
16	14:43:08.6	47.307N	18.323E	0.3	Magyaralmás
17	6:17:03.8	47.312N	17.647E	1.3	Homokbödöge
17	7:09:48.9	48.187N	21.325E	1.5	Bodrogkisfalud
17	7:14:37.7	47.330N	17.635E	1.1	Béb
17	10:17:29.0	48.595N	20.758E	1.9	Slovakia
17	10:37:43.8	47.416N	18.442E	1.7	Csákvár
18	8:28:22.1	46.176N	18.296E	1.2	Zobákpuszt

**Hypocenter Parameters**

**Földrengés paraméterek**

20	9:03:59.8	47.339N	18.428E	1.5	Zámoly
20	9:09:02.0	47.841N	19.153E	1.8	Ósagárd
20	9:16:24.0	47.081N	18.045E	1.5	Papkeszi
20	9:18:05.6	47.300N	18.428E	1.8	Zámoly
20	12:19:59.2	47.087N	17.988E	1.5	Litér
21	7:34:54.8	48.066N	20.685E	1.5	Bükkszentlászló
21	10:19:31.5	46.119N	18.038E	1.2	Bükkösd
22	6:01:18.5	47.355N	17.635E	0.9	Csót
22	7:55:57.9	47.323N	18.447E	1.6	Zámoly
22	9:53:58.7	47.218N	18.287E	0.6	Iszkaszentgyörgy
22	9:55:22.8	47.211N	18.283E	0.8	Iszkaszentgyörgy
22	13:13:10.2	47.834N	20.136E	1.7	Kisnána
23	6:09:40.0	47.158N	18.202E	0.8	Ósi
23	6:19:02.7	47.195N	18.211E	1.1	Csór
23	7:02:57.6	48.313N	21.520E	1.8	Hercegkút
23	8:49:35.4	48.565N	20.798E	1.5	Tornanádaska
23	10:31:09.1	48.468N	19.598E	1.4	Slovakia
24	8:07:05.9	48.591N	20.730E	1.5	Slovakia
24	8:11:51.2	47.204N	18.297E	1.2	Székesfehérvár
24	9:05:04.6	48.229N	21.260E	2.1	Tállya
25	11:04:24.5	48.618N	20.809E	1.4	Slovakia
27	9:05:21.8	48.363N	19.800E	1.8	Slovakia
27	9:07:48.2	47.931N	20.044E	2.0	Bodony
27	9:50:04.5	46.836N	17.349E	1.9	Lesencefalu
27	11:23:14.0	46.815N	17.361E	1.6	Nemesvita
28	6:16:42.4	47.290N	18.330E	1.0	Magyaralmás
28	7:33:46.5	47.274N	18.368E	1.0	Sárkeresztes
28	8:39:54.8	47.348N	18.474E	1.5	Lovasberény
28	8:48:44.0	46.241N	18.233E	1.0	Mecsekpölöske
28	8:53:08.3	47.314N	18.417E	1.3	Zámoly
28	9:43:42.7	47.194N	18.297E	0.9	Székesfehérvár
29	7:11:05.9	47.079N	18.060E	1.0	Papkeszi
29	8:06:22.2	47.550N	18.509E	1.3	Szárliget
29	8:09:56.7	47.749N	18.667E	1.1	Tát
29	8:28:08.3	48.539N	20.806E	1.4	Bódvalenke
30	8:05:59.5	47.602N	18.553E	1.1	Tarján
30	9:00:18.1	48.217N	21.244E	2.4	Rátka

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04	7:52:13.7	47.009N	17.961E	1.2	Felsőörs
04	8:51:31.3	47.317N	18.441E	1.9	Zámoly
04	9:06:15.4	47.574N	16.315E	0.9	Austria
04	9:35:30.6	48.590N	20.750E	1.5	Slovakia
04	11:40:21.8	48.272N	19.863E	1.7	Slovakia
04	15:13:23.4	47.078N	19.437E	1.5	Tatárszentgyörgy
05	9:21:53.8	47.221N	18.292E	1.0	Moha
06	8:43:59.1	48.598N	20.759E	1.6	Slovakia
06	12:58:50.1	47.899N	20.125E	1.9	Recsk
07	7:25:52.7	47.331N	18.421E	1.3	Zámoly
07	9:51:58.7	47.188N	18.301E	1.0	Székesfehérvár
07	11:30:20.1	48.400N	19.635E	1.8	Slovakia
08	8:33:20.7	47.863N	19.447E	1.9	Bercel
08	8:38:38.7	47.555N	16.298E	1.6	Austria
08	8:42:15.0	46.914N	17.310E	1.5	Sümegeprága
11	6:56:06.2	47.079N	18.328E	1.2	Kőszárhegy
11	8:58:41.3	48.500N	17.467E	1.8	Slovakia
11	9:09:40.1	48.607N	20.773E	1.8	Slovakia
11	9:19:02.1	47.756N	19.026E	1.5	Dunabogdány
11	9:27:49.0	46.222N	18.266E	1.4	Kisbattyán
12	7:25:57.7	47.838N	19.864E	1.9	Gyöngyösoroszi

**Földrengés paraméterek**

**Hypocenter Parameters**

12	8:06:05.5	47.863N	19.133E	1.4	Nőtincs
12	9:02:12.9	47.223N	18.289E	0.6	Iszkaszentgyörgy
12	10:21:18.6	48.835N	21.494E	2.0	Slovakia
13	7:51:48.6	45.870N	18.399E	1.4	Kisharsány
13	8:11:43.0	48.052N	20.702E	1.3	Miskolctapolca
13	9:55:19.6	48.879N	20.965E	1.9	Slovakia
13	10:26:15.7	46.789N	17.378E	1.5	Balatonederics
14	5:20:57.1	47.288N	18.338E	1.1	Magyaralmás
14	7:31:53.3	47.331N	18.421E	1.5	Zámoly
14	8:29:16.3	46.818N	17.291E	2.2	Vállus
14	9:19:09.8	48.200N	21.221E	1.9	Rátka
14	15:59:39.4	47.561N	16.338E	1.7	Austria
15	8:22:24.6	47.945N	19.359E	1.7	Magyarnándor
16	8:58:33.5	46.192N	18.280E	1.3	Komló
18	8:39:57.4	47.862N	19.133E	1.6	Nőtincs
18	8:59:28.2	47.534N	16.310E	1.4	Austria
18	9:07:04.8	48.475N	19.359E	1.7	Slovakia
18	9:43:38.0	48.442N	19.630E	1.7	Slovakia
18	9:56:19.5	47.221N	18.248E	1.1	Iszkaszentgyörgy
18	11:01:57.9	47.910N	20.118E	1.6	Recsk
18	11:04:22.7	48.222N	19.862E	1.6	Slovakia
19	5:19:05.7	47.302N	17.624E	1.2	Homokbödöge
19	7:21:45.1	47.333N	18.463E	1.1	Lovasberény
19	8:06:03.8	48.753N	20.788E	1.7	Slovakia
19	9:41:13.0	48.447N	19.564E	1.4	Slovakia
19	10:14:48.0	48.894N	20.596E	1.6	Slovakia
20	8:17:10.8	47.336N	18.424E	2.0	Zámoly
20	8:30:01.5	48.418N	17.180E	1.6	Slovakia
20	9:33:40.6	47.271N	18.239E	0.6	Kincsesbánya
20	9:57:34.1	48.460N	17.448E	2.2	Slovakia
21	8:03:44.3	47.196N	18.303E	1.0	Székesfehérvár
21	8:39:14.4	48.554N	20.834E	1.5	Hidvégdó
21	9:07:00.2	48.426N	19.201E	1.1	Slovakia
21	9:24:18.3	47.222N	18.303E	1.2	Moha
21	10:00:47.2	48.251N	21.208E	2.0	Abaújszántó
22	7:23:22.9	47.523N	18.640E	1.2	Mány
22	8:52:49.0	47.568N	18.482E	1.4	Tatabánya
22	11:34:19.1	48.942N	21.359E	1.7	Slovakia
25	7:32:12.6	47.094N	18.037E	1.5	Királyszentistván
25	7:38:31.5	48.539N	19.372E	1.1	Slovakia
25	9:55:48.7	48.481N	19.580E	0.6	Slovakia
25	12:12:23.0	47.838N	19.818E	1.0	Gyöngyöspata
25	12:13:51.9	47.810N	19.844E	1.1	Gyöngyöstarján
26	7:56:28.6	47.346N	18.271E	0.4	Csókakó
26	7:58:47.5	48.600N	20.775E	1.4	Slovakia
26	9:00:30.8	47.676N	18.761E	1.2	Leányvár
26	9:23:22.0	47.854N	19.088E	1.3	Szendehely
26	9:25:07.0	46.166N	18.287E	0.9	Zobákpusztá
27	7:01:22.4	48.297N	21.515E	1.4	Bodrogolaszi
27	8:44:12.2	48.883N	20.457E	2.0	Slovakia
27	8:45:21.8	47.337N	18.428E	1.5	Zámoly
27	9:22:01.2	48.595N	20.802E	1.8	Slovakia
27	10:19:58.5	47.537N	16.284E	1.3	Austria
27	10:27:42.8	48.481N	19.556E	1.3	Slovakia
27	10:28:29.9	48.470N	19.560E	1.2	Slovakia
27	10:29:00.2	48.466N	19.547E	1.2	Slovakia
28	7:01:04.5	47.320N	18.318E	1.0	Söréd
28	8:01:57.7	48.558N	19.335E	1.4	Slovakia
28	8:25:06.4	48.566N	19.398E	1.5	Slovakia
28	8:54:47.0	46.162N	17.963E	1.2	Horváthertelend

**Hypocenter Parameters**

**Földrengés paraméterek**

28	9:11:08.2	48.579N	20.765E	1.7	Tornanádaska
28	9:28:17.9	47.205N	18.312E	1.0	Székesfehérvár
28	9:36:36.4	48.239N	21.268E	2.2	Tállya
28	14:40:00.5	47.137N	19.346E	1.6	Örkény
29	7:57:45.0	47.891N	19.086E	1.2	Berkenye
29	10:45:30.1	48.481N	19.556E	0.8	Slovakia
29	10:46:32.3	48.472N	19.538E	1.1	Slovakia
29	10:49:23.4	48.456N	19.555E	1.1	Slovakia

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01	8:54:24.4	48.620N	17.442E	1.7	Slovakia
01	9:16:35.5	48.602N	20.810E	1.7	Slovakia
01	9:31:32.6	45.966N	22.749E	1.8	Romania
01	10:31:09.3	46.854N	22.853E	1.6	Romania
02	6:47:56.5	48.072N	20.690E	1.4	Bükkszentlászló
02	7:55:30.0	47.343N	18.428E	1.4	Zámoly
02	8:29:11.1	48.373N	19.061E	0.6	Slovakia
02	9:26:49.9	47.099N	18.012E	1.0	Litér
02	10:52:58.1	48.354N	19.845E	1.2	Slovakia
03	7:38:10.3	46.861N	22.882E	1.7	Romania
03	8:15:14.8	47.576N	18.435E	1.3	Tatabánya
03	8:54:41.2	47.204N	18.309E	0.9	Székesfehérvár
03	9:11:21.4	48.686N	18.672E	1.7	Slovakia
03	9:33:22.5	48.607N	20.769E	1.4	Slovakia
03	9:37:33.4	48.500N	17.456E	1.4	Slovakia
03	9:39:22.4	47.222N	18.263E	0.6	Iszkaszentgyörgy
03	9:56:46.9	48.057N	20.293E	1.0	Mikófalva
03	12:30:38.1	48.377N	18.515E	0.9	Slovakia
03	12:32:18.3	48.338N	18.532E	0.9	Slovakia
04	7:15:54.8	48.242N	21.269E	1.9	Tállya
04	8:01:57.2	46.834N	17.334E	2.0	Lesencefalu
04	8:16:36.2	46.028N	22.832E	1.6	Romania
04	8:19:26.0	46.052N	22.915E	1.5	Romania
04	8:24:32.4	46.005N	22.823E	1.5	Romania
04	9:17:45.4	45.625N	17.306E	2.3	Croatia
04	9:40:43.0	47.203N	18.281E	1.0	Csór
04	11:45:40.9	48.342N	19.819E	1.6	Slovakia
04	13:27:59.0	48.582N	20.789E	1.2	Tornanádaska
05	6:29:16.3	48.431N	17.227E	2.0	Slovakia
05	8:37:51.4	48.424N	19.097E	1.7	Slovakia
05	9:49:37.1	48.204N	21.202E	1.7	Rátka
05	16:18:44.6	47.577N	16.329E	1.5	Austria
06	8:37:41.0	46.213N	18.279E	0.8	Kisbattyán
08	7:14:59.9	48.066N	20.677E	1.4	Bükkszentlászló
08	8:19:13.4	47.859N	19.808E	1.7	Gyöngyöspata
08	8:23:33.9	47.357N	18.406E	1.5	Gánt
08	8:24:25.3	47.329N	18.430E	1.5	Zámoly
09	6:06:20.1	47.369N	17.610E	0.9	Vanyola
09	6:59:06.3	47.291N	17.660E	0.7	Homokbödöge
09	9:16:51.6	47.919N	19.415E	1.9	Szanda
09	9:23:02.6	47.219N	18.266E	0.6	Iszkaszentgyörgy
09	9:32:56.9	48.520N	18.762E	1.7	Slovakia
09	10:03:46.0	48.801N	21.207E	1.7	Slovakia
09	10:10:16.3	48.543N	17.444E	1.7	Slovakia
09	10:15:28.1	48.432N	19.553E	1.2	Slovakia
10	8:30:51.2	47.085N	18.080E	1.1	Papkeszi
10	8:32:06.3	48.514N	17.470E	1.5	Slovakia
11	8:52:53.3	48.677N	18.671E	1.1	Slovakia
11	8:57:45.7	48.652N	18.576E	1.5	Slovakia
11	8:59:14.9	46.164N	18.296E	1.3	Zobápkuszta

## Földrengés paraméterek

## Hypocenter Parameters

11	9:57:17.0	47.204N	18.291E	1.0	Székesfehérvár
11	9:58:32.4	48.494N	17.554E	1.5	Slovakia
11	10:17:15.8	48.524N	19.375E	1.4	Slovakia
11	10:25:34.2	48.571N	20.777E	1.6	Tornanádaska
11	10:40:04.7	46.124N	18.017E	1.5	Bükkösd
11	11:52:05.3	48.230N	21.231E	2.1	Tálya
11	12:30:01.6	48.450N	17.177E	1.6	Slovakia
11	13:03:28.9	48.569N	17.712E	1.6	Slovakia
12	6:02:24.3	48.561N	19.368E	0.8	Slovakia
12	7:35:13.6	47.657N	18.480E	1.6	Tardosbánya
12	8:32:38.0	48.533N	17.413E	1.6	Slovakia
12	9:17:23.5	47.725N	19.112E	1.4	Pócsmegyer
12	9:27:02.5	48.585N	20.807E	1.2	Tornanádaska
15	7:33:23.8	46.038N	22.805E	1.6	Romania
15	7:56:20.4	48.077N	20.662E	1.5	Bükkszentlászló
15	8:22:48.5	48.023N	20.337E	1.2	Mónosbél
15	8:43:16.0	47.339N	18.425E	1.3	Zámoly
15	9:25:47.7	45.999N	22.797E	1.5	Romania
15	9:54:26.5	48.494N	17.371E	1.5	Slovakia
15	10:04:10.2	48.598N	20.781E	1.8	Slovakia
15	11:21:14.5	47.800N	20.198E	1.3	Vécs
15	11:23:03.5	46.082N	21.766E	1.6	Romania
16	8:40:17.4	47.549N	16.343E	1.5	Austria
16	8:46:41.5	47.321N	17.634E	1.2	Ugod
16	8:53:06.2	47.310N	17.618E	1.3	Homokbödöge
16	9:21:25.7	47.201N	18.315E	0.7	Székesfehérvár
16	9:43:46.6	48.807N	21.240E	2.0	Slovakia
16	10:08:19.2	47.828N	20.143E	1.6	Kisnána
17	9:11:48.8	47.335N	18.451E	1.5	Zámoly
17	9:12:34.1	47.338N	18.425E	1.1	Zámoly
17	9:19:09.8	47.360N	18.450E	1.3	Gánt
17	9:37:20.9	48.812N	19.526E	1.1	Slovakia
17	9:38:38.6	48.799N	19.472E	1.1	Slovakia
17	11:04:48.9	48.968N	20.820E	1.5	Slovakia
18	7:06:52.2	47.992N	16.636E	1.2	Austria
18	7:52:38.2	48.235N	21.271E	1.8	Tálya
18	7:59:55.6	48.580N	19.334E	1.5	Slovakia
18	8:04:32.5	46.916N	17.425E	1.8	Tapolca
18	9:03:56.6	48.626N	20.739E	1.3	Slovakia
18	9:09:36.6	47.893N	19.072E	1.3	Berkenye
18	9:51:41.7	48.480N	19.558E	1.3	Slovakia
18	11:17:49.7	48.039N	19.587E	1.5	Nagylóc
19	8:01:04.7	47.690N	18.729E	1.4	Csolnok
19	8:10:27.6	47.089N	18.017E	1.4	Litér
19	11:11:43.0	48.777N	21.709E	1.9	Slovakia
20	9:07:42.2	46.142N	18.330E	1.1	Vasas
22	6:43:51.4	48.352N	21.346E	1.8	Baskó
22	9:07:29.5	46.304N	22.014E	1.8	Romania
22	11:22:59.8	48.060N	20.706E	1.4	Miskolctapolca
23	9:59:06.6	47.246N	18.229E	1.0	Bakonykúti
23	11:02:51.2	48.363N	19.840E	1.3	Slovakia
23	11:04:48.9	48.382N	19.851E	1.5	Slovakia
23	12:10:21.8	46.144N	18.062E	1.4	Okorvölgy
24	6:41:53.1	47.845N	19.914E	1.8	Gyöngyösoroszi
24	9:04:37.4	48.496N	20.782E	1.2	Martonyi
24	9:58:19.7	48.456N	19.543E	1.2	Slovakia
24	9:59:02.3	48.458N	19.543E	0.8	Slovakia
24	10:03:29.2	47.209N	18.333E	1.0	Székesfehérvár
24	10:58:42.1	47.329N	18.434E	1.9	Zámoly
24	11:26:32.5	47.343N	18.450E	1.5	Zámoly

**Hypocenter Parameters**

**Földrengés paraméterek**

24	11:47:19.5	47.388N	18.357E	1.9	Gánt
24	13:31:32.0	48.423N	20.666E	1.1	Alsótelkes
25	9:09:58.3	47.225N	18.248E	0.6	Iszkaszentgyörgy
25	11:13:47.6	48.282N	21.212E	2.1	Abaújszántó
25	13:17:02.5	47.870N	16.035E	1.6	Austria
26	5:41:19.0	47.282N	17.666E	0.7	Homokbödöge
26	6:59:54.0	47.513N	18.675E	1.2	Mány
26	8:30:31.3	47.996N	20.365E	1.1	Szarvaskő
26	8:55:47.1	46.171N	18.295E	1.0	Zobákpusztá
26	9:08:11.1	47.565N	18.423E	1.5	Tatabánya
26	10:46:24.6	48.355N	19.856E	1.8	Slovakia
29	7:04:02.1	47.019N	17.961E	1.5	Felsőörs
29	7:15:51.1	48.410N	19.117E	1.6	Slovakia
29	7:55:32.7	48.068N	20.684E	1.3	Bükkszentlászló
29	9:24:48.9	47.330N	18.440E	1.9	Zámoly
29	10:00:19.0	48.136N	16.908E	1.6	Austria
29	15:13:32.5	48.046N	19.601E	1.3	Nagylóc
30	8:16:13.1	46.201N	18.294E	0.5	Kisbattyán
30	8:58:21.5	46.894N	17.261E	1.8	Zalaszántó
30	9:07:47.2	47.205N	18.116E	0.5	Várpalota
30	12:08:19.0	48.490N	20.375E	1.6	Slovakia

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01	7:07:17.8	48.990N	18.294E	1.9	Slovakia
01	8:17:37.5	47.550N	18.492E	1.3	Szárliiget
01	8:37:31.0	48.349N	21.243E	1.8	Boldogkőváralja
01	9:44:42.6	48.596N	20.780E	1.2	Slovakia
01	10:47:57.0	48.053N	20.525E	1.3	Répáshuta
02	8:41:13.1	48.232N	21.247E	2.1	Tállya
02	8:54:28.1	47.336N	18.430E	1.5	Zámoly
02	8:56:04.3	47.345N	18.422E	2.0	Zámoly
02	9:21:30.8	48.491N	20.755E	1.0	Bódvarákó
02	9:24:52.4	46.868N	22.898E	1.5	Romania
02	9:47:51.3	47.192N	18.260E	0.8	Csór
02	10:06:47.2	48.480N	19.556E	1.3	Slovakia
02	10:07:46.9	48.472N	19.562E	1.3	Slovakia
02	10:15:04.9	48.422N	17.182E	1.5	Slovakia
03	6:23:09.4	47.284N	17.631E	0.9	Homokbödöge
03	8:17:45.5	47.336N	18.458E	1.4	Lovasberény
03	9:29:42.5	48.829N	21.650E	1.6	Slovakia
03	9:56:20.6	48.501N	19.551E	1.1	Slovakia
03	10:07:16.9	48.821N	20.178E	1.1	Slovakia
04	11:51:52.4	48.584N	20.813E	1.0	Tornanádaska
06	7:25:53.9	48.067N	20.681E	1.3	Bükkszentlászló
06	7:40:48.3	48.028N	20.363E	1.2	Mónosbél
06	7:44:00.1	46.845N	22.854E	1.6	Romania
06	9:35:09.6	48.457N	17.465E	1.8	Slovakia
06	10:06:33.0	48.449N	19.583E	1.7	Slovakia
07	7:37:01.9	46.038N	22.854E	1.9	Romania
07	8:31:34.0	47.303N	18.471E	1.8	Pátka
07	9:50:16.8	47.221N	18.335E	0.9	Moha
07	10:00:25.9	48.109N	16.931E	1.5	Austria
08	10:22:31.0	48.480N	19.512E	1.4	Slovakia
09	8:01:22.8	47.340N	18.443E	1.9	Zámoly
09	8:11:56.2	48.563N	20.748E	1.5	Komjáti
09	8:40:18.5	48.408N	17.194E	1.6	Slovakia
09	8:42:35.0	48.209N	21.263E	1.9	Mád
09	8:46:13.7	46.139N	17.992E	1.4	Hetvehely
09	10:02:39.8	47.204N	18.219E	0.3	Csór
09	12:36:39.2	48.219N	19.877E	1.5	Slovakia



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

09	15:59:39.8	48.582N	20.901E	1.4	Slovakia
10	4:42:15.4	47.267N	18.281E	0.6	Kincsesbánya
10	4:47:33.8	47.234N	18.318E	0.8	Moha
10	6:11:46.4	47.494N	16.330E	1.1	Austria
10	7:48:47.2	45.857N	18.402E	1.4	Nagyharsány
10	8:37:55.7	47.887N	19.129E	1.1	Nőtincs
10	10:01:04.4	48.118N	16.919E	1.7	Austria
11	8:58:32.0	48.545N	20.817E	1.2	Bódvalenke
11	9:53:06.7	48.059N	19.593E	1.1	Nagylóc
13	7:46:01.0	48.166N	21.204E	1.3	Szerencs
13	7:49:08.9	48.552N	19.399E	1.3	Slovakia
13	8:04:43.0	45.501N	17.355E	1.6	Croatia
13	9:01:46.8	48.640N	17.498E	1.6	Slovakia
13	10:12:26.2	48.607N	20.750E	1.4	Slovakia
13	10:48:14.6	46.750N	22.821E	1.4	Romania
14	7:46:26.3	46.923N	17.367E	1.8	Lesenceistvánd
14	8:23:35.0	48.583N	17.467E	1.6	Slovakia
14	9:21:03.4	47.217N	18.187E	1.1	Bakonykúti
14	10:00:38.7	48.121N	16.918E	1.7	Austria
14	10:04:18.1	48.564N	20.839E	1.3	Hidvégdárdó
14	10:44:36.1	46.048N	22.806E	1.6	Romania
14	10:51:12.1	47.727N	18.714E	1.1	Dorog
15	6:51:06.2	48.383N	21.483E	1.6	Makkoshotyka
15	9:45:30.6	47.197N	18.326E	0.5	Székesfehérvár
15	9:52:52.0	48.457N	17.432E	1.8	Slovakia
15	10:03:55.0	48.595N	20.770E	1.3	Slovakia
16	7:30:51.5	45.507N	17.298E	1.5	Croatia
16	9:25:51.6	47.194N	18.250E	1.0	Csór
16	10:01:25.2	48.121N	16.933E	1.5	Austria
16	10:17:07.6	48.866N	20.929E	1.8	Slovakia
16	12:26:26.9	47.859N	16.034E	1.5	Austria
16	17:45:44.6	48.628N	17.602E	1.6	Slovakia
17	7:28:18.7	47.913N	19.427E	1.8	Szanda
17	7:29:35.2	48.565N	20.778E	1.0	Tornanádaska
17	9:22:39.9	47.578N	16.344E	1.3	Austria
17	9:30:26.5	48.219N	21.232E	1.5	Rátka
20	7:23:20.3	47.307N	17.705E	0.7	Bakonykoppány
20	8:34:35.3	48.217N	21.224E	1.2	Rátka
20	8:45:26.8	47.567N	18.429E	1.4	Tatabánya
20	9:35:34.5	47.867N	19.080E	1.4	Berkenye
20	12:57:58.3	48.376N	19.831E	1.4	Slovakia
21	6:49:10.3	48.057N	20.689E	1.1	Miskolctapolca
21	8:15:58.6	48.249N	21.173E	1.0	Golop
21	8:23:42.9	48.626N	20.750E	1.3	Slovakia
21	8:59:04.3	46.191N	18.291E	1.5	Zobákpusztá
21	9:20:27.8	47.206N	18.282E	0.5	Iszkaszentgyörgy
21	9:29:58.9	47.208N	18.330E	1.4	Székesfehérvár
21	10:01:44.0	48.882N	20.926E	1.6	Slovakia
21	10:15:47.0	46.140N	18.042E	1.2	Hetvehely
22	6:59:31.7	47.317N	18.434E	1.9	Zámoly
22	8:23:28.3	47.314N	18.416E	1.7	Zámoly
22	9:05:37.8	47.201N	18.266E	0.5	Csór
22	9:59:07.7	48.605N	20.746E	1.6	Slovakia
22	13:38:43.9	48.251N	21.262E	1.7	Tállya
23	7:07:35.4	48.105N	21.329E	1.5	Tarcal
23	8:26:48.9	48.026N	20.327E	1.0	Mónosbél
23	10:34:28.4	47.199N	18.244E	0.5	Csór
23	11:41:07.9	48.610N	21.295E	1.5	Slovakia
24	7:41:52.7	48.446N	19.576E	1.4	Slovakia
24	7:44:29.2	47.552N	18.389E	1.3	Vértessomló

**Hypocenter Parameters**

**Földrengés paraméterek**

24	8:13:49.2	46.126N	18.052E	1.2	Hetvehely
24	9:06:15.8	46.191N	18.271E	1.2	Komló
24	10:01:19.1	48.850N	20.922E	1.7	Slovakia
24	10:30:01.5	48.489N	17.185E	1.5	Slovakia
27	5:46:33.8	46.037N	22.831E	1.6	Romania
27	9:49:25.3	47.205N	18.330E	0.8	Székesfehérvár
28	8:38:15.2	47.839N	19.102E	1.3	Szendehely
28	9:00:46.6	48.641N	20.735E	1.4	Slovakia
28	9:12:39.3	47.565N	16.357E	1.3	Austria
28	9:20:58.2	48.557N	19.366E	1.4	Slovakia
28	10:01:21.8	48.132N	16.919E	1.5	Austria
28	10:31:44.1	48.480N	19.558E	1.2	Slovakia
29	7:55:08.8	48.634N	20.752E	1.2	Slovakia
29	8:21:24.5	46.939N	22.702E	1.3	Romania
29	10:11:18.8	48.480N	19.556E	1.0	Slovakia
29	11:18:29.4	46.112N	21.706E	1.4	Romania
30	6:54:57.0	47.377N	18.369E	1.6	Gánt
30	7:04:59.1	48.719N	18.439E	1.7	Slovakia
30	9:04:54.1	48.987N	20.260E	1.4	Slovakia
30	9:40:53.3	47.219N	18.329E	0.9	Moha
30	9:52:37.5	48.600N	20.761E	1.5	Slovakia
30	10:52:50.3	46.282N	22.027E	1.7	Romania
30	13:43:30.5	47.824N	16.008E	1.6	Austria
31	7:27:48.3	48.816N	21.628E	1.6	Slovakia
31	7:34:19.2	46.145N	18.045E	1.4	Hetvehely
31	8:48:53.1	48.403N	19.113E	1.3	Slovakia
31	10:00:15.7	48.154N	16.896E	1.5	Austria

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03	8:26:10.3	47.703N	16.079E	1.5	Austria
03	9:05:56.2	48.528N	19.376E	1.6	Slovakia
04	7:13:21.0	48.318N	19.822E	1.0	Slovakia
04	8:31:54.2	47.462N	18.727E	1.4	Etyek
04	9:56:32.0	46.008N	22.812E	1.8	Romania
04	10:57:54.9	46.801N	22.868E	1.6	Romania
04	11:38:11.9	48.239N	21.246E	1.8	Tállya
05	7:48:21.5	48.611N	18.552E	1.5	Slovakia
05	7:56:22.8	46.850N	17.316E	2.2	Lesencefalu
05	8:59:12.3	48.549N	20.749E	1.4	Komjáti
06	8:30:10.8	47.561N	18.478E	1.4	Tatabánya
06	9:48:08.4	46.160N	18.298E	1.1	Zobákpuszta
06	10:01:02.0	47.201N	18.257E	0.4	Csór
06	12:07:03.5	47.587N	16.335E	1.4	Austria
07	7:49:21.3	48.575N	20.758E	1.2	Tornanádaska
07	8:00:26.7	48.003N	19.645E	0.8	Garáb
07	8:10:22.9	45.859N	18.405E	1.5	Nagyharsány
07	8:17:03.4	47.948N	20.400E	1.0	Felsőtárkány
07	9:16:42.7	47.196N	18.355E	0.9	Székesfehérvár
10	8:29:50.3	48.067N	21.368E	1.7	Tiszaladány
10	8:40:21.7	48.625N	20.746E	1.3	Slovakia
10	9:20:02.8	48.890N	21.064E	1.4	Slovakia
10	10:22:08.8	48.465N	19.563E	1.1	Slovakia
10	10:22:43.0	48.458N	19.549E	0.8	Slovakia
10	12:29:38.8	47.896N	20.120E	1.2	Tarnaszentmária
11	6:34:17.5	46.130N	18.351E	0.6	Hird
11	7:48:11.8	46.053N	22.837E	1.8	Romania
11	8:04:06.6	48.785N	20.431E	1.4	Slovakia
11	8:24:03.0	48.534N	18.285E	1.5	Slovakia
11	8:48:20.0	46.127N	18.044E	1.2	Hetvehely
12	7:03:16.1	47.598N	16.331E	1.0	Austria

## Földrengés paraméterek

## Hypocenter Parameters

12	7:44:28.1	47.783N	19.057E	1.4	Dunabogdány
12	8:26:29.5	48.989N	19.346E	1.1	Slovakia
12	9:39:38.6	48.466N	19.548E	1.1	Slovakia
12	9:53:16.9	47.197N	18.263E	0.7	Csór
13	5:18:21.8	48.744N	19.354E	1.1	Slovakia
13	8:37:07.8	48.522N	20.796E	1.5	Tornaszentandrás
13	8:52:18.9	47.900N	19.122E	1.7	Rétság
14	6:18:57.9	47.334N	18.443E	1.7	Zámoly
14	7:21:16.3	48.053N	20.690E	1.2	Kisgyőr
14	7:43:17.9	48.748N	19.236E	1.1	Slovakia
14	8:58:25.6	48.820N	21.617E	1.8	Slovakia
14	9:01:25.4	47.344N	18.412E	2.1	Zámoly
14	10:01:15.9	48.157N	16.893E	1.4	Austria
14	11:38:40.1	46.118N	18.017E	1.5	Bükkösd
17	6:00:21.5	47.256N	17.891E	1.0	Olaszfalú
17	9:10:21.4	48.279N	19.832E	0.6	Slovakia
17	9:43:26.0	47.199N	18.328E	0.7	Székesfehérvár
17	11:01:55.9	48.887N	20.758E	1.5	Slovakia
18	7:07:25.9	47.298N	18.363E	1.4	Magyaralmás
18	7:38:16.1	47.922N	20.414E	1.1	Eger
18	9:09:53.3	48.527N	19.306E	1.2	Slovakia
18	9:29:39.5	47.861N	19.115E	1.3	Szendehely
19	7:51:22.4	48.609N	17.427E	1.6	Slovakia
19	8:50:48.6	48.599N	20.750E	1.4	Slovakia
19	9:08:31.9	48.236N	21.295E	1.8	Tállya
19	10:01:47.0	48.837N	21.329E	1.7	Slovakia
19	10:38:19.2	47.583N	18.441E	1.2	Tatabánya
20	13:18:60.0	46.560N	22.594E	1.4	Romania
21	8:40:39.7	48.608N	20.794E	1.4	Slovakia
21	10:05:14.1	47.576N	16.338E	1.9	Austria
21	10:06:48.5	48.466N	19.574E	1.4	Slovakia
21	10:32:10.8	47.536N	16.310E	1.2	Austria
21	10:37:57.4	48.483N	17.373E	1.6	Slovakia
24	7:33:22.8	48.994N	19.355E	1.5	Slovakia
24	8:00:45.9	48.519N	20.760E	1.2	Tornaszentandrás
24	8:56:40.1	47.689N	18.530E	1.8	Héreg
24	10:11:41.8	48.004N	19.607E	1.1	Hollókő
24	10:12:16.4	48.589N	19.369E	1.3	Slovakia
24	13:14:56.9	47.937N	20.156E	1.5	Recsk
25	8:30:23.9	48.737N	18.706E	1.9	Slovakia
25	10:01:12.8	48.617N	20.732E	1.5	Slovakia
25	10:45:41.9	47.715N	18.716E	1.3	Csolnok
25	10:48:08.4	48.503N	19.549E	1.2	Slovakia
25	10:48:53.3	48.473N	19.556E	1.1	Slovakia
25	11:02:39.2	48.269N	19.865E	1.4	Slovakia
26	6:17:23.3	47.251N	18.330E	1.0	Sárkeresztes
26	7:20:03.4	48.276N	17.279E	1.9	Slovakia
26	7:29:54.3	46.832N	17.273E	1.7	Vállus
26	8:23:20.9	47.862N	19.101E	2.1	Szendehely
26	8:58:34.4	46.895N	17.327E	1.5	Várvolgy
26	9:10:48.0	47.203N	18.354E	0.8	Székesfehérvár
26	10:00:22.7	48.148N	16.895E	1.5	Austria
27	7:08:13.8	48.495N	19.343E	0.9	Slovakia
27	7:21:05.5	47.844N	19.865E	1.5	Gyöngyösoroszi
27	9:35:58.3	48.880N	20.477E	1.9	Slovakia
27	9:39:55.6	48.659N	20.701E	1.4	Slovakia
27	11:51:00.8	47.859N	16.047E	1.4	Austria
28	7:17:10.6	48.055N	20.683E	1.0	Kisgyőr
28	8:54:06.1	46.116N	18.094E	1.3	Kővágótöttös
28	9:05:47.7	47.317N	17.633E	1.6	Ugod

## Hypocenter Parameters

## Földrengés paraméterek

29	9:19:03.4	48.051N	19.580E	1.1	Nagylóc
29	9:42:54.8	48.051N	19.635E	1.0	Sóshartyán
31	8:46:22.7	46.121N	18.324E	1.4	Hird
31	9:13:43.3	47.926N	19.393E	1.6	Becske
31	9:28:47.3	46.971N	22.326E	2.0	Romania
31	9:54:39.8	48.466N	19.547E	1.1	Slovakia
SZEPTEMBER / SEPTEMBER, 2020					
01	7:57:21.7	46.064N	22.761E	1.7	Romania
01	8:09:13.0	47.329N	18.478E	1.9	Lovasberény
01	12:30:25.5	47.943N	20.125E	1.5	Recsk
02	8:01:46.2	47.919N	19.151E	1.0	Rétság
02	8:16:22.8	47.882N	19.154E	1.6	Nótincs
02	9:33:47.6	47.280N	18.504E	1.2	Pátka
02	9:36:46.6	47.279N	18.480E	2.0	Pátka
02	9:39:10.4	47.383N	18.458E	1.0	Csákvár
02	9:50:33.6	48.591N	20.767E	1.2	Slovakia
02	9:52:50.0	47.257N	18.297E	0.9	Moha
02	12:32:14.2	48.511N	22.792E	2.1	Ukraine
03	8:17:53.2	46.148N	21.575E	1.9	Romania
03	8:30:20.5	46.138N	17.999E	1.2	Hetvehely
03	8:41:43.2	45.522N	17.834E	1.6	Croatia
03	9:05:28.6	47.211N	18.288E	0.9	Iszkaszentgyörgy
03	9:45:53.1	47.995N	16.083E	1.1	Austria
03	9:56:28.1	47.007N	17.818E	1.5	Hidegkút
03	9:59:56.4	48.161N	16.859E	1.6	Austria
03	10:03:25.0	48.253N	21.249E	1.5	Tállya
03	11:49:42.7	48.343N	19.847E	1.5	Slovakia
04	8:29:33.2	48.877N	21.009E	1.4	Slovakia
04	8:47:13.1	47.556N	18.472E	1.2	Tatabánya
04	8:54:31.7	46.174N	18.283E	1.3	Zobákpuszta
04	9:39:26.1	47.243N	18.254E	1.3	Iszkaszentgyörgy
04	10:44:38.7	46.929N	22.882E	1.8	Romania
04	11:13:16.9	47.845N	16.027E	1.6	Austria
07	6:24:07.3	48.268N	21.505E	1.6	Sárazsadány
07	6:35:33.5	46.018N	22.766E	2.0	Romania
07	7:52:35.2	48.782N	19.453E	1.3	Slovakia
07	7:53:23.7	48.804N	19.442E	1.4	Slovakia
07	9:09:38.8	47.250N	17.976E	1.0	Bakonyháza
07	9:21:29.3	45.957N	22.764E	1.4	Romania
08	6:58:05.5	48.410N	18.640E	1.9	Slovakia
08	7:52:10.9	47.338N	18.426E	1.9	Zámoly
08	8:35:41.5	47.945N	20.090E	1.8	Mátraderecske
08	9:04:29.4	47.585N	16.350E	1.1	Austria
08	9:37:02.0	47.314N	18.456E	1.8	Pátka
08	10:02:11.7	48.154N	16.898E	1.6	Austria
08	10:03:09.7	48.368N	18.243E	1.5	Slovakia
08	10:08:30.9	47.893N	19.167E	1.2	Felsőpetény
08	14:01:22.1	47.923N	16.430E	1.2	Austria
09	7:40:35.2	48.121N	21.338E	1.5	Tarcal
09	8:30:50.8	48.034N	20.681E	1.6	Kisgyőr
09	9:06:31.5	46.172N	18.320E	0.8	Zobákpuszta
09	9:23:07.2	48.360N	19.041E	1.8	Slovakia
09	9:44:45.4	47.161N	18.407E	0.8	Sárszentmihály
09	10:07:01.3	48.618N	20.775E	1.6	Slovakia
10	7:21:31.1	47.124N	17.867E	1.1	Márkó
10	8:27:14.1	47.846N	19.096E	1.5	Szendehely
10	8:49:05.7	48.233N	21.251E	2.0	Tállya
10	9:20:46.6	47.228N	18.242E	0.8	Iszkaszentgyörgy
10	10:17:33.7	48.895N	20.647E	1.4	Slovakia

## Földrengés paraméterek

## Hypocenter Parameters

10	10:20:07.3	48.510N	19.515E	1.6	Slovakia
11	9:19:42.5	48.572N	20.747E	1.5	Tornanádaska
11	9:21:28.4	47.762N	18.681E	1.4	Dorog
11	10:14:58.4	48.336N	19.870E	1.2	Slovakia
11	11:09:39.3	47.553N	16.337E	1.9	Austria
11	12:47:57.3	48.602N	20.810E	1.2	Slovakia
12	9:01:12.4	46.188N	18.270E	1.0	Komló
14	8:43:26.7	46.149N	18.014E	1.5	Hetvehely
14	8:56:41.8	48.620N	17.359E	1.6	Slovakia
14	9:52:30.4	46.902N	17.338E	1.5	Lesenceistvánd
14	10:05:51.8	48.615N	20.789E	1.5	Slovakia
14	10:43:40.9	48.441N	20.773E	1.0	Meszes
15	7:37:33.6	47.576N	18.458E	1.3	Tatabánya
15	8:23:43.2	48.007N	20.353E	1.1	Szarvaskő
15	8:32:09.1	47.215N	18.342E	0.7	Székesfehérvár
15	9:26:28.9	47.331N	18.427E	1.2	Zámoly
15	11:53:32.4	47.332N	18.419E	1.2	Zámoly
16	8:50:16.4	48.558N	20.789E	1.3	Tornanádaska
16	8:57:01.7	48.291N	21.538E	1.5	Bodrogolaszi
16	9:26:29.1	47.196N	18.320E	0.9	Székesfehérvár
16	10:00:49.7	48.157N	16.879E	1.5	Austria
16	10:20:24.0	48.457N	19.550E	1.1	Slovakia
16	10:21:12.9	48.482N	19.563E	1.1	Slovakia
16	13:18:23.0	47.336N	16.380E	1.7	Austria
17	6:46:36.9	46.141N	18.030E	1.3	Hetvehely
17	7:29:28.8	47.239N	17.741E	1.5	Bakonybél
17	7:32:22.6	48.092N	20.700E	1.1	Pereces
17	8:03:28.1	47.319N	18.409E	1.8	Zámoly
17	8:57:36.7	48.586N	20.778E	1.4	Slovakia
17	9:09:11.3	48.414N	19.143E	1.2	Slovakia
17	9:10:13.1	48.365N	19.112E	1.2	Slovakia
17	9:44:34.5	47.191N	18.246E	0.7	Csór
17	9:50:32.2	48.222N	21.282E	1.8	Mád
18	6:19:01.3	47.024N	18.005E	1.5	Balatonalmádi
18	8:07:40.0	48.619N	20.800E	1.4	Slovakia
18	8:24:33.4	46.169N	18.298E	1.0	Zobákpuszt
18	9:08:31.3	47.414N	18.737E	1.4	Pusztazámor
18	10:09:49.1	48.418N	17.224E	2.0	Slovakia
19	8:38:58.3	46.196N	18.272E	1.1	Komló
21	6:53:32.7	45.917N	22.805E	1.8	Romania
21	8:14:05.6	48.800N	20.099E	1.4	Slovakia
21	8:15:52.8	48.648N	18.505E	1.7	Slovakia
21	8:52:32.1	48.511N	17.431E	2.0	Slovakia
21	9:45:49.1	48.838N	21.614E	1.9	Slovakia
22	9:02:46.2	47.718N	18.712E	0.7	Tokod
22	9:15:48.1	47.839N	19.104E	1.5	Szendehely
22	11:51:40.4	47.378N	16.357E	1.5	Austria
23	9:40:58.8	47.197N	18.305E	0.6	Székesfehérvár
23	9:44:22.3	48.238N	21.233E	2.1	Tállya
23	10:05:15.8	47.852N	16.023E	1.3	Austria
23	10:13:51.8	47.862N	16.055E	1.2	Austria
23	10:24:55.9	48.487N	19.527E	1.1	Slovakia
23	10:26:07.7	48.486N	19.561E	0.9	Slovakia
23	12:02:39.0	46.509N	22.574E	1.5	Romania
24	7:49:12.7	47.323N	18.445E	1.2	Zámoly
24	8:40:00.7	47.818N	19.043E	1.5	Verőce
24	9:00:07.6	48.919N	20.995E	1.5	Slovakia
24	13:30:20.5	47.191N	16.353E	1.9	Austria
25	5:47:43.1	47.622N	18.369E	1.0	Vértesszőlős
25	7:07:22.1	48.444N	17.215E	2.1	Slovakia

**Hypocenter Parameters**

**Földrengés paraméterek**

25	8:05:58.4	46.805N	17.268E	1.4	Cserszegtomaj
25	8:09:54.8	48.961N	16.495E	1.8	Czech Republic
25	8:39:46.3	48.228N	18.771E	1.5	Slovakia
25	8:58:51.2	47.938N	20.407E	1.1	Felsőtárkány
25	9:08:03.7	48.988N	20.246E	1.5	Slovakia
25	10:11:49.5	48.386N	19.838E	1.4	Slovakia
28	6:12:48.0	46.033N	22.801E	1.8	Romania
28	6:38:57.8	48.006N	20.695E	1.3	Kisgyőr
28	7:30:16.4	48.667N	18.622E	1.9	Slovakia
28	8:44:22.5	46.048N	22.788E	1.8	Romania
28	8:47:46.7	48.833N	18.104E	1.8	Slovakia
28	9:24:22.0	48.929N	20.608E	1.1	Slovakia
28	9:26:54.5	48.637N	20.765E	1.5	Slovakia
28	12:06:38.5	48.625N	20.802E	1.1	Slovakia
28	16:11:31.7	47.523N	16.371E	1.3	Austria
29	6:19:16.1	47.087N	18.059E	1.3	Papkeszi
29	7:34:52.7	47.093N	18.016E	1.5	Litér
29	8:35:40.5	47.385N	18.380E	1.5	Gánt
29	9:25:39.7	48.559N	20.792E	1.5	Tornanádaska
29	10:00:32.0	48.157N	16.880E	1.7	Austria
30	7:08:42.7	48.541N	17.501E	1.0	Slovakia
30	7:39:33.5	48.660N	18.469E	1.7	Slovakia
30	7:40:14.1	45.857N	18.382E	1.1	Kisharsány
30	7:41:52.6	47.665N	18.713E	1.8	Dág
30	7:45:41.1	45.862N	18.409E	1.1	Nagyharsány
30	8:29:51.5	48.230N	21.222E	1.7	Tállya
30	9:48:35.9	47.213N	18.221E	1.0	Csór
30	10:04:51.2	46.127N	18.044E	1.5	Hetvehely
30	11:21:42.0	47.851N	16.040E	1.3	Austria
30	13:35:59.0	46.547N	22.593E	1.4	Romania

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01	7:41:06.7	46.847N	22.883E	1.4	Romania
01	7:43:03.9	47.553N	18.455E	1.4	Tatabánya
01	7:50:24.3	48.062N	20.694E	1.2	Miskolctapolca
01	8:37:13.0	45.975N	22.311E	1.5	Romania
01	8:56:03.4	48.540N	17.482E	1.7	Slovakia
01	10:41:12.1	46.089N	21.676E	1.3	Romania
01	10:51:14.8	47.342N	18.399E	1.8	Zámoly
01	12:27:51.8	47.584N	16.350E	1.1	Austria
01	13:01:51.2	47.805N	19.371E	1.3	Acsa
01	13:59:25.3	47.230N	16.357E	1.8	Austria
01	14:26:12.8	47.595N	16.323E	1.0	Austria
02	6:24:12.8	46.875N	17.350E	1.7	Lesenceistvánd
02	8:20:04.4	48.437N	17.217E	2.3	Slovakia
02	8:31:31.9	47.854N	19.112E	1.3	Szendehely
02	8:38:03.2	48.326N	21.503E	1.6	Hercegkút
02	8:44:21.3	48.346N	19.025E	1.1	Slovakia
02	9:56:24.9	48.498N	19.572E	0.9	Slovakia
02	9:57:00.5	48.452N	19.540E	0.9	Slovakia
02	10:20:10.9	47.031N	22.258E	1.9	Romania
02	11:37:53.5	48.445N	20.670E	1.2	Varbóc
02	15:36:36.1	48.628N	20.830E	0.8	Slovakia
03	15:01:43.4	47.077N	18.154E	0.6	Küngös
05	8:27:04.7	47.794N	19.022E	1.5	Dunabogdány
05	8:44:01.4	48.699N	18.682E	1.5	Slovakia
05	8:46:59.5	47.876N	19.410E	1.7	Bercel
05	8:58:10.0	47.857N	16.019E	1.3	Austria
05	9:07:07.8	48.637N	20.787E	1.5	Slovakia
05	9:40:21.3	45.519N	17.799E	1.7	Croatia

## Földrengés paraméterek

## Hypocenter Parameters

05	10:48:54.6	48.551N	17.490E	1.7	Slovakia
06	7:25:10.1	47.076N	18.018E	1.5	Litér
06	9:45:03.5	46.123N	22.872E	1.4	Romania
06	9:53:32.0	47.201N	18.311E	0.7	Székesfehérvár
07	7:52:09.5	46.868N	17.299E	1.9	Várvolgy
07	8:48:27.3	47.586N	18.443E	1.2	Tatabánya
07	9:33:44.3	46.923N	22.841E	1.8	Romania
07	10:00:37.7	48.136N	16.900E	1.7	Austria
07	10:04:17.1	47.708N	18.677E	1.3	Tokod
07	11:03:36.3	47.826N	19.099E	1.5	Szendehely
08	7:30:04.0	48.450N	17.205E	2.1	Slovakia
08	8:03:12.3	47.092N	18.027E	1.6	Királyszentistván
08	8:15:04.7	46.133N	18.062E	1.2	Hetvehely
08	8:24:13.9	48.589N	20.755E	1.4	Slovakia
08	8:25:27.0	48.231N	21.246E	1.8	Tállya
08	9:43:49.5	47.213N	18.278E	0.7	Iszkaszentgyörgy
09	4:14:12.3	47.405N	18.422E	0.8	Gánt
09	8:15:49.8	47.341N	18.454E	1.6	Zámoly
09	10:11:33.6	48.523N	20.808E	1.2	Bódvalenke
09	12:06:45.3	48.638N	20.215E	1.1	Slovakia
09	12:12:16.0	47.382N	18.366E	1.1	Gánt
09	12:20:29.0	48.664N	22.408E	1.9	Ukraine
10	9:02:55.7	46.186N	18.276E	0.8	Komló
12	7:49:42.8	48.464N	17.439E	2.2	Slovakia
12	8:52:00.9	46.025N	22.894E	1.7	Romania
12	9:31:43.3	47.855N	19.129E	1.5	Szendehely
12	11:32:40.6	48.079N	19.624E	1.2	Nógrádmegyer
12	11:44:58.1	46.793N	22.836E	1.6	Romania
12	12:43:59.1	47.607N	16.344E	1.2	Austria
13	10:00:06.6	48.131N	16.868E	1.8	Austria
13	10:10:36.4	48.494N	21.747E	1.5	Slovakia
13	11:10:56.5	46.062N	22.488E	1.6	Romania
13	16:10:42.6	48.464N	19.360E	0.9	Slovakia
14	7:01:40.9	45.832N	18.428E	1.2	Nagyharsány
14	8:13:59.5	47.555N	18.451E	1.2	Tatabánya
14	8:16:23.7	48.899N	20.681E	1.4	Slovakia
14	9:43:18.3	47.336N	18.434E	1.8	Zámoly
14	9:47:24.7	47.186N	18.304E	0.9	Székesfehérvár
14	9:48:44.9	48.575N	17.452E	1.5	Slovakia
14	11:38:00.5	46.070N	22.083E	1.5	Romania
15	8:46:53.5	46.220N	18.255E	1.2	Komló
15	8:52:23.6	48.576N	20.788E	1.4	Tornanádaska
15	9:02:27.4	48.687N	19.939E	1.3	Slovakia
15	9:12:16.5	48.485N	20.759E	1.2	Martonyi
15	9:49:14.9	47.204N	18.323E	1.1	Székesfehérvár
15	10:00:39.5	48.139N	16.914E	1.8	Austria
15	10:31:40.2	48.554N	18.209E	2.0	Slovakia
16	8:11:30.5	48.012N	19.429E	1.9	Iliny
16	8:33:04.8	47.881N	19.093E	1.3	Berkenye
16	8:46:07.4	48.611N	20.735E	1.4	Slovakia
16	11:34:27.6	48.751N	21.184E	1.3	Slovakia
19	6:30:53.4	48.014N	16.113E	1.1	Austria
19	8:08:59.6	47.573N	18.705E	1.2	Tök
19	8:56:01.6	48.925N	21.021E	1.3	Slovakia
19	8:58:52.7	48.908N	21.057E	1.5	Slovakia
19	9:15:16.4	47.066N	18.070E	1.0	Papkeszi
20	7:12:35.5	47.005N	17.971E	1.6	Felsőörs
20	7:52:19.1	47.869N	19.916E	1.6	Mátraháza
20	8:23:15.0	46.049N	22.815E	1.8	Romania
20	8:42:26.9	48.610N	20.757E	1.4	Slovakia

**Hypocenter Parameters**

**Földrengés paraméterek**

20	8:58:18.1	47.576N	18.499E	1.3	Tarján
20	9:09:07.2	48.983N	20.221E	1.2	Slovakia
20	9:16:38.4	45.631N	17.306E	2.1	Croatia
20	9:20:23.9	47.202N	18.309E	0.8	Székesfehérvár
20	10:00:10.3	48.136N	16.905E	1.8	Austria
20	10:10:11.1	46.122N	18.020E	1.2	Bükkösd
21	7:07:09.0	47.284N	18.313E	1.0	Magyaralmás
21	8:14:44.6	47.567N	16.354E	1.0	Austria
21	8:21:30.0	48.521N	19.257E	1.8	Slovakia
21	9:15:58.1	47.870N	16.055E	1.2	Austria
21	9:24:56.8	47.841N	19.111E	1.3	Szendehely
21	10:00:05.1	48.407N	17.177E	1.6	Slovakia
21	10:23:26.9	48.540N	19.339E	1.6	Slovakia
21	10:35:09.5	47.104N	19.379E	1.7	Örkény
21	11:01:10.8	47.335N	17.706E	1.2	Bakonyszűcs
21	11:16:06.5	47.297N	17.666E	1.6	Bakonykoppány
21	13:25:12.6	47.077N	19.408E	1.6	Tatárszentgyörgy
21	13:38:02.5	47.102N	19.405E	1.7	Örkény
21	13:50:21.9	47.143N	19.346E	1.7	Örkény
22	8:15:47.4	47.616N	18.462E	1.8	Vérttestolna
22	8:18:00.3	48.588N	20.753E	1.3	Slovakia
23	7:51:33.0	46.953N	22.324E	2.0	Romania
23	8:17:24.1	48.606N	20.794E	1.3	Slovakia
23	9:36:18.4	47.871N	16.032E	1.2	Austria
23	9:49:19.0	48.605N	21.389E	1.6	Slovakia
23	10:00:34.6	48.186N	16.882E	1.6	Austria
23	13:44:17.5	47.585N	16.302E	1.3	Austria
26	8:43:53.3	46.031N	22.785E	1.9	Romania
26	9:15:06.0	46.039N	22.850E	1.9	Romania
26	9:15:33.0	48.606N	18.572E	1.8	Slovakia
26	9:26:27.6	48.004N	20.689E	1.5	Kisgyőr
26	9:53:41.6	47.214N	18.330E	0.8	Moha
26	10:38:56.0	48.594N	20.782E	1.2	Slovakia
27	6:54:22.2	47.285N	17.686E	1.4	Bakonykoppány
27	10:22:02.0	48.605N	20.749E	1.3	Slovakia
27	10:38:35.2	46.162N	18.307E	1.2	Zobákpuszta
28	7:38:01.2	45.851N	18.413E	1.3	Nagyharsány
28	10:10:35.1	46.953N	22.724E	1.9	Romania
28	11:02:31.9	46.134N	18.045E	1.4	Hetvehely
28	11:15:09.6	48.596N	20.779E	1.6	Slovakia
29	9:50:58.9	47.285N	18.375E	1.4	Magyaralmás
29	9:55:56.8	47.323N	18.432E	1.6	Zámoly
29	10:01:14.3	48.257N	21.250E	2.1	Tállya
29	10:09:26.6	48.832N	21.192E	1.6	Slovakia
29	10:35:21.1	48.632N	20.744E	1.5	Slovakia
29	10:48:17.2	47.209N	18.255E	0.6	Csór
29	11:00:42.5	48.134N	16.925E	1.9	Austria
29	11:47:30.4	48.352N	19.840E	1.2	Slovakia
29	12:16:40.3	48.690N	22.459E	1.7	Ukraine
29	12:31:16.2	46.100N	21.737E	1.4	Romania
29	14:27:59.3	46.534N	22.607E	1.4	Romania
30	7:37:44.2	48.414N	18.625E	1.6	Slovakia
30	7:41:26.5	48.083N	21.333E	1.4	Taktabáj
30	8:50:35.5	46.987N	22.315E	1.9	Romania
30	9:57:38.1	46.941N	17.291E	1.9	Sümegeprága
30	10:43:57.0	47.271N	16.378E	1.9	Austria
30	12:26:06.9	46.945N	22.912E	2.2	Romania
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02	7:32:18.2	46.044N	22.871E	1.8	Romania



## Földrengés paraméterek

## Hypocenter Parameters

02	8:53:12.2	47.856N	16.052E	1.3	Austria
02	9:23:33.9	46.071N	22.871E	1.7	Romania
02	10:10:33.3	48.629N	20.748E	1.5	Slovakia
02	10:12:46.3	48.264N	19.830E	1.3	Slovakia
02	10:54:22.0	47.909N	19.382E	1.6	Becske
02	11:13:39.1	48.601N	20.903E	1.4	Slovakia
02	11:50:13.6	47.545N	16.341E	1.1	Austria
03	8:24:04.8	48.993N	19.390E	1.5	Slovakia
03	8:30:01.7	48.452N	17.159E	2.3	Slovakia
03	10:20:56.1	47.334N	18.446E	2.0	Zámoly
03	13:13:27.1	46.809N	17.273E	1.7	Vállus
04	8:52:22.0	48.105N	20.690E	1.5	Pereces
04	10:16:56.9	48.597N	20.744E	1.7	Slovakia
04	10:32:14.3	47.242N	18.222E	0.6	Bakonykúti
04	10:33:36.6	48.675N	20.846E	1.2	Slovakia
05	8:04:19.5	48.258N	21.237E	1.9	Tállya
05	9:28:09.4	46.138N	18.018E	1.4	Hetvehely
05	9:29:05.6	47.870N	16.042E	1.4	Austria
05	9:35:50.7	47.057N	18.065E	1.8	Papkeszi
05	9:36:16.1	47.056N	18.066E	1.5	Papkeszi
05	9:37:11.1	47.897N	19.208E	1.5	Felsőpetény
05	10:37:02.7	48.434N	19.142E	1.4	Slovakia
05	10:42:45.7	48.903N	18.115E	1.9	Slovakia
05	10:49:43.0	47.220N	18.255E	0.7	Iszkaszentgyörgy
05	11:37:43.7	47.631N	16.646E	0.9	Kópháza
05	12:19:32.4	46.709N	22.955E	1.6	Romania
06	8:41:15.4	46.149N	18.046E	1.1	Hetvehely
06	10:08:57.4	48.562N	20.791E	1.2	Tornanádaska
06	10:16:08.9	46.874N	22.295E	2.0	Romania
06	10:31:56.1	47.589N	18.445E	1.2	Tatabánya
06	10:46:25.2	47.333N	18.425E	1.4	Zámoly
06	11:00:40.6	48.108N	16.919E	1.9	Austria
06	14:21:14.8	48.979N	20.736E	1.6	Slovakia
09	9:16:00.3	46.028N	22.790E	1.8	Romania
09	10:05:02.7	48.939N	19.773E	1.3	Slovakia
09	10:51:44.5	46.052N	22.827E	1.7	Romania
09	11:01:23.0	48.133N	16.905E	1.9	Austria
09	14:17:49.3	45.526N	16.212E	2.0	Croatia
09	15:50:00.5	47.561N	16.363E	1.2	Austria
10	8:32:58.9	48.410N	17.261E	1.8	Slovakia
10	9:31:02.2	48.529N	18.319E	1.3	Slovakia
10	9:32:03.8	47.339N	18.442E	1.7	Zámoly
10	9:38:36.2	48.577N	19.857E	1.2	Slovakia
10	9:44:44.7	47.877N	19.169E	1.5	Nőtincs
10	9:57:23.4	47.821N	19.870E	1.2	GyöngyöSOROSZI
10	10:09:06.8	48.602N	20.764E	1.5	Slovakia
10	11:44:32.3	46.887N	17.424E	1.7	Tapolca
10	12:02:06.8	45.927N	22.675E	1.9	Romania
10	12:02:39.8	45.952N	22.573E	1.6	Romania
11	9:28:29.7	48.503N	17.482E	1.8	Slovakia
11	10:18:39.1	47.201N	18.262E	0.6	Csór
11	10:33:03.6	48.520N	21.451E	1.1	Füzérkómlós
11	11:21:09.6	48.972N	21.264E	1.6	Slovakia
12	8:24:14.9	47.624N	18.450E	1.0	Vérttestolna
12	8:42:22.7	46.146N	18.027E	1.0	Hetvehely
12	9:57:16.4	46.220N	18.276E	1.4	Kisbattyán
12	10:03:08.0	48.577N	19.347E	1.0	Slovakia
12	10:06:26.1	48.216N	21.264E	2.0	Mád
12	11:04:00.8	47.579N	18.416E	1.4	Tatabánya
12	11:09:31.8	47.475N	18.682E	0.6	Herceghalom

## Hypocenter Parameters

## Földrengés paraméterek

12	11:22:56.7	48.494N	19.575E	1.1	Slovakia
12	11:26:02.0	47.482N	18.711E	1.0	Herceghalom
12	12:21:33.8	47.860N	16.053E	1.4	Austria
13	8:42:01.8	46.137N	18.013E	1.2	Hetvehely
13	9:42:09.0	46.178N	18.289E	1.3	Zobákpuszt
13	10:50:46.9	48.884N	21.081E	1.5	Slovakia
13	11:00:05.7	48.138N	16.897E	1.8	Austria
13	11:30:05.8	47.622N	16.630E	0.9	Austria
16	8:36:19.6	45.868N	18.397E	1.1	Kisharsány
16	8:49:08.1	48.064N	20.702E	1.3	Miskolctapolca
16	8:58:26.1	47.335N	18.423E	1.5	Zámoly
16	9:08:45.9	47.208N	18.281E	1.4	Iszkaszentgyörgy
16	9:26:45.4	48.357N	19.015E	1.3	Slovakia
16	9:40:52.7	47.839N	19.072E	1.6	Verőce
16	11:00:52.0	48.097N	16.979E	1.5	Austria
16	11:59:36.3	47.856N	18.840E	1.2	Ipolydamásd
17	8:40:54.0	47.969N	20.383E	1.2	Felsőtárkány
17	9:03:47.7	47.358N	16.012E	1.5	Austria
17	10:49:53.5	47.341N	18.457E	1.5	Lovasberény
17	10:54:21.9	46.785N	17.288E	1.4	Keszthely
17	11:00:09.4	48.132N	16.927E	1.7	Austria
17	13:02:56.4	47.855N	16.036E	1.5	Austria
18	7:17:08.6	47.971N	16.087E	1.2	Austria
18	7:21:59.0	47.313N	17.678E	1.3	Bakonykoppány
18	9:12:32.3	46.747N	22.988E	1.8	Romania
18	10:08:08.6	48.978N	20.229E	1.2	Slovakia
18	10:10:17.7	47.199N	18.249E	0.5	Csór
18	10:31:47.3	48.594N	17.458E	1.5	Slovakia
18	10:33:26.2	48.508N	19.545E	1.2	Slovakia
18	10:33:50.7	48.460N	19.558E	1.1	Slovakia
18	10:35:47.6	47.748N	18.711E	0.9	Dorog
18	11:00:40.4	46.814N	17.354E	2.0	Nemesvita
18	11:17:56.3	48.564N	20.725E	1.5	Komjáti
18	12:10:50.5	47.916N	20.136E	1.1	Recsk
18	13:31:37.6	47.672N	16.022E	1.2	Austria
19	7:58:01.7	47.098N	18.044E	1.7	Királyszentistván
19	9:22:36.5	48.223N	21.285E	1.9	Mád
19	10:24:24.9	48.589N	20.675E	1.5	Slovakia
19	11:38:16.2	47.581N	16.337E	1.4	Austria
20	8:47:29.0	47.000N	22.280E	2.0	Romania
20	9:06:04.6	48.591N	20.756E	1.5	Slovakia
20	9:54:17.8	47.851N	19.087E	1.3	Szendehely
20	9:58:15.3	48.479N	17.388E	1.7	Slovakia
20	10:34:45.1	47.577N	16.686E	0.9	Pereszteg
20	11:05:18.1	48.293N	21.541E	1.7	Bodrogolaszi
23	7:56:56.7	48.444N	18.638E	1.5	Slovakia
23	9:02:18.3	47.376N	18.766E	1.4	Gyúró
23	9:25:16.3	48.542N	17.524E	1.9	Slovakia
23	10:04:20.9	47.514N	18.724E	1.3	Herceghalom
23	11:49:20.6	48.357N	19.860E	1.5	Slovakia
24	8:49:39.0	47.333N	18.451E	1.5	Zámoly
24	9:12:24.3	48.612N	20.775E	1.4	Slovakia
24	9:30:38.5	48.505N	17.407E	1.8	Slovakia
24	9:43:49.7	46.159N	18.286E	1.1	Vasas
24	9:50:51.4	45.744N	22.775E	1.5	Romania
24	9:56:58.5	48.843N	20.433E	1.6	Slovakia
24	10:03:16.0	48.850N	20.499E	1.5	Slovakia
24	10:41:08.1	48.496N	19.585E	1.0	Slovakia
24	10:45:10.1	48.418N	17.223E	1.7	Slovakia
24	11:00:40.3	48.128N	16.930E	1.7	Austria

**Földrengés paraméterek**

**Hypocenter Parameters**

24	11:40:56.1	48.360N	17.379E	1.6	Slovakia
24	13:13:11.1	46.277N	21.886E	1.3	Romania
24	13:43:51.8	45.616N	17.358E	1.6	Croatia
25	8:02:57.3	48.018N	20.351E	1.1	Mónosbél
25	9:14:13.0	48.646N	20.732E	1.4	Slovakia
25	9:16:12.0	47.394N	18.363E	1.4	Gánt
25	9:29:04.7	46.143N	18.017E	1.1	Hetvehely
25	10:20:35.5	47.097N	18.004E	1.9	Litér
25	10:22:13.0	47.193N	18.310E	0.7	Székesfehérvár
25	10:30:51.5	47.861N	19.076E	1.6	Szendehely
26	8:09:01.0	46.041N	22.828E	1.6	Romania
26	9:40:02.4	45.996N	22.829E	1.5	Romania
26	9:46:08.4	46.198N	18.255E	1.3	Komló
26	10:32:31.5	48.242N	21.261E	1.9	Tállya
26	10:43:49.3	48.441N	20.665E	1.1	Szőlősdó
26	11:00:42.1	48.132N	16.918E	1.6	Austria
27	7:17:28.2	48.722N	19.218E	1.1	Slovakia
27	7:54:16.9	48.034N	20.717E	1.2	Kisgyőr
27	8:09:42.2	48.779N	18.758E	1.3	Slovakia
27	8:11:59.0	46.970N	22.265E	2.1	Romania
27	9:35:43.1	47.655N	18.626E	1.4	Bajna
27	9:55:11.4	48.811N	18.096E	1.8	Slovakia
27	11:28:21.2	48.702N	18.700E	1.6	Slovakia
27	11:51:32.6	48.360N	19.858E	1.3	Slovakia
27	11:58:19.6	48.855N	20.682E	1.4	Slovakia
27	15:20:28.1	47.523N	16.343E	1.5	Austria
30	8:37:12.5	47.310N	18.674E	1.2	Vereb
30	9:04:02.8	47.332N	18.529E	1.9	Lovasberény
30	9:07:06.7	46.148N	18.059E	1.4	Okorvölgy
30	9:08:51.7	45.975N	22.326E	1.5	Romania
30	10:14:02.7	46.103N	21.786E	1.4	Romania

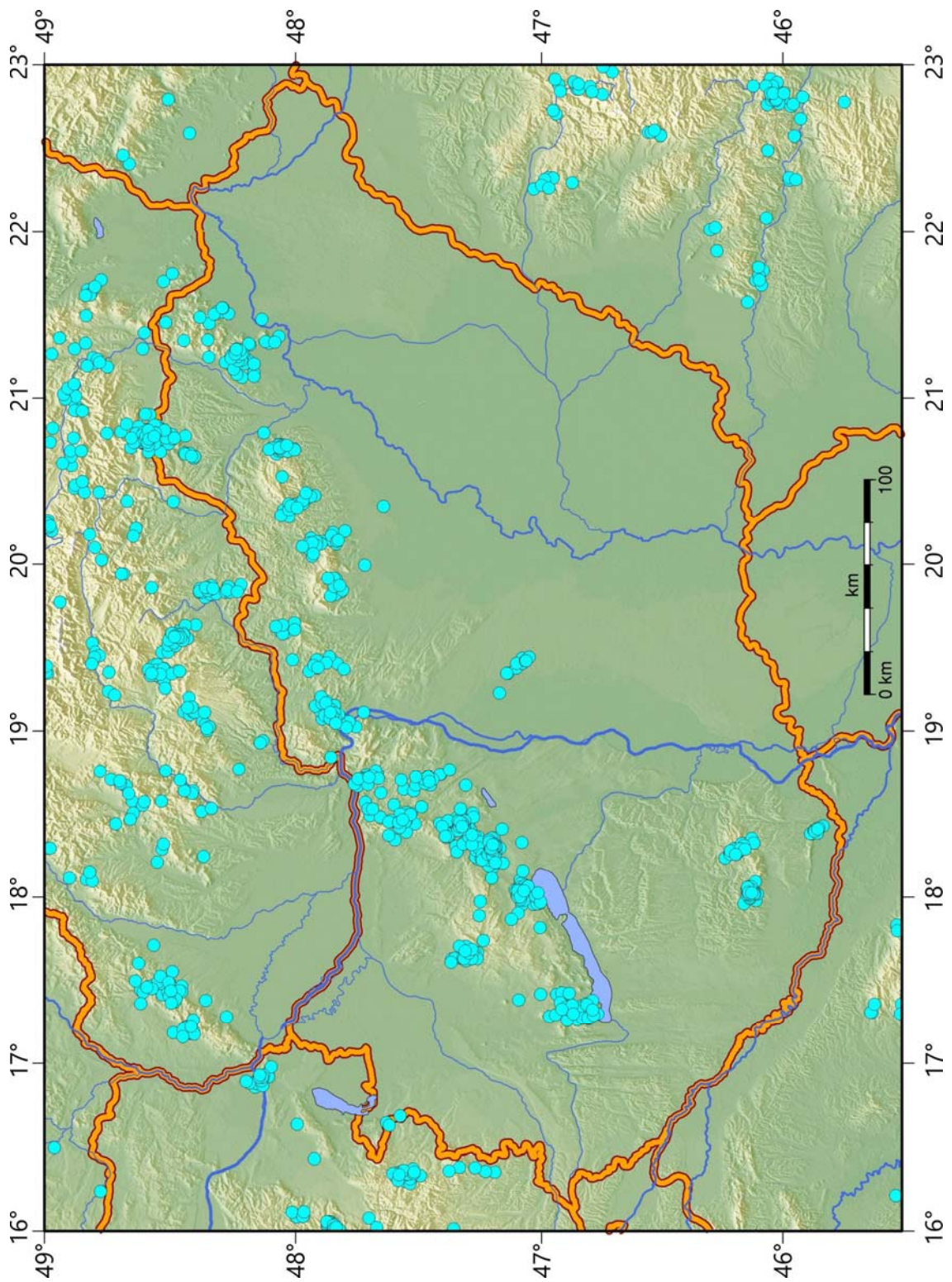
DECEMBER / DECEMBER, 2020

01	8:09:54.4	47.098N	18.038E	1.2	Királyszentistván
01	10:09:05.1	48.589N	20.717E	1.4	Slovakia
01	10:29:37.4	48.332N	19.853E	1.0	Slovakia
01	14:09:41.0	47.520N	16.353E	1.7	Austria
02	8:36:24.4	47.839N	19.046E	1.5	Verőce
02	9:14:22.2	46.143N	18.027E	1.0	Hetvehely
02	9:26:16.7	48.589N	20.757E	1.5	Slovakia
02	10:25:54.7	47.201N	18.284E	0.7	Csór
02	10:59:32.9	48.695N	19.939E	1.8	Slovakia
02	11:49:41.3	46.916N	17.324E	1.9	Sümegprága
02	13:15:33.6	47.643N	20.347E	1.5	Tenk
02	14:18:42.3	47.844N	16.040E	0.9	Austria
03	9:18:07.6	47.086N	18.003E	1.6	Litér
03	9:31:41.8	48.774N	20.025E	1.8	Slovakia
03	9:45:09.7	48.600N	20.754E	1.5	Slovakia
03	10:10:15.3	48.482N	19.569E	1.3	Slovakia
03	10:49:25.4	48.791N	21.230E	1.4	Slovakia
03	12:13:46.3	46.098N	21.710E	1.6	Romania
04	9:25:57.9	47.207N	18.294E	1.1	Székesfehérvár
04	10:14:36.2	47.916N	20.113E	1.1	Recsk
04	11:01:40.0	48.130N	18.943E	0.7	Slovakia
04	12:46:50.3	48.801N	21.669E	2.0	Slovakia
07	7:50:34.7	45.854N	18.409E	1.3	Nagyharsány
07	8:52:46.2	48.778N	16.237E	1.8	Austria
07	9:21:34.5	47.535N	18.496E	1.2	Szárliget
07	9:26:12.3	48.508N	17.489E	0.8	Slovakia
07	9:53:08.7	48.604N	20.750E	1.4	Slovakia

**Hypocenter Parameters**

**Földrengés paraméterek**

07	13:21:21.9	48.275N	19.844E	1.5	Slovakia
08	8:02:03.4	48.813N	19.404E	1.4	Slovakia
08	8:43:06.5	48.977N	18.294E	1.7	Slovakia
08	9:11:32.4	48.461N	18.704E	1.3	Slovakia
08	9:19:26.7	47.325N	18.425E	1.5	Zámoly
08	9:39:36.9	48.237N	21.291E	1.8	Tálya
08	10:52:28.6	46.790N	17.322E	1.9	Keszthely
08	14:01:57.1	47.051N	19.445E	2.0	Ladánybene
08	14:16:26.8	47.065N	19.421E	1.7	Tatárszentgyörgy
08	14:28:57.4	47.063N	19.423E	1.6	Tatárszentgyörgy
09	9:50:26.2	48.657N	20.760E	1.3	Slovakia
09	11:00:50.4	48.145N	16.917E	1.8	Austria
09	13:01:50.5	47.862N	16.044E	1.4	Austria
10	9:05:58.4	48.537N	18.575E	1.0	Slovakia
10	10:51:11.8	48.497N	17.363E	1.6	Slovakia
10	12:36:53.6	48.783N	21.211E	1.6	Slovakia
11	10:22:42.5	47.957N	20.430E	1.2	Felsőtárkány
11	10:54:20.4	48.470N	19.560E	1.0	Slovakia
11	10:55:27.0	48.485N	19.561E	1.2	Slovakia
11	10:59:53.7	48.197N	16.893E	1.5	Austria
11	11:09:09.1	47.444N	18.708E	1.2	Etyek
11	11:34:25.0	47.933N	20.128E	1.1	Recsk
11	13:20:58.9	48.424N	22.587E	1.4	Ukraine
14	7:45:51.4	47.073N	18.037E	1.6	Balatonfűzfő
14	9:33:44.3	47.015N	18.025E	1.5	Balatonalmádi
14	10:06:47.2	47.860N	19.113E	1.4	Szendehely
14	13:01:03.8	48.234N	19.834E	1.2	Slovakia
14	14:25:28.6	47.874N	16.056E	1.4	Austria
15	8:16:53.4	47.200N	18.315E	1.2	Székesfehérvár
15	8:48:47.6	46.131N	18.023E	1.3	Hetvehely
15	8:54:53.8	48.592N	20.773E	1.5	Slovakia
15	9:16:38.1	47.464N	18.723E	1.0	Etyek
15	9:41:08.5	47.703N	18.719E	1.4	Csolnok
15	10:21:54.5	47.583N	18.449E	1.5	Tatabánya
15	10:22:25.0	48.416N	20.650E	0.9	Alsótelkes
15	11:00:05.3	48.141N	18.929E	1.6	Slovakia
15	12:07:32.9	47.459N	18.695E	0.9	Herceghalom
16	7:49:10.4	47.993N	20.340E	1.0	Szarvaskő
16	8:05:57.6	45.945N	22.314E	1.7	Romania
16	11:00:30.4	48.144N	16.928E	2.0	Austria
16	11:14:25.0	47.973N	20.106E	1.2	Kisfüzes
17	8:50:28.0	48.600N	20.769E	1.5	Slovakia
17	9:12:37.3	48.822N	18.149E	1.8	Slovakia
17	10:34:51.7	47.965N	16.117E	1.0	Austria
17	11:31:21.4	47.928N	20.061E	1.9	Bodony
17	14:45:53.9	48.589N	20.807E	1.3	Slovakia
18	9:07:28.9	48.593N	20.735E	1.3	Slovakia
18	10:45:18.1	47.566N	18.465E	1.3	Tatabánya
21	9:26:25.6	47.189N	18.206E	0.9	Csór
21	10:01:42.2	47.847N	16.035E	1.4	Austria
21	10:07:21.8	48.586N	20.755E	1.5	Slovakia
21	12:05:27.3	48.648N	20.168E	1.2	Slovakia
22	9:49:32.7	48.566N	20.771E	1.6	Tornanádaska
22	13:03:46.5	47.845N	16.016E	1.6	Austria
23	10:47:07.9	47.835N	16.023E	1.4	Austria
25	8:43:35.9	48.499N	17.438E	1.8	Slovakia



**3.3. ábra** A 2020-ban regisztrált robbantások epicentrumai

**Figure 3.3.** Epicenters of 2020 explosions

## FÉSZEKPARAMÉTEREK ÉS FÁZISADATOK

A listában alkalmazott jelek és rövidítések magyarázata:

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

Minden rengésnél, ahol elegendő számú első kitérési adat állt rendelkezésre, megkíséreltük a fészekmechanizmus meghatározását. Az ábrákon az alsó félteke sztereografikus képe látható, **P** a maximális, **T** a minimális feszültségtengely iránya. 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 EMS intensity
sta:	Station name. (For details see Chapter 2.)
dist:	Distance from earthquake epicenter to station in km.
azm:	Azimuthal angle between epicenter to station measured from North in degrees.
phase:	Phase identifier; the first letter characterizes onset $e$ = emergent $i$ = impulsive, the second and third indicate the phase eg. Pn, Pg, Sn and Sg, the fourth indicates the polarity C=compression/up D=dilatation/down. Phases signed by * are not used for hypocenter calculaton.
hr mn sec:	Arrival time of the phase from input data.
res:	Residual of the phase in secs. ( $res = T_{obs} - T_{cal}$ , where $T_{obs}$ is the observed and $T_{cal}$ is the calculated travel time respectively.

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, **P** and **T** are the main compression and tension axes respectively. Strike, dip and slip values of the nodal planes are also indicated. Calculations were carried out by computer program FPFIT (Reasenber and Oppenheimer, 1985). The results are summarized in Fig. 3.3.

## Hypocenter Parameters

## Földrengés paraméterek

1.

2020-01-02 time: 9:03:09.45 UTC ML= 0.8  
 lat: 46.069N lon: 18.366E h= 5.6 km  
 erh= 0.8km erz= 3.6km  
 nr= 12 gap=151 rms=0.18  
 Locality: Ellend  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOVH	20.7	276	PgD	9:03:13.49			0.21
			Sg		03:16.18		-0.09
PKSV	21.9	204	Pg	9:03:13.51			0.02
			Sg		03:16.28		-0.36
PKSM	26.5	53	Pg	9:03:14.43			0.14
			Sg		03:18.20		0.13
MORH	27.0	53	Pg	9:03:14.54			0.17
			Sg		03:17.97		-0.24
PKB4	50.9	21	Sg	9:03:25.61			-0.12
PKB5	65.0	26	Sg	9:03:31.93			1.74*
PKB1	86.0	22	Pg	9:03:24.67			-0.17
			Sg		03:36.74		-0.10

2.

2020-01-02 time: 22:53:01.84 UTC ML= 2.2  
 lat: 48.445N lon: 17.128E h= 11.7 km  
 erh= 2.0km erz= 1.9km  
 nr= 14 gap= 93 rms=0.51  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
MODS	13.6	126	ePg	22:53:04.60			-0.44
			eSg		53:06.30		-1.23
SMOL	23.5	71	Pg	22:53:06.78			0.25
			Sg		53:09.68		-0.51
KRUC	87.3	322	Pg	22:53:17.82			0.25
			Sg		53:29.73		-0.10
RONA	103.5	217	P*	22:53:19.85			-0.38
			S*		53:34.22		-0.36
VRAC	103.7	338	P*	22:53:20.69			0.41
			S*		53:34.23		-0.43
CONA	110.3	239	Pn	22:53:22.02			0.88
			Sn		53:35.73		-0.45
EGYH	115.3	172	Sn	22:53:36.67			-0.61
MPLH	145.0	168	Sn	22:53:44.84			0.95

3.

2020-01-03 time: 22:56:49.41 UTC ML= 1.6  
 lat: 47.791N lon: 18.298E h= 0.4 km  
 erh= 1.3km erz= 203km  
 nr= 13 gap=124 rms=0.39  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	44.9	171	Pg	22:56:57.51			0.08
			Sg		57:03.85		0.17
CSKK	47.6	183	Pg	22:56:58.23			0.32
			Sg		57:04.13		-0.42
PKST	62.4	199	Pg	22:57:00.53			-0.02
			Sg		57:07.97		-1.26
A337	63.1	323	Sg	22:57:09.77			0.30
			Pg		22:57:02.25		0.01
A336	71.8	47	Sg	22:57:11.30			-0.94
			Pg		22:57:04.61		0.26
EGYH	83.7	240	Sg	22:57:15.64			-0.37
			Pg		22:57:05.81		0.40
MPLH	89.6	220	Pg	22:57:05.81			0.40
			Sg		57:17.27		-0.62

4.

2020-01-04 time: 9:09:35.12 UTC ML= 2.0  
 lat: 47.932N lon: 19.879E h= 6.7 km  
 erh= 3.0km erz= 2.2km  
 nr= 13 gap= 99 rms=0.84  
 Locality: Mátraszentimre  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	1.9	142	PgU	9:09:35.86			-0.49
			Sg		09:36.33		-0.99
PENC	47.4	251	Pg	9:09:43.61			-0.05
			Sg		09:50.48		0.15
A336	73.7	297	Pg	9:09:48.96			0.64
			Sg		09:57.72		-0.90
KECS	76.1	36	Pg	9:09:49.93			1.17
			Sg		09:58.74		-0.66
ABAH	109.1	68	Pg	9:09:55.67			1.04
			Sg		10:08.49		-1.37
PKSN	115.0	180	Sn	9:10:10.64			-1.00
PKSG	126.9	242	Sn	9:10:13.60			-0.68
PKB5	172.0	210	Sn	9:10:25.50			1.22

5.

2020-01-05 time: 1:08:33.34 UTC ML= 1.9  
 lat: 46.279N lon: 16.920E h= 10.0 km  
 erh= 4.0km erz= 2.0km  
 nr= 14 gap=133 rms=0.72  
 Locality: Órtilos  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	54.9	290	Pg	1:08:43.52			0.22
			Sg		08:50.36		-0.71
KOVH	93.5	103	Pg	1:08:50.27			0.13
			Sg		09:02.35		-0.89
GROS	111.0	281	Pn	1:08:52.58			-0.36
			Sn		09:07.06		-1.16
PKSV	111.8	113	Sn	1:09:07.39			-1.01
CRES	123.9	246	Pn	1:08:56.32			1.77
EGYH	130.4	14	Sn	1:09:12.78			0.26
PKB4	131.8	79	Sn	1:09:12.50			-0.33
PKSM	133.0	93	Sn	1:09:13.60			0.50
MORH	133.2	93	Sn	1:09:13.77			0.63
PKB5	143.9	76	Sn	1:09:15.84			0.32
PERS	144.1	286	Sn	1:09:15.83			0.26

6.

2020-01-05 time: 1:13:22.19 UTC ML= 3.5  
 lat: 46.327N lon: 16.956E h= 11.4 km  
 erh= 1.0km erz= 0.8km  
 nr= 66 gap= 59 rms=0.56  
 Locality: Surd  
 Comments: Felt 4 EMS

sta	dist	azm	phase	hr	mn	sec	res
BEHE	21.1	319	Pg	1:13:26.99			0.52
			Sg		13:30.45		0.64
KOGS	55.9	284	Pg	1:13:32.39			0.01
			Sg		13:39.68		-0.65
PTJ	90.6	238	Pg	1:13:38.16			-0.33
KOVH	92.2	107	Pg	1:13:38.98			0.21
			Sg		13:50.42		-1.29
ZAG	92.7	233	Pg	1:13:39.16			0.29
TIH	96.0	48	Pg	1:13:38.73			-0.72
MPLH	103.8	25	P*	1:13:39.83			-0.83
			S*		13:54.28		-0.79
PKS9	105.7	74	Pn	1:13:41.09			0.15
GOLS	108.7	251	iPnD	1:13:41.26			-0.05
			eSn		13:56.56		0.33
PKSV	111.4	116	Pn	1:13:41.96			0.30
			Sn		13:57.20		0.35

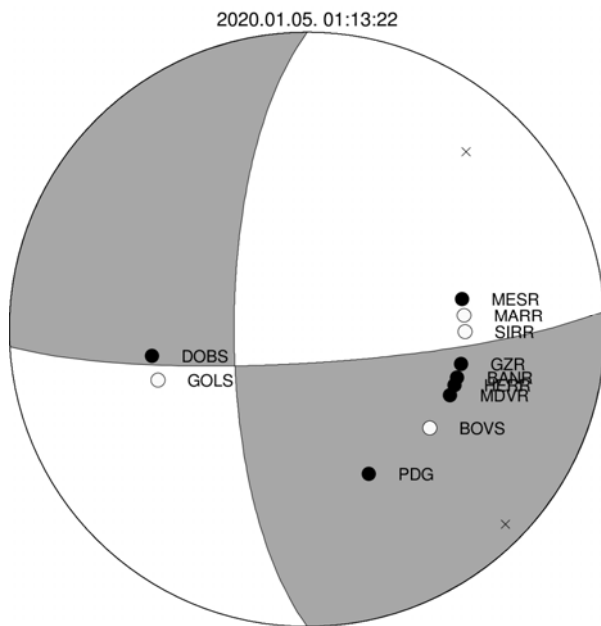


**Földrengés paraméterek**

GROS	112.8	278	Pn	1:13:41.33	-0.50
			Sn	13:55.45	-1.71
GCIS	114.7	244	ePn	1:13:42.11	0.04
			eSn	13:57.62	0.04
DOBS	116.4	260	iPnC	1:13:42.02	-0.25
			eSn	13:57.09	-0.85
EGYH	124.5	13	Pn	1:13:44.09	0.79
			Sn	13:59.58	-0.18
PKB4	128.1	82	Pn	1:13:43.38	-0.36
CRES	128.6	244	Pn	1:13:43.87	0.06
			Sn	13:59.93	-0.74
			Pn	1:13:43.85	-0.20
MORH	130.7	95	Pn	1:13:43.88	-0.19
PKST	132.4	38	Pn	1:13:44.30	0.03
PKB5	139.9	78	Pn	1:13:44.69	-0.52
			Sn	14:03.88	0.70
PERS	145.4	284	Pn	1:13:45.66	-0.23
			Sn	14:04.55	0.17
ARSA	150.0	313	Pn	1:13:46.64	0.17
CSKK	152.2	41	Pn	1:13:47.79	1.04
SOKA	152.7	285	Pn	1:13:46.62	-0.19
			Sn	14:05.46	-0.55
SOP	153.8	349	Pn	1:13:47.13	0.19
			Sn	14:05.99	-0.26
RONA	160.6	342	Pn	1:13:48.09	0.29
			Sn	14:08.85	1.08
PKSG	161.2	43	Pn	1:13:48.15	0.28
PKB3	172.6	86	Pn	1:13:48.94	-0.35
PKS2	174.5	84	Pn	1:13:49.54	0.01
A339	175.3	18	Pn	1:13:52.98	3.36
BLY	176.3	174	Pn	1:13:50.75	1.00
PKB2	179.7	78	Pn	1:13:49.89	-0.28
OBKA	186.2	276	Pn	1:13:50.80	-0.18
PKS7	186.7	65	Pn	1:13:54.39	3.34
			Sn	14:17.44	3.88*
CONA	196.4	335	Pn	1:13:52.43	0.17
PBUD	201.4	51	Pn	1:13:53.75	0.87
BUD	203.4	51	Pn	1:13:53.01	-0.12
MODS	228.8	6	ePn	1:13:56.40	0.10
			eSn	14:20.50	-2.41
PKSN	231.9	74	Pn	1:13:57.71	1.03
PENC	240.2	47	Pn	1:13:58.33	0.61
MYKA	256.7	278	Pn	1:13:59.79	0.01
			Sn	14:36.83	7.73*
FRGS	258.7	121	Pn	1:14:00.62	0.60
A336	262.3	36	Pn	1:14:01.23	0.76
MOA	265.3	310	Pn	1:14:02.04	1.20
			Sn	14:30.70	-0.30
KBA	288.5	287	Pn	1:14:04.99	1.25
BIOA	294.4	301	Pn	1:14:05.46	0.99
			Sn	14:37.10	-0.35*
KRUC	307.0	352	Pn	1:14:05.96	-0.08*
VRAC	332.6	355	Pn	1:14:09.33	0.09*
BBL5	334.7	145	Pn	1:14:11.15	1.66*
BANR	341.2	108	PnC	1:14:10.88	0.57*
ABTA	344.1	278	Pn	1:14:11.64	0.97*
			Sn	15:01.19	12.71*
TREC	347.9	342	ePn	1:14:11.90	0.76*
KECS	358.4	48	ePn	1:14:12.10	-0.36*
			eSn	15:07.20	15.53*
SIRR	362.5	91	PnD	1:14:13.53	0.57*
LANS	366.1	31	Pn	1:14:13.81	0.39*
BZS	369.8	102	Pn	1:14:14.23	0.36*
MORC	386.1	7	Pn	1:14:16.63	0.72*
ABAH	391.0	56	Pn	1:14:17.02	0.51*
KHC	401.8	321	ePn	1:14:19.80	1.94*
			eSn	15:00.80	-0.49*
ZVC	403.1	329	ePn	1:14:19.30	1.28*
MDVR	409.2	115	PnC	1:14:19.51	0.72*
KRLC	417.0	358	Pn	1:14:21.35	1.59*
WTTA	419.3	284	Pn	1:14:21.90	1.85*
WATA	425.5	285	Pn	1:14:22.92	2.10*
NIE	425.8	36	Pn	1:14:21.19	0.34*
DRGR	444.3	83	Pn	1:14:23.59	0.42*
PRU	445.0	336	ePn	1:14:24.20	0.95*

**Hypocenter Parameters**

DPC	449.8	354	ePn	1:14:24.30	0.44*
SQTA	450.1	283	Pn	1:14:24.79	0.90*
			Sn	15:13.32	1.31*
HERR	455.3	111	PnC	1:14:25.47	0.93*
GZR	463.8	103	PnC	1:14:26.13	0.53*
MESR	467.1	79	PnC	1:14:26.34	0.33*
PDG	470.2	157	PnC	1:14:27.73	1.34*
MARR	474.7	85	PnD	1:14:27.59	0.64*
BOVS	479.4	129	PnD	1:14:28.58	1.04*
FETA	482.7	279	Pn	1:14:30.32	2.37*
			Sn	15:22.20	2.95*
RETA	489.2	285	Pn	1:14:31.20	2.44*
			Sn	15:20.96	0.26*
DAVA	550.5	281	Pn	1:14:37.14	0.73*
			Sn	15:35.67	1.36*



7.

2020-01-05 time: 4:32:46.81 UTC ML= 2.1  
 lat: 46.342N lon: 16.916E h= 11.7 km  
 erh= 2.1km erz= 1.5km  
 nr= 27 gap=129 rms=0.65  
 Locality: Belezna  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	17.8	323	Pg	4:32:50.90			0.29
			Sg	32:54.02			0.44
KOGS	52.5	283	Pg	4:32:56.64			0.23
			Sg	33:03.59			-0.32
PTJ	88.9	236	Pg	4:33:02.32			-0.50
KOVH	95.6	107	P*	4:33:03.90			-0.11
			S*	33:14.77			-2.66
MPLH	103.6	27	P*	4:33:03.97			-1.26
GOLS	106.3	250	iPn	4:33:05.38			-0.23
			eSn	33:20.69			0.42
GROS	109.5	277	Pn	4:33:05.61			-0.40
			Sn	33:19.14			-1.84
GCIS	112.8	242	iPn	4:33:07.04			0.63
EGYH	123.6	15	Pn	4:33:07.65			-0.11
CRES	126.6	243	Pn	4:33:09.31			1.17
PKB4	130.9	82	Pn	4:33:09.07			0.40
PKST	132.9	40	Pn	4:33:09.00			0.07
MORH	134.0	96	Pn	4:33:08.26			-0.80
			Sn	33:26.65			0.24
PERS	141.9	283	Pn	4:33:10.12			0.07

## Hypocenter Parameters

## Földrengés paraméterek

ARSA 146.6 314 Sn 33:27.56 -0.61  
Pn 4:33:11.53 0.90  
SOKA 149.3 284 Sn 33:29.61 0.40  
Pn 4:33:11.24 0.28  
Sn 33:29.02 -0.78  
PKSG 162.0 44 Pn 4:33:13.48 0.92  
OBKA 182.9 276 Pn 4:33:15.66 0.51  
Sn 33:40.49 3.23\*

8.

2020-01-05 time: 4:57:02.58 UTC ML= 2.1  
lat: 46.335N lon: 16.945E h= 12.6 km  
erh= 3.3km erz= 2.4km  
nr= 11 gap=137 rms=0.66  
Locality: Belezna  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	19.9	319	Pg	4:57:07.02			0.24
			Sg	57:10.47			0.41
KOGS	54.9	283	Pg	4:57:12.81			0.17
			Sg	57:18.91			-1.58
KOVH	93.2	107	P*	4:57:19.49			0.16
			S*	57:31.47			-0.93
MPLH	103.3	26	S*	4:57:34.30			-0.83
GOLS	108.2	251	ePn	4:57:21.67			0.17
GROS	111.9	277	Pn	4:57:21.87			-0.09
CRES	128.3	244	Pn	4:57:25.27			1.26
PERS	144.3	283	Sn	4:57:43.27			-1.00

9.

2020-01-07 time: 11:13:33.99 UTC ML= 1.7  
lat: 48.620N lon: 20.760E h= 0.0 km  
erh= 2.0km erz= 3.3km  
nr= 9 gap=194 rms=0.43  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.4	233	Pg	11:13:38.98			0.46
			Sg	13:41.93			-0.12
ABAH	50.5	135	Pg	11:13:43.03			0.01
			Sg	13:49.53			-0.53
PSZ	101.1	219	Pg	11:13:52.48			0.43
			Sg	14:05.45			-0.68
LANS	111.7	302	Pg	11:13:54.20			0.27
			Sg	14:08.88			-0.60
A336	137.3	252	Sn	11:14:16.34			-0.64

10.

2020-01-08 time: 9:40:46.80 UTC ML= 1.8  
lat: 48.542N lon: 20.781E h= 0.0 km  
erh= 2.5km erz= 3.6km  
nr= 9 gap=129 rms=0.87  
Locality: Bódvalenke  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	22.8	253	Pg	9:40:50.36			-0.51
			Sg	40:54.32			0.28
ABAH	43.5	129	Pg	9:40:54.22			-0.36
			Sg	41:01.68			1.04
PSZ	95.6	224	Pg	9:41:04.76			0.88
			Sg	41:17.18			-0.01
NIE	103.4	341	Pg	9:41:05.86			0.59
A336	136.4	255	Sn	9:41:27.43			-2.16
TRPA	138.1	109	Sn	9:41:27.94			-2.04

11.

2020-01-09 time: 4:20:20.17 UTC ML= 1.6  
lat: 45.638N lon: 18.379E h= 1.0 km  
erh= 4.5km erz= 114km  
nr= 11 gap=319 rms=0.51  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	29.6	340	Pg	4:20:25.53			0.08
			Sg	20:29.61			0.04
KOVH	54.6	337	Pg	4:20:29.71			-0.20
			Sg	20:36.88			-0.64
PKSM	66.9	18	Pg	4:20:32.15			0.03
			Sg	20:40.69			-0.76
MORH	67.4	18	Pg	4:20:32.05			-0.16
			Sg	20:40.65			-0.95
PKB4	97.0	10	Pg	4:20:38.19			0.70
			Sg	20:51.87			0.88
PKS9	105.8	356	Sg	4:20:54.38			0.59
FRGS	125.2	116	Sg	4:20:54.76			-5.20*

12.

2020-01-09 time: 8:45:05.19 UTC ML= 1.0  
lat: 47.299N lon: 18.323E h= 0.0 km  
erh= 0.5km erz= 151km  
nr= 7 gap=142 rms=0.10  
Locality: Magyarálmás  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	8.5	327	Pg	8:45:06.82			0.10
			Sg	45:08.00			0.09
PKSG	11.5	26	Pg	8:45:07.23			-0.02
			Sg	45:08.65			-0.21
PKST	22.3	258	Pg	8:45:09.17			0.00
			Sg	45:12.10			-0.17
PKSM	123.3	169	Sg	8:45:44.45			0.07

13.

2020-01-09 time: 9:31:04.77 UTC ML= 1.8  
lat: 48.069N lon: 20.723E h= 0.0 km  
erh= 3.7km erz= 784km  
nr= 6 gap=198 rms=0.49  
Locality: Miskolctapolca  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	46.0	57	Pg	9:31:13.33			0.35
			Sg	31:18.92			-0.47
KECS	49.3	339	Pg	9:31:13.76			0.18
			Sg	31:19.74			-0.71
PSZ	64.0	255	Pg	9:31:16.64			0.44
			Sg	31:24.17			-0.95

14.

2020-01-09 time: 10:58:25.09 UTC ML= 2.1  
lat: 48.565N lon: 20.775E h= 0.0 km  
erh= 3.2km erz= 2.2km  
nr= 8 gap=237 rms=0.32  
Locality: Tornanádaska  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.3	247	Pg	10:58:29.31			0.07
			Sg	58:32.19			-0.29
ABAH	45.6	131	Pg	10:58:33.35			0.12
			Sg	58:39.08			-0.50
PSZ	97.2	222	Pg	10:58:42.83			0.38
			Sg	58:55.93			-0.07

## Földrengés paraméterek

A336 136.6 254 Sn 10:59:06.87 -1.06  
 PENC 140.6 232 Sn 10:59:08.96 0.15

15.

2020-01-10 time: 2:33:40.29 UTC ML= 1.2  
 lat: 45.870N lon: 17.931E h= 12.2 km  
 erh= 2.0km erz= 3.1km  
 nr= 7 gap=333 rms=0.10  
 Locality: Nagycsány  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOVH	27.6	28	Pg	2:33:45.76			0.09
			Sg	33:49.74			-0.13
PKSM	66.8	55	Pg	2:33:52.41			-0.01
			Sg	34:01.81			-0.08
MORH	67.3	55	Pg	2:33:52.41			-0.09
			Sg	34:02.22			0.20
PKB4	86.9	37	Sg	2:34:08.22			0.05

16.

2020-01-10 time: 9:23:52.08 UTC ML= 1.2  
 lat: 47.455N lon: 18.674E h= 0.0 km  
 erh= 2.3km erz= 4.0km  
 nr= 14 gap=120 rms=0.72  
 Locality: Alcsútdoboz  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	22.5	252	Pg	9:23:55.89			-0.21
			Sg	23:59.23			0.00
ID55	29.9	313	Sg	9:24:00.95			-0.65
CSKK	32.8	252	Pg	9:23:58.44			0.50
			Sg	24:02.54			0.03
ID66	50.5	31	Sg	9:24:07.48			-0.67
PKST	53.0	246	Pg	9:24:02.49			0.94
			Sg	24:08.65			-0.27
PENC	59.0	51	Sg	9:24:11.55			0.71
PSZ	105.2	61	Sg	9:24:25.18			-0.33
PKB4	106.7	183	Sg	9:24:25.55			-0.46
MORH	137.8	181	Sn	9:24:33.07			-2.12
PKSM	138.2	181	Pn	9:24:17.04			0.69
			Sn	24:33.30			-1.99

17.

2020-01-10 time: 10:26:41.35 UTC ML= 1.7  
 lat: 48.597N lon: 20.768E h= 0.0 km  
 erh= 1.3km erz= 1.5km  
 nr= 10 gap=169 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.3	239	Pg	10:26:45.89			0.19
			Sg	26:49.12			0.03
ABAH	48.3	134	Pg	10:26:50.70			0.72
			Sg	26:56.87			0.15
PSZ	99.5	221	Pg	10:26:59.07			-0.04
			Sg	27:12.58			-0.39
LANS	113.5	303	Pg	10:27:01.78			0.15
A336	137.0	253	Sn	10:27:23.05			-1.24
TRPA	141.1	112	Sn	10:27:23.18			-2.02
DRGR	248.1	144	Sn	10:27:47.28			-1.66

## Hypocenter Parameters

18.

2020-01-13 time: 9:29:26.18 UTC ML= 1.7  
 lat: 46.114N lon: 17.982E h= 0.0 km  
 erh= 2.1km erz= 534km  
 nr= 13 gap=204 rms=0.45  
 Locality: Dinnyeberki  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	9.6	107	PgU	9:29:27.99			0.11
			Sg	29:29.28			0.07
PKSV	32.6	140	Pg	9:29:32.22			0.21
			Sg	29:36.02			-0.53
MORH	52.4	78	Pg	9:29:35.27			-0.26
			Sg	29:41.79			-1.04
PKS9	57.4	23	Pg	9:29:36.95			0.53
			Sg	29:44.23			-0.18
PKB4	64.1	48	Pg	9:29:37.87			0.25
			Sg	29:46.37			-0.17
PKB5	78.9	47	Sg	9:29:52.02			0.76
MPLH	122.2	344	Sg	9:30:04.55			-0.47
PKST	127.4	2	Sg	9:30:04.66			-2.00

19.

2020-01-13 time: 9:54:52.60 UTC ML= 1.8  
 lat: 48.572N lon: 20.747E h= 0.0 km  
 erh= 3.2km erz= 6.9km  
 nr= 10 gap=149 rms=0.75  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	21.7	243	Pg	9:54:56.73			0.25
			Sg	54:59.16			-0.34
ABAH	47.6	130	Pg	9:55:00.70			-0.40
			Sg	55:07.91			0.17
PSZ	96.4	221	Pg	9:55:10.28			0.46
			Sg	55:22.66			-0.59
NIE	99.4	341	Pg	9:55:11.99			1.65
LANS	113.8	304	Pg	9:55:12.30			-0.62
			Sg	55:26.95			-1.82
A336	134.8	254	Pn	9:55:16.48			0.03

20.

2020-01-14 time: 9:47:56.02 UTC ML= 1.3  
 lat: 46.180N lon: 18.288E h= 0.0 km  
 erh= 1.4km erz= 500km  
 nr= 10 gap=103 rms=0.39  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.8	235	Pg	9:47:59.10			-0.10
			Sg	48:01.98			0.30
MORH	27.8	82	Pg	9:48:01.06			0.08
			Sg	48:04.59			-0.26
PKSV	32.5	185	Pg	9:48:01.64			-0.19
			Sg	48:06.44			0.07
PKB4	42.7	35	Sg	9:48:09.97			0.37
PKST	121.5	351	Pg	9:48:18.38			0.66
			Sg	48:33.86			-0.78
MPLH	124.1	332	Sg	9:48:34.69			-0.77

21.

2020-01-14 time: 11:08:21.59 UTC ML= 1.9  
 lat: 47.346N lon: 18.448E h= 0.0 km  
 erh= 1.2km erz= 483km  
 nr= 12 gap=113 rms=0.40  
 Locality: Gánt  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKSG	6.7	319	Pg	11:08:22.92	0.13
			Sg	08:23.40	-0.32
CSKK	14.3	278	Pg	11:08:24.39	0.24
			Sg	08:25.97	-0.17
PKST	32.8	253	Pg	11:08:27.80	0.36
			Sg	08:31.57	-0.44
MPLH	71.5	254	Sg	11:08:44.04	-0.29
PKB4	95.2	173	Sg	11:08:51.67	-0.18
A336	106.9	23	Sg	11:08:55.23	-0.34
PSZ	125.9	60	Sg	11:09:01.01	-0.61
MORH	126.5	173	Pg	11:08:45.01	0.83
			Sg	09:01.29	-0.52

22.

2020-01-14 time: 11:23:56.50 UTC ML= 1.7  
 lat: 47.342N lon: 18.462E h= 0.0 km  
 erh= 1.3km erz= 2.4km  
 nr= 9 gap=114 rms=0.29  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.8	316	PgU	11:23:57.93	0.04
			Sg	23:58.52	-0.45
CSKK	15.4	279	Pg	11:23:59.31	0.06
			Sg	24:00.83	-0.57
PKST	33.6	254	Pg	11:24:02.86	0.35
			Sg	24:07.45	0.26
PSZ	125.3	59	Sg	11:24:36.48	0.15
MORH	125.9	174	Sg	11:24:36.12	-0.41
KOVH	142.1	191	Sn	11:24:40.50	-0.05

23.

2020-01-16 time: 7:20:35.10 UTC ML= 1.2  
 lat: 47.312N lon: 18.326E h= 0.0 km  
 erh= 1.3km erz= 228km  
 nr= 6 gap=227 rms=0.13  
 Locality: Sóréd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	7.6	319	PgU	7:20:36.57	0.11
			Sg	20:37.44	-0.08
PKSG	10.1	29	PgU	7:20:37.02	0.11
			Sg	20:38.11	-0.21
PKST	22.9	255	Pg	7:20:39.04	-0.15
			Sg	20:42.50	0.13

24.

2020-01-16 time: 8:25:49.97 UTC ML= 2.2  
 lat: 45.908N lon: 16.733E h= 10.0 km  
 erh= 2.5km erz= 2.2km  
 nr= 28 gap= 84 rms=0.79  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	60.1	269	Pg	8:26:00.81	-0.04
			Sg	26:07.52	-1.82
BEHE	62.6	3	Pg	8:26:01.32	0.03
			Sg	26:09.69	-0.43
KOGS	70.7	328	Pg	8:26:03.19	0.48
			Sg	26:13.51	0.85
GCIS	85.9	267	iPg	8:26:05.90	0.49
GOLS	86.7	278	iPg	8:26:05.75	0.20
			iSg	26:17.98	0.28
CESS	98.7	274	iPg	8:26:08.34	0.66
			iSg	26:21.86	0.35
CRES	99.5	265	iPg	8:26:07.34	-0.48
			iSg	26:20.24	-1.51

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KOVH	107.8	79	Pn	8:26:08.86	-0.30
			Sn	26:22.34	-1.80
LEGS	109.9	272	iPn	8:26:09.82	0.40
			iSn	26:23.93	-0.66
GROS	113.2	303	iPn	8:26:08.86	-0.98
PKSV	117.9	91	Pn	8:26:09.97	-0.46
			Sn	26:24.73	-1.66
BOJS	123.7	249	iPn	8:26:11.51	0.36
BLY	133.6	165	Pn	8:26:13.75	1.37
PDKS	135.5	277	iPn	8:26:13.80	1.18
PKS9	141.1	58	Sn	8:26:32.35	0.81
SOKA	156.5	303	Pn	8:26:15.29	0.06
			Sn	26:33.70	-1.24
PKB4	158.6	66	Sn	8:26:36.90	1.50
RONA	202.0	351	Pn	8:26:21.27	0.37
			Sn	26:41.45	-3.59*

25.

2020-01-16 time: 9:07:09.34 UTC ML= 1.5  
 lat: 48.055N lon: 20.721E h= 0.0 km  
 erh= 4.5km erz= 922km  
 nr= 6 gap=201 rms=0.57  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.0	55	Pg	9:07:18.22	0.49
			Sg	07:23.61	-0.66
KECS	50.7	340	Pg	9:07:18.73	0.34
			Sg	07:24.60	-0.85
PSZ	63.5	256	Pg	9:07:21.01	0.33
			Sg	07:28.54	-0.99

26.

2020-01-16 time: 10:12:03.77 UTC ML= 1.6  
 lat: 46.824N lon: 17.352E h= 0.0 km  
 erh= 4.9km erz= 759km  
 nr= 7 gap=256 rms=0.50  
 Locality: Nemesvita  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.1	20	Pg	10:12:10.81	-0.29
			Sg	12:16.61	-0.21
PKST	70.9	47	Pg	10:12:17.30	0.87
			Sg	12:25.64	-0.67
CSKK	91.4	49	Sg	10:12:32.55	-0.27
PKSG	101.0	51	Sg	10:12:36.38	0.51
PKSM	120.1	125	Pg	10:12:25.02	-0.19

27.

2020-01-16 time: 11:45:53.01 UTC ML= 2.1  
 lat: 47.351N lon: 18.402E h= 0.0 km  
 erh= 2.3km erz= 5.1km  
 nr= 17 gap=103 rms=1.03  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.7	349	PgU	11:45:53.76	-0.08
			Sg	45:54.27	-0.22
CSKK	10.8	277	Pg	11:45:55.25	0.31
			Sg	45:56.79	0.35
PKST	29.6	250	Sg	11:46:01.14	-1.29
MPLH	68.3	253	Sg	11:46:15.31	0.58
PKB5	87.8	163	Sg	11:46:22.29	1.39
PKB4	96.2	171	Sg	11:46:24.52	0.93
A336	107.8	24	Pg	11:46:13.09	0.83
			Sg	46:25.61	-1.67
MORH	127.5	172	Sg	11:46:32.27	-1.27
PKSM	127.9	172	Sg	11:46:31.86	-1.81
PSZ	128.7	61	Pg	11:46:16.06	0.07

## Földrengés paraméterek

MODS 141.5 323 Sg 46:32.97 -0.94  
 ePn 11:46:20.00 2.31  
 eSn 46:34.10 -2.84  
 KOVH 142.2 189 Sn 11:46:36.35 -0.75

28.

2020-01-17 time: 8:54:11.28 UTC ML= 1.3  
 lat: 47.088N lon: 18.033E h= 0.0 km  
 erh= 1.5km erz= 548km  
 nr= 11 gap=108 rms=0.45  
 Locality: Királyszentistván  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	23.5	207	Sg	8:54:19.21	0.47
CSKK	35.1	29	Pg	8:54:17.28	-0.27
			Sg	54:22.52	0.07
MPLH	38.5	284	Pg	8:54:18.01	-0.15
			Sg	54:23.74	0.21
PKSG	43.3	39	Pg	8:54:19.05	0.03
			Sg	54:25.47	0.42
PKB4	78.9	146	Sg	8:54:34.81	-1.56
MORH	107.7	154	Pg	8:54:30.66	0.15
PKSM	108.0	154	Pg	8:54:30.97	0.41
			Sg	54:44.35	-1.25

29.

2020-01-17 time: 9:32:04.99 UTC ML= 1.3  
 lat: 48.026N lon: 20.285E h= 0.0 km  
 erh= 2.5km erz= 432km  
 nr= 5 gap=181 rms=0.22  
 Locality: Egerbocs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	31.5	248	Pg	9:32:10.68	0.06
			Sg	32:14.91	-0.10
KECS	52.9	16	Sg	9:32:22.03	0.22
ABAH	77.1	67	Pg	9:32:18.83	0.08
			Sg	32:28.85	-0.64

30.

2020-01-17 time: 9:41:28.39 UTC ML= 1.6  
 lat: 48.553N lon: 20.741E h= 0.0 km  
 erh= 4.4km erz= 4.3km  
 nr= 8 gap=233 rms=0.42  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.4	248	Pg	9:41:31.82	-0.22
			Sg	41:34.75	-0.13
ABAH	46.7	128	Pg	9:41:36.36	-0.36
			Sg	41:43.15	-0.07
PSZ	94.6	222	Pg	9:41:45.77	0.50
			Sg	41:58.44	0.00
A336	133.9	255	Pn	9:41:52.64	0.53
			Sn	42:09.33	-1.29

31.

2020-01-17 time: 11:37:37.72 UTC ML= 1.6  
 lat: 48.625N lon: 20.820E h= 0.0 km  
 erh= 3.5km erz= 730km  
 nr= 6 gap=199 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	29.3	237	Pg	11:37:43.22	0.27
			Sg	37:47.24	0.21

## Hypocenter Parameters

ABAH 48.0 140 Pg 11:37:46.63 0.34  
 Sg 37:52.43 -0.55  
 PSZ 104.4 221 Sg 11:38:09.63 -1.27  
 LANS 115.1 301 Pg 11:37:58.18 -0.10

32.

2020-01-19 time: 14:21:12.35 UTC ML= 0.3  
 lat: 47.380N lon: 18.355E h= 10.0 km  
 erh= 5.5km erz= 1.6km  
 nr= 5 gap=177 rms=0.14  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	3.0	64	Pg	14:21:14.26	0.04
			Sg	21:15.40	-0.27
CSKK	7.4	255	Pg	14:21:14.61	0.04
			Sg	21:16.52	0.21
PKST	27.7	241	Sg	14:21:21.59	-0.14

33.

2020-01-20 time: 10:41:33.57 UTC ML= 1.8  
 lat: 48.528N lon: 20.778E h= 0.0 km  
 erh= 2.7km erz= 4.4km  
 nr= 9 gap=146 rms=0.61  
 Locality: Tornaszentandrás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.2	257	Pg	10:41:36.94	-0.59
			Sg	41:40.02	-0.60
ABAH	42.8	127	Pg	10:41:40.96	-0.26
			Sg	41:46.97	-0.22
PSZ	94.4	224	Pg	10:41:51.19	0.77
			Sg	42:04.68	1.11
NIE	104.7	341	Pg	10:41:52.56	0.28
A336	135.8	256	Sn	10:42:15.09	-1.14
OJC	201.1	339	Pn	10:42:05.98	0.30

34.

2020-01-21 time: 9:58:08.98 UTC ML= 1.8  
 lat: 48.589N lon: 20.758E h= 0.0 km  
 erh= 0.7km erz= 9.4km  
 nr= 9 gap=152 rms=0.21  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.3	240	Pg	9:58:13.10	-0.04
			Sg	58:16.10	-0.28
ABAH	48.2	132	Pg	9:58:17.53	-0.07
			Sg	58:24.45	0.13
NIE	97.9	341	Pg	9:58:26.53	0.07
			Sg	58:39.97	-0.13
PSZ	98.3	221	Pg	9:58:26.87	0.33
			Sg	58:39.97	-0.26
A336	136.1	253	Sn	9:58:49.03	-2.68*

35.

2020-01-22 time: 4:33:35.86 UTC ML= 2.0  
 lat: 45.559N lon: 18.230E h= 12.9 km  
 erh= 6.2km erz= 2.4km  
 nr= 14 gap=252 rms=0.77  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	36.7	3	Pg	4:33:43.99	1.19
			Sg	33:48.59	0.38
PKSM	79.3	24	Pg	4:33:49.75	-0.45

## Hypocenter Parameters

			Sg	34:01.28	-0.11
MORH	79.8	24	Pg	4:33:49.79	-0.50
			Sg	34:01.21	-0.33
PKB4	108.1	16	Pn	4:33:53.65	-1.08
			Sn	34:09.51	0.07
PKB5	121.6	19	Sn	4:34:12.70	0.26
PKB3	121.8	38	Pn	4:33:56.29	-0.14
			Sn	34:11.84	-0.63
PKS2	128.7	36	Sn	4:34:16.03	2.03
FRGS	132.5	111	Pn	4:33:58.88	1.11
			Sn	34:14.10	-0.76

36.

2020-01-22 time: 10:17:34.60 UTC ML= 2.1  
 lat: 48.228N lon: 21.264E h= 0.0 km  
 erh= 1.5km erz= 2.0km  
 nr= 10 gap=155 rms=0.36  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.7	346	PgU	10:17:36.02	0.04
			Sg	17:37.50	0.44
KECS	64.3	296	Pg	10:17:46.01	-0.07
			Sg	17:54.07	-0.97
TRPA	95.4	97	Pg	10:17:51.63	-0.01
			Sg	18:04.94	0.01
PSZ	107.7	251	Pg	10:17:54.21	0.37
			Sg	18:08.00	-0.85
LANS	167.4	308	eSn	10:18:24.30	0.03
A336	168.3	270	Sn	10:18:24.76	0.29

37.

2020-01-22 time: 10:23:01.76 UTC ML= 1.5  
 lat: 47.336N lon: 18.431E h= 0.0 km  
 erh= 0.8km erz= 303km  
 nr= 10 gap=113 rms=0.24  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.9	334	PgU	10:23:02.97	-0.02
			Sg	23:03.42	-0.54
CSKK	13.2	283	PgU	10:23:04.28	0.16
			Sg	23:05.67	-0.29
PKST	31.2	254	Pg	10:23:07.66	0.34
			Sg	23:11.74	0.07
A336	108.5	23	Sg	10:23:36.38	0.14
MORH	125.6	173	Sg	10:23:41.54	-0.12
PKSM	126.0	173	Sg	10:23:41.50	-0.29
PSZ	127.7	60	Sg	10:23:42.25	-0.09

38.

2020-01-23 time: 9:03:52.23 UTC ML= 1.8  
 lat: 46.001N lon: 22.828E h= 0.0 km  
 erh= 1.9km erz= 3.6km  
 nr= 26 gap= 66 rms=1.00  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	14.4	156	PgD	9:03:55.52	0.72
			Sg	03:58.20	1.41
GZR	67.7	183	PgC	9:04:04.68	0.36
			Sg	04:13.60	-0.15
MARR	78.3	17	PgD	9:04:08.14	1.93
			Sg	04:17.90	0.79
DRGR	88.3	354	Pg	9:04:07.08	-0.92
			Sg	04:18.17	-2.14
SIRR	95.0	288	PgD	9:04:10.12	0.92
			Sg	04:22.80	0.37
LOT	95.7	130	PgC	9:04:09.79	0.47

## Földrengés paraméterek

			Sg	04:21.10	-1.55
CJR	98.9	37	PgD	9:04:10.76	0.87
			Sg	04:22.80	-0.87
BZS	103.4	246	Pg	9:04:10.23	-0.47
			Sg	04:24.07	-1.03
MDB	121.1	83	PgC	9:04:14.35	0.49
			Sg	04:28.50	-2.23
HERR	128.6	195	PgC	9:04:15.49	0.29
			Sg	04:31.50	-1.61
DJES	153.9	189	Sn	9:04:37.46	-1.45
ARR	157.3	117	PnD	9:04:18.84	-0.04
MDVR	161.3	213	PnC	9:04:19.78	0.41
			Sn	04:40.30	-0.24
DOPR	198.5	91	PnD	9:04:24.85	0.84
BOVS	277.5	199	Sn	9:05:04.90	-1.45

39.

2020-01-23 time: 21:03:07.66 UTC ML= 2.8  
 lat: 48.138N lon: 22.912E h= 15.4 km  
 erh= 1.7km erz= 1.0km  
 nr= 36 gap=114 rms=0.60  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	27.8	268	Pg	21:03:13.13	-0.20
			Sg	03:17.63	-0.13
CEI	60.7	214	PgD	21:03:20.02	1.18
BMR	67.7	140	PgD	21:03:18.34	-1.72
ID53	76.4	257	Pg	21:03:21.53	-0.05
			Sg	03:32.77	0.33
MESR	109.9	179	PnC	21:03:27.14	0.71
LTVH	113.0	222	Pn	21:03:26.80	-0.02
			Sn	03:41.43	-0.32
ABAH	125.6	278	Pn	21:03:28.16	-0.23
			Sn	03:43.43	-1.12
ID51	148.0	244	Pn	21:03:30.74	-0.44
			Sn	03:49.75	0.22
DRGR	150.4	186	Pn	21:03:31.30	-0.19
			Sn	03:49.70	-0.37
MARR	163.3	175	PnD	21:03:33.00	-0.09
CJR	166.6	162	PnC	21:03:34.95	1.45
KWP	166.8	355	Pn	21:03:34.09	0.56
			Sn	03:53.47	-0.23
ID58	177.7	269	Pn	21:03:34.40	-0.49
			Sn	03:59.33	3.20*
KJX	180.5	283	Pn	21:03:35.11	-0.12
			Sn	03:57.12	0.38
BURA	181.9	109	PnC	21:03:35.27	-0.15
KECS	184.1	282	Pn	21:03:35.86	0.18
			Sn	03:57.24	-0.30
BSZH	219.3	245	Sn	21:04:05.67	0.32
PSZ	226.4	264	Pn	21:03:40.85	-0.11
			Sn	04:06.80	-0.14
SIRR	228.6	205	PnC	21:03:40.91	-0.32
NIE	238.3	307	Pn	21:03:43.48	1.03
			Sn	04:11.40	1.82
PKSN	267.6	239	Sn	21:04:16.05	-0.03
PENC	273.9	262	Pn	21:03:48.05	1.17
LANS	277.7	294	Pn	21:03:46.55	-0.81
BZS	297.2	199	Pn	21:03:49.49	-0.29
			Sn	04:22.34	-0.30*
PKS6	305.3	236	Sn	21:04:23.41	-1.02*
GZR	305.3	182	PnC	21:03:59.54	8.75*
DOPR	306.0	142	PnC	21:03:54.61	3.73*
LOT	306.1	168	PnD	21:04:00.35	9.45*
PKS7	307.1	247	Sn	21:04:23.59	-1.25*
OZUR	314.8	136	PnD	21:03:55.17	3.18*
OJC	324.3	316	Pn	21:03:52.98	-0.18*
			Sn	04:27.98	-0.67*
PKS2	334.2	237	Sn	21:04:29.64	-1.22*
PKB3	339.7	236	Sn	21:04:30.23	-1.86*
PKSG	349.0	256	Sn	21:04:34.21	0.07*
PKB5	359.1	241	Sn	21:04:33.91	-2.48*

## Földrengés paraméterek

## Hypocenter Parameters

CSKK 359.3 256 Sn 21:04:35.81 -0.62\*  
 HERR 364.0 186 PnC 21:03:58.20 0.08\*  
 PKB4 373.4 241 Sn 21:04:36.88 -2.68\*  
 PKST 379.0 255 Pn 21:03:59.66 -0.32\*  
 Sn 04:39.49 -1.30\*  
 MORC 433.5 295 Sn 21:04:52.35 -0.54\*  
 VRAC 482.8 286 Pn 21:04:13.13 0.20\*  
 Sn 05:03.91 0.07\*  
 KRUC 491.6 282 Pn 21:04:13.96 -0.06\*  
 Sn 05:04.69 -1.09\*  
 DPC 539.3 297 ePn 21:04:19.60 -0.37\*  
 eSn 05:16.00 -0.38\*  
 TREC 561.4 283 eSn 21:05:20.20 -1.08\*  
 KHC 696.8 279 eSn 21:05:49.30 -2.04\*

40.

2020-01-24 time: 9:49:11.76 UTC ML= 1.8  
 lat: 48.597N lon: 20.762E h= 0.0 km  
 erh= 1.1km erz= 7.2km  
 nr= 8 gap=131 rms=0.27  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.1	238	Pg	9:49:16.03			-0.02
			Sg	49:19.85			0.44
ABAH	48.7	134	Pg	9:49:20.66			0.21
			Sg	49:27.11			-0.12
NIE	97.1	340	Pg	9:49:29.12			0.03
PSZ	99.3	220	Sg	9:49:42.82			-0.49
LANS	113.1	303	Pg	9:49:31.89			-0.07
TRPA	141.5	112	Sn	9:49:53.51			-2.18*

41.

2020-01-27 time: 9:06:58.51 UTC ML= 1.6  
 lat: 48.697N lon: 20.798E h= 0.0 km  
 erh= 2.5km erz= 3.6km  
 nr= 6 gap=189 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	33.1	224	Pg	9:07:04.80			0.37
			Sg	07:08.38			-0.66
ABAH	55.3	144	Pg	9:07:09.09			0.71
			Sg	07:15.46			-0.62
PSZ	109.5	218	Sg	9:07:32.91			-0.41
KWP	173.7	53	Sn	9:07:49.14			-0.45

42.

2020-01-27 time: 10:10:52.47 UTC ML= 1.9  
 lat: 47.791N lon: 19.061E h= 0.0 km  
 erh= 1.3km erz= 2.0km  
 nr= 13 gap=142 rms=0.43  
 Locality: Dunabogdány  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ID66	6.8	332	Pg	10:10:53.73			0.04
PENC	16.5	90	Pg	10:10:56.06			0.64
			Sg	10:58.19			0.46
A336	49.4	355	Sg	10:11:07.86			-0.31
A338	58.5	295	Pg	10:11:03.42			0.50
			Sg	11:11.15			0.07
PSZ	64.0	77	Sg	10:11:12.01			-0.79
PKST	97.3	233	Pg	10:11:09.65			-0.20
			Sg	11:22.87			-0.54
KECS	131.0	54	ePn	10:11:15.60			-0.24
			eSn	11:33.10			-0.97
MPLH	133.8	239	Pn	10:11:16.32			0.13
			Sn	11:34.09			-0.61

43.

2020-01-28 time: 5:38:37.07 UTC ML= 2.1  
 lat: 45.957N lon: 16.015E h= 2.0 km  
 erh= 2.1km erz=12.5km  
 nr= 18 gap=168 rms=0.60  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	7.7	215	Pg	5:38:38.31			-0.18
			Sg	38:39.39			-0.21
ZAG	14.3	187	Pg	5:38:39.50			-0.14
			Sg	38:42.00			0.35
GOLS	30.8	281	iPg	5:38:43.50			0.91
			eSg	38:47.88			0.99
GCIS	31.7	252	iPg	5:38:42.23			-0.50
			eSg	38:47.10			-0.05
CRCS	45.7	251	Pg	5:38:45.09			-0.14
			Sg	38:51.09			-0.51
DOBS	47.4	297	ePg	5:38:45.24			-0.29
			eSg	38:52.31			0.18
KOGS	57.6	18	Pg	5:38:47.70			0.34
			Sg	38:55.18			-0.20
GROS	68.6	325	Pg	5:38:49.26			-0.07
			Sg	38:57.80			-1.09
PERS	102.4	317	Pg	5:38:56.67			1.31
			Sg	39:08.06			-1.57

44.

2020-01-28 time: 7:53:07.17 UTC ML= 3.6  
 lat: 46.016N lon: 16.090E h= 7.8 km  
 erh= 0.9km erz= 0.7km  
 nr= 92 gap= 54 rms=0.61  
 Locality: Croatia  
 Comments:

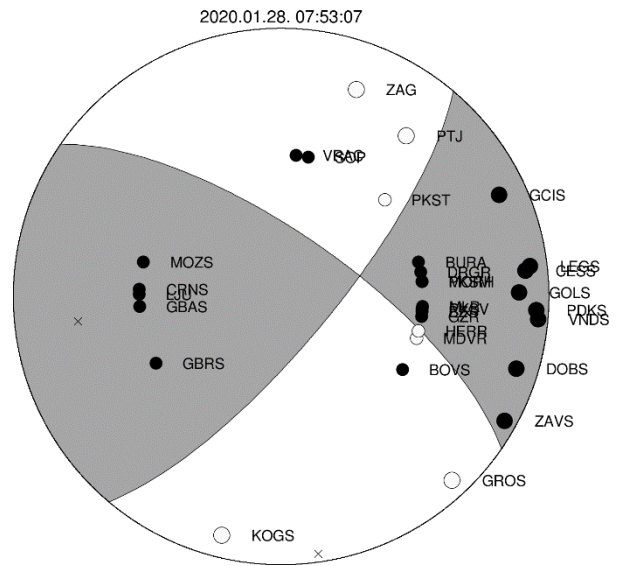
sta	dist	azm	phase	hr	mn	sec	res
PTJ	16.5	218	PgD	7:53:10.41			-0.02
			Sg	53:12.58			-0.39
ZAG	22.1	200	PgD	7:53:11.73			0.38
			Sg	53:15.31			0.69
GOLS	36.1	269	iPgC	7:53:14.09			0.33
			eSg	53:19.62			0.72
GCIS	39.5	245	iPgC	7:53:14.64			0.28
			iSg	53:19.89			-0.09
CESS	48.8	264	iPgC	7:53:16.33			0.33
			eSg	53:23.02			0.13
KOGS	49.6	14	PgD	7:53:16.49			0.36
			Sg	53:23.26			0.14
DOBS	50.3	287	iPgC	7:53:16.54			0.29
			eSg	53:23.05			-0.29
CRCS	53.5	247	Pg	7:53:16.76			-0.06
LEGS	60.3	263	iPgC	7:53:18.23			0.20
			eSg	53:26.84			0.33
GROS	67.1	317	PgD	7:53:19.37			0.14
			Sg	53:27.65			-1.00
BEHE	73.1	46	Pg	7:53:20.66			0.37
			Sg	53:30.18			-0.34
PDKS	84.7	273	iPgC	7:53:22.38			0.02
			eSg	53:33.55			-0.66
BOJS	86.6	229	iPg	7:53:22.41			-0.28
			eSg	53:33.87			-0.92
ZAVS	94.4	299	iPgC	7:53:23.94			-0.15
			eSg	53:35.84			-1.45
VISS	99.9	256	iPg	7:53:24.29			-0.77
			eSg	53:38.02			-1.00
PERS	101.8	313	Pg	7:53:24.88			-0.52
			Sg	53:37.19			-2.44
VNDS	107.9	275	iPgC	7:53:26.06			-0.43
			eSg	53:40.01			-1.55
SOKA	109.7	312	Pg	7:53:26.24			-0.57
			Sg	53:39.16			-2.98*
GBRS	113.2	242	iPnC	7:53:26.60			-0.72

### Hypocenter Parameters

Station	Dist	Azm	Phase	hr	mn	sec	res
LJU	121.1	271	eSn	53:42.36	-0.69		
			iPnC	7:53:28.01	-0.29		
			eSn	53:42.83	-1.95		
GBAS	128.1	266	iPnC	7:53:28.96	-0.21		
			eSn	53:45.53	-0.80		
OBKA	130.9	295	Pn	7:53:29.98	0.46		
			Sn	53:45.65	-1.31		
MOZS	130.9	284	iPnC	7:53:29.85	0.32		
			eSn	53:45.92	-1.05		
CEY	132.8	257	iPn	7:53:29.56	-0.20		
			eSn	53:47.69	0.31		
CRNS	141.8	273	iPnC	7:53:31.32	0.44		
			eSn	53:50.59	1.22		
KNDS	143.6	248	iPn	7:53:31.50	0.39		
			eSn	53:50.68	0.89		
ARSA	143.9	342	Pn	7:53:31.56	0.41		
			Sn	53:47.74	-2.11		
JAVS	157.7	265	iPn	7:53:33.52	0.66		
			eSn	53:53.92	1.01		
BLY	164.8	149	Pn	7:53:34.14	0.38		
			Sn	53:53.76	-0.74		
GORS	164.9	282	ePn	7:53:34.38	0.62		
			eSn	53:56.17	1.66		
PKSV	168.2	95	PnU	7:53:33.36	-0.82		
			Sn	53:55.03	-0.21		
MPLH	169.7	41	Pn	7:53:34.26	-0.10		
			Sn	53:55.67	0.10		
SKDS	169.7	252	ePn	7:53:34.77	0.41		
			eSn	53:56.79	1.22		
VOJS	170.6	271	ePn	7:53:35.25	0.78		
			eSn	53:57.66	1.89		
PKS9	180.1	69	Pn	7:53:34.34	-1.33		
EGYH	182.4	31	Pn	7:53:36.52	0.58		
CADS	183.4	277	ePn	7:53:36.66	0.58		
			eSn	54:00.96	2.34		
RONA	187.8	5	Pn	7:53:37.13	0.51		
			Sn	54:00.35	0.76		
SOP	188.7	11	PnU	7:53:37.14	0.40		
PKSM	198.4	84	PnU	7:53:36.95	-0.99		
MORH	198.7	84	PnU	7:53:36.98	-0.99		
MYKA	200.5	290	Pn	7:53:39.13	0.92		
			Sn	54:05.73	3.31*		
PKB4	201.0	75	Pn	7:53:38.39	0.12		
ROBS	201.1	277	ePn	7:53:38.80	0.52		
			eSn	54:06.71	4.17*		
PKST	203.1	47	PnD	7:53:38.33	-0.19		
CONA	213.3	355	Pn	7:53:41.09	1.29		
CSKK	223.6	48	Pn	7:53:41.98	0.90		
PKSG	233.1	49	Pn	7:53:42.12	-0.15		
KBA	241.4	299	Pn	7:53:44.48	1.17		
PKB3	243.8	79	Pn	7:53:42.74	-0.86		
MOA	246.7	326	Pn	7:53:44.63	0.67		
			Sn	54:11.97	-0.69		
ZST	254.2	18	Pn	7:53:45.25	0.35		
BIOA	263.9	315	Pn	7:53:46.55	0.44		
			Sn	54:16.58	0.09		
MODS	277.1	19	ePn	7:53:47.30	-0.45		
ABTA	287.0	286	Pn	7:53:51.28	2.29		
FRGS	306.4	109	Pn	7:53:50.73	-0.68*		
KRUC	339.4	4	Pn	7:53:55.54	0.02*		
			Sn	54:32.91	-0.33*		
PSZ	358.5	54	Sn	7:54:37.26	-0.22*		
VRAC	368.0	6	PnC	7:53:59.50	0.41*		
KHC	394.5	331	ePn	7:54:04.00	1.60*		
			eSn	54:46.00	0.52*		
ZVC	406.3	339	ePn	7:54:05.30	1.43*		
BZS	431.8	96	PnC	7:54:07.74	0.70*		
MORC	432.0	15	Pn	7:54:07.75	0.68*		
			Sn	54:52.91	-0.88*		
MDVR	461.1	107	PnD	7:54:11.20	0.50*		
DPC	482.2	2	ePn	7:54:14.30	0.97*		
			eSn	55:04.80	-0.14*		
HERR	510.7	104	PnD	7:54:16.97	0.09*		
DRGR	516.4	80	PnC	7:54:16.90	-0.69*		
BOVS	517.0	121	PnC	7:54:17.46	-0.20*		

### Földrengés paraméterek

GZR	525.3	98	PnC	7:54:18.61	-0.09*
STHS	540.8	46	ePn	7:54:21.40	0.76*
NKC	541.7	330	ePn	7:54:21.50	0.76*
BURA	718.8	76	PnC	7:54:43.61	0.78*
MLR	769.0	94	PnC	7:54:49.55	0.46*



45.

2020-01-28 time: 8:40:52.47 UTC ML= 2.4  
 lat: 46.013N lon: 16.073E h= 14.2 km  
 erh= 1.7km erz= 1.2km  
 nr= 33 gap=150 rms=0.66  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	15.4	216	PgD	8:40:55.56	-0.65		
			Sg	40:57.70	-1.43		
ZAG	21.3	197	PgD	8:40:56.92	-0.13		
			Sg	41:00.51	-0.11		
GOLS	34.7	270	iPg	8:40:59.40	0.22		
			iSg	41:05.10	0.69		
GCIS	38.1	245	iPg	8:40:59.83	0.09		
			eSg	41:05.04	-0.37		
CESS	47.5	265	iPg	8:41:01.72	0.40		
			iSg	41:08.48	0.26		
DOBS	49.1	288	iPg	8:41:02.04	0.43		
			eSg	41:08.41	-0.32		
KOGS	50.3	16	Pg	8:41:02.02	0.21		
			Sg	41:08.54	-0.55		
CRES	52.1	247	Pg	8:41:02.15	0.03		
			Sg	41:09.56	-0.08		
LEGS	59.0	263	iPg	8:41:03.59	0.29		
			eSg	41:11.90	0.15		
GROS	66.5	319	Pg	8:41:04.73	0.11		
			Sg	41:12.55	-1.55		
BEHE	74.3	47	Sg	8:41:15.80	-0.72		
PDKS	83.4	274	iP*	8:41:07.83	0.26		
			eS*	41:19.05	-0.30		
BOJS	85.3	229	iP*	8:41:07.78	-0.08		
			eS*	41:18.68	-1.18		
PERS	101.1	313	S*	8:41:22.38	-1.77		
VANDS	106.6	275	iPn	8:41:11.35	0.37		
SOKA	109.0	313	Pn	8:41:12.00	0.72		
			Sn	41:24.40	-1.55		
OBKA	129.8	295	Pn	8:41:15.72	1.85		
			Sn	41:30.84	0.27		
ARSA	143.9	343	Sn	8:41:32.81	-0.88		
RONA	188.3	5	Pn	8:41:23.60	2.43		



## Földrengés paraméterek

## Hypocenter Parameters

Sn 41:47.24 3.69\*

46.

2020-01-28 time: 8:42:44.59 UTC ML= 1.5  
 lat: 46.026N lon: 16.024E h= 0.3 km  
 erh= 3.4km erz= 150km  
 nr= 5 gap=240 rms=0.23  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	14.9	200	Pg	8:42:47.03	-0.22
			Sg	42:49.33	0.00
CRES	49.3	243	Pg	8:42:53.75	0.36
			Sg	43:00.15	-0.10
GROS	62.9	320	Sg	8:43:04.45	-0.14

47.

2020-01-28 time: 9:25:34.09 UTC ML= 1.4  
 lat: 47.035N lon: 17.960E h= 0.0 km  
 erh= 0.7km erz= 162km  
 nr= 7 gap=118 rms=0.11  
 Locality: Szentkirályszabadja  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	15.8	199	Pg	9:25:36.87	-0.05
PKST	25.6	13	Pg	9:25:38.65	-0.01
			Sg	25:42.13	-0.09
MPLH	35.3	295	Pg	9:25:40.58	0.18
			Sg	25:45.01	-0.30
CSKK	43.0	32	Pg	9:25:41.81	0.03
PKSM	105.3	150	Pg	9:25:52.89	-0.01

48.

2020-01-28 time: 9:52:02.92 UTC ML= 1.6  
 lat: 48.578N lon: 20.755E h= 0.0 km  
 erh= 1.8km erz= 7.6km  
 nr= 9 gap= 90 rms=0.57  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.5	242	Pg	9:52:07.20	0.25
			Sg	52:09.94	-0.14
ABAH	47.7	131	Pg	9:52:11.93	0.49
			Sg	52:18.14	0.06
PSZ	97.3	221	Sg	9:52:32.96	-0.89
STHS	99.9	21	ePg	9:52:21.30	0.54
			eSg	52:33.50	-1.16
LANS	113.9	304	Pg	9:52:23.05	-0.21
TRPA	141.3	111	Sn	9:52:44.21	-2.60

49.

2020-01-28 time: 10:40:55.08 UTC ML= 1.5  
 lat: 48.672N lon: 20.378E h= 0.0 km  
 erh= 3.7km erz= 907km  
 nr= 8 gap=175 rms=0.68  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.5	159	Pg	10:40:58.86	-0.24
			Sg	41:02.01	-0.22
ABAH	76.2	123	Pg	10:41:09.84	1.15
			Sg	41:18.49	-0.81
LANS	85.3	309	Pg	10:41:10.68	0.36
			Sg	41:21.05	-1.16
PSZ	91.2	203	Pg	10:41:11.63	0.26
			Sg	41:23.22	-0.85

50.

2020-01-28 time: 11:25:44.55 UTC ML= 1.6  
 lat: 46.112N lon: 21.610E h= 10.0 km  
 erh= 6.8km erz= 2.6km  
 nr= 14 gap=189 rms=0.83  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SIRR	17.7	13	PgC	11:25:47.91	-0.28
			Sg	25:51.20	0.18
BZS	55.0	179	Pg	11:25:54.22	-0.32
			Sg	26:01.25	-1.08
DRGR	113.5	48	Pn	11:26:03.69	-0.77
			Sn	26:16.11	-3.87
GZR	120.9	131	PnC	11:26:06.59	1.20
			Sn	26:22.10	0.47
LTVH	143.3	9	Sn	11:26:26.88	0.29
MDVR	148.1	177	PnC	11:26:09.88	1.11
			Sn	26:27.00	-0.66
HERR	150.6	155	PnC	11:26:09.15	0.06
			Sn	26:27.90	-0.33
LOT	183.5	114	PnC	11:26:14.66	1.47

51.

2020-01-28 time: 23:46:52.59 UTC ML= 2.2  
 lat: 46.008N lon: 16.070E h= 12.4 km  
 erh= 2.6km erz= 3.0km  
 nr= 23 gap=181 rms=0.75  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	14.8	216	Pg	23:46:55.42	-0.63
			Sg	46:57.56	-1.18
ZAG	20.8	196	Pg	23:46:56.86	-0.05
			Sg	47:00.17	-0.11
GOLS	34.5	270	iPg	23:46:59.26	0.12
			eSg	47:04.15	-0.10
GCIS	37.7	245	iPg	23:46:59.75	0.07
			iSg	47:05.10	-0.11
CESS	47.2	265	iPg	23:47:01.43	0.13
			eSg	47:07.91	-0.18
DOBS	49.1	289	iPg	23:47:01.82	0.19
			eSg	47:08.98	0.31
KOGS	50.9	16	Pg	23:47:02.21	0.27
			Sg	47:08.20	-1.03
CRES	51.7	247	Pg	23:47:02.11	0.03
			Sg	47:08.86	-0.63
LEGS	58.7	264	iPg	23:47:03.44	0.14
			iSg	47:12.16	0.51
GROS	66.7	319	Pg	23:47:06.66	1.95
			Sg	47:12.66	-1.51
PERS	101.3	314	P*	23:47:11.91	1.33
			S*	47:22.27	-2.34
ARSA	144.3	343	Sn	23:47:32.77	-1.54

52.

2020-01-29 time: 3:41:25.96 UTC ML= 1.9  
 lat: 47.841N lon: 20.956E h= 5.0 km  
 erh= 1.6km erz= 2.2km  
 nr= 14 gap=142 rms=0.45  
 Locality: Hejókürt  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	54.8	23	PgD	3:41:36.30	0.52
			Sg	41:43.33	-0.11
ID53	73.3	78	Pg	3:41:39.23	0.15
KJX	79.1	337	Pg	3:41:40.30	0.19
			Sg	41:50.19	-0.96

## Hypocenter Parameters

KECS	79.5	334	Pg	3:41:40.44	0.26
			Sg	41:50.51	-0.76
PSZ	79.9	276	Pg	3:41:40.47	0.22
			Sg	41:51.08	-0.31
LTVH	87.3	126	Pg	3:41:41.60	0.03
			Sg	41:52.87	-0.88
PENC	125.5	267	Sn	3:42:04.56	-0.64
A336	152.3	287	Sn	3:42:11.48	0.34
LANS	182.5	323	Sn	3:42:19.30	1.47

53.

2020-01-29 time: 9:24:02.79 UTC ML= 1.7  
 lat: 47.561N lon: 18.648E h= 0.0 km  
 erh= 2.6km erz= 2.5km  
 nr= 16 gap=161 rms=0.72  
 Locality: Gyermely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	27.0	226	Pg	9:24:08.83	1.21
			Sg	24:13.19	1.81
CSKK	36.6	233	Pg	9:24:09.35	0.03
			Sg	24:14.76	0.35
PENC	54.0	62	Pg	9:24:12.76	0.32
			Sg	24:20.22	0.26
PKST	57.2	234	Pg	9:24:12.89	-0.12
			Sg	24:21.47	0.50
MPLH	94.3	243	Pg	9:24:19.88	0.24
			Sg	24:32.57	-0.20
EGYH	100.5	261	Pg	9:24:20.22	-0.51
			Sg	24:32.79	-1.93
MORH	149.5	180	Pn	9:24:28.04	-0.43
			Sn	24:47.42	-1.08
PKSM	150.0	180	Pn	9:24:28.01	-0.52
			Sn	24:47.06	-1.54

54.

2020-01-29 time: 9:37:24.43 UTC ML= 2.4  
 lat: 48.189N lon: 21.225E h= 0.0 km  
 erh= 3.1km erz= 2.2km  
 nr= 6 gap=248 rms=0.29  
 Locality: Ond  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	11.9	5	Pg	9:37:26.68	0.13
			Sg	37:27.95	-0.26
KECS	63.8	301	Sg	9:37:44.89	0.17
PSZ	103.7	253	Sg	9:37:57.43	0.05
STHS	136.5	1	eSn	9:38:07.40	0.16
NIE	152.3	334	Sn	9:38:09.68	-1.06

55.

2020-01-29 time: 13:21:10.52 UTC ML= 1.6  
 lat: 46.342N lon: 21.987E h= 4.1 km  
 erh= 3.4km erz= 3.0km  
 nr= 20 gap= 81 rms=0.97  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SIRR	26.6	252	PgD	13:21:15.77	0.45
			Sg	21:19.20	0.13
DRGR	74.7	48	Pg	13:21:24.61	0.74
			Sg	21:34.41	0.12
BZS	85.6	200	Pg	13:21:25.22	-0.60
			Sg	21:36.05	-1.71
MARR	94.4	67	PgD	13:21:28.04	0.64
			Sg	21:39.60	-0.96
MESR	116.0	39	Sg	13:21:45.80	-1.62
GZR	122.0	150	PnD	13:21:31.28	-0.95
			Sn	21:47.50	-1.67

## Földrengés paraméterek

CJR	130.3	72	PnC	13:21:34.31	1.04
			Sn	21:49.50	-1.52
HERR	165.8	168	PnC	13:21:38.99	1.29
			Sn	21:59.30	0.40
LOT	170.3	126	PnC	13:21:39.46	1.20
			Sn	22:00.60	0.70
MDVR	174.8	187	PnD	13:21:39.99	1.17
			Sn	22:01.20	0.31
PSZ	236.5	318	Sn	13:22:13.88	-0.70

56.

2020-01-29 time: 22:20:30.05 UTC ML= 2.4  
 lat: 46.020N lon: 16.073E h= 6.0 km  
 erh= 1.1km erz= 0.9km  
 nr= 67 gap= 53 rms=0.68  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	16.0	214	Pg	22:20:32.98	-0.13
			Sg	20:35.18	-0.31
ZAG	22.1	196	Pg	22:20:34.42	0.28
			Sg	20:37.94	0.62
GOLS	34.8	268	iSg	22:20:42.41	1.15
GCIS	38.5	244	iPgC	22:20:37.26	0.25
			iSg	20:42.62	0.19
CESS	47.5	264	iPg	22:20:39.16	0.55
			iSg	20:45.32	0.04
DOBS	48.9	287	iPg	22:20:39.35	0.50
			iSg	20:45.76	0.05
KOGS	49.5	16	Pg	22:20:39.46	0.50
			Sg	20:46.00	0.08
CRES	52.4	246	Pg	22:20:39.56	0.08
			Sg	20:46.26	-0.57
LEGS	59.1	262	iPgC	22:20:40.89	0.24
			iSg	20:49.66	0.74
GROS	65.9	318	Pg	22:20:42.66	0.79
			Sg	20:50.17	-0.93
BEHE	73.8	47	Pg	22:20:43.23	-0.04
			Sg	20:53.02	-0.56
PDKS	83.4	273	iPg	22:20:44.92	-0.06
			iSg	20:55.76	-0.86
BOJS	85.8	228	iPgC	22:20:44.96	-0.45
			iSg	20:57.08	-0.31
ZAVS	93.1	300	iPg	22:20:46.62	-0.09
			iSg	20:58.56	-1.14
VISS	98.7	256	iPg	22:20:47.16	-0.55
			iSg	21:02.19	0.71
PERS	100.6	313	Pg	22:20:47.85	-0.19
			Sg	20:59.95	-2.13
VNDS	106.5	275	iPg	22:20:48.69	-0.42
			iSg	21:03.77	-0.20
SOKA	108.5	312	Pg	22:20:49.06	-0.39
			Sg	21:01.87	-2.72
GBRS	112.3	241	iPg	22:20:49.32	-0.81
			iSg	21:04.90	-0.88
GBAS	126.7	266	iPn	22:20:51.60	-0.52
			iSn	21:08.59	-0.74
OBKA	129.5	295	Pn	22:20:52.82	0.35
			Sn	21:08.69	-1.26
MOZS	129.5	284	iPn	22:20:52.46	-0.01
			iSn	21:09.09	-0.87
CEY	131.6	256	iPn	22:20:53.34	0.62
			iSn	21:09.40	-1.01
CRNS	140.4	273	iPn	22:20:54.38	0.56
			iSn	21:13.43	1.07
KNDS	142.5	247	iPn	22:20:54.95	0.86
			iSn	21:12.59	-0.25
ARSA	143.2	343	Pn	22:20:54.54	0.37
			Sn	21:10.14	-2.84*
JAVS	156.4	265	iPn	22:20:56.80	0.98
			eSn	21:16.35	0.44
BLY	165.9	148	Pn	22:20:58.16	1.16
			Sn	21:15.91	-2.11

## Földrengés paraméterek

## Hypocenter Parameters

SKDS 168.5 252 iPnD 22:20:58.77 1.44  
 iSn 21:19.40 0.79  
 PKSV 169.6 95 Pn 22:20:56.17 -1.29  
 RONA 187.5 5 Pn 22:21:00.55 0.85  
 Sn 21:25.31 2.48  
 PKSM 199.7 84 Pn 22:20:59.80 -1.42  
 CONA 212.8 356 Pn 22:21:03.41 0.56  
 Sn 21:29.06 0.63  
 KBA 240.1 299 Pn 22:21:06.74 0.49  
 Sn 21:34.42 -0.07  
 MOA 245.6 326 Pn 22:21:07.39 0.45  
 Sn 21:35.74 0.03  
 KHC 393.6 332 ePn 22:21:25.40 0.01\*  
 eSn 22:07.00 -1.56\*

57.

2020-01-30 time: 2:41:05.57 UTC ML= 0.2  
 lat: 47.378N lon: 18.210E h= 4.0 km  
 erh= 5.9km erz= 4.0km  
 nr= 6 gap=219 rms=0.12  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.2	114	Pg	2:41:06.77	0.16
			Sg	41:07.25	-0.17
PKSG	13.7	84	Pg	2:41:08.18	0.05
			Sg	41:09.91	-0.21
PKST	18.8	225	Pg	2:41:08.94	-0.05
			Sg	41:11.70	0.03

58.

2020-01-30 time: 9:46:21.79 UTC ML= 2.3  
 lat: 46.854N lon: 17.263E h= 0.0 km  
 erh= 2.6km erz= 4.3km  
 nr= 27 gap=116 rms=1.12  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	40.9	31	Pg	9:46:28.87	-0.23
			Sg	46:35.25	0.45
TIH	48.3	84	Pg	9:46:30.74	0.33
EGYH	62.8	5	Pg	9:46:34.84	1.84
			Sg	46:43.35	1.60
PKST	73.9	52	Pg	9:46:35.05	0.07
			Sg	46:45.33	0.06
KOGS	89.7	240	Pg	9:46:41.11	3.30
CSKK	94.5	53	Pg	9:46:39.44	0.77
			Sg	46:51.54	-0.29
PKSG	104.4	55	Pg	9:46:40.43	0.00
			Sg	46:54.79	-0.17
PKB5	116.2	104	Sg	9:46:57.71	-1.02
RONA	119.1	322	Pg	9:46:41.96	-1.10
			Sg	46:57.02	-2.63
MORH	127.5	124	Pg	9:46:45.12	0.56
			Sg	47:00.95	-1.38
PKSM	127.6	124	Pg	9:46:44.61	0.03
			Sg	47:00.83	-1.52
ARSA	139.4	288	Pn	9:46:45.51	-0.69
			Sn	47:03.68	-1.56
CONA	159.5	318	Pn	9:46:47.33	-1.39
			Sn	47:07.59	-2.13
SOKA	171.5	263	Pn	9:46:50.87	0.66
			Sn	47:11.96	-0.42
OBKA	211.2	260	Pn	9:46:54.76	-0.40
			Sn	47:21.12	-0.06

59.

2020-01-30 time: 10:16:31.65 UTC ML= 2.3  
 lat: 47.330N lon: 18.448E h= 0.0 km  
 erh= 1.3km erz= 448km  
 nr= 8 gap=114 rms=0.32  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.1	328	Pg	10:16:33.18	0.08
			Sg	16:33.54	-0.69
CSKK	14.6	285	Pg	10:16:34.58	0.32
			Sg	16:36.55	0.25
PKST	32.2	256	Sg	10:16:41.45	-0.45
MORH	124.8	173	Sg	10:17:11.51	0.20
PKSM	125.2	173	Sg	10:17:11.17	-0.27
PSZ	126.9	59	Sg	10:17:11.99	0.00

60.

2020-01-30 time: 10:29:51.86 UTC ML= 1.4  
 lat: 47.329N lon: 18.450E h= 0.0 km  
 erh= 2.6km erz= 449km  
 nr= 7 gap=205 rms=0.29  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.3	328	Pg	10:29:53.45	0.11
			Sg	29:53.95	-0.55
CSKK	14.8	285	Pg	10:29:54.80	0.30
			Sg	29:56.07	-0.49
PKST	32.4	256	Pg	10:29:57.84	0.21
MORH	124.6	173	Sg	10:30:31.23	-0.23
PKSM	125.0	173	Sg	10:30:31.47	-0.12

61.

2020-01-30 time: 10:49:49.82 UTC ML= 1.5  
 lat: 48.507N lon: 20.726E h= 0.0 km  
 erh= 5.5km erz= 787km  
 nr= 5 gap=220 rms=0.37  
 Locality: Bódvarákó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	18.0	262	Pg	10:49:53.01	-0.02
			Sg	49:56.22	0.69
ABAH	44.7	122	Pg	10:49:57.55	-0.25
			Sg	50:04.45	0.43
PSZ	90.0	223	Sg	10:50:17.93	-0.50

62.

2020-01-31 time: 10:33:40.53 UTC ML= 1.6  
 lat: 48.608N lon: 20.775E h= 0.0 km  
 erh= 2.1km erz= 4.0km  
 nr= 13 gap=114 rms=0.67  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.5	237	Pg	10:33:45.19	0.10
ABAH	48.8	135	Pg	10:33:49.04	-0.21
			Sg	33:55.40	-0.65
STHS	96.2	21	ePg	10:33:58.20	0.48
			eSg	34:10.00	-1.12
NIE	96.3	339	Pg	10:33:58.66	0.93
			Sg	34:10.56	-0.58
PSZ	100.8	220	Pg	10:33:59.41	0.87
			Sg	34:12.43	-0.15
LANS	113.3	302	Pg	10:34:00.79	0.02
			Sg	34:14.98	-1.57

## Hypocenter Parameters

A336 137.9 252 Pn 10:34:04.67 -0.10  
Sn 34:22.23 -1.44

63.

2020-02-01 time: 3:47:48.62 UTC ML= 2.0  
lat: 47.662N lon: 18.019E h= 10.9 km  
erh= 1.0km erz= 1.0km  
nr= 55 gap= 41 rms=0.73  
Locality: Bábolna  
Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	27.7	53	ePg	3:47:54.20	0.26
			eSg	47:59.10	1.01
A339	32.9	304	Pg	3:47:55.90	1.08
			Sg	47:59.67	0.02
CSKK	37.9	151	Pg	3:47:55.35	-0.32
			Sg	48:01.29	0.13
PKSG	41.1	137	Pg	3:47:55.94	-0.27
			Sg	48:01.90	-0.23
PKST	44.9	179	Pg	3:47:56.38	-0.49
			Sg	48:02.69	-0.61
A338	46.5	32	Pg	3:47:57.78	0.63
			Sg	48:04.94	1.14
EGYH	58.5	242	PgU	3:47:59.73	0.49
			Sg	48:08.30	0.77
MPLH	65.6	213	Pg	3:48:00.16	-0.34
			Sg	48:08.77	-0.99
A337	66.9	345	Sg	3:48:09.55	-0.62
BUD	78.2	105	PgU	3:48:01.83	-0.89
			Sg	48:11.68	-2.03
ZST	90.6	311	Pg	3:48:05.18	0.26
			Sg	48:17.14	-0.49
PENC	95.8	81	Pg	3:48:06.03	0.19
MODS	96.5	325	ePg	3:48:06.60	0.64
A336	96.9	49	Pg	3:48:05.42	-0.61
			Sg	48:17.87	-1.74
SMOL	104.4	335	S*	3:48:20.12	-1.62
SOP	109.7	271	Pn	3:48:07.63	-0.32
			Sn	48:21.27	-1.75
PKS9	121.2	171	Sn	3:48:25.36	-0.21
RONA	129.4	272	Pn	3:48:10.44	0.04
			Sn	48:27.03	-0.36
PKB5	130.5	155	Pn	3:48:11.07	0.53
			Sn	48:26.92	-0.72
PKB4	137.0	161	Pn	3:48:12.10	0.75
			Sn	48:28.84	-0.25
PSZ	143.4	79	Pn	3:48:12.68	0.53
			Sn	48:31.05	0.56
PKB2	143.8	140	Pn	3:48:13.01	0.82
			Sn	48:31.45	0.87
PKB3	164.2	147	Sn	3:48:36.67	1.57
CONA	164.3	280	Pn	3:48:15.12	0.37
			Sn	48:36.34	1.20
MORH	167.7	164	Pn	3:48:15.53	0.35
			Sn	48:34.21	-1.69
PKSM	168.1	164	Pn	3:48:15.34	0.11
			Sn	48:34.27	-1.71
BSZH	174.2	103	Pn	3:48:16.08	0.10
ARSA	193.7	256	Sn	3:48:42.78	1.12
KRUC	196.7	322	Pn	3:48:18.36	-0.43
			Sn	48:40.41	-1.92
KECS	205.2	64	ePn	3:48:21.30	1.44
VRAC	211.2	330	Pn	3:48:20.59	-0.01
GROS	233.3	235	Pn	3:48:23.51	0.16
MORC	237.7	352	Sn	3:48:50.23	-1.20
PERS	248.0	243	Sn	3:48:53.15	-0.55
DPC	323.7	337	eSn	3:49:09.90	-0.60*

## Földrengés paraméterek

64.

2020-02-01 time: 4:39:32.92 UTC ML= 0.4  
lat: 47.378N lon: 18.239E h= 2.8 km  
erh= 0.2km erz= 0.1km  
nr= 5 gap=213 rms=0.03  
Locality: Mór  
Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.3	134	Pg	4:39:33.59	0.03
			Sg	39:34.05	-0.01
PKSG	11.6	82	Pg	4:39:35.05	0.01
			Sg	39:36.66	-0.04
PKST	20.3	230	Sg	4:39:39.41	-0.03

65.

2020-02-01 time: 9:34:56.95 UTC ML= 1.0  
lat: 46.178N lon: 18.300E h= 0.0 km  
erh= 1.2km erz= 239km  
nr= 8 gap=207 rms=0.17  
Locality: Zobákpusztá  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	26.6	82	Pg	9:35:01.89	0.19
			Sg	35:05.39	-0.01
MORH	26.9	81	Pg	9:35:01.84	0.09
			Sg	35:05.26	-0.23
PKSV	32.4	187	Pg	9:35:02.63	-0.12
			Sg	35:07.17	-0.09
PKB4	42.4	33	Pg	9:35:04.67	0.15
			Sg	35:09.98	-0.44

66.

2020-02-02 time: 13:10:57.67 UTC ML= 2.0  
lat: 46.926N lon: 19.156E h= 8.2 km  
erh= 1.0km erz= 1.2km  
nr= 38 gap= 67 rms=0.59  
Locality: Újsolt  
Comments:

sta	dist	azm	phase	hr mn sec	res
PKS7	13.5	2	PgU	13:11:00.95	0.47
			Sg	11:03.39	0.71
PKB2	28.8	167	Pg	13:11:03.41	0.40
			Sg	11:07.39	0.21
PKS6	47.9	139	Pg	13:11:06.53	0.19
			Sg	11:12.96	-0.14
PKS2	48.5	175	Pg	13:11:06.69	0.24
			Sg	11:13.94	0.64
PKB5	48.9	221	PgD	13:11:06.81	0.29
			Sg	11:13.13	-0.29
PKSN	54.3	93	Pg	13:11:07.11	-0.36
			Sg	11:14.70	-0.42
PKB3	55.9	177	Pg	13:11:08.21	0.45
BUD	62.8	351	Sg	13:11:17.42	-0.37
PKB4	63.8	221	Pg	13:11:09.39	0.24
PKS9	76.9	241	Pg	13:11:11.92	0.44
PKSG	77.8	312	Pg	13:11:11.86	0.23
			Sg	11:22.06	-0.46
CSKK	83.5	306	Sg	13:11:23.77	-0.57
MORH	88.2	206	PgD	13:11:12.87	-0.62
			Sg	11:24.21	-1.61
PKSM	88.7	206	PgD	13:11:12.91	-0.66
			Sg	11:24.50	-1.48
PKST	92.9	293	Pg	13:11:14.30	-0.01
			Sg	11:26.36	-0.94
PENC	96.5	6	Pg	13:11:14.69	-0.28
			Sg	11:27.20	-1.27
SRO	117.4	327	ePn	13:11:19.20	0.91
			eSn	11:34.40	0.03
PSZ	123.6	27	Pn	13:11:18.78	-0.28

## Földrengés paraméterek

## Hypocenter Parameters

Sn 11:33.95 -1.80  
MPLH 125.8 282 Pn 13:11:20.40 1.06  
Sn 11:35.85 -0.39  
A338 135.4 333 Sn 13:11:38.56 0.19  
A336 145.8 355 Pn 13:11:22.92 1.09  
Sn 11:40.49 -0.19  
MODS 214.1 319 ePn 13:11:30.50 0.15  
ABAH 218.5 46 Pn 13:11:34.60 3.70\*  
BZS 239.1 128 Pn 13:11:33.14 -0.33

67.

2020-02-02 time: 13:56:25.33 UTC ML= 1.4  
lat: 47.659N lon: 18.042E h= 11.0 km  
erh= 0.9km erz= 1.2km  
nr= 18 gap= 89 rms=0.34  
Locality: Csém  
Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	26.7	50	Pg	13:56:30.64	0.16
CSKK	36.8	153	Pg	13:56:32.24	0.06
			Sg	56:36.87	-0.65
PKSG	39.6	138	Pg	13:56:32.73	0.06
			Sg	56:38.49	0.09
PKST	44.4	181	Pg	13:56:33.58	0.08
			Sg	56:39.41	-0.47
EGYH	59.8	243	Pg	13:56:36.51	0.32
			Sg	56:44.55	-0.11
MPLH	66.2	215	Pg	13:56:37.66	0.34
			Sg	56:46.21	-0.46
ZST	92.2	310	eSg	13:56:54.10	-0.74
A336	95.9	48	Pg	13:56:42.69	0.13
			Sg	56:54.29	-1.71*
MODS	97.8	324	ePg	13:56:43.20	0.29
			eSg	56:55.40	-1.22
PKB5	129.4	156	Sn	13:57:03.99	-0.08
PKB4	136.1	162	Sn	13:57:05.60	0.06

68.

2020-02-03 time: 12:38:06.72 UTC ML= 0.5  
lat: 47.224N lon: 18.283E h= 0.0 km  
erh= 2.6km erz= 338km  
nr= 6 gap=258 rms=0.20  
Locality: Iszkaszentgyörgy  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.5	354	Pg	12:38:09.78	0.28
			Sg	38:11.37	-0.29
PKST	19.2	282	Pg	12:38:09.98	-0.18
			Sg	38:13.03	0.20
PKSG	20.3	24	Pg	12:38:10.36	0.01
			Sg	38:13.06	-0.12

69.

2020-02-04 time: 7:05:42.27 UTC ML= 0.8  
lat: 47.293N lon: 18.358E h= 0.0 km  
erh= 1.0km erz= 242km  
nr= 7 gap=157 rms=0.17  
Locality: Magyaralmás  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.7	317	Pg	7:05:44.24	0.07
			Sg	05:45.31	-0.35
PKSG	11.2	13	Pg	7:05:44.33	0.06
			Sg	05:45.94	0.10
PKST	24.7	261	Pg	7:05:46.71	0.02
			Sg	05:50.30	0.17
PKSM	122.2	170	Sg	7:06:20.68	-0.42

70.

2020-02-04 time: 8:34:24.24 UTC ML= 2.2  
lat: 46.830N lon: 17.334E h= 0.0 km  
erh= 2.6km erz= 5.8km  
nr= 17 gap=118 rms=1.01  
Locality: Lesencefalú  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	40.9	22	Pg	8:34:31.27	-0.28
			Sg	34:35.78	-1.47
EGYH	65.3	360	Sg	8:34:45.75	0.76
			PKST	71.5	48
PKS9	77.2	110	Sg	34:46.02	-0.94
			Sg	8:34:50.14	1.38
CSKK	92.0	50	Pg	8:34:42.31	1.64
			Sg	34:54.53	1.05
KOGS	93.2	243	Pg	8:34:41.91	1.03
			Sg	34:54.19	0.33
PKSG	101.7	52	Pg	8:34:42.25	-0.14
			Sg	34:56.32	-0.23
PKB5	110.3	104	Sg	8:35:00.09	0.78
MORH	121.5	124	Sg	8:35:00.98	-1.89
PKSM	121.6	124	Sg	8:35:01.11	-1.78
GROS	146.1	254	Pn	8:34:48.97	-0.52
			Sn	35:07.77	-1.42

71.

2020-02-04 time: 9:10:13.02 UTC ML= 1.6  
lat: 48.549N lon: 20.808E h= 0.0 km  
erh= 3.3km erz= 4.2km  
nr= 8 gap=130 rms=0.91  
Locality: Bódvalenke  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.9	253	Pg	9:10:16.70	-0.77
			Sg	10:20.65	-0.29
ABAH	42.5	131	Pg	9:10:20.65	0.04
			Sg	10:27.87	1.34
PSZ	97.6	224	Sg	9:10:45.02	0.99
NIE	103.3	339	Pg	9:10:32.33	0.86
TRPA	136.5	110	Sn	9:10:54.06	-1.77
A336	138.5	255	Sn	9:10:55.05	-1.23

72.

2020-02-05 time: 10:19:26.42 UTC ML= 0.8  
lat: 47.203N lon: 18.286E h= 0.0 km  
erh= 1.6km erz= 206km  
nr= 6 gap=267 rms=0.12  
Locality: Csór  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.8	354	Pg	10:19:29.48	-0.13
			Sg	19:32.23	0.14
PKST	20.0	288	Pg	10:19:30.12	0.13
			Sg	19:32.55	-0.23
PKSG	22.4	21	Pg	10:19:30.44	0.02
			Sg	19:33.56	0.02

73.

2020-02-06 time: 8:34:27.01 UTC ML= 1.7  
lat: 47.353N lon: 18.418E h= 0.0 km  
erh= 3.8km erz= 418km  
nr= 5 gap=276 rms=0.19  
Locality: Gánt  
Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKSG	4.8	334	PgU	8:34:27.93	0.06
			Sg	34:28.27	-0.28
CSKK	12.0	276	Pg	8:34:29.22	0.07
			Sg	34:31.10	0.28
PKST	30.8	250	Sg	8:34:36.52	-0.29

74.

2020-02-06 time: 8:35:43.62 UTC ML= 1.6  
 lat: 47.326N lon: 18.407E h= 0.0 km  
 erh= 2.4km erz= 673km  
 nr= 9 gap=180 rms=0.51  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.5	351	PgU	8:35:44.71	-0.24
			Sg	35:45.14	-0.85
CSKK	11.8	291	Pg	8:35:46.04	0.31
			Sg	35:47.85	0.48
PKST	29.1	255	Pg	8:35:48.98	0.16
			Sg	35:52.08	-0.80
PKB4	93.4	171	Pg	8:36:01.02	0.72
MORH	124.7	172	Sg	8:36:22.97	-0.28
PKSM	125.1	172	Sg	8:36:22.73	-0.65

75.

2020-02-06 time: 12:42:58.30 UTC ML= 1.8  
 lat: 48.379N lon: 19.849E h= 0.0 km  
 erh= 2.0km erz= 670km  
 nr= 11 gap=121 rms=0.57  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.5	76	Pg	12:43:07.22	0.25
			Sg	43:13.83	0.10
PSZ	51.3	176	Pg	12:43:07.32	-0.14
			Sg	43:13.79	-0.81
A336	65.1	256	Pg	12:43:11.04	1.12
			Sg	43:18.47	-0.52
PENC	77.8	213	Sg	12:43:22.79	-0.26
ABAH	103.5	95	Pg	12:43:16.63	-0.16
			Sg	43:30.88	-0.32
NIE	120.6	16	Pg	12:43:20.04	0.20
			Sg	43:34.39	-2.24

76.

2020-02-07 time: 10:02:58.27 UTC ML= 1.6  
 lat: 48.566N lon: 20.810E h= 0.0 km  
 erh= 1.8km erz= 4.5km  
 nr= 9 gap=154 rms=0.47  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.7	249	Pg	10:03:02.74	-0.11
			Sg	03:05.49	-0.93
ABAH	43.8	133	Pg	10:03:06.25	0.17
			Sg	03:11.95	-0.23
PSZ	99.1	223	Pg	10:03:16.84	0.88
			Sg	03:29.66	-0.09
NIE	101.5	339	Pg	10:03:16.69	0.29
			Sg	03:30.33	-0.21
A336	139.1	255	Pn	10:03:22.08	-0.57

77.

2020-02-07 time: 15:54:15.59 UTC ML= 2.0  
 lat: 46.017N lon: 16.031E h= 13.0 km  
 erh= 2.7km erz= 2.1km  
 nr= 30 gap=168 rms=0.94  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	14.2	203	Pg	15:54:17.65	-1.38
			Sg	54:19.75	-1.96
ZAG	21.1	188	Pg	15:54:21.64	1.62
			Sg	54:22.53	-0.94
GOLS	31.5	269	iPg	15:54:21.64	-0.03
			iSg	54:27.31	0.90
GCIS	35.4	242	iPg	15:54:22.04	-0.29
			iSg	54:27.49	-0.10
CESS	44.2	264	iPg	15:54:24.09	0.27
			iSg	54:30.53	0.29
DOBS	45.8	289	iSg	15:54:30.86	0.12
			Pg	15:54:24.46	-0.24
CRES	49.3	244	Pg	15:54:24.46	-0.24
			Sg	54:31.31	-0.50
KOGS	50.8	19	Pg	15:54:25.71	0.76
			Sg	54:30.61	-1.65
LEGS	55.8	262	iPg	15:54:25.72	-0.10
			iSg	54:34.87	1.08
GROS	64.0	320	Pg	15:54:27.99	0.74
			Sg	54:35.06	-1.29
PDKS	80.1	273	iPg	15:54:29.80	-0.28
ZAVS	90.4	301	iS*	15:54:43.34	-1.24
VISS	95.4	256	iP*	15:54:31.92	-0.73
PERS	98.4	314	P*	15:54:34.01	0.92
			S*	54:44.69	-2.05
SOKA	106.3	314	Pn	15:54:34.17	-0.05
			Sn	54:46.84	-1.91
OBKA	126.7	296	Pn	15:54:37.72	0.96
			Sn	54:53.17	-0.10
CRNS	137.1	273	iPn	15:54:39.41	1.34
ARSA	142.5	344	Sn	15:54:58.72	1.93

78.

2020-02-07 time: 22:28:54.15 UTC ML= 2.1  
 lat: 46.022N lon: 16.047E h= 5.0 km  
 erh= 1.2km erz= 1.5km  
 nr= 46 gap= 53 rms=0.69  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	15.3	207	Pg	22:28:56.66	-0.36
			Sg	28:58.65	-0.60
ZAG	21.9	191	Pg	22:28:58.16	0.00
			Sg	29:01.48	0.19
GOLS	32.8	268	iPgC	22:29:00.49	0.42
			iSg	29:06.17	1.49
GCIS	36.9	242	iPgC	22:29:00.90	0.11
			iSg	29:06.16	0.19
CESS	45.6	263	iPg	22:29:02.80	0.46
			iSg	29:09.64	0.92
DOBS	46.9	288	iPg	22:29:02.98	0.41
			iSg	29:10.23	1.09
KOGS	49.8	18	Pg	22:29:03.36	0.27
			Sg	29:09.36	-0.71
CRES	50.7	245	Pg	22:29:03.31	0.06
			Sg	29:10.16	-0.19
LEGS	57.1	262	iPg	22:29:04.64	0.25
			iSg	29:13.06	0.69
GROS	64.4	319	Pg	22:29:05.99	0.31
			Sg	29:13.91	-0.76
BEHE	75.0	48	Pg	22:29:07.51	-0.06
			Sg	29:16.97	-1.08
PDKS	81.4	273	iPg	22:29:08.68	-0.02
			iSg	29:19.58	-0.47

## Földrengés paraméterek

BOJS	84.5	227	iPg	22:29:08.65	-0.62
			iSg	29:19.91	-1.15
ZAVS	91.2	300	iSg	22:29:22.18	-1.00
VISS	96.8	255	iPg	22:29:10.81	-0.65
PERS	98.9	314	Pg	22:29:13.36	1.53
			Sg	29:23.81	-1.82
VNDS	104.5	275	iPg	22:29:12.37	-0.46
			iSg	29:25.90	-1.51
SOKA	106.8	313	Sg	22:29:26.14	-2.00
MOZS	127.5	284	iPn	22:29:16.13	-0.31
OBKA	127.6	295	Pn	22:29:16.56	0.11
			Sn	29:33.36	-0.49
CRNS	138.4	273	iPn	22:29:18.02	0.22
			eSn	29:37.20	0.95
ARSA	142.3	344	Pn	22:29:18.30	0.02
			Sn	29:34.22	-2.89*
SKDS	166.7	251	iPn	22:29:22.00	0.67
BLY	167.2	148	Pn	22:29:22.23	0.84
			Sn	29:42.46	-0.19
PKSV	171.6	95	Sn	22:29:42.86	-0.76
SOP	188.7	12	Sn	22:29:47.89	0.48
PKSM	201.6	84	Sn	22:29:51.25	0.97

79.

2020-02-08 time: 10:48:32.12 UTC ML= 1.4  
 lat: 48.535N lon: 20.793E h= 0.0 km  
 erh= 4.8km erz= 571km  
 nr= 6 gap=233 rms=0.34  
 Locality: Bódvalenke  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.4	256	Pg	10:48:36.14	-0.16
			Sg	48:39.70	0.14
ABAH	42.4	129	Pg	10:48:39.63	-0.06
			Sg	48:45.57	-0.03
PSZ	95.7	224	Pg	10:48:49.67	0.47
			Sg	49:01.64	-0.89

80.

2020-02-08 time: 20:42:25.34 UTC ML= 2.3  
 lat: 48.520N lon: 17.244E h= 4.3 km  
 erh= 1.1km erz= 1.0km  
 nr= 47 gap= 63 rms=0.63  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SMOL	13.7	93	PgU	20:42:27.92	0.02
			Sg	42:29.98	0.08
MODS	16.5	171	ePg	20:42:28.50	0.12
			eSg	42:31.00	0.25
ZST	37.5	196	PgD	20:42:31.87	-0.22
			Sg	42:36.58	-0.77
A337	50.8	127	Pg	20:42:34.94	0.50
			Sg	42:40.20	-1.34
A339	82.7	158	Pg	20:42:40.93	0.80
KRUC	86.7	314	Pg	20:42:40.97	0.13
A338	99.6	124	Pg	20:42:42.87	-0.28
			Sg	42:56.14	-0.90
VRAC	99.8	331	Pg	20:42:43.19	0.01
			Sg	42:55.82	-1.27
SOP	106.1	209	Pg	20:42:44.96	0.65
SRO	111.8	135	Pg	20:42:45.00	-0.33
RONA	115.3	218	Pg	20:42:45.86	-0.09
			Sg	43:00.62	-1.41
CONA	122.0	237	Pn	20:42:46.60	-0.44
			Sn	43:02.75	-1.21
EGYH	122.8	177	Pn	20:42:47.29	0.15
			Sn	43:01.43	-2.72*
A336	133.9	104	Pn	20:42:48.04	-0.49
MORC	141.4	9	Pn	20:42:49.57	0.10
			Sn	43:07.36	-0.92

74

## Hypocenter Parameters

CSKK	149.4	149	Pn	20:42:50.12	-0.34
			Sn	43:09.57	-0.48
MPLH	151.7	172	Pn	20:42:51.33	0.58
			Sn	43:10.01	-0.56
PKSG	151.9	146	Pn	20:42:51.42	0.65
			Sn	43:09.89	-0.72
PKST	152.2	157	Pn	20:42:51.59	0.78
			Sn	43:10.30	-0.37
LANS	177.7	67	Pn	20:42:55.34	1.35
ARSA	191.0	222	Pn	20:42:56.56	0.91
			Sn	43:19.93	0.64
MOA	233.7	251	Pn	20:43:01.73	0.77
			Sn	43:28.53	-0.22
NIE	246.0	66	Pn	20:43:03.72	1.22
			Sn	43:32.34	0.86
PERS	263.6	217	Pn	20:43:06.09	1.39
SOKA	263.8	219	Pn	20:43:04.44	-0.29
GROS	263.9	210	Pn	20:43:05.55	0.81
MORH	277.2	158	Pn	20:43:06.03	-0.36
PKSM	277.5	158	Pn	20:43:06.10	-0.33
BIOA	283.9	251	Pn	20:43:07.82	0.59
			Sn	43:40.53	0.63
OBKA	302.0	222	Pn	20:43:09.18	-0.31*
			Sn	43:44.31	0.39*
KBA	333.2	241	Pn	20:43:13.03	-0.35*
			Sn	43:52.47	1.62*

81.

2020-02-10 time: 9:31:01.27 UTC ML= 1.0  
 lat: 47.189N lon: 18.327E h= 0.0 km  
 erh= 2.2km erz= 4.1km  
 nr= 8 gap=122 rms=0.48  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.0	345	Pg	9:31:04.79	-0.05
			Sg	31:06.88	-0.74
PKSG	23.0	12	Pg	9:31:06.07	0.69
			Sg	31:08.61	0.02
PKST	23.5	289	Pg	9:31:05.81	0.34
			Sg	31:08.36	-0.38
PKSM	111.3	168	Sg	9:31:36.35	-0.29
PSZ	143.1	56	Sn	9:31:44.69	-0.86

82.

2020-02-11 time: 7:59:37.53 UTC ML= 1.5  
 lat: 47.277N lon: 18.361E h= 0.0 km  
 erh= 1.7km erz= 230km  
 nr= 6 gap=255 rms=0.14  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.2	321	Pg	7:59:39.69	-0.02
			Sg	59:41.04	-0.37
PKSG	12.9	10	Pg	7:59:39.88	0.05
			Sg	59:41.78	0.15
PKST	24.8	265	Pg	7:59:41.88	-0.08
			Sg	59:45.64	0.22

83.

2020-02-11 time: 9:12:23.34 UTC ML= 1.8  
 lat: 48.590N lon: 20.735E h= 0.0 km  
 erh= 3.5km erz= 645km  
 nr= 5 gap=187 rms=0.29  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.9	237	Pg	9:12:27.43	0.18
			Sg	12:30.14	-0.16

**Hypocenter Parameters**

**Földrengés paraméterek**

ABAH 49.6 131 Pg 9:12:32.47 0.27  
 Sg 12:38.37 -0.74  
 LANS 111.9 304 Pg 9:12:43.21 -0.12

87.

2020-02-13 time: 10:33:54.11 UTC ML= 1.7  
 lat: 48.580N lon: 20.743E h= 0.0 km  
 erh= 1.7km erz= 3.7km  
 nr= 11 gap=109 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

84.

2020-02-11 time: 10:25:34.75 UTC ML= 2.5  
 lat: 46.007N lon: 16.071E h= 4.8 km  
 erh= 1.7km erz= 2.7km  
 nr= 23 gap=132 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	21.9	240	Pg	10:33:58.00	-0.02
			Sg	34:00.26	-0.81
ABAH	48.5	131	Pg	10:34:02.53	-0.24
			Sg	34:09.66	0.14
PSZ	96.9	221	Pg	10:34:11.86	0.44
			Sg	34:25.31	0.39
NIE	98.4	341	Pg	10:34:12.61	0.92
			Sg	34:25.13	-0.27
STHS	100.0	21	ePg	10:34:11.30	-0.66
LANS	113.0	304	ePg	10:34:14.20	-0.10
			eSg	34:26.80	-3.24*
A336	134.8	253	Sn	10:34:36.04	-0.51

sta	dist	azm	phase	hr mn sec	res
PTJ	14.7	216	Pg	10:25:37.16	-0.36
			Sg	25:39.16	-0.52
ZAG	20.6	197	Pg	10:25:38.59	0.06
			Sg	25:42.20	0.72
GOLS	34.6	271	iPgC	10:25:41.01	0.03
			eSg	25:46.35	0.51
GCIS	37.7	246	iPg	10:25:41.44	-0.10
			eSg	25:47.24	0.41
CESS	47.2	266	iPg	10:25:43.37	0.15
			eSg	25:49.62	-0.22
DOBS	49.2	289	iPg	10:25:43.73	0.16
			eSg	25:50.33	-0.12
KOGS	51.0	16	Pg	10:25:44.71	0.82
			Sg	25:50.00	-1.03
CRES	51.7	247	Pg	10:25:43.76	-0.26
LEGS	58.7	264	iPg	10:25:45.11	-0.16
			eSg	25:53.66	0.19
GROS	66.9	319	Pg	10:25:46.41	-0.32
			Sg	25:54.41	-1.66
PERS	101.4	314	Pg	10:25:53.61	0.73
			Sg	26:04.24	-2.79*
ARSA	144.5	343	Pn	10:25:59.92	0.74
BLY	164.8	148	Sn	10:26:21.42	-1.31
PENC	314.9	51	Pn	10:26:19.96	-0.47*

88.

2020-02-13 time: 11:28:53.67 UTC ML= 0.6  
 lat: 47.207N lon: 18.273E h= 0.0 km  
 erh= 0.8km erz= 4.3km  
 nr= 8 gap=122 rms=0.21  
 Locality: Csór  
 Comments: probably explosion

85.

2020-02-12 time: 9:54:40.30 UTC ML= 1.5  
 lat: 47.096N lon: 18.056E h= 0.0 km  
 erh= 1.2km erz= 377km  
 nr= 8 gap=118 rms=0.27  
 Locality: Vilyonya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.4	357	Pg	11:28:56.77	-0.01
			Sg	28:58.83	-0.38
PKST	19.0	288	Pg	11:28:57.00	-0.06
			Sg	28:59.85	0.15
PKSG	22.4	23	Pg	11:28:57.69	0.01
			Sg	29:01.10	0.30
PKSM	114.1	166	Sg	11:29:30.13	0.18
PSZ	145.4	57	Sn	11:29:36.90	-1.57

sta	dist	azm	phase	hr mn sec	res
PKST	18.2	355	Pg	9:54:43.08	-0.47
			Sg	54:46.13	0.04
TIH	25.0	210	Pg	9:54:44.81	0.04
CSKK	33.5	28	Sg	9:54:51.33	0.37
MPLH	40.0	282	Pg	9:54:47.76	0.32
			Sg	54:52.85	-0.16
PKSG	41.6	38	Sg	9:54:53.51	0.00
PKSM	108.0	155	Sg	9:55:14.53	-0.11

89.

2020-02-14 time: 10:09:02.74 UTC ML= 1.7  
 lat: 48.599N lon: 20.760E h= 0.0 km  
 erh= 1.5km erz= 2.7km  
 nr= 14 gap= 87 rms=0.54  
 Locality: Slovakia  
 Comments: probably explosion

86.

2020-02-12 time: 10:38:04.84 UTC ML= 0.5  
 lat: 47.181N lon: 18.291E h= 0.0 km  
 erh= 1.5km erz= 4.1km  
 nr= 7 gap=128 rms=0.47  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.0	238	Pg	10:09:07.29	0.27
			Sg	09:09.79	-0.58
ABAH	48.9	134	Pg	10:09:11.27	-0.20
			Sg	09:18.37	0.09
STHS	97.6	21	ePg	10:09:20.40	0.24
			eSg	09:33.70	-0.06
PSZ	99.3	220	Pg	10:09:20.84	0.37
			Sg	09:33.87	-0.42
LANS	112.9	303	Pg	10:09:23.07	0.17
			Sg	09:37.79	-0.84
KOLS	117.3	72	ePg	10:09:25.00	1.32
			eSg	09:39.00	-1.02
A336	136.6	253	Sn	10:09:45.50	-0.07
TRPA	141.8	112	Sn	10:09:45.26	-1.46

sta	dist	azm	phase	hr mn sec	res
CSKK	20.4	353	Sg	10:38:11.08	-0.24
PKST	21.3	294	Pg	10:38:08.90	0.25
			Sg	38:10.88	-0.73
PKSG	24.6	18	Pg	10:38:09.61	0.37
			Sg	38:12.81	0.14
PKSM	111.0	166	Sg	10:38:40.19	0.06
PSZ	145.9	56	Sn	10:38:48.03	-1.72



## Földrengés paraméterek

## Hypocenter Parameters

90.

2020-02-15 time: 9:42:53.60 UTC ML= 0.6  
 lat: 46.159N lon: 18.315E h= 0.0 km  
 erh= 1.0km erz= 268km  
 nr= 8 gap=167 rms=0.19  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	25.9	77	Pg	9:42:58.17	-0.05
			Sg	43:01.98	0.15
MORH	26.2	76	Pg	9:42:58.32	0.04
			Sg	43:01.98	0.05
PKSV	30.4	189	Pg	9:42:58.88	-0.15
			Sg	43:03.56	0.30
PKB4	43.7	31	Sg	9:43:06.62	-0.86
PKS9	47.7	357	Sg	9:43:08.86	0.09

91.

2020-02-15 time: 9:54:28.48 UTC ML= 1.8  
 lat: 48.568N lon: 20.816E h= 0.0 km  
 erh= 2.0km erz= 2.7km  
 nr= 15 gap= 89 rms=0.95  
 Locality: Hidvégardó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.2	249	Pg	9:54:33.15	-0.01
			Sg	54:37.15	0.34
ABAH	43.5	134	Pg	9:54:36.38	0.13
			Sg	54:42.51	0.19
STHS	99.4	18	ePg	9:54:46.70	0.47
			eSg	54:57.30	-2.77
PSZ	99.6	223	Pg	9:54:47.20	0.95
			Sg	54:59.92	-0.20
NIE	101.5	339	Pg	9:54:48.88	2.27
			Sg	55:00.00	-0.75
KOLS	114.6	69	eSg	9:55:04.30	-0.59
TRPA	136.7	111	Sn	9:55:09.90	-1.43
A336	139.6	255	Pn	9:54:52.34	-0.58
			Sn	55:10.66	-1.33
OJC	198.0	338	Sn	9:55:24.14	-0.80

92.

2020-02-16 time: 12:07:49.11 UTC ML= 2.2  
 lat: 48.449N lon: 22.350E h= 5.7 km  
 erh= 5.9km erz= 4.6km  
 nr= 14 gap=195 rms=1.12  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	38.1	158	Pg	12:07:56.23	0.24
			Sg	08:01.35	0.00
ABAH	84.0	258	Pg	12:08:04.17	0.02
			Sg	08:16.41	0.52
KJX	134.0	272	Pn	12:08:10.31	-1.82
STHS	134.8	323	Pn	12:08:13.84	1.62
			Sn	08:29.21	-1.04
KECS	138.0	272	ePn	12:08:10.80	-1.82
			eSn	08:29.60	-1.36
NIE	184.2	306	Pn	12:08:19.49	1.11
			Sn	08:42.34	1.13
DRGR	186.2	172	Pn	12:08:18.02	-0.62
			Sn	08:42.55	0.88
PSZ	191.9	252	Sn	12:08:44.78	1.85

93.

2020-02-17 time: 9:31:02.59 UTC ML= 1.3  
 lat: 47.814N lon: 19.833E h= 0.0 km  
 erh= 2.6km erz= 516km  
 nr= 7 gap=213 rms=0.34  
 Locality: Gyöngyöstarján  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	12.5	22	Pg	9:31:04.67	-0.14
			Sg	31:06.40	-0.14
A336	77.7	307	Sg	9:31:27.47	0.19
KECS	88.8	33	ePg	9:31:18.90	0.45
			eSg	31:29.70	-1.12
PKSG	118.2	247	Sg	9:31:40.35	0.20
CSKK	128.5	247	Sg	9:31:42.94	-0.48

94.

2020-02-17 time: 9:37:02.01 UTC ML= 1.9  
 lat: 48.564N lon: 20.783E h= 0.0 km  
 erh= 3.3km erz= \*\*\*km  
 nr= 9 gap=112 rms=0.86  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.7	248	Pg	9:37:06.23	-0.01
			Sg	37:09.75	0.20
ABAH	45.1	131	Pg	9:37:10.31	0.25
			Sg	37:16.77	0.44
PSZ	97.5	223	Sg	9:37:32.75	-0.25
STHS	100.6	20	ePg	9:37:19.20	-0.78
NIE	101.1	340	Pg	9:37:21.81	1.75
			Sg	37:32.75	-1.39
LANS	116.5	304	ePg	9:37:21.90	-0.91

95.

2020-02-17 time: 10:18:40.96 UTC ML= 0.6  
 lat: 47.203N lon: 18.286E h= 0.0 km  
 erh= 2.1km erz= 235km  
 nr= 6 gap=267 rms=0.14  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.9	354	Pg	10:18:44.18	0.03
			Sg	18:46.09	-0.55
PKST	20.0	288	Pg	10:18:44.49	-0.05
			Sg	18:47.44	0.11
PKSG	22.4	21	Pg	10:18:44.95	-0.01
			Sg	18:48.25	0.17

96.

2020-02-17 time: 10:29:34.22 UTC ML= 1.4  
 lat: 47.533N lon: 18.503E h= 0.0 km  
 erh= 2.6km erz= 890km  
 nr= 11 gap=101 rms=0.72  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ID55	14.8	322	Pg	10:29:36.51	-0.36
PKSG	17.8	208	Pg	10:29:37.76	0.36
			Sg	29:40.31	0.42
CSKK	26.3	224	Sg	10:29:42.70	0.13
SRO	34.3	335	eSg	10:29:46.30	1.19
PKST	46.7	229	Pg	10:29:43.07	0.51
			Sg	29:47.15	-1.91
ID66	52.0	48	Pg	10:29:43.09	-0.42
PKB1	86.1	165	Sg	10:30:01.94	0.36

## Hypocenter Parameters

PKB2 110.7 150 Sg 10:30:09.67 0.25  
 PKB4 115.5 176 Sg 10:30:09.26 -1.68

97.

2020-02-18 time: 10:36:50.01 UTC ML= 1.9  
 lat: 48.136N lon: 21.472E h= 0.0 km  
 erh= 6.8km erz=10.0km  
 nr= 7 gap=168 rms=0.81  
 Locality: Rakamaz  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	24.8	316	Pg	10:36:55.41	0.96
			Sg	36:56.60	-1.31
TRPA	79.4	90	Sg	10:37:15.09	-0.17
KECS	82.8	298	Pg	10:37:05.35	0.56
			Sg	37:15.17	-1.15
PSZ	120.1	258	Sg	10:37:27.34	-0.86
NIE	166.2	329	Pn	10:37:17.92	0.15

98.

2020-02-18 time: 10:44:16.58 UTC ML= 0.8  
 lat: 47.188N lon: 18.304E h= 0.0 km  
 erh= 2.1km erz= 272km  
 nr= 6 gap=275 rms=0.16  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.8	350	Pg	10:44:19.84	-0.27
			Sg	44:22.98	0.11
PKST	21.9	291	Pg	10:44:20.59	0.10
			Sg	44:23.44	-0.10
PKSG	23.6	16	Pg	10:44:20.95	0.16
			Sg	44:24.05	-0.03

99.

2020-02-18 time: 10:55:55.05 UTC ML= 1.6  
 lat: 48.594N lon: 20.750E h= 0.0 km  
 erh= 1.2km erz= 260km  
 nr= 7 gap=189 rms=0.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.1	238	Pg	10:55:59.40	0.23
			Sg	56:02.30	-0.09
ABAH	49.0	132	Pg	10:56:03.75	-0.06
			Sg	56:10.59	-0.04
PSZ	98.4	220	Pg	10:56:12.58	-0.04
LANS	112.7	303	Pg	10:56:15.20	0.03
			Sg	56:29.86	-1.00

100.

2020-02-19 time: 8:15:20.79 UTC ML= 1.2  
 lat: 47.323N lon: 17.634E h= 0.0 km  
 erh= 4.8km erz= 566km  
 nr= 7 gap=240 rms=0.37  
 Locality: Ugod  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	18.4	203	Pg	8:15:24.12	0.03
			Sg	15:26.34	-0.31
PKST	31.1	103	Pg	8:15:26.81	0.46
			Sg	15:30.53	-0.15
CSKK	47.6	85	Sg	8:15:36.39	0.48
PKSG	57.7	82	Pg	8:15:30.94	-0.15
			Sg	15:38.27	-0.86

## Földrengés paraméterek

101.

2020-02-19 time: 9:20:01.66 UTC ML= 0.9  
 lat: 47.080N lon: 17.955E h= 0.0 km  
 erh= 2.3km erz= 690km  
 nr= 7 gap=136 rms=0.46  
 Locality: Veszprém  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.8	17	Pg	9:20:04.93	-0.45
			Sg	20:07.81	-0.46
MPLH	33.1	288	Sg	9:20:12.48	0.29
CSKK	39.1	36	Pg	9:20:09.40	0.76
			Sg	20:14.06	-0.02
MORH	109.6	151	Sg	9:20:36.22	-0.27
PKSM	109.8	151	Sg	9:20:36.52	-0.06

102.

2020-02-20 time: 8:40:34.02 UTC ML= 1.4  
 lat: 48.032N lon: 20.342E h= 3.7 km  
 erh= 1.6km erz= 7.1km  
 nr= 10 gap=183 rms=0.28  
 Locality: Mónosbél  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ID58	16.9	54	Pg	8:40:36.89	-0.22
			Sg	40:39.82	0.30
PSZ	35.7	249	Pg	8:40:40.48	0.05
			Sg	40:45.36	-0.07
KECS	51.3	12	Pg	8:40:43.48	0.28
			Sg	40:50.13	-0.23
KJX	53.6	16	Pg	8:40:43.60	-0.01
			Sg	40:50.57	-0.53
ABAH	72.9	66	Pg	8:40:47.29	0.23
			Sg	40:54.51	-2.72*

103.

2020-02-20 time: 9:06:29.56 UTC ML= 1.9  
 lat: 46.818N lon: 17.302E h= 0.0 km  
 erh= 3.6km erz= \*\*\*km  
 nr= 13 gap=142 rms=1.09  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	43.1	25	Pg	9:06:37.32	0.06
			Sg	06:43.07	-0.19
PKST	74.2	49	Pg	9:06:43.84	1.04
			Sg	06:52.29	-0.85
KOGS	90.4	243	Pg	9:06:45.77	0.06
			Sg	06:56.63	-1.67
PKSG	104.4	52	Pg	9:06:49.12	0.92
			Sg	07:00.46	-2.28
PKB5	112.4	103	Sg	9:07:03.31	-1.98
MORH	122.8	123	Pg	9:06:52.33	0.84
			Sg	07:06.39	-2.21
PKSM	122.9	123	Pg	9:06:52.53	1.02
			Sg	07:08.92	0.30

104.

2020-02-20 time: 9:43:32.17 UTC ML= 1.9  
 lat: 48.546N lon: 19.338E h= 0.0 km  
 erh= 1.7km erz= 4.2km  
 nr= 8 gap=152 rms=0.40  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
A336	42.9	216	Pg	9:43:39.98	0.15

## Földrengés paraméterek

## Hypocenter Parameters

			Sg	43:45.36	-0.45
LANS	67.9	8	Pg	9:43:44.86	0.57
			Sg	43:52.86	-0.88
PSZ	81.2	149	Sg	9:43:57.86	-0.11
KECS	85.1	95	Pg	9:43:47.22	-0.15
			Sg	43:58.86	-0.36
ABAH	143.5	101	Pn	9:43:57.42	0.32

105.

2020-02-20 time: 10:18:15.23 UTC ML= 1.9  
 lat: 48.444N lon: 19.550E h= 0.0 km  
 erh= 1.1km erz= 3.4km  
 nr= 9 gap= 95 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
A336	47.1	240	Pg	10:18:23.69	0.04
			Sg	18:29.42	-0.79
PSZ	63.8	156	Pg	10:18:26.81	0.18
			Sg	18:35.14	-0.38
KECS	69.3	86	Pg	10:18:27.51	-0.10
			Sg	18:37.15	-0.12
LANS	78.8	356	Sg	10:18:39.63	-0.64
NIE	122.0	27	Sg	10:18:54.25	0.25
A337	132.4	260	Pn	10:18:39.88	1.11

106.

2020-02-20 time: 10:53:27.61 UTC ML= 1.6  
 lat: 47.317N lon: 18.430E h= 0.0 km  
 erh= 1.5km erz= 5.0km  
 nr= 12 gap=114 rms=0.53  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.8	341	PgU	10:53:28.95	-0.23
			Sg	53:29.48	-0.92
CSKK	13.7	292	Pg	10:53:30.38	0.32
			Sg	53:32.09	0.11
PKST	30.6	258	Pg	10:53:33.54	0.47
			Sg	53:36.76	-0.57
MPLH	69.3	256	Sg	10:53:48.81	-0.84
MORH	123.5	172	Sg	10:54:06.83	-0.05
PKSM	124.0	172	Sg	10:54:06.83	-0.18
PSZ	128.8	59	Pg	10:53:51.12	0.51
			Sg	54:07.84	-0.71
MODS	145.7	324	ePn	10:53:53.70	0.89
			eSn	54:08.70	-3.77*

107.

2020-02-20 time: 11:09:09.99 UTC ML= 1.6  
 lat: 48.587N lon: 20.759E h= 0.0 km  
 erh= 2.5km erz= 4.8km  
 nr= 8 gap=189 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.3	240	Pg	11:09:14.26	0.12
			Sg	09:16.69	-0.69
ABAH	48.0	132	Pg	11:09:18.58	0.02
			Sg	09:24.76	-0.49
PSZ	98.2	221	Pg	11:09:28.02	0.49
			Sg	09:40.62	-0.59
LANS	113.6	303	Pg	11:09:29.78	-0.50
A336	136.1	253	Pn	11:09:35.00	1.00

108.

2020-02-20 time: 12:37:01.78 UTC ML= 1.8  
 lat: 48.528N lon: 21.699E h= 0.0 km  
 erh= 7.2km erz= 6.9km  
 nr= 5 gap=326 rms=0.30  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	42.7	233	Pg	12:37:09.74	0.34
			Sg	37:14.95	-0.39
KECS	89.8	267	Pg	12:37:17.49	-0.32
			Sg	37:30.60	0.28
PSZ	150.2	243	Pn	12:37:27.58	0.04

109.

2020-02-21 time: 2:39:46.80 UTC ML= 2.1  
 lat: 48.189N lon: 22.839E h= 17.0 km  
 erh= 6.2km erz= 2.1km  
 nr= 9 gap=262 rms=0.60  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	23.3	254	Pg	2:39:51.36	-0.58
			Sg	39:55.78	-0.18
ID53	72.7	251	P*	2:40:00.25	0.24
			S*	40:11.47	1.15
ABAH	119.4	276	Pn	2:40:06.39	-0.16
			Sn	40:21.31	-0.65
DRGR	155.7	184	Pn	2:40:11.71	0.64
			Sn	40:28.40	-1.60
KJX	173.9	281	Pn	2:40:13.73	0.39

110.

2020-02-21 time: 9:40:23.75 UTC ML= 1.7  
 lat: 48.590N lon: 20.709E h= 0.0 km  
 erh= 3.4km erz= \*\*\*km  
 nr= 10 gap=107 rms=0.92  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.3	234	Pg	9:40:27.32	-0.06
			Sg	40:30.48	0.27
ABAH	51.1	130	Pg	9:40:33.27	0.39
			Sg	40:39.68	-0.32
PSZ	96.1	219	Pg	9:40:41.29	0.38
			Sg	40:53.83	-0.47
NIE	96.6	343	Pg	9:40:42.69	1.69
			Sg	40:53.17	-1.28
STHS	99.9	23	eSg	9:40:52.80	-2.71
LANS	110.3	304	Pg	9:40:42.79	-0.66

111.

2020-02-21 time: 13:48:15.41 UTC ML= 2.0  
 lat: 46.015N lon: 16.094E h= 12.1 km  
 erh= 1.4km erz= 1.3km  
 nr= 25 gap=187 rms=0.42  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	16.6	220	PgU	13:48:18.66	-0.41
			Sg	48:20.72	-1.20
ZAG	22.1	201	Pg	13:48:20.32	0.42
			Sg	48:23.44	0.04
GOLS	36.4	269	iPg	13:48:22.63	0.38
			iSg	48:27.94	0.35
GCIS	39.7	246	iPg	13:48:23.00	0.18

## Hypocenter Parameters

		iSg	48:28.44	-0.17	
CESS	49.1	265	iPg	13:48:24.95	0.51
		eSg	48:31.17	-0.31	
KOGS	49.7	14	Pg	13:48:24.11	-0.42
		Sg	48:31.65	0.00	
DOBS	50.6	287	iSg	13:48:31.92	-0.03
CRES	53.7	247	Pg	13:48:25.36	0.12
		Sg	48:32.06	-0.84	
LEGS	60.6	263	iPg	13:48:26.83	0.39
		eSg	48:35.01	-0.04	
PKKS	85.0	273	iPg	13:48:31.03	0.29
		eSg	48:42.26	-0.44	
BOJS	86.7	229	iPg	13:48:30.59	-0.44
		eSg	48:42.34	-0.88	
VISS	100.2	256	eP*	13:48:32.93	-0.33
SOKA	110.1	312	Pn	13:48:34.84	0.22
OBKA	131.2	295	Pn	13:48:38.85	1.60
		Sn	48:53.96	-0.33	

112.

2020-02-22 time: 21:01:51.82 UTC ML= 1.9  
 lat: 47.400N lon: 18.219E h= 10.8 km  
 erh= 1.8km erz= 1.3km  
 nr= 25 gap= 73 rms=0.73  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	5.2	142	PgU	21:01:53.35	-0.61
PKSG	13.0	94	PgD	21:01:54.25	-0.59
			Sg	01:56.35	-0.85
PKST	21.0	222	PgD	21:01:55.74	-0.30
			Sg	01:58.99	-0.34
SRO	46.5	9	Pg	21:02:00.88	0.54
			Sg	02:06.53	-0.46
MPLH	57.4	244	Pg	21:02:02.68	0.43
PBUD	60.3	83	Pg	21:02:03.82	1.05
			Sg	02:10.21	-1.09
A338	69.1	8	Pg	21:02:04.57	0.26
PKS7	81.5	119	Sg	21:02:16.49	-1.45
PKB5	97.8	156	Pg	21:02:10.20	0.81
PKB4	104.7	164	P*	21:02:11.31	0.83
A336	109.5	32	Pn	21:02:11.00	-0.13
ZST	121.7	317	eSn	21:02:27.40	-1.50
MODS	129.1	327	ePn	21:02:13.40	-0.17
			eSn	02:29.20	-1.34
PKB3	131.6	146	Sn	21:02:32.17	1.08
MORH	135.6	166	Pn	21:02:14.88	0.49
			Sn	02:30.94	-1.05
PKS6	135.6	131	Sn	21:02:31.13	-0.86
PKSM	136.0	166	Pn	21:02:14.95	0.52
			Sn	02:31.31	-0.76
KOVH	146.1	184	Sn	21:02:35.60	1.28

113.

2020-02-22 time: 21:16:42.77 UTC ML= 0.5  
 lat: 47.351N lon: 18.279E h= 10.1 km  
 erh= 3.0km erz= 1.1km  
 nr= 5 gap=180 rms=0.05  
 Locality: Csákberény  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.0	315	Pg	21:16:44.67	0.06
			Sg	16:45.97	-0.07
PKSG	9.6	62	Pg	21:16:45.23	-0.03
			Sg	16:47.22	0.02
PKST	21.1	241	Sg	21:16:50.20	-0.01

## Földrengés paraméterek

114.

2020-02-22 time: 21:21:31.34 UTC ML= 0.5  
 lat: 47.439N lon: 18.229E h= 10.0 km  
 erh= 3.5km erz= 3.0km  
 nr= 5 gap=257 rms=0.05  
 Locality: Pusztavám  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.8	164	PgU	21:21:33.78	0.07
			Sg	21:35.51	-0.05
PKSG	13.3	113	PgU	21:21:34.26	-0.04
			Sg	21:36.63	0.01
PKST	24.9	216	Sg	21:21:39.84	-0.01

115.

2020-02-22 time: 21:27:15.14 UTC ML= 0.1  
 lat: 47.428N lon: 18.220E h= 6.2 km  
 erh= 1.9km erz= 2.2km  
 nr= 5 gap=251 rms=0.07  
 Locality: Pusztavám  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.8	157	Pg	21:27:16.82	-0.11
			Sg	27:18.33	0.01
PKSG	13.5	107	Pg	21:27:17.82	0.03
			Sg	27:19.96	0.10
PKST	23.5	217	Sg	21:27:22.91	0.05

116.

2020-02-22 time: 22:12:04.01 UTC ML= 0.8  
 lat: 47.414N lon: 18.221E h= 7.7 km  
 erh= 0.6km erz= 0.2km  
 nr= 7 gap=242 rms=0.04  
 Locality: Pusztavám  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	6.4	152	Pg	22:12:05.86	0.06
			Sg	12:07.21	0.01
PKSG	13.0	101	Pg	22:12:06.72	0.01
			Sg	12:08.73	-0.09
PKST	22.3	219	Pg	22:12:08.22	0.00
			Sg	12:11.45	-0.06
PKSM	137.4	167	Sn	22:12:45.27	0.00

117.

2020-02-24 time: 10:06:18.21 UTC ML= 1.7  
 lat: 48.167N lon: 21.152E h= 0.0 km  
 erh= 4.5km erz= 864km  
 nr= 6 gap=213 rms=0.51  
 Locality: Legyesbénye  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	15.8	24	PgU	10:06:21.24	0.21
			Sg	06:23.13	-0.10
KECS	60.6	305	Pg	10:06:29.57	0.53
			Sg	06:36.50	-0.98
TRPA	103.3	92	Pg	10:06:36.80	0.14
			Sg	06:50.15	-0.91

## Földrengés paraméterek

## Hypocenter Parameters

118.

2020-02-24 time: 10:06:54.82 UTC ML= 1.6  
 lat: 48.214N lon: 21.122E h= 0.0 km  
 erh= 2.8km erz= 438km  
 nr= 5 gap=207 rms=0.20  
 Locality: Monok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	12.6	44	PgU	10:06:57.06	-0.01
			Sg	06:58.87	0.04
KECS	55.8	302	Pg	10:07:05.05	0.26
			Sg	07:12.12	-0.45
TRPA	105.8	95	Pg	10:07:13.63	-0.09

119.

2020-02-24 time: 10:25:01.44 UTC ML= 1.9  
 lat: 48.589N lon: 20.780E h= 0.0 km  
 erh= 1.1km erz= 2.0km  
 nr= 13 gap=114 rms=0.35  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.7	242	Pg	10:25:06.27	0.41
			Sg	25:09.59	0.28
ABAH	47.1	134	Pg	10:25:09.99	0.13
			Sg	25:15.94	-0.48
STHS	98.1	20	ePg	10:25:19.30	0.34
			eSg	25:32.20	-0.42
NIE	98.4	340	Sg	10:25:32.51	-0.20
PSZ	99.5	221	Pg	10:25:19.26	0.06
			Sg	25:32.33	-0.73
LANS	114.7	303	Pg	10:25:21.79	-0.14
			Sg	25:36.78	-1.13
A336	137.7	253	Pn	10:25:25.87	0.23
			Sn	25:44.31	-0.21

120.

2020-02-24 time: 10:43:19.77 UTC ML= 2.5  
 lat: 48.175N lon: 21.185E h= 4.1 km  
 erh= 1.9km erz= 1.9km  
 nr= 20 gap= 80 rms=0.68  
 Locality: Szerencs  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	14.0	17	Pg	10:43:22.94	0.56
			Sg	43:24.60	0.19
KECS	62.2	303	Pg	10:43:30.89	-0.01
			Sg	43:37.98	-1.60
PSZ	100.4	253	Pg	10:43:37.33	-0.39
			Sg	43:50.60	-1.11
TRPA	100.8	93	Pg	10:43:37.69	-0.10
			Sg	43:50.37	-1.48
LTVH	102.9	149	Pg	10:43:38.93	0.76
			Pn	10:43:43.30	-0.21
STHS	138.1	2	Sn	44:00.98	-1.04
			Pn	10:43:45.36	0.57
PENC	148.4	253	Sn	44:04.70	0.39
			Pn	10:43:45.89	0.60
A336	162.7	272	Pn	10:43:47.01	0.44
			Sn	44:07.00	-0.47
LANS	166.7	311	Pn	10:43:48.24	1.17
			Sn	44:07.76	-0.59
DRGR	192.0	143	Pn	10:43:49.66	-0.57
			BZS	286.3	173

121.

2020-02-24 time: 10:57:00.16 UTC ML= 0.9  
 lat: 48.414N lon: 21.360E h= 10.0 km  
 erh= 7.1km erz=11.0km  
 nr= 6 gap=221 rms=0.65  
 Locality: Regéc  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	15.9	214	Pg	10:57:04.09	0.58
			Sg	57:05.81	-0.31
KJX	61.4	279	Pg	10:57:11.73	0.46
			Sg	57:18.32	-1.61
ID53	63.4	139	Sg	10:57:20.08	-0.47
ID51	97.3	190	Sg	10:57:31.08	-0.18

122.

2020-02-24 time: 11:12:28.58 UTC ML= 0.6  
 lat: 47.221N lon: 18.287E h= 0.0 km  
 erh= 0.9km erz= 239km  
 nr= 7 gap=144 rms=0.16  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.0	353	Pg	11:12:31.43	-0.01
			Sg	12:33.87	0.20
PKST	19.6	283	Pg	11:12:31.88	-0.20
			Sg	12:34.98	0.17
PKSG	20.6	22	Pg	11:12:32.16	-0.10
			Sg	12:35.13	0.00
PKSM	115.4	166	Sg	11:13:05.59	0.34

123.

2020-02-24 time: 11:15:22.73 UTC ML= 1.6  
 lat: 48.167N lon: 21.127E h= 0.0 km  
 erh= 3.6km erz= 612km  
 nr= 5 gap=214 rms=0.27  
 Locality: Legyesbénye  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	16.6	30	PgU	11:15:26.10	0.40
			Sg	15:27.72	-0.30
KECS	59.2	307	Pg	11:15:33.41	0.11
			Sg	15:41.19	-0.35
TRPA	105.2	92	Pg	11:15:41.34	-0.17

124.

2020-02-24 time: 11:48:07.67 UTC ML= 1.7  
 lat: 48.236N lon: 21.139E h= 0.0 km  
 erh= 2.6km erz= 764km  
 nr= 9 gap=132 rms=0.59  
 Locality: Golop  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	10.0	48	Pg	11:48:09.71	0.26
			Sg	48:11.14	0.30
KJX	53.0	303	Pg	11:48:16.88	-0.26
			Sg	48:23.94	-0.58
KECS	55.7	300	Pg	11:48:18.07	0.45
			Sg	48:24.92	-0.45
ID51	76.1	180	Sg	11:48:30.30	-1.58
ID59	120.6	252	Pg	11:48:29.16	-0.04
			Sg	48:47.45	1.46

## Hypocenter Parameters

## Földrengés paraméterek

125.

2020-02-25 time: 6:47:41.50 UTC ML= 0.9  
 lat: 47.260N lon: 18.362E h= 0.0 km  
 erh= 2.6km erz= 332km  
 nr= 6 gap=262 rms=0.35  
 Locality: Sárkeresztés  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.8	326	Pg	6:47:43.92	-0.05
			Sg	47:44.87	-1.03
PKSG	14.8	8	Pg	6:47:44.20	0.05
			Sg	47:46.40	0.19
PKST	24.8	270	Pg	6:47:46.30	0.37
			Sg	47:49.05	-0.34

126.

2020-02-25 time: 8:52:20.52 UTC ML= 2.0  
 lat: 48.540N lon: 19.317E h= 0.0 km  
 erh= 2.8km erz= 943km  
 nr= 10 gap=138 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
A336	41.5	215	Pg	8:52:27.78	-0.15
			Sg	52:34.09	0.39
LANS	68.8	9	ePg	8:52:33.50	0.69
			eSg	52:41.90	-0.50
PSZ	81.3	148	Pg	8:52:36.36	1.32
			Sg	52:46.34	-0.03
PENC	83.4	182	Sg	8:52:45.83	-1.19
KECS	86.5	94	Pg	8:52:35.74	-0.24
			Sg	52:46.99	-1.04
A338	92.4	231	Sg	8:52:49.25	-0.64

127.

2020-02-25 time: 9:15:37.02 UTC ML= 1.4  
 lat: 45.880N lon: 18.381E h= 0.0 km  
 erh= 2.3km erz= 365km  
 nr= 8 gap=247 rms=0.26  
 Locality: Kisharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	10.0	275	Pg	9:15:38.69	-0.11
			Sg	15:40.82	0.62
KOVH	31.8	317	Pg	9:15:42.29	-0.40
			Sg	15:47.06	-0.06
PKSM	42.0	29	PgU	9:15:44.66	0.13
			Sg	15:50.63	0.25
MORH	42.5	29	PgU	9:15:44.78	0.17
			Sg	15:50.29	-0.25

128.

2020-02-25 time: 9:25:05.70 UTC ML= 1.4  
 lat: 47.567N lon: 18.446E h= 0.0 km  
 erh= 0.6km erz= 122km  
 nr= 6 gap=128 rms=0.07  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.9	192	Pg	9:25:09.24	-0.01
			Sg	25:12.15	0.13
CSKK	26.6	212	Pg	9:25:10.37	-0.08
			Sg	25:14.15	0.00
SRO	29.2	340	ePg	9:25:11.00	0.08
			eSg	25:19.30	4.32*
PSZ	115.5	70	Sg	9:25:42.33	-0.08

129.

2020-02-25 time: 9:59:20.44 UTC ML= 1.7  
 lat: 48.597N lon: 20.753E h= 0.0 km  
 erh= 2.4km erz= 4.6km  
 nr= 9 gap=129 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.4	237	Pg	9:59:25.05	0.43
			Sg	59:28.24	0.35
ABAH	49.2	133	Pg	9:59:29.61	0.39
			Sg	59:35.00	-1.07
STHS	98.0	22	ePg	9:59:37.80	-0.13
			eSg	59:51.30	-0.28
PSZ	98.8	220	Pg	9:59:38.67	0.59
			Sg	59:50.74	-1.10
A336	136.0	253	Sn	9:60:01.86	-1.28

130.

2020-02-25 time: 11:17:17.59 UTC ML= 0.7  
 lat: 47.243N lon: 18.271E h= 0.0 km  
 erh= 1.7km erz= 533km  
 nr= 8 gap=125 rms=0.38  
 Locality: Iszkkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.4	357	Pg	11:17:19.88	-0.10
			Sg	17:21.87	0.02
PKST	18.0	276	Pg	11:17:21.15	0.35
			Sg	17:22.97	-0.34
PKSG	18.9	29	Pg	11:17:20.71	-0.25
			Sg	17:23.80	0.21
PKB5	80.3	154	Sg	11:17:43.55	0.45
PKSM	118.1	166	Sg	11:17:52.81	-2.31

131.

2020-02-25 time: 11:20:34.80 UTC ML= 1.6  
 lat: 48.519N lon: 20.361E h= 11.3 km  
 erh= 2.5km erz= 2.8km  
 nr= 9 gap=154 rms=0.51  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	10.0	114	PgU	11:20:37.33	-0.17
			Sg	20:38.89	-0.72
ABAH	69.6	111	Pg	11:20:47.90	0.51
			Sg	20:56.59	-0.62
PSZ	75.3	207	Pg	11:20:48.67	0.27
			Sg	20:59.03	0.03
LANS	96.1	317	Pg	11:20:52.75	0.67
			Sg	21:04.72	-0.84
A336	105.8	253	Sn	11:21:07.74	-0.49

132.

2020-02-26 time: 9:04:17.40 UTC ML= 2.0  
 lat: 48.355N lon: 19.004E h= 0.0 km  
 erh= 2.9km erz= 4.1km  
 nr= 11 gap=210 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
A336	13.5	182	Pg	9:04:20.32	0.51
			Sg	04:22.33	0.63
A338	61.4	232	Sg	9:04:36.68	-0.25
PENC	66.1	162	Sg	9:04:38.63	0.24

## Földrengés paraméterek

## Hypocenter Parameters

PSZ 82.1 126 Sg 9:04:43.28 -0.22  
 KECS 110.6 83 ePg 9:04:37.20 0.06  
 eSg 04:51.30 -1.25  
 PKSG 116.5 203 Pg 9:04:38.86 0.66  
 Sg 04:53.85 -0.57  
 CSKK 123.5 207 Sg 9:04:55.30 -1.35  
 PKST 141.8 211 Sn 9:05:00.41 -0.99

133.

2020-02-26 time: 9:27:06.30 UTC ML= 1.6  
 lat: 47.850N lon: 19.105E h= 0.0 km  
 erh= 2.5km erz= 546km  
 nr= 6 gap=171 rms=0.32  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.8	117	Pg	9:27:09.09	0.16
			Sg	27:10.98	-0.01
A336	43.3	349	Pg	9:27:14.40	0.36
			Sg	27:19.97	-0.11
A338	59.2	288	Sg	9:27:24.66	-0.45
PSZ	59.5	83	Sg	9:27:24.66	-0.55

134.

2020-02-26 time: 10:22:52.89 UTC ML= 1.9  
 lat: 46.967N lon: 17.281E h= 0.0 km  
 erh= 4.8km erz= \*\*\*km  
 nr= 10 gap=167 rms=0.95  
 Locality: Sümegprága  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	30.0	41	Pg	10:22:57.44	-0.80
			Sg	23:02.44	0.02
PKST	65.8	60	Pg	10:23:03.77	-0.87
			Sg	23:15.27	1.46
CSKK	86.4	59	Sg	10:23:21.47	1.12
PKS9	87.2	119	Sg	10:23:21.27	0.67
PKSG	96.5	61	Sg	10:23:24.64	1.07
KOGS	97.6	234	Pg	10:23:10.99	0.67
			Sg	23:24.27	0.35
PKB1	117.0	100	Pg	10:23:12.30	-1.49

135.

2020-02-26 time: 12:26:04.99 UTC ML= 1.3  
 lat: 48.407N lon: 20.638E h= 0.0 km  
 erh= 3.8km erz= 963km  
 nr= 6 gap=159 rms=0.56  
 Locality: Felsőtelekes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	14.1	307	Pg	12:26:07.29	-0.23
			Sg	26:09.63	0.15
ABAH	46.2	106	Pg	12:26:14.07	0.82
			Sg	26:18.85	-0.84
PSZ	77.6	226	Pg	12:26:18.37	-0.48
			Sg	26:30.15	0.50

136.

2020-02-26 time: 22:08:45.82 UTC ML= 1.8  
 lat: 47.431N lon: 18.254E h= 11.4 km  
 erh= 2.3km erz= 1.4km  
 nr= 20 gap= 83 rms=0.80  
 Locality: Pusztavám  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.5	176	PgU	22:08:48.10	-0.16

			Sg	08:49.40	-0.77
PKSG	11.2	113	PgD	22:08:48.97	0.30
			Sg	08:50.99	0.10
PKST	25.3	221	PgD	22:08:50.43	-0.35
			Sg	08:53.66	-0.99
SRO	42.8	6	ePg	22:08:55.60	1.87
			eSg	09:02.00	2.11
MPLH	61.3	242	PgU	22:08:56.51	-0.46
A338	65.4	6	Sg	22:09:05.51	-1.41
PENC	87.0	63	Sg	22:09:13.16	-0.55
A336	105.2	32	P*	22:09:04.63	0.12
			S*	09:17.83	-1.25
PKS2	127.4	145	Sn	22:09:23.79	-0.23
MODS	127.8	325	ePn	22:09:08.10	0.77
			eSn	09:23.50	-0.61
MORH	138.3	168	Pn	22:09:09.70	1.05
			Sn	09:25.95	-0.50
PKSM	138.7	168	Pn	22:09:09.73	1.04
			Sn	09:26.04	-0.49

137.

2020-02-27 time: 10:05:00.18 UTC ML= 1.7  
 lat: 48.347N lon: 19.860E h= 0.0 km  
 erh= 3.1km erz= \*\*\*km  
 nr= 9 gap= 90 rms=0.80  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	47.7	177	Pg	10:05:09.09	0.39
			Sg	05:15.57	0.22
KECS	48.7	72	Pg	10:05:08.91	0.03
			Sg	05:15.16	-0.50
A336	65.1	259	Pg	10:05:12.07	0.26
			Sg	05:19.07	-1.82
LANS	93.9	342	ePg	10:05:18.30	1.35
			eSg	05:29.00	-1.02
ABAH	102.5	93	Sg	10:05:31.60	-1.15

138.

2020-02-27 time: 10:57:47.81 UTC ML= 1.6  
 lat: 48.601N lon: 20.789E h= 0.0 km  
 erh= 1.4km erz= 474km  
 nr= 10 gap=115 rms=0.38  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.9	240	Pg	10:57:52.22	-0.22
			Sg	57:55.65	-0.40
ABAH	47.6	135	Pg	10:57:56.36	0.06
			Sg	58:02.44	-0.49
STHS	96.6	20	ePg	10:58:05.40	0.34
			eSg	58:16.50	-2.02*
NIE	97.4	339	Pg	10:58:05.25	0.05
PSZ	100.8	221	Pg	10:58:06.62	0.81
			Sg	58:19.38	-0.48
LANS	114.5	302	Pg	10:58:08.02	-0.24
			Sg	58:24.29	0.07

139.

2020-02-27 time: 14:55:39.72 UTC ML= 1.4  
 lat: 47.173N lon: 19.229E h= 0.0 km  
 erh= 5.8km erz= \*\*\*km  
 nr= 10 gap=169 rms=0.94  
 Locality: Bugyi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	14.9	200	Pg	14:55:43.17	0.80
			Sg	55:46.00	1.56
PENC	68.8	3	Sg	14:56:00.48	-1.11

## Hypocenter Parameters

## Földrengés paraméterek

PKST 91.0 276 Pg 14:55:57.06 1.09  
 PSZ 96.9 31 Pg 14:55:57.20 0.19  
 Sg 56:09.97 -0.54  
 MORH 115.4 203 Pg 14:56:00.14 -0.18  
 Sg 56:14.08 -2.32  
 PKSM 115.9 203 Pg 14:56:00.01 -0.40  
 Sg 56:15.24 -1.31

140.

2020-02-27 time: 18:22:29.65 UTC ML= 2.0  
 lat: 45.892N lon: 17.140E h= 20.7 km  
 erh= 3.5km erz= 2.7km  
 nr= 11 gap=222 rms=0.33  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	70.1	336	Pg	18:22:42.78			0.59
			Sg	22:51.62			-0.35
PKSV	86.3	90	Pg	18:22:44.69			0.04
			Sg	22:56.07			-0.29
KOGS	92.4	312	Pg	18:22:45.83			0.25
			Sg	22:56.88			-1.13
PKSM	121.5	73	PnU	18:22:48.98			-0.23
			Sn	23:04.50			0.03
MORH	121.8	73	PnU	18:22:49.05			-0.20
			Sn	23:04.60			0.06
PKB4	131.4	59	Sn	18:23:06.79			0.12

141.

2020-02-28 time: 10:03:20.12 UTC ML= 0.9  
 lat: 47.191N lon: 18.276E h= 0.0 km  
 erh= 1.2km erz= 3.2km  
 nr= 9 gap=109 rms=0.31  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.2	356	Pg	10:03:23.55			0.00
			Sg	03:25.90			-0.32
PKST	19.8	293	Pg	10:03:24.06			0.41
			Sg	03:26.31			-0.10
PKSG	24.0	21	Pg	10:03:24.42			0.02
			Sg	03:28.04			0.30
MPLH	55.9	268	Pg	10:03:29.73			-0.36
PKSM	112.3	166	Sg	10:03:56.18			0.35
PSZ	146.2	56	Sn	10:04:04.15			-0.94

142.

2020-02-29 time: 1:08:00.62 UTC ML= 0.4  
 lat: 47.227N lon: 18.009E h= 3.8 km  
 erh= 8.2km erz= 4.3km  
 nr= 7 gap=202 rms=0.18  
 Locality: Tés  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	4.1	28	Pg	1:08:01.47			-0.13
			Sg	08:02.39			0.02
CSKK	24.3	51	Pg	1:08:04.87			-0.14
			Sg	08:09.05			0.61
PKSG	34.2	58	Pg	1:08:06.91			0.15
			Sg	08:11.45			-0.10
MPLH	36.1	260	Sg	1:08:12.24			0.07

143.

2020-02-29 time: 9:33:40.04 UTC ML= 1.0  
 lat: 46.192N lon: 18.258E h= 0.0 km  
 erh= 1.0km erz= 265km  
 nr= 8 gap=181 rms=0.19  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSM	29.7	86	Pg	9:33:45.19			-0.15
			Sg	33:49.56			0.08
MORH	29.9	85	Pg	9:33:45.39			0.00
			Sg	33:49.46			-0.10
PKSV	33.7	181	Pg	9:33:46.20			0.13
			Sg	33:50.78			0.01
PKB4	43.0	38	Sg	9:33:54.86			1.13
PKS9	43.9	2	Sg	9:33:53.84			-0.17

144.

2020-03-01 time: 16:08:22.77 UTC ML= 2.2  
 lat: 46.545N lon: 22.289E h= 10.0 km  
 erh= 6.5km erz= 6.7km  
 nr= 7 gap=157 rms=0.55  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DRGR	42.4	50	Pg	16:08:30.91			0.36
			Sg	08:36.37			-0.25
BZS	115.5	207	Pn	16:08:43.17			0.24
			Sn	08:57.26			-1.39
ABAH	210.2	338	Pn	16:08:55.17			0.43
			Sn	09:19.33			-0.34
PSZ	237.1	310	Sn	16:09:24.68			-0.95

145.

2020-03-01 time: 16:09:07.53 UTC ML= 2.8  
 lat: 46.663N lon: 22.144E h= 13.0 km  
 erh= 2.9km erz= 2.8km  
 nr= 31 gap=128 rms=1.03  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DRGR	45.7	72	Pg	16:09:14.87			-1.14
			Sg	09:23.46			0.84
LTVH	82.4	347	Pg	16:09:22.07			-0.35
			Sg	09:34.14			0.10
BZS	123.2	199	Pn	16:09:27.30			-0.96
			Sn	09:44.27			-0.17
BSZH	159.4	296	Sn	16:09:52.57			0.10
TRPA	165.9	10	Pn	16:09:34.88			1.29
			Sn	09:52.84			-1.07
PKSN	175.8	279	Pn	16:09:36.11			1.29
			Sn	09:56.48			0.37
ABAH	194.0	339	Pn	16:09:38.60			1.51
			Sn	09:59.06			-1.09
PKS6	197.6	268	Sn	16:10:00.78			-0.18
PSZ	220.1	309	Pn	16:09:41.19			0.84
			Sn	10:03.72			-2.22
PKB2	222.1	270	Sn	16:10:05.80			-0.59
KECS	237.8	328	Pn	16:09:44.64			2.09
			Sn	10:08.70			-1.17
FRGS	248.2	227	Pn	16:09:45.29			1.44
			Sn	10:11.43			-0.76
PENC	250.4	300	Sn	16:10:11.33			-1.34
PKB5	261.1	268	Sn	16:10:14.77			-0.28
PKB4	272.0	266	Sn	16:10:16.27			-1.19
MORH	273.5	260	Pn	16:09:47.51			0.51
			Sn	10:15.47			-2.33
PKSM	273.8	259	Pn	16:09:47.07			0.03
			Sn	10:15.28			-2.58



## Földrengés paraméterek

A336 294.5 306 Sn 16:10:22.01 -0.45\*  
 PKS9 296.1 268 Sn 16:10:21.69 -1.13\*  
 PKSG 296.6 286 Pn 16:09:50.83 0.94  
 STHS 313.5 348 Pn 16:09:53.06 1.07\*  
 SRO 317.0 294 Sn 16:10:26.54 -0.91\*  
 PKST 319.7 282 Pn 16:09:53.98 1.21\*  
 Sn 10:26.00 -2.06\*  
 NIE 335.5 336 Sn 16:10:32.24 0.68\*

146.

2020-03-01 time: 16:12:59.65 UTC ML= 1.5  
 lat: 46.647N lon: 22.176E h= 7.5 km  
 erh= 6.5km erz= 8.2km  
 nr= 11 gap=109 rms=1.08  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DRGR	43.9	69	Pg	16:13:07.94			0.33
			Sg		13:13.66		-0.16
BORR	57.5	329	Sg	16:13:17.60			-0.49
MARR	72.2	87	Sg	16:13:22.10			-0.63
BZS	122.4	201	Pn	16:13:20.09			-0.90
			Sn		13:34.49		-3.14
GZR	146.9	162	Sn	16:13:43.00			-0.07
GZR	146.9	162	PnD	16:13:24.67			0.63
LOT	181.6	137	Sn	16:13:52.70			1.93
HERR	197.2	175	PnD	16:13:32.20			1.89
PSZ	223.1	309	Sn	16:14:01.66			1.69

147.

2020-03-02 time: 9:28:04.07 UTC ML= 1.0  
 lat: 47.413N lon: 18.739E h= 0.0 km  
 erh= 2.9km erz= 6.8km  
 nr= 10 gap=139 rms=0.36  
 Locality: Pusztazámor  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
BUD	22.9	70	Pg	9:28:08.29			0.12
			Sg		28:11.52		0.16
PKSG	26.4	265	Pg	9:28:08.37			-0.41
			Sg		28:12.43		-0.02
CSKK	36.5	261	Pg	9:28:11.16			0.57
			Sg		28:15.61		-0.07
PKST	55.9	252	Pg	9:28:14.02			-0.04
			Sg		28:21.87		0.03
PENC	58.6	44	Sg	9:28:22.35			-0.34
PKSM	133.7	183	Sn	9:28:43.83			-2.44

148.

2020-03-02 time: 10:22:13.05 UTC ML= 0.6  
 lat: 47.202N lon: 18.279E h= 0.0 km  
 erh= 0.7km erz= 177km  
 nr= 7 gap=144 rms=0.12  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.0	355	Pg	10:22:16.34			0.09
			Sg		22:18.34		-0.42
PKST	19.6	289	Pg	10:22:16.49			-0.05
			Sg		22:19.40		0.13
PKSG	22.7	22	Pg	10:22:17.16			0.06
			Sg		22:20.27		0.00
PKSM	113.5	166	Sg	10:22:49.00			-0.12

## Hypocenter Parameters

149.

2020-03-02 time: 10:37:10.89 UTC ML= 1.8  
 lat: 48.590N lon: 20.754E h= 0.0 km  
 erh= 1.1km erz= 2.3km  
 nr= 11 gap= 90 rms=0.28  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.1	239	Pg	10:37:15.42			0.41
			Sg		37:18.33		0.11
ABAH	48.5	132	Pg	10:37:19.40			-0.15
			Sg		37:26.39		0.07
PSZ	98.2	221	Pg	10:37:28.54			0.12
			Sg		37:41.56		-0.54
STHS	98.7	21	ePg	10:37:28.80			0.29
LANS	113.1	303	Pg	10:37:30.74			-0.34
TRPA	141.8	111	Pn	10:37:35.54			-0.06
			Sn		37:52.44		-2.44*
DRGR	248.1	144	Sn	10:38:18.28			-0.19

150.

2020-03-03 time: 7:51:34.20 UTC ML= 1.9  
 lat: 46.896N lon: 21.496E h= 10.0 km  
 erh= 3.9km erz= 3.2km  
 nr= 12 gap=137 rms=0.75  
 Locality: Zsadány  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BORR	30.8	46	PgC	7:51:40.47			0.48
			Sg		51:45.70		1.19
DRGR	93.4	97	Pg	7:51:50.70			-0.28
			Sg		52:02.31		-1.76
MARR	126.3	101	PnC	7:51:56.18			0.47
			Sn		52:12.10		-0.38
BZS	142.5	176	Pn	7:51:57.86			0.13
			Sn		52:14.93		-1.15
ABAH	156.8	353	Sn	7:52:18.69			-0.56
PSZ	165.9	313	Sn	7:52:20.44			-0.83
GZR	194.2	149	PnD	7:52:04.55			0.39
			Sn		52:28.90		1.36

151.

2020-03-03 time: 9:19:02.00 UTC ML= 1.4  
 lat: 47.873N lon: 19.179E h= 0.0 km  
 erh= 0.4km erz=88.7km  
 nr= 5 gap=160 rms=0.04  
 Locality: Ősagárd  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	12.0	140	Pg	9:19:04.08			-0.06
			Sg		19:05.86		0.05
PSZ	53.7	85	Pg	9:19:11.61			0.01
			Sg		19:19.09		0.01
A338	63.7	284	Sg	9:19:22.30			0.04

152.

2020-03-03 time: 10:05:34.39 UTC ML= 2.0  
 lat: 47.835N lon: 20.120E h= 0.0 km  
 erh= 4.2km erz= 4.0km  
 nr= 15 gap=161 rms=1.14  
 Locality: Domoszló  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	19.2	299	PgU	10:05:37.39			-0.44
			Sg		05:39.07		-1.44
PENC	63.0	266	Pg	10:05:45.95			0.32

## Hypocenter Parameters

## Földrengés paraméterek

			Sg	05:54.42	0.02
KECS	77.1	21	Pg	10:05:50.03	1.88
ABAH	98.0	58	Pg	10:05:51.37	-0.51
			Sg	06:03.22	-2.30
PKS7	113.6	220	Sg	10:06:09.78	-0.71
PKSG	139.0	249	Sn	10:06:17.05	-0.71
PKB1	154.0	221	Sn	10:06:21.17	0.08
LANS	154.0	342	Pn	10:06:00.93	0.30
			Sn	06:20.03	-1.07
PKST	169.5	248	Pn	10:06:04.32	1.76
STHS	194.4	25	ePn	10:06:11.40	5.73
			eSn	06:30.20	0.14

153.

2020-03-03 time: 10:43:39.64 UTC ML= 0.8  
 lat: 47.189N lon: 18.288E h= 0.0 km  
 erh= 0.6km erz= 2.9km  
 nr= 9 gap=126 rms=0.18  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.4	354	Pg	10:43:43.13	0.02
			Sg	43:45.47	-0.35
PKST	20.7	292	Pg	10:43:43.44	0.10
			Sg	43:46.13	-0.10
PKSG	23.8	19	Pg	10:43:44.00	0.11
			Sg	43:47.31	0.10
MORH	111.6	166	Sg	10:44:15.30	0.19
PKSM	112.0	166	Sg	10:44:15.04	-0.19
PSZ	145.5	56	Sn	10:44:23.56	-0.90

154.

2020-03-04 time: 6:33:25.30 UTC ML= 1.2  
 lat: 47.598N lon: 18.344E h= 0.0 km  
 erh= 7.1km erz= 4.2km  
 nr= 8 gap=299 rms=1.44  
 Locality: Vértesszőlős  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	23.2	171	Pg	6:33:30.32	0.88
			Sg	33:33.11	0.44
CSKK	26.9	194	Sg	6:33:34.39	0.55
PKST	44.3	212	Pg	6:33:35.06	1.84
			Sg	33:38.77	-0.63
MPLH	77.2	232	Sg	6:33:48.09	-1.74
MORH	155.3	172	Sn	6:34:10.16	-2.14
PKSM	155.8	172	Sn	6:34:10.27	-2.12

155.

2020-03-04 time: 10:21:08.46 UTC ML= 1.6  
 lat: 48.599N lon: 20.745E h= 0.0 km  
 erh= 2.0km erz= 742km  
 nr= 12 gap=111 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.1	236	Pg	10:21:12.79	0.20
			Sg	21:15.44	-0.37
ABAH	49.7	133	Pg	10:21:17.83	0.49
			Sg	21:23.94	-0.33
NIE	96.5	341	Pg	10:21:26.84	1.15
			Sg	21:39.31	0.18
STHS	98.0	22	ePg	10:21:25.00	-0.96
			eSg	21:36.80	-2.80*
PSZ	98.6	220	Pg	10:21:26.23	0.16
			Sg	21:39.41	-0.40
LANS	112.0	303	Pg	10:21:28.26	-0.20
			Sg	21:42.97	-1.09

156.

2020-03-04 time: 11:29:57.34 UTC ML= 0.7  
 lat: 47.221N lon: 18.266E h= 0.0 km  
 erh= 2.9km erz= 370km  
 nr= 6 gap=257 rms=0.22  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.8	358	Pg	11:30:00.45	0.29
			Sg	30:02.57	0.21
PKST	18.1	283	Pg	11:30:00.62	0.05
			Sg	30:02.71	-0.37
PKSG	21.2	26	Pg	11:30:00.93	-0.19
			Sg	30:03.93	-0.14

157.

2020-03-05 time: 8:46:13.90 UTC ML= 1.5  
 lat: 46.106N lon: 18.019E h= 0.0 km  
 erh= 5.5km erz= 859km  
 nr= 8 gap=273 rms=0.61  
 Locality: Bükkösd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.5	107	PgU	8:46:14.32	-0.75
			Sg	46:15.49	-0.49
PKSM	49.5	76	Pg	8:46:23.48	0.74
			Sg	46:29.67	0.04
MORH	49.8	76	Pg	8:46:23.68	0.89
			Sg	46:29.83	0.10
PKS9	57.1	20	Pg	8:46:23.67	-0.43
			Sg	46:31.59	-0.46

158.

2020-03-05 time: 10:19:26.65 UTC ML= 1.2  
 lat: 47.106N lon: 18.042E h= 0.0 km  
 erh= 1.7km erz= 586km  
 nr= 12 gap=116 rms=0.49  
 Locality: Királyszentistván  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	17.0	358	Pg	10:19:29.12	-0.57
			Sg	19:32.04	-0.03
TIH	25.5	206	Pg	10:19:31.16	-0.05
			Sg	19:35.61	0.84
CSKK	33.0	30	Pg	10:19:33.03	0.48
			Sg	19:37.63	0.48
MPLH	38.8	281	Sg	10:19:39.09	0.10
PKSG	41.3	40	Pg	10:19:34.06	0.03
			Sg	19:39.89	0.11
PKSM	109.4	155	Pg	10:19:46.21	0.02
			Sg	20:00.34	-1.10
KOVH	113.2	178	Sg	10:19:59.50	-3.13*

159.

2020-03-05 time: 13:34:02.57 UTC ML= 1.7  
 lat: 46.769N lon: 17.298E h= 0.0 km  
 erh= 1.7km erz= 3.5km  
 nr= 19 gap=105 rms=0.81  
 Locality: Gyenesdiás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	47.7	72	Pg	13:34:12.02	0.94
MPLH	48.3	22	Pg	13:34:11.85	0.66
			Sg	34:16.87	-1.04
EGYH	72.2	2	Sg	13:34:25.52	0.02
PKST	78.2	46	Sg	13:34:27.10	-0.31

## Földrengés paraméterek

## Hypocenter Parameters

KOGS 87.8 246 Pg 13:34:19.01 0.76  
 Sg 34:30.92 0.44  
 KOVH 97.5 141 Pg 13:34:19.52 -0.46  
 Sg 34:32.49 -1.08  
 CSKK 98.6 48 Sg 13:34:33.92 0.02  
 PKB4 104.5 107 Sg 13:34:36.13 0.36  
 PKSG 108.1 50 Pg 13:34:21.70 -0.17  
 Sg 34:36.62 -0.31  
 MORH 120.2 121 Pg 13:34:24.89 0.85  
 Sg 34:39.06 -1.72  
 PKSM 120.3 121 Pg 13:34:24.83 0.79  
 Sg 34:39.52 -1.28  
 GROS 141.8 256 Sn 13:34:44.81 -1.74  
 ARSA 145.2 292 Sn 13:34:46.44 -0.88

160.

2020-03-06 time: 13:00:41.08 UTC ML= 1.2  
 lat: 48.127N lon: 20.790E h= 0.0 km  
 erh= 2.7km erz= 3.2km  
 nr= 9 gap=190 rms=0.47  
 Locality: Miskolc  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ID58	19.7	268	Pg	13:00:44.63	0.03
ABAH	38.3	61	Pg	13:00:47.69	-0.23
			Sg	00:53.25	-0.01
KJX	45.0	336	Pg	13:00:48.68	-0.43
KECS	45.5	330	Pg	13:00:50.25	1.04
			Sg	00:55.07	-0.48
PSZ	70.7	251	Sg	13:01:03.16	-0.39
NIE	147.8	346	Sn	13:01:27.06	0.66
LANS	149.8	319	Pn	13:01:06.78	0.00

161.

2020-03-09 time: 10:17:57.86 UTC ML= 1.4  
 lat: 47.490N lon: 18.541E h= 0.0 km  
 erh= 4.2km erz= 4.6km  
 nr= 11 gap=202 rms=0.66  
 Locality: Óbarok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	15.7	226	Pg	10:18:01.00	0.33
			Sg	18:03.82	0.96
CSKK	25.4	236	Pg	10:18:02.17	-0.23
			Sg	18:05.65	-0.29
SRO	39.8	335	ePg	10:18:06.10	1.13
			eSg	18:10.90	0.38
PKST	46.1	236	Pg	10:18:05.89	-0.20
			Sg	18:12.32	-0.18
MODS	136.3	316	ePn	10:18:20.30	-1.59
			eSn	18:36.10	-4.53*
PKSM	142.3	177	Pn	10:18:22.65	0.01
			Sn	18:41.60	-0.36

162.

2020-03-09 time: 10:20:48.53 UTC ML= 1.7  
 lat: 48.448N lon: 21.344E h= 0.0 km  
 erh= 9.3km erz= \*\*\*km  
 nr= 5 gap=291 rms=0.54  
 Locality: Telkibánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	18.6	205	Pg	10:20:51.61	-0.24
			Sg	20:55.19	0.75
KECS	63.6	274	Pg	10:21:00.08	0.19
			Sg	21:08.95	0.21
PSZ	122.8	241	Sg	10:21:26.19	-1.38

163.

2020-03-09 time: 10:58:24.77 UTC ML= 1.7  
 lat: 48.622N lon: 20.787E h= 0.0 km  
 erh= 2.9km erz= 5.4km  
 nr= 11 gap= 92 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.1	235	Pg	10:58:29.58	-0.02
			Sg	58:33.25	-0.13
ABAH	49.4	137	Pg	10:58:33.55	-0.03
			Sg	58:39.71	-0.74
STHS	94.5	21	ePg	10:58:42.10	0.47
PSZ	102.5	220	Pg	10:58:43.50	0.42
			Sg	58:56.78	-0.58
LANS	113.2	301	Pg	10:58:45.08	0.10
			Sg	58:59.23	-1.52
TRPA	140.9	113	Pn	10:58:50.63	1.27
			Sn	59:06.66	-1.89

164.

2020-03-09 time: 19:44:26.82 UTC ML= 1.0  
 lat: 47.048N lon: 17.390E h= 6.7 km  
 erh= 2.9km erz=13.7km  
 nr= 8 gap=114 rms=0.61  
 Locality: Nemeshány  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	17.7	40	Pg	19:44:30.91	0.71
			Sg	44:32.49	-0.35
B117	21.2	240	Pg	19:44:30.53	-0.26
EGYH	41.3	354	Pg	19:44:35.03	0.74
			Sg	44:38.75	-1.37
B119	45.6	187	Sg	19:44:41.27	-0.20
PKST	54.2	64	Sg	19:44:43.70	-0.47
B111	75.9	156	Sg	19:44:50.77	-0.26

165.

2020-03-10 time: 7:59:49.09 UTC ML= 1.7  
 lat: 47.835N lon: 19.908E h= 0.0 km  
 erh= 2.3km erz= 3.7km  
 nr= 9 gap=139 rms=0.39  
 Locality: Gyöngyösoroszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	9.3	354	Pg	7:59:50.86	0.11
			Sg	59:52.39	0.35
PENC	47.1	264	Pg	7:59:57.02	-0.48
			Sg	8:00:04.55	0.48
KECS	83.9	31	Pg	7:60:04.21	0.14
			Sg	60:14.17	-1.59
ABAH	111.7	63	Pg	7:60:09.19	0.15
PKSG	124.2	247	Sg	7:60:28.21	-0.37
PKB2	138.5	201	Sn	7:60:32.54	0.18

166.

2020-03-10 time: 8:31:08.31 UTC ML= 1.7  
 lat: 47.718N lon: 18.571E h= 0.0 km  
 erh= 2.3km erz= 608km  
 nr= 10 gap=189 rms=0.47  
 Locality: Bajót  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	22.1	299	Pg	8:31:12.01	-0.24
			Sg	31:15.57	0.25
PKSG	38.7	201	Pg	8:31:15.84	0.61

## Hypocenter Parameters

Sg 31:20.66 0.04  
 BUD 42.9 127 Sg 8:31:21.77 -0.16  
 CSKK 45.9 211 Pg 8:31:16.89 0.39  
 Sg 31:21.27 -1.62  
 PKST 65.1 218 Pg 8:31:19.33 -0.61  
 Sg 31:29.21 0.20  
 MPLH 98.8 232 Sg 8:31:39.71 -0.01

167.

2020-03-10 time: 9:33:01.78 UTC ML= 1.5  
 lat: 47.094N lon: 17.383E h= 0.0 km  
 erh= 8.3km erz= 919km  
 nr= 5 gap=284 rms=0.41  
 Locality: Somlóvásárhely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	14.6	55	Pg	9:33:04.89	0.51
			Sg	33:06.63	0.22
EGYH	36.1	354	Pg	9:33:07.90	-0.33
			Sg	33:13.32	0.06
PKST	52.6	70	Sg	9:33:17.85	-0.67

168.

2020-03-10 time: 9:39:51.08 UTC ML= 1.2  
 lat: 47.158N lon: 17.429E h= 8.6 km  
 erh= 4.1km erz= 3.7km  
 nr= 13 gap=204 rms=0.75  
 Locality: Oroszi  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	8.5	81	PgU	9:39:52.89	-0.35
			Sg	39:54.42	-0.51
EGYH	29.8	346	Pg	9:39:57.01	0.40
			Sg	40:00.84	-0.09
PKST	47.3	76	Pg	9:40:00.00	0.35
			Sg	40:05.84	-0.50
ID54	48.3	51	Pg	9:40:00.75	0.92
			Sg	40:05.30	-1.36
B116	56.5	284	Sg	9:40:08.64	-0.61
PKSG	77.3	70	Pg	9:40:05.99	1.02
			Sg	40:15.48	-0.32
CONA	145.8	306	Pn	9:40:13.83	-1.36
			Sn	40:38.12	4.13*

169.

2020-03-10 time: 10:09:24.76 UTC ML= 1.7  
 lat: 48.595N lon: 20.785E h= 0.0 km  
 erh= 2.6km erz= 6.9km  
 nr= 13 gap=92 rms=0.92  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.4	241	Pg	10:09:29.42	0.13
			Sg	09:32.69	-0.13
ABAH	47.3	135	Pg	10:09:33.56	0.37
			Sg	09:39.66	-0.11
STHS	97.4	20	ePg	10:09:40.50	-1.64
			eSg	09:55.30	-0.40
NIE	97.9	339	Pg	10:09:43.75	1.51
			Sg	09:55.77	-0.12
PSZ	100.2	221	Pg	10:09:43.46	0.82
			Sg	09:55.78	-0.81
LANS	114.7	303	ePg	10:09:45.30	0.06
			eSg	09:59.60	-1.62
TRPA	139.9	112	Sn	10:10:06.28	-2.03

## Földrengés paraméterek

170.

2020-03-10 time: 10:13:06.59 UTC ML= 2.1  
 lat: 48.253N lon: 21.191E h= 0.0 km  
 erh= 2.2km erz= 5.4km  
 nr= 9 gap=98 rms=0.74  
 Locality: Abaújszántó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.0	37	Pg	10:13:08.09	0.44
			Sg	13:08.80	0.32
KECS	58.2	296	Pg	10:13:17.94	0.96
			Sg	13:24.90	-0.19
TRPA	101.1	98	Pg	10:13:24.51	-0.14
			Sg	13:37.38	-1.36
PSZ	103.5	249	Sg	10:13:38.85	-0.65
LTVH	110.2	151	Sg	10:13:41.85	0.24
NIE	144.8	334	Sn	10:13:49.44	-1.80

171.

2020-03-10 time: 10:50:55.67 UTC ML= 0.6  
 lat: 47.262N lon: 18.228E h= 0.0 km  
 erh= 2.3km erz= 277km  
 nr= 6 gap=228 rms=0.17  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.5	12	Pg	10:50:57.76	0.04
			Sg	50:59.09	-0.24
PKST	14.7	269	Pg	10:50:58.42	0.14
			Sg	51:00.17	-0.15
PKSG	19.0	40	Pg	10:50:58.93	-0.12
			Sg	51:02.08	0.38

172.

2020-03-10 time: 12:17:36.72 UTC ML= 1.6  
 lat: 47.849N lon: 20.191E h= 0.0 km  
 erh= 4.3km erz= \*\*\*km  
 nr= 6 gap=157 rms=0.64  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	23.4	289	Pg	12:17:41.42	0.51
			Sg	17:43.95	-0.22
BSZH	61.4	175	Sg	12:17:55.81	-0.42
PENC	68.4	265	Pg	12:17:49.54	0.61
			Sg	17:57.12	-1.34
KECS	73.8	17	Sg	12:17:59.66	-0.53

173.

2020-03-11 time: 10:56:14.37 UTC ML= 1.1  
 lat: 47.169N lon: 18.292E h= 0.0 km  
 erh= 1.1km erz= 128km  
 nr= 6 gap=280 rms=0.08  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	21.7	354	Pg	10:56:18.25	0.00
			Sg	56:21.02	-0.25
PKST	22.0	297	Pg	10:56:18.25	-0.04
			Sg	56:21.41	0.06
PKSG	25.9	17	Pg	10:56:19.02	0.03
			Sg	56:22.68	0.09

**Földrengés paraméterek**

**Hypocenter Parameters**

174.  


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 2020-03-11 time: 12:10:50.66 UTC ML= 0.8  
 lat: 47.387N lon: 18.143E h= 8.7 km  
 erh= 1.0km erz= 1.9km  
 nr= 7 gap=162 rms=0.12  
 Locality: Nagyveleg  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	9.2	106	Pg	12:10:52.98	0.06
			Sg	10:54.55	-0.14
PKST	16.4	210	Sg	12:10:56.59	0.03
			Pg	12:10:53.93	-0.19
ID54	17.3	287	Sg	10:57.00	0.19
			Pg	12:10:54.45	0.11
PKSG	18.7	88	Pg	12:10:54.45	0.11
			Sg	10:57.15	-0.06

175.  


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 2020-03-12 time: 2:37:47.14 UTC ML= 2.0  
 lat: 46.655N lon: 22.151E h= 0.3 km  
 erh= 1.7km erz= 2.0km  
 nr= 30 gap=130 rms=0.82  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	45.4	71	Pg	2:37:55.87	0.62
			Sg	38:01.55	-0.02
BORR	55.8	330	Sg	2:38:04.60	-0.27
			PgC	2:38:00.95	0.58
MARR	74.1	88	Sg	38:09.70	-0.99
			PgC	2:38:01.79	0.01
MESR	82.0	48	Sg	38:12.40	-0.79
			Pg	2:38:02.26	0.25
LTVH	83.3	347	Sg	38:12.49	-1.12
			PgD	2:38:05.86	0.22
DEV	103.6	146	Sg	38:17.80	-2.27
			PgD	2:38:07.27	0.33
CJR	110.9	87	Sg	38:21.50	-0.89
			Pg	2:38:08.06	-0.98
BZS	122.6	200	Sg	38:22.06	-4.06*
			PnC	2:38:13.32	0.69
GZR	148.4	161	Sn	38:30.90	-1.62
			Sn	2:38:32.80	-0.59
BMR	152.3	42	Pn	2:38:15.48	0.58
			PnC	2:38:18.43	1.41
TRPA	166.6	10	Sn	38:40.80	0.47
			Sn	2:38:44.30	0.72
LOT	183.6	137	PnC	2:38:20.09	1.24
			Sn	38:43.90	0.31
TNR	198.3	124	PnC	2:38:21.45	1.00
			Sn	38:47.20	0.77
HERR	198.3	174	PnD	2:38:27.20	0.55
			Sn	38:57.40	-0.08
MDVR	211.1	189	PnC	2:38:27.21	0.41
			Sn	38:58.10	0.36

176.  


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 2020-03-12 time: 8:14:22.31 UTC ML= 1.4  
 lat: 47.095N lon: 17.907E h= 0.0 km  
 erh= 2.2km erz= 812km  
 nr= 10 gap=104 rms=0.63  
 Locality: Veszprém  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.7	28	Pg	8:14:25.49	-0.51
			Sg	14:28.17	-0.71
TIH	21.7	183	Pg	8:14:27.11	0.93
			Pg	8:14:27.58	0.07
MPLH	29.1	287	Sg	14:31.14	-0.43
			Pg	8:14:30.07	0.60

Sg 14:35.62 0.57  
 PKSG 49.3 48 Sg 8:14:38.16 0.17  
 MORH 112.8 150 Sg 8:14:57.20 -0.97  
 PKSM 113.1 150 Sg 8:14:57.35 -0.91

177.  


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 2020-03-12 time: 10:28:34.94 UTC ML= 0.8  
 lat: 47.196N lon: 18.286E h= 0.0 km  
 erh= 1.0km erz= 125km  
 nr= 6 gap=270 rms=0.07  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.6	354	Pg	10:28:38.34	0.07
			Sg	28:40.95	0.09
PKST	20.3	290	Pg	10:28:38.59	0.02
			Sg	28:41.23	-0.17
PKSG	23.1	20	Pg	10:28:39.02	-0.05
			Sg	28:42.23	-0.06

178.  


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 2020-03-12 time: 10:29:49.13 UTC ML= 1.9  
 lat: 48.612N lon: 20.758E h= 0.0 km  
 erh= 2.3km erz= 832km  
 nr= 10 gap=113 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.8	234	Pg	10:29:53.61	0.06
			Sg	29:56.20	-0.80
ABAH	50.0	135	Pg	10:29:57.98	-0.09
			Sg	30:04.40	-0.64
NIE	95.4	340	Pg	10:30:07.50	1.33
			ePg	10:30:06.50	0.19
STHS	96.2	22	eSg	30:18.80	-0.91
			Sg	10:30:21.39	0.36
PSZ	100.4	220	Pg	10:30:09.17	0.04
			Sg	30:23.43	-1.30

179.  


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 2020-03-13 time: 7:50:41.95 UTC ML= 1.6  
 lat: 48.061N lon: 20.718E h= 0.0 km  
 erh= 3.0km erz= 573km  
 nr= 5 gap=200 rms=0.26  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.8	56	Pg	7:50:50.48	0.17
			Sg	50:56.43	-0.40
KECS	50.1	340	Pg	7:50:51.14	0.26
			Sg	50:57.60	-0.26
PSZ	63.4	256	Sg	7:51:01.88	-0.23

180.  


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 2020-03-13 time: 8:33:20.91 UTC ML= 1.8  
 lat: 46.035N lon: 22.819E h= 0.0 km  
 erh= 1.7km erz= 2.3km  
 nr= 21 gap=111 rms=0.73  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.1	159	PgD	8:33:24.33	0.18
			Sg	33:27.60	0.93
GZR	71.4	183	PgD	8:33:33.80	0.13
			Sg	33:42.80	-0.82
MARR	74.9	18	Sg	8:33:43.40	-1.31

## Hypocenter Parameters

DRGR	84.5	354	Pg	8:33:36.74	0.74
			Sg	33:47.93	0.16
CJR	96.3	38	PgC	8:33:38.46	0.35
			Sg	33:49.70	-1.82
LOT	98.7	131	PgC	8:33:39.08	0.55
			Sg	33:52.10	-0.18
BZS	104.4	244	Pg	8:33:39.69	0.13
			Sg	33:52.92	-1.18
HERR	132.1	194	PnC	8:33:44.17	-0.25
			Sn	34:00.80	-1.96
MDVR	164.1	212	PnD	8:33:48.52	0.11
			Sn	34:10.50	0.65
VOIR	185.9	111	PnD	8:33:51.67	0.54
			Sn	34:14.10	-0.60
TRPA	233.9	355	Sn	8:34:26.81	1.47
MLR	250.6	104	Sn	8:34:29.30	0.25

181.

2020-03-13 time: 10:51:49.86 UTC ML= 1.6  
 lat: 48.583N lon: 20.686E h= 0.0 km  
 erh= 3.3km erz= 804km  
 nr= 6 gap=144 rms=0.47  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	18.5	233	Pg	10:51:52.67	-0.49
			Sg	51:56.64	0.91
ABAH	51.9	128	Pg	10:51:59.35	0.22
			Sg	52:06.00	-0.36
NIE	96.9	344	Pg	10:52:07.62	0.45
LANS	109.4	305	Pg	10:52:08.99	-0.41

182.

2020-03-13 time: 11:14:54.52 UTC ML= 0.9  
 lat: 47.091N lon: 18.006E h= 0.0 km  
 erh= 3.4km erz= 377km  
 nr= 5 gap=243 rms=0.20  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.8	6	Pg	11:14:57.80	-0.08
			Sg	15:00.21	-0.29
MPLH	36.5	284	Pg	11:15:01.03	-0.01
			Sg	15:06.22	0.10
PKSG	44.3	41	Sg	11:15:09.09	0.48

183.

2020-03-14 time: 0:07:40.10 UTC ML= 1.9  
 lat: 46.021N lon: 16.035E h= 6.0 km  
 erh= 1.5km erz= 2.0km  
 nr= 30 gap= 53 rms=0.72  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	14.7	204	Pg	0:07:42.21	-0.72
			Sg	07:44.65	-0.49
ZAG	21.5	188	Pg	0:07:43.94	-0.15
			Sg	07:47.14	-0.06
GOLS	31.8	268	iPg	0:07:46.16	0.28
			iSg	07:51.45	1.06
GCIS	35.9	242	iPgC	0:07:46.56	-0.04
			iSg	07:52.05	0.38
CESS	44.6	263	iPg	0:07:48.53	0.39
			eSg	07:54.80	0.39
DOBS	46.1	288	ePg	0:07:48.91	0.51
CRES	49.8	244	Pg	0:07:48.93	-0.13
			Sg	07:55.75	-0.29
KOGS	50.4	19	Pg	0:07:48.88	-0.28
			Sg	07:55.29	-0.93

## Földrengés paraméterek

LEGS	56.2	262	iPg	0:07:50.40	0.21
GROS	63.9	320	Sg	0:07:59.54	-0.98
BEHE	75.9	49	Pg	0:07:54.38	0.68
			Sg	08:02.77	-1.53
BOJS	83.7	227	iPg	0:07:54.25	-0.83
PERS	98.4	314	Pg	0:07:59.00	1.30
			Sg	08:09.49	-1.94
SOKA	106.3	313	Pg	0:07:59.46	0.35
			Sg	08:10.96	-2.98*
OBKA	126.8	295	Sn	0:08:17.98	-1.42
ARSA	142.2	344	Pn	0:08:04.58	0.48
BLY	167.5	148	Sn	0:08:28.71	0.27
PKSV	172.5	95	Sn	0:08:28.95	-0.60
PKSM	202.6	84	Sn	0:08:37.68	1.46
MORH	202.9	84	Sn	0:08:37.73	1.45

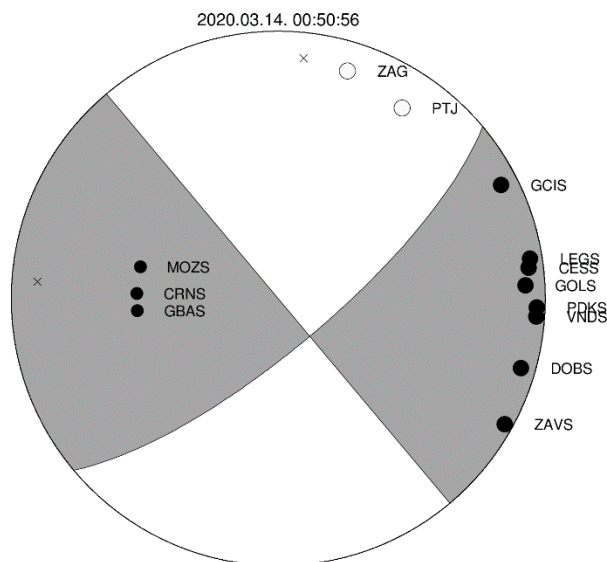
184.

2020-03-14 time: 0:50:56.21 UTC ML= 2.8  
 lat: 46.030N lon: 16.081E h= 4.9 km  
 erh= 1.2km erz= 1.1km  
 nr= 85 gap= 53 rms=0.80  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	17.3	213	PgD	0:50:59.27	-0.15
			Sg	51:01.38	-0.55
ZAG	23.3	197	PgD	0:51:00.59	0.12
			Sg	51:04.16	0.37
GOLS	35.4	267	iPgC	0:51:03.10	0.51
			eSg	51:08.42	0.84
GCIS	39.6	243	iPgC	0:51:03.58	0.25
			eSg	51:08.84	-0.04
KOGS	48.3	16	Pg	0:51:05.50	0.63
			Sg	51:10.85	-0.78
CESS	48.3	263	iPgC	0:51:05.51	0.64
			iSg	51:12.23	0.59
DOBS	49.2	286	iPgC	0:51:05.51	0.48
CRES	53.5	245	Pg	0:51:05.67	-0.13
			Sg	51:12.16	-1.12
LEGS	59.8	261	iPgC	0:51:07.20	0.27
GROS	65.5	317	Pg	0:51:08.40	0.46
			Sg	51:16.37	-0.72
BEHE	72.5	48	Pg	0:51:09.77	0.58
			Sg	51:19.24	-0.08
PDKS	83.9	272	iPgC	0:51:11.35	0.13
			eSg	51:22.07	-0.86
BOJS	87.0	228	iPg	0:51:11.16	-0.62
ZAVS	93.1	299	iPgC	0:51:12.86	0.01
			eSg	51:25.06	-0.77
VISS	99.6	255	ePg	0:51:13.22	-0.79
PERS	100.3	312	Pg	0:51:14.02	-0.11
			Sg	51:26.15	-1.96
VNDS	107.1	274	iPgC	0:51:15.01	-0.34
SOKA	108.2	312	Pg	0:51:15.35	-0.20
			Sg	51:28.02	-2.61
GBRS	113.3	241	iPg	0:51:15.53	-0.94
LJU	120.3	271	iPn	0:51:16.96	-0.65
			eSn	51:34.85	0.54
GBAS	127.4	265	iPnC	0:51:17.97	-0.53
			eSn	51:34.90	-0.99
OBKA	129.6	294	Pn	0:51:18.83	0.06
			Sn	51:34.57	-1.80
MOZS	129.9	283	iPnC	0:51:18.79	-0.02
			Sn	51:35.50	-0.94
CRNS	140.9	272	iPnC	0:51:20.27	0.08
ARSA	142.2	343	Pn	0:51:20.46	0.11
			Sn	51:36.49	-2.69
KNDS	143.6	247	iPn	0:51:20.68	0.17
			eSn	51:39.66	0.19
JAVS	157.1	264	iPn	0:51:22.53	0.33
GORS	163.9	281	iPn	0:51:24.39	1.34
BLY	166.5	149	Pn	0:51:23.08	-0.30
			Sn	51:43.52	-1.05

**Földrengés paraméterek**

MPLH	169.0	41	Pn	0:51:23.04	-0.64
			Sn	51:45.07	-0.04
PKSV	169.0	95	Pn	0:51:22.27	-1.42
			Sn	51:41.17	-3.96*
SKDS	169.5	252	iPn	0:51:24.62	0.87
TIH	169.5	55	Pn	0:51:23.33	-0.42
VOJS	169.8	270	ePn	0:51:24.68	0.89
			eSn	51:47.00	1.70
PKS9	180.3	70	Pn	0:51:25.78	0.69
EGYH	181.4	32	Pn	0:51:25.28	0.04
			Sn	51:48.35	0.47
CADS	182.5	277	ePn	0:51:26.58	1.21
RONA	186.3	5	Pn	0:51:26.20	0.35
SOP	187.4	11	Pn	0:51:26.98	1.00
PKSM	198.9	84	Pn	0:51:25.85	-1.57
MORH	199.2	84	Pn	0:51:26.03	-1.42
MYKA	199.3	290	Pn	0:51:30.29	2.82
			Sn	51:54.24	2.39
ROBS	200.2	277	iPn	0:51:29.53	1.96
PKB4	201.3	75	Pn	0:51:28.40	0.69
PKST	202.6	48	Pn	0:51:27.46	-0.41
CONA	211.7	355	Pn	0:51:29.74	0.73
PKB5	213.9	73	Pn	0:51:30.36	1.07
PKB1	224.7	68	Pn	0:51:35.13	4.50
			Sn	51:57.42	-0.06
PKSG	232.6	49	Pn	0:51:32.25	0.63
KBA	240.0	299	Pn	0:51:33.57	1.02
PKB3	244.2	80	Pn	0:51:32.99	-0.07
MOA	245.0	326	Pn	0:51:33.74	0.58
			Sn	52:01.94	-0.05
PKS2	246.9	78	Pn	0:51:39.80	6.40*
PKB2	253.6	74	Pn	0:51:40.73	6.49*
SRO	261.2	41	ePn	0:51:36.60	0.42
			eSn	52:04.00	-1.58
BIOA	262.3	315	Pn	0:51:37.33	2.01
			Sn	52:04.93	-0.90
MODS	275.9	19	ePn	0:51:36.70	-0.31
			eSn	52:04.90	-3.94*
A338	280.2	38	Sn	0:52:08.72	-1.09
KRUC	337.9	4	Pn	0:51:44.76	0.01*
BBL5	356.0	132	Pn	0:51:46.80	-0.20*
PSZ	358.2	54	Sn	0:52:27.05	-0.05*
WTTA	366.9	292	Pn	0:51:50.03	1.67*
WATA	374.0	293	Pn	0:51:49.50	0.26*
			Sn	52:31.96	1.35*
KHC	392.9	331	ePn	0:51:52.90	1.30*
			eSn	52:34.20	-0.60*
ZVC	404.6	340	ePn	0:51:54.10	1.03*



**Hypocenter Parameters**

185.  


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2020-03-14 time: 3:32:30.35 UTC ML= 1.7  
lat: 46.021N lon: 16.032E h= 10.0 km  
erh= 4.2km erz= 4.8km  
nr= 10 gap=228 rms=0.60  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	14.7	203	PgD	3:32:33.47			-0.05
			Sg		32:35.74		-0.25
ZAG	21.6	188	Pg	3:32:34.40			-0.20
			Sg		32:37.76		-0.15
CRE5	49.6	244	Pg	3:32:40.20			0.81
			Sg		32:47.02		0.58
GROS	63.7	320	Sg	3:32:50.78			-0.06
PERS	98.1	314	Pg	3:32:48.40			0.44
			Sg		33:00.41		-1.29
SOKA	106.0	313	S*	3:33:02.61			-1.45

186.  


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2020-03-14 time: 15:05:35.43 UTC ML= 1.6  
lat: 47.100N lon: 18.203E h= 6.3 km  
erh= 1.3km erz= 1.9km  
nr= 28 gap= 66 rms=0.61  
Locality: Jenő  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	21.8	324	Pg	15:05:39.54			0.06
			Sg		05:42.56		-0.08
CSKK	29.5	8	Pg	15:05:41.01			0.19
			Sg		05:44.46		-0.56
TIH	32.5	227	Pg	15:05:41.60			0.27
			Sg		05:44.84		-1.10
PKSG	35.4	24	PgD	15:05:41.71			-0.13
			Sg		05:46.57		-0.27
MPLH	50.9	279	Pg	15:05:45.04			0.44
			Sg		05:51.45		-0.30
PKB1	57.0	128	Pg	15:05:46.12			0.45
			Sg		05:53.43		-0.22
PKB5	69.3	144	Pg	15:05:48.12			0.26
			Sg		05:57.02		-0.54
PKB4	73.8	156	Sg	15:05:59.27			0.30
PKB2	92.3	121	Pg	15:05:52.77			0.83
			Sg		06:03.49		-1.33
PKS2	102.6	131	Pg	15:05:54.79			1.01
MORH	104.0	161	Pg	15:05:53.84			-0.19
			Sg		06:06.23		-2.31
PKSM	104.3	161	Pg	15:05:53.75			-0.34
			Sg		06:06.58		-2.07
PKB3	106.8	135	Pg	15:05:54.73			0.20
			Sg		06:08.42		-1.00
PKSV	134.8	178	Pn	15:05:59.50			1.04
			Sn		06:15.68		-0.74
PSZ	156.5	54	Pn	15:06:00.85			-0.32
			Sn		06:20.63		-0.62

187.  


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2020-03-15 time: 15:06:04.08 UTC ML= 2.2  
lat: 45.516N lon: 17.692E h= 6.4 km  
erh= 3.6km erz= 2.7km  
nr= 25 gap=155 rms=0.84  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	60.2	47	Pg	15:06:15.47			0.59
			Sg		06:23.09		-0.22
BLY	94.2	205	Pg	15:06:21.07			0.14
			Sg		06:32.90		-1.18
PKSM	106.9	44	Pg	15:06:22.98			-0.22

## Hypocenter Parameters

		Sg	06:36.70	-1.41	
MORH	107.3	44	Pg	15:06:22.98	-0.30
		Sg	06:36.76	-1.50	
PKS9	127.4	21	Pn	15:06:26.55	0.37
		Sn	06:42.78	-0.64	
BEHE	127.6	326	Pn	15:06:26.92	0.71
		Sn	06:42.47	-1.00	
PKB4	129.9	33	Pn	15:06:27.32	0.83
		Sn	06:43.78	-0.18	
ZAG	136.8	285	Sn	15:06:44.32	-1.18
PTJ	141.6	288	Sn	15:06:44.95	-1.62
PKB5	144.6	34	Pn	15:06:29.37	1.05
		Sn	06:47.42	0.18	
KOGS	152.4	313	Sn	15:06:48.16	-0.80
PKB1	164.6	31	Sn	15:06:52.62	0.94
CRES	177.5	281	Pn	15:06:33.81	1.38
		Sn	06:53.82	-0.72	
PKS6	188.5	50	Pn	15:06:35.00	1.21
		Sn	06:55.22	-1.75	
PKST	195.5	8	Pn	15:06:35.04	0.36

188.

2020-03-15 time: 23:04:46.58 UTC ML= 1.2  
 lat: 46.455N lon: 19.562E h= 8.8 km  
 erh= 1.4km erz= 1.7km  
 nr= 23 gap=111 rms=0.53  
 Locality: Harkakötöny  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKS6	16.1	1	PgD	23:04:49.65			-0.20
			Sg	04:53.06			0.66
ID77	19.3	138	Pg	23:04:50.13			-0.23
			Sg	04:53.66			0.35
PKS2	27.1	279	Pg	23:04:51.61			-0.06
			Sg	04:55.86			0.21
PKB3	28.5	263	Pg	23:04:51.51			-0.39
			Sg	04:55.39			-0.66
PKB2	34.6	315	Pg	23:04:52.56			-0.39
			Sg	04:57.59			-0.34
ID50	40.2	351	Sg	23:04:58.80			-0.86
PKB1	69.4	302	Pg	23:05:00.03			0.96
PKB4	73.8	274	Pg	23:05:00.42			0.58
			Sg	05:10.19			0.00
MORH	75.6	249	Pg	23:05:00.39			0.23
			Sg	05:10.34			-0.41
PKSM	75.9	249	Pg	23:05:00.00			-0.22
			Sg	05:10.32			-0.55
PKS9	99.6	278	Pg	23:05:05.19			0.76
			Sg	05:17.89			-0.47
ID70	131.9	67	Sn	23:05:25.66			-0.71
PKSG	137.2	319	Pn	23:05:11.42			1.83
			Sn	05:27.27			-0.27

189.

2020-03-16 time: 9:37:34.74 UTC ML= 1.8  
 lat: 47.916N lon: 19.377E h= 0.0 km  
 erh= 3.2km erz= 3.3km  
 nr= 15 gap=107 rms=0.99  
 Locality: Becske  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	15.6	207	Pg	9:37:38.16			0.62
			Sg	37:40.42			0.71
PSZ	38.7	90	Pg	9:37:41.62			-0.03
			Sg	37:47.04			0.01
A338	77.3	278	Sg	9:37:59.76			0.44
PKSG	94.3	232	Sg	9:38:04.10			-0.60
KECS	103.8	53	Sg	9:38:06.05			-1.69
PKST	124.6	234	Pg	9:37:57.48			0.48
			Sg	38:13.35			-1.01
ABAH	145.0	73	Sn	9:38:22.95			3.50

## Földrengés paraméterek

MPLH	161.3	239	Sn	9:38:23.58	0.52
MODS	164.4	288	eSn	9:38:21.40	-2.34
NIE	180.8	22	Sn	9:38:29.07	1.67
MORH	197.0	196	Sn	9:38:29.89	-1.10
PKSM	197.5	196	Sn	9:38:29.99	-1.10

190.

2020-03-16 time: 10:17:50.79 UTC ML= 1.5  
 lat: 48.579N lon: 20.691E h= 0.0 km  
 erh= 2.7km erz= 882km  
 nr= 9 gap=109 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	18.6	235	Pg	10:17:53.95			-0.16
			Sg	17:56.52			-0.17
ABAH	51.4	128	Pg	10:18:00.30			0.33
			Sg	18:06.80			-0.32
PSZ	94.3	219	Pg	10:18:07.88			0.24
			Sg	18:20.45			-0.33
NIE	97.4	344	Pg	10:18:09.37			1.19
			Sg	18:20.09			-1.65
STHS	101.5	23	ePg	10:18:08.20			-0.72

191.

2020-03-16 time: 10:57:47.29 UTC ML= 1.5  
 lat: 47.329N lon: 18.454E h= 0.0 km  
 erh= 2.0km erz= 330km  
 nr= 7 gap=208 rms=0.23  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.5	326	PgU	10:57:48.94			0.13
			Sg	57:49.62			-0.37
CSKK	15.1	285	Pg	10:57:50.21			0.22
			Sg	57:52.04			-0.06
PKST	32.7	256	Pg	10:57:52.91			-0.22
MORH	124.6	173	Sg	10:58:27.26			0.36
PKSM	125.0	173	Sg	10:58:26.85			-0.18

192.

2020-03-16 time: 11:15:59.09 UTC ML= 2.0  
 lat: 47.323N lon: 18.424E h= 0.0 km  
 erh= 2.0km erz= 7.7km  
 nr= 15 gap= 84 rms=0.90  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.1	342	PgU	11:16:00.02			-0.51
			Sg	16:01.01			-0.65
CSKK	13.2	290	Pg	11:16:01.45			0.01
			Sg	16:03.18			-0.09
PKST	30.3	256	Pg	11:16:04.73			0.23
			Sg	16:08.62			-0.10
BUD	48.7	68	Sg	11:16:15.16			0.60
PKB5	84.3	164	Sg	11:16:26.41			0.53
PKB4	92.9	172	Sg	11:16:30.17			1.56
PKB3	115.9	150	Sg	11:16:36.43			0.50
MORH	124.2	172	Sg	11:16:36.94			-1.62
PKSM	124.6	172	Sg	11:16:36.89			-1.80
PSZ	128.9	59	Sg	11:16:39.44			-0.61
MODS	145.0	324	ePn	11:16:26.10			1.90
			eSn	16:40.50			-3.29



## Földrengés paraméterek

## Hypocenter Parameters

193.

2020-03-16 time: 23:44:57.24 UTC ML= 1.2  
 lat: 48.408N lon: 21.144E h= 18.4 km  
 erh= 2.0km erz= 1.2km  
 nr= 7 gap=184 rms=0.21  
 Locality: Novajidrány  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	14.3	150	Pg	23:45:01.47	0.08
			Sg	45:04.43	-0.21
KJX	45.8	282	Pg	23:45:06.27	0.23
KECS	49.4	280	Pg	23:45:06.66	0.01
			Sg	45:13.48	-0.51
ID58	55.8	235	Sg	23:45:16.09	0.17
TRPA	108.1	107	Sn	23:45:29.31	-0.25

194.

2020-03-17 time: 3:23:14.18 UTC ML= 1.8  
 lat: 48.391N lon: 22.564E h= 9.2 km  
 erh= 4.5km erz= 2.6km  
 nr= 8 gap=262 rms=0.50  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	29.0	184	Pg	3:23:19.42	-0.19
			Sg	23:23.98	0.13
ID53	66.4	227	Sg	3:23:34.73	-0.76
ABAH	98.7	264	Pg	3:23:32.03	0.14
			Sg	23:47.04	1.34
KJX	150.2	274	Sn	3:23:57.46	-0.50
DRGR	178.1	176	Pn	3:23:42.10	-0.16
			Sn	24:04.85	0.70

195.

2020-03-17 time: 9:18:18.48 UTC ML= 1.2  
 lat: 47.970N lon: 20.364E h= 0.0 km  
 erh= 4.2km erz= 654km  
 nr= 5 gap=200 rms=0.30  
 Locality: Szarvaskő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	35.6	261	Pg	9:18:25.05	0.22
			Sg	18:29.36	-0.42
KECS	57.8	9	Pg	9:18:29.07	0.28
			Sg	18:36.45	-0.39
ABAH	74.6	61	Sg	9:18:41.94	-0.24

196.

2020-03-17 time: 9:53:19.56 UTC ML= 0.8  
 lat: 46.162N lon: 18.302E h= 0.0 km  
 erh= 0.3km erz=73.9km  
 nr= 7 gap=171 rms=0.05  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	26.8	78	Pg	9:53:24.27	-0.07
			Sg	53:28.14	0.07
MORH	27.1	77	Pg	9:53:24.37	-0.03
			Sg	53:28.19	0.02
PKSV	30.7	187	Pg	9:53:25.03	-0.01
			Sg	53:29.36	0.05
PKS9	47.3	358	Sg	9:53:34.65	0.06

197.

2020-03-17 time: 10:06:15.98 UTC ML= 1.7  
 lat: 48.610N lon: 20.729E h= 0.0 km  
 erh= 1.9km erz= 629km  
 nr= 10 gap=110 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	232	Pg	10:06:20.42	0.35
			Sg	06:23.12	-0.13
ABAH	51.4	133	Pg	10:06:25.32	0.15
			Sg	06:32.31	-0.02
STHS	97.3	23	ePg	10:06:33.30	-0.05
			eSg	06:45.20	-1.70
PSZ	98.8	219	Pg	10:06:33.95	0.33
			Sg	06:45.95	-1.43
LANS	110.3	303	Pg	10:06:35.99	0.31
			Sg	06:50.14	-0.91

198.

2020-03-17 time: 10:22:10.93 UTC ML= 0.7  
 lat: 47.195N lon: 18.271E h= 0.0 km  
 erh= 0.8km erz= 224km  
 nr= 8 gap=143 rms=0.16  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.7	358	Pg	10:22:14.50	0.24
			Sg	22:16.90	0.04
PKST	19.2	292	Pg	10:22:14.39	0.02
			Sg	22:16.79	-0.26
PKSG	23.6	23	Pg	10:22:15.06	-0.09
			Sg	22:18.12	-0.32
MORH	112.6	165	Sg	10:22:46.77	0.05
PKSM	113.0	165	Sg	10:22:46.92	0.09

199.

2020-03-17 time: 17:13:15.97 UTC ML= 0.7  
 lat: 47.378N lon: 18.145E h= 7.4 km  
 erh= 0.3km erz= 0.5km  
 nr= 7 gap=156 rms=0.04  
 Locality: Nagyveleg  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.9	101	Pg	17:13:18.02	-0.01
			Sg	13:19.65	0.01
PKST	15.7	212	PgD	17:13:19.04	-0.03
			Sg	13:21.49	0.01
ID54	17.7	289	Sg	17:13:22.08	0.01
PKSG	18.6	85	Pg	17:13:19.60	0.06
			Sg	13:22.26	-0.07

200.

2020-03-18 time: 8:03:14.19 UTC ML= 1.0  
 lat: 47.355N lon: 18.428E h= 0.0 km  
 erh= 3.1km erz= 568km  
 nr= 7 gap=207 rms=0.39  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.0	326	PgU	8:03:15.13	0.06
			Sg	03:15.45	-0.32
CSKK	12.7	274	Pg	8:03:16.85	0.40
			Sg	03:18.23	0.02
PKST	31.6	250	Pg	8:03:20.04	0.21
			Sg	03:23.68	-0.55

## Hypocenter Parameters

## Földrengés paraméterek

PKSM 128.1 173 Sg 8:03:53.65 -1.26

201.

2020-03-18 time: 8:47:45.23 UTC ML= 1.5  
 lat: 48.061N lon: 20.688E h= 0.0 km  
 erh= 4.1km erz= 846km  
 nr= 6 gap=198 rms=0.50  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.7	57	Pg	8:47:53.88	-0.04
			Sg	48:00.49	-0.21
KECS	49.3	342	Pg	8:47:54.65	0.60
			Sg	48:00.00	-0.92
PSZ	61.3	255	Pg	8:47:56.48	0.30
			Sg	48:03.99	-0.73

202.

2020-03-18 time: 9:23:33.46 UTC ML= 1.9  
 lat: 47.339N lon: 18.414E h= 0.0 km  
 erh= 4.1km erz= 457km  
 nr= 5 gap=270 rms=0.25  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.1	343	PgU	9:23:34.53	-0.02
			Sg	23:35.01	-0.39
CSKK	11.9	283	Pg	9:23:35.93	0.35
			Sg	23:37.20	-0.04
PKST	30.1	253	Sg	9:23:42.80	-0.22

203.

2020-03-18 time: 10:39:58.41 UTC ML= 1.2  
 lat: 47.195N lon: 18.284E h= 0.0 km  
 erh= 2.5km erz= 681km  
 nr= 6 gap=146 rms=0.40  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.2	291	Pg	10:40:01.95	-0.06
			Sg	40:04.13	-0.70
PKSG	23.3	20	Sg	10:40:05.61	-0.20
MPLH	56.5	267	Pg	10:40:09.12	0.62
MORH	112.3	166	Sg	10:40:33.91	-0.20
PKSM	112.7	166	Sg	10:40:34.21	-0.02

204.

2020-03-18 time: 10:46:16.77 UTC ML= 1.8  
 lat: 48.611N lon: 20.729E h= 0.0 km  
 erh= 2.3km erz= 6.3km  
 nr= 12 gap= 89 rms=0.69  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	232	Pg	10:46:21.22	0.36
			Sg	46:24.17	0.12
ABAH	51.6	133	Pg	10:46:26.26	0.28
			Sg	46:32.36	-0.80
NIE	94.8	341	Pg	10:46:34.55	0.85
STHS	97.2	23	Pg	10:46:33.59	-0.53
PSZ	98.9	219	Pg	10:46:33.99	-0.43
			Sg	46:47.17	-1.02
LANS	110.2	303	Pg	10:46:36.94	0.49
			Sg	46:50.53	-1.27
TRPA	144.4	112	Pn	10:46:42.60	0.79
			Sn	46:58.57	-2.77

205.

2020-03-18 time: 10:53:29.52 UTC ML= 1.8  
 lat: 48.447N lon: 19.116E h= 0.0 km  
 erh= 3.8km erz= 8.8km  
 nr= 8 gap=181 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	74.1	170	Pg	10:53:42.63	-0.11
			Sg	53:53.01	-0.05
A338	74.3	230	Sg	10:53:52.64	-0.50
PSZ	82.5	135	Pg	10:53:45.07	0.81
			Sg	53:55.30	-0.45
KECS	101.4	88	Pg	10:53:47.91	0.28
			Sg	54:00.75	-1.00
MODS	136.3	267	ePn	10:53:53.60	0.05
			eSn	54:07.80	-4.50*

206.

2020-03-19 time: 10:20:39.03 UTC ML= 0.8  
 lat: 47.200N lon: 18.290E h= 0.0 km  
 erh= 3.6km erz= 447km  
 nr= 6 gap=269 rms=0.26  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.3	353	Pg	10:20:42.62	0.32
			Sg	20:44.22	-0.63
PKST	20.5	289	Pg	10:20:42.51	-0.17
			Sg	20:45.77	0.23
PKSG	22.7	20	Pg	10:20:43.02	-0.06
			Sg	20:46.28	0.04

207.

2020-03-19 time: 12:58:54.33 UTC ML= 1.6  
 lat: 47.890N lon: 20.135E h= 0.0 km  
 erh= 4.4km erz= 3.4km  
 nr= 8 gap=186 rms=0.58  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	18.3	280	Pg	12:58:57.95	0.36
			Sg	59:00.80	0.66
PENC	64.9	260	Pg	12:59:05.83	-0.08
			Sg	59:15.05	0.11
KECS	70.9	22	ePg	12:59:06.70	-0.29
			eSg	59:12.80	-4.07*
ABAH	93.8	61	Pg	12:59:11.64	0.56
			Sg	59:23.49	-0.66
PKSG	142.3	247	Sn	12:59:37.03	-1.40

208.

2020-03-20 time: 8:30:15.73 UTC ML= 1.7  
 lat: 47.721N lon: 19.994E h= 0.0 km  
 erh=11.4km erz= 8.4km  
 nr= 6 gap=272 rms=0.91  
 Locality: Adács  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	23.2	341	Pg	8:30:19.80	-0.07
			Sg	30:21.56	-1.54
PENC	54.0	278	Pg	8:30:26.63	1.26
			Sg	30:33.16	0.27
PKSG	126.1	253	Sg	8:30:54.80	-1.02
CSKK	136.4	253	Sn	8:30:58.21	-0.32

## Földrengés paraméterek

## Hypocenter Parameters

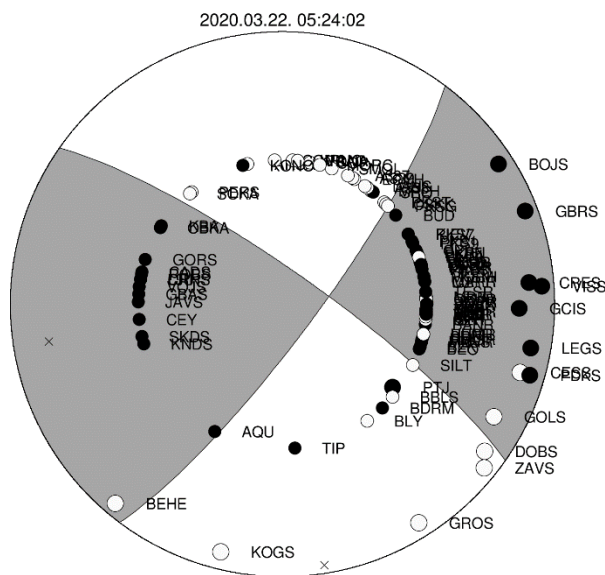
209.							
sta	dist	azm	phase	hr	mn	sec	res
PTJ	7.3	307	PgU	5:24:04.78			0.26
GCTIS	31.5	271	iPgC	5:24:09.02			0.64
2020-03-20 time: 11:19:39.13 UTC ML= 1.8							
lat: 48.881N lon: 21.294E h= 0.0 km							
erh= 2.8km erz= 3.4km							
nr= 13 gap= 81 rms=0.80							
Locality: Slovakia							
Comments: probably explosion							
sta	dist	azm	phase	hr	mn	sec	res
STHS	59.7	356	Pg	11:19:49.77			-0.03
			Sg	19:57.30			-0.82
ABAH	65.1	184	Pg	11:19:50.29			-0.47
			Sg	19:59.69			-0.14
KECS	74.1	233	Pg	11:19:52.37			0.00
			Sg	20:01.54			-1.16
NIE	93.3	310	Pg	11:19:55.68			-0.11
			Sg	20:08.42			-0.37
TRPA	124.2	132	Pg	11:20:01.51			0.20
KWP	132.5	51	Sn	11:20:19.64			-1.42
PSZ	149.0	224	Pn	11:20:06.12			1.38
			Sn	20:24.07			-0.64
OJC	184.1	324	Pn	11:20:10.66			1.54
210.							
2020-03-20 time: 22:49:23.93 UTC ML= 1.0							
lat: 47.652N lon: 16.525E h= 8.1 km							
erh= 2.7km erz= 1.8km							
nr= 12 gap=114 rms=0.64							
Locality: Görbehalomtelep							
Comments:							
sta	dist	azm	phase	hr	mn	sec	res
SOP	4.3	35	Pg	22:49:25.43			-0.14
			Sg	49:25.98			-0.86
RONA	18.0	287	PgU	22:49:28.02			0.57
			Sg	49:30.37			0.17
CONA	58.5	302	Sg	22:49:42.44			-0.25
EGYH	66.1	113	Pg	22:49:36.78			0.96
			Sg	49:45.29			0.19
ARSA	87.7	239	Sg	22:49:51.06			-0.88
MPLH	93.4	125	Sg	22:49:52.38			-1.35
PKST	121.9	111	Pn	22:49:45.59			0.46
			Sn	50:01.13			-0.54
KRUC	157.1	356	Sn	22:50:08.99			-0.49
211.							
2020-03-20 time: 23:09:53.74 UTC ML=-0.4							
lat: 47.354N lon: 18.297E h= 4.7 km							
erh= 2.1km erz= 1.4km							
nr= 5 gap=183 rms=0.03							
Locality: Csákberény							
Comments:							
sta	dist	azm	phase	hr	mn	sec	res
CSKK	3.0	291	PgU	23:09:54.75			0.03
			Sg	09:55.47			-0.02
PKSG	8.2	59	PgD	23:09:55.39			-0.04
			Sg	09:56.79			0.04
PKST	22.5	242	Sg	23:10:01.04			0.00
212.							
2020-03-22 time: 5:24:02.57 UTC ML= 5.7							
lat: 45.861N lon: 16.033E h= 8.1 km							
erh= 1.1km erz= 0.7km							
nr= 91 gap= 93 rms=0.54							
Locality: Croatia							
Comments: Felt							
sta	dist	azm	phase	hr	mn	sec	res
PTJ	7.3	307	PgU	5:24:04.78			0.26
GCTIS	31.5	271	iPgC	5:24:09.02			0.64
			iSg	24:12.94			0.03
GOLS	35.8	298	iPgD	5:24:09.66			0.53
			eSg	24:14.04			-0.21
CRES	44.9	265	PgU	5:24:11.18			0.45
CESS	46.0	286	iPgD	5:24:11.68			0.77
			eSg	24:17.20			-0.21
DOBS	54.2	306	iPgD	5:24:12.79			0.43
			iSg	24:18.45			-1.55
LEGS	56.4	280	iPgC	5:24:13.14			0.40
			eSg	24:19.60			-1.08
KOGS	67.4	14	PgD	5:24:14.93			0.23
BOJS	72.6	237	iPgC	5:24:15.52			-0.10
			eSg	24:24.92			-0.88
GROS	78.3	328	PgD	5:24:16.58			-0.06
PKKS	83.3	286	iPgC	5:24:17.64			0.12
			iSg	24:26.89			-2.28
BEHE	88.8	40	PgD	5:24:18.76			0.27
VISS	93.0	266	iPgC	5:24:18.87			-0.37
			eSg	24:29.79			-2.45
ZAVS	100.7	309	iPgD	5:24:20.38			-0.23
			iSg	24:30.65			-4.03*
GBRS	102.1	249	iPgC	5:24:20.65			-0.21
			iSg	24:34.16			-0.96
VNDS	106.6	285	iPg	5:24:21.32			-0.35
			eSg	24:36.13			-0.43
PERS	111.4	321	PnD	5:24:21.89			-0.57
LJU	118.5	280	iPnC	5:24:23.30			-0.05
			iSn	24:38.86			-0.69
SOKA	119.2	320	PnD	5:24:23.11			-0.32
GBAS	123.7	274	iPnC	5:24:24.02			0.02
			eSn	24:39.54			-1.17
CEY	125.6	264	iPnC	5:24:24.24			0.01
			eSn	24:40.14			-0.99
MOZS	132.1	291	iPn	5:24:25.59			0.55
			iSn	24:42.00			-0.56
KNDS	133.9	254	iPnC	5:24:25.44			0.17
			eSn	24:43.56			0.59
OBKA	135.4	302	PnU	5:24:25.70			0.25
CRNS	139.5	280	iPnC	5:24:26.52			0.56
			eSn	24:43.91			-0.30
JAVS	152.9	271	iPnC	5:24:28.05			0.42
			eSn	24:46.63			-0.55
BLY	153.0	144	PnD	5:24:28.10			0.45
ARSA	159.4	346	PnD	5:24:28.82			0.38
SKDS	161.1	257	iPnC	5:24:29.15			0.50
			eSn	24:49.45			0.46
GORS	165.3	288	iPnC	5:24:29.72			0.55
			eSn	24:49.48			-0.44
VOJS	167.5	277	iPnC	5:24:29.77			0.32
			eSn	24:51.93			1.52
PKSV	172.3	89	PnU	5:24:29.65			-0.40
CADS	182.4	283	iPnC	5:24:31.60			0.29
			eSn	24:54.48			0.76
TIH	183.9	51	Pn	5:24:31.35			-0.15
MPLH	185.9	38	PnD	5:24:31.59			-0.16
PKS9	191.1	65	PnU	5:24:31.95			-0.45
EGYH	199.6	30	PnD	5:24:33.68			0.23
ROBS	199.9	282	iPnC	5:24:33.67			0.17
			eSn	24:59.80			2.18
MYKA	203.3	295	Pn	5:24:34.83			0.91
			Sn	24:58.06			-0.31
RONA	205.4	6	PnD	5:24:34.63			0.45
PKSM	205.7	79	PnU	5:24:33.52			-0.69
MORH	205.9	79	PnU	5:24:33.62			-0.63
SOP	206.6	11	PnD	5:24:34.51			0.19
PKB4	210.7	70	PnU	5:24:34.02			-0.82
PKST	218.4	45	PnD	5:24:35.62			-0.18
PKB5	223.9	69	PnU	5:24:35.65			-0.84
CONA	230.2	357	PnD	5:24:37.79			0.51
PKB1	236.0	64	PnU	5:24:37.09			-0.90
CSKK	238.8	46	PnD	5:24:38.15			-0.19
KBA	246.9	303	PnU	5:24:40.21			0.86

Hypocenter Parameters

Földregés paraméterek

PKSG	248.1	47	PnD	5:24:39.41	-0.10
A339	251.4	29	PnD	5:24:40.46	0.54
PKB3	252.2	76	PnU	5:24:39.42	-0.59
PKS2	255.4	74	PnU	5:24:40.01	-0.40
MOA	258.9	329	Pn	5:24:42.18	1.33
			Sn	25:10.84	0.12
PKB2	263.4	70	Pn	5:24:41.10	-0.31
BIOA	273.6	318	Pn	5:24:43.54	0.85
			Sn	25:14.62	0.64
PKS7	274.1	61	PnU	5:24:41.89	-0.86
SRO	278.2	39	PnU	5:24:43.42	0.17
PKS6	284.5	73	PnU	5:24:43.31	-0.74
ABTA	288.6	290	Pn	5:24:45.41	0.86
PBUD	289.5	52	Pn	5:24:44.36	-0.31
BUD	291.4	52	PnU	5:24:43.68	-1.22
MODS	294.9	19	ePn	5:24:45.20	-0.14
			eSn	25:14.90	-3.80*
A337	296.7	27	PnD	5:24:45.64	0.08
A338	297.6	36	PnD	5:24:45.87	0.20
FRGS	306.0	105	PnU	5:24:46.70	-0.03*
SMOL	313.4	20	PnD	5:24:47.41	-0.23*
PKSN	316.7	69	PnU	5:24:47.40	-0.65*
BBLS	346.8	130	PnD	5:24:52.93	1.12*
KRUC	357.0	4	PnD	5:24:53.11	0.03*
BEO	365.3	108	PnU	5:24:54.00	-0.12*
WTTA	371.5	295	Pn	5:24:56.42	1.53*
PSZ	372.7	52	Pn	5:24:54.26	-0.78*
WATA	378.8	296	Pn	5:24:57.48	1.67*
			Sn	25:38.59	1.26*
TREC	384.0	354	ePn	5:24:57.60	1.15*
VRAC	385.6	6	PnD	5:24:56.62	-0.03*
SQTA	399.8	292	Pn	5:24:59.72	1.31*
			Sn	25:44.60	2.63*
BANR	401.5	98	PnC	5:25:00.07	1.44*
TIM	403.6	92	PnD	5:24:59.49	0.60*
KHC	408.0	333	ePn	5:25:01.00	1.56*
			eSn	25:42.60	-1.19*
MOTA	412.2	294	Pn	5:25:01.53	1.57*
			Sn	25:46.81	2.09*
ZVC	421.2	341	ePn	5:25:02.30	1.21*
FETA	427.5	288	Pn	5:25:03.32	1.44*
			Sn	25:50.58	2.44*
BZS	435.4	94	PnU	5:25:02.66	-0.20*
RETA	442.0	294	Pn	5:25:04.78	1.10*
AQU	443.0	208	PnU	5:25:04.43	0.63*
LANS	448.0	35	PnD	5:25:04.84	0.41*
MORC	449.9	15	PnD	5:25:05.12	0.46*
MDVR	461.2	105	PnC	5:25:07.05	0.98*
BORR	462.5	73	PnC	5:25:08.27	2.04*
OKC	469.6	20	ePn	5:25:07.20	0.07*
KRLC	472.0	7	ePn	5:25:08.40	0.99*
PRU	472.3	346	ePn	5:25:08.00	0.54*
			eSn	26:18.80	20.73*
PRA	483.1	346	ePn	5:25:10.30	1.50*
DAVA	497.6	289	Pn	5:25:11.88	1.27*
			Sn	26:04.19	0.50*
DPC	499.7	2	ePn	5:25:12.10	1.23*
			eSn	26:26.00	21.86*
HERR	511.7	102	PnD	5:25:12.84	0.46*
UPC	516.7	360	ePn	5:25:13.30	0.31*
DRGR	524.6	79	Pn	5:25:13.39	-0.59*
GZR	528.5	96	PnC	5:25:14.93	0.47*
PVCC	530.3	348	ePn	5:25:16.10	1.41*
CEI	531.0	68	PnC	5:25:15.27	0.49*
DEV	533.4	90	PnD	5:25:15.85	0.77*
RMGR	539.4	104	PnC	5:25:17.16	1.34*
MESR	549.9	75	PnC	5:25:17.58	0.45*
MARR	553.7	81	PnC	5:25:18.17	0.56*
NKC	554.8	331	eSn	5:26:13.20	-3.19*
SRE	578.5	103	PnC	5:25:22.84	2.14*
CJR	590.7	81	PnC	5:25:22.71	0.49*
BMR	604.7	71	PnD	5:25:24.63	0.66*
LOT	604.8	94	PnD	5:25:24.49	0.51*
TNR	641.5	92	PnC	5:25:29.53	0.97*
MDB	647.4	87	PnD	5:25:30.76	1.47*

ARR	673.1	95	PnD	5:25:34.05	1.55*
VOIR	704.5	94	PnC	5:25:37.92	1.51*
HUMR	718.5	102	PnD	5:25:39.11	0.95*
DOPR	726.0	89	PnD	5:25:40.16	1.07*
BURA	728.5	74	PnC	5:25:40.67	1.27*
TIP	744.6	175	PnC	5:25:42.58	1.16*
OZUR	756.3	88	PnD	5:25:43.70	0.83*
MLR	773.4	93	PnD	5:25:46.32	1.32*
NEHR	801.5	93	PnC	5:25:50.02	1.52*
TESR	822.8	85	PnC	5:25:51.87	0.71*
PLOR	824.6	90	PnD	5:25:51.91	0.53*
ISR	825.8	96	PnD	5:25:53.09	1.56*
VRI	830.5	90	PnC	5:25:52.71	0.59*
CFR	948.7	95	PnD	5:26:08.02	1.16*
TLCR	1.4	94	PnC	5:26:14.44	1.00*
KIEV	115.9	61	PnC	5:26:28.18	0.47*
SILT	218.6	115	PnD	5:26:40.58	0.07*
BDRM	364.9	136	PnC	5:26:59.49	0.73*
BZK	507.2	107	PnC	5:27:14.94	-1.56*
KONO	594.8	344	PnC	5:27:23.73	-3.69*



213.

2020-03-22 time: 5:29:35.06 UTC ML= 4.1  
 lat: 45.879N lon: 16.014E h= 9.4 km  
 erh= 1.2km erz= 0.8km  
 nr= 66 gap= 91 rms=0.60  
 Locality: Croatia  
 Comments: Felt

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.9	299	PgU	5:29:36.83			-0.11
			Sg	29:38.08			-0.33
GCIS	30.0	268	iPgC	5:29:41.02			0.35
			iSg	29:44.79			-0.25
GOLS	33.5	296	iPg	5:29:41.65			0.38
			iSg	29:46.04			-0.08
CRES	43.6	262	Pg	5:29:43.23			0.21
			Sg	29:49.04			-0.20
CESS	44.0	284	iPg	5:29:43.87			0.79
			eSg	29:49.24			-0.10
DOBS	51.8	306	iPgD	5:29:44.81			0.36
			iSg	29:51.44			-0.34
LEGS	54.5	278	iPg	5:29:45.17			0.23
			iSg	29:51.58			-1.07
KOGS	65.9	16	PgU	5:29:47.24			0.30
			Sg	29:55.35			-0.85
BOJS	72.5	235	ePg	5:29:47.77			-0.34
GROS	75.8	329	PgD	5:29:48.67			-0.03

## Földrengés paraméterek

## Hypocenter Parameters

		Sg	29:57.76	-1.58	
PKKS	81.3	284	iPg	5:29:49.65	-0.02
BEHE	88.2	42	Pg	5:29:51.28	0.38
		Sg	30:03.23	-0.02	
VISS	91.6	265	iPg	5:29:51.29	-0.21
		iSg	30:04.94	0.62	
ZAVS	98.2	309	iPg	5:29:52.48	-0.19
		eSg	30:04.19	-2.22	
VNDS	104.6	284	iPg	5:29:53.39	-0.43
		iSg	30:07.99	-0.46	
PERS	108.9	321	PnD	5:29:53.96	-0.51
		Sn	30:07.15	-2.47	
SOKA	116.6	320	PnD	5:29:55.13	-0.31
		Sn	30:10.18	-1.16	
LJU	116.7	279	iPn	5:29:55.38	-0.06
		iSn	30:11.25	-0.09	
OBKA	133.0	302	Pn	5:29:59.08	1.60
		Sn	30:14.45	-0.52	
KNDS	133.0	253	iSn	5:30:15.64	0.67
BLY	155.6	144	PnU	5:30:00.45	0.16
		Sn	30:19.41	-0.56	
ARSA	157.0	346	Pn	5:30:01.43	0.96
		Sn	30:21.11	0.81	
PKSV	173.8	90	PnU	5:30:01.92	-0.64
		Sn	30:20.87	-3.15*	
TIH	183.8	52	Pn	5:30:04.14	0.33
MPLH	185.2	39	Pn	5:30:04.24	0.25
		Sn	30:27.24	0.68	
PKS9	191.7	66	Pn	5:30:04.22	-0.57
EGYH	198.6	31	Pn	5:30:06.37	0.72
MYKA	201.0	295	Pn	5:30:07.05	1.09
RONA	203.6	6	Pn	5:30:07.36	1.08
SOP	204.9	12	PnD	5:30:07.65	1.21
PKSM	206.7	80	Pn	5:30:05.92	-0.75
MORH	207.0	80	PnD	5:30:05.90	-0.81
PKB4	211.4	71	Pn	5:30:07.67	0.41
PKST	218.0	45	Pn	5:30:07.84	-0.24
PKB5	224.6	69	Pn	5:30:08.08	-0.81
CONA	228.1	357	Pn	5:30:10.29	0.95
PKB1	236.5	65	Pn	5:30:09.46	-0.92
KBA	244.5	303	Pn	5:30:12.64	1.26
PKSG	247.8	47	Pn	5:30:12.23	0.43
PKB3	253.1	76	Pn	5:30:11.47	-0.99
PKS2	256.3	75	Pn	5:30:12.11	-0.74
		Sn	30:40.21	-2.11	
ZST	270.6	18	Pn	5:30:14.97	0.34
PKS6	285.4	74	Sn	5:30:46.64	-2.15*
A337	295.6	27	Sn	5:30:50.08	-0.97*
A338	296.8	37	Sn	5:30:50.08	-1.25*
FRGS	308.0	106	Pn	5:30:19.12	-0.18*
		Sn	30:51.14	-2.67*	
KRUC	355.0	5	Pn	5:30:25.55	0.39*
		Sn	31:02.00	-2.25*	
PSZ	372.6	53	Pn	5:30:27.18	-0.18*
		Sn	31:08.66	0.50*	
VRAC	383.8	7	Pn	5:30:29.11	0.36*
		Sn	31:07.90	-2.73*	
KHC	405.5	333	ePn	5:30:32.60	1.15*
		eSn	31:14.00	-1.44*	
ZVC	418.8	341	ePn	5:30:35.00	1.89*
		eSn	31:16.10	-2.30*	
BZS	437.0	94	Pn	5:30:35.07	-0.31*
MORC	448.3	15	Pn	5:30:37.87	1.08*

214.

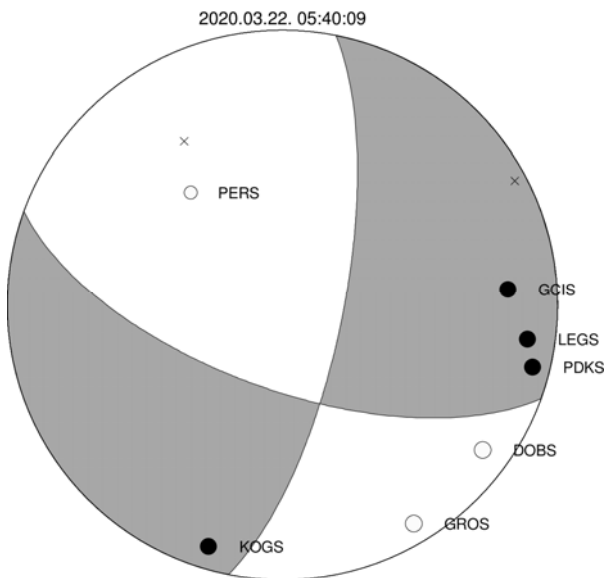
2020-03-22 time: 5:40:09.65 UTC ML= 3.0  
 lat: 45.884N lon: 16.003E h= 10.2 km  
 erh= 1.2km erz= 0.8km  
 nr= 58 gap= 54 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	3.9	297	Pg	5:40:11.38			-0.21

		Sg	40:12.24	-0.87	
ZAG	6.2	186	Pg	5:40:12.02	0.25
		Sg	40:12.94	-0.49	
GCIS	29.2	266	iPgC	5:40:15.64	0.47
		iSg	40:19.38	-0.09	
GOLS	32.5	296	iPg	5:40:16.17	0.44
CRÉS	42.9	261	iPg	5:40:17.80	0.28
		iSg	40:23.90	0.25	
CESS	43.0	283	iPg	5:40:18.28	0.74
		iSg	40:23.78	0.09	
DOBS	50.7	306	iPgD	5:40:19.33	0.44
		iSg	40:26.06	-0.04	
LEGS	53.6	278	iPgC	5:40:19.81	0.42
		iSg	40:26.71	-0.28	
KOGS	65.5	17	iPgC	5:40:21.80	0.31
		iSg	40:29.73	-1.00	
BOJS	72.1	234	iPg	5:40:22.45	-0.20
		iSg	40:32.32	-0.48	
GROS	74.9	329	iPgD	5:40:23.18	0.04
PKKS	80.3	284	iPgC	5:40:24.27	0.17
BEHE	88.4	43	Pg	5:40:25.44	-0.09
VISS	90.8	264	iPg	5:40:25.69	-0.28
		eSg	40:38.71	0.02	
ZAVS	97.2	309	iPg	5:40:27.03	-0.07
		iSg	40:38.82	-1.88	
GBRS	100.8	247	iPg	5:40:27.30	-0.44
VNDS	103.7	283	iP*	5:40:27.89	-0.32
		iS*	40:41.38	-1.31	
PERS	107.9	321	iPnD	5:40:28.50	-0.34
		eSn	40:41.32	-2.49	
SOKA	115.6	320	Pn	5:40:29.69	-0.11
		Sn	40:43.81	-1.71	
OBKA	132.0	302	Pn	5:40:32.92	1.08
		Sn	40:48.99	-0.16	
ARSA	156.3	346	Pn	5:40:35.76	0.89
		Sn	40:55.82	1.28	
BLY	156.5	144	Pn	5:40:35.21	0.31
PKSV	174.6	90	Pn	5:40:36.59	-0.57
MPLH	185.3	40	Pn	5:40:38.42	-0.07
PKS9	192.2	66	Pn	5:40:38.79	-0.56
EGYH	198.5	31	Pn	5:40:40.98	0.85
MYKA	200.0	294	Pn	5:40:42.19	1.87
RONA	203.1	6	Pn	5:40:41.60	0.90
SOP	204.5	12	Pn	5:40:41.41	0.53
PKSM	207.5	80	Pn	5:40:40.58	-0.67
MORH	207.8	80	Pn	5:40:40.48	-0.81
PKB4	212.0	71	Pn	5:40:42.13	0.31
PKST	218.2	46	Pn	5:40:42.43	-0.16
PKB5	225.1	69	Pn	5:40:42.43	-1.03
CONA	227.5	357	Pn	5:40:45.13	1.38
KBA	243.5	303	Pn	5:40:47.08	1.34
PKSG	248.1	47	Pn	5:40:46.32	0.01
PKB3	253.8	76	Pn	5:40:46.16	-0.87
BIOA	270.1	318	Pn	5:40:50.23	1.17
ZST	270.3	18	Pn	5:40:49.92	0.84
ABTA	285.4	290	Pn	5:40:52.81	1.84
MODS	293.2	19	ePn	5:40:51.90	-0.04
		eSn	41:21.80	-3.13*	
FRGS	309.0	106	Pn	5:40:53.65	-0.26*
KRUC	354.5	5	Pn	5:40:59.88	0.29*
		Sn	41:36.24	-2.30*	
WTTA	368.2	295	Pn	5:41:03.50	2.21*
TREC	381.2	354	ePn	5:41:03.60	0.69*
		eSn	41:58.70	14.24*	
BZS	437.9	94	Pn	5:41:09.58	-0.40*
MORC	447.9	15	Pn	5:41:11.82	0.59*
DRGR	526.3	79	Pn	5:41:20.40	-0.61*

Hypocenter Parameters

Földrengés paraméterek



216.  
 2020-03-22 time: 5:50:49.14 UTC ML= 2.4  
 lat: 45.875N lon: 16.004E h= 9.2 km  
 erh= 1.3km erz= 1.1km  
 nr= 42 gap= 54 rms=0.60  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.5	307	Pg	5:50:50.76	-0.22
			Sg	50:51.64	-0.78
ZAG	5.2	189	Pg	5:50:51.46	0.42
			Sg	50:52.09	-0.43
GCIS	29.3	268	iPgC	5:50:55.02	0.39
			iSg	50:59.64	0.74
GOLS	33.1	297	iPg	5:50:55.66	0.38
			iSg	51:00.15	0.09
CRES	42.9	263	iPg	5:50:57.18	0.20
			iSg	51:03.59	0.50
CESS	43.4	285	iPg	5:50:57.71	0.65
			iSg	51:03.32	0.08
DOBS	51.4	306	iPgD	5:50:58.77	0.29
			iSg	51:05.52	-0.24
LEGS	53.9	279	iPgD	5:50:59.30	0.39
			iSg	51:04.92	-1.61
KOGS	66.4	17	iPg	5:51:01.10	-0.02
			iSg	51:09.48	-0.99
BOJS	71.7	235	iPg	5:51:01.94	-0.11
			iSg	51:11.65	-0.46
GROS	75.8	329	iPgD	5:51:02.57	-0.21
PDKS	80.7	285	iPg	5:51:03.74	0.09
			eSg	51:12.98	-1.98
BEHE	89.0	42	Pg	5:51:06.20	1.08
			Sg	51:17.64	0.06
VISS	90.9	265	iPg	5:51:05.06	-0.39
			iSg	51:18.10	-0.08
ZAVS	97.9	309	iPg	5:51:06.39	-0.32
GBRS	100.6	248	iPg	5:51:06.75	-0.43
VNDS	104.0	284	iSg	5:51:21.17	-1.18
SOKA	116.5	320	Pn	5:51:08.79	-0.73
OBKA	132.6	302	Pn	5:51:12.59	1.06
			Sn	51:29.29	0.30
BLY	155.7	144	Pn	5:51:14.88	0.47
ARSA	157.3	346	Pn	5:51:15.11	0.51
PKSV	174.5	90	Pn	5:51:15.95	-0.80
			Sn	51:35.14	-3.15*
RONA	204.0	6	Pn	5:51:21.23	0.79
PKSM	207.5	80	Pn	5:51:19.87	-1.00
MORH	207.8	80	Pn	5:51:19.75	-1.16
CONA	228.5	357	Pn	5:51:24.59	1.10
PKS7	275.3	62	Pn	5:51:29.05	-0.27
MODS	294.1	19	ePn	5:51:32.50	0.84
			eSn	52:01.30	-3.53*
KHC	405.5	333	ePn	5:51:46.10	0.54*
			eSn	52:28.20	-1.36*
ZVC	418.9	341	ePn	5:51:48.60	1.37*
			eSn	52:29.70	-2.84*

215.  
 2020-03-22 time: 5:46:35.26 UTC ML= 2.4  
 lat: 45.891N lon: 16.001E h= 8.3 km  
 erh= 1.5km erz= 1.5km  
 nr= 34 gap= 54 rms=0.59  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.5	287	Pg	5:46:36.64	-0.23
ZAG	6.9	185	Pg	5:46:37.27	0.08
GCIS	29.1	265	iPgC	5:46:40.95	0.28
			iSg	46:45.23	0.34
GOLS	32.1	295	iPgD	5:46:41.56	0.38
			iSg	46:45.74	-0.06
CESS	42.7	282	iPg	5:46:43.64	0.61
			iSg	46:49.22	0.13
CRES	42.9	260	iPg	5:46:43.07	0.01
			eSg	46:49.87	0.72
DOBS	50.2	305	iPg	5:46:44.70	0.35
			iSg	46:50.62	-0.82
LEGS	53.4	277	iPg	5:46:45.11	0.20
			iSg	46:51.21	-1.23
KOGS	64.8	17	iPg	5:46:47.03	0.09
			iSg	46:55.44	-0.60
BOJS	72.5	234	iPg	5:46:47.99	-0.30
GROS	74.2	329	iPgD	5:46:48.50	-0.09
PDKS	80.0	284	iPg	5:46:49.57	-0.06
			iSg	46:58.91	-1.93
BEHE	87.9	43	Pg	5:46:52.18	1.16
VISS	90.8	264	iPg	5:46:51.15	-0.39
			iSg	47:04.06	-0.18
ZAVS	96.6	309	iPg	5:46:52.40	-0.18
SOKA	115.0	320	Pn	5:46:55.09	-0.49
OBKA	131.5	302	Pn	5:46:58.56	0.93
ARSA	155.5	346	Pn	5:47:01.08	0.45
BLY	157.2	144	Pn	5:47:01.69	0.85
PKSV	174.7	90	Pn	5:47:01.83	-1.19
RONA	202.3	6	Pn	5:47:06.74	0.27
PKSM	207.4	80	Pn	5:47:05.87	-1.23
MORH	207.7	80	Pn	5:47:05.79	-1.35
CONA	226.7	357	Pn	5:47:10.29	0.78
MOA	254.8	329	Pn	5:47:14.19	1.18
KHC	403.8	333	ePn	5:47:32.30	0.71*
			eSn	48:14.40	-1.13*
ZVC	417.2	341	eSn	5:48:15.00	-3.50*

217.  
 2020-03-22 time: 5:53:30.85 UTC ML= 2.5  
 lat: 45.881N lon: 16.017E h= 8.6 km  
 erh= 1.1km erz= 0.8km  
 nr= 52 gap= 54 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.0	295	Pg	5:53:32.56	-0.07
			Sg	53:33.49	-0.52
ZAG	6.0	197	Pg	5:53:33.30	0.57
			Sg	53:34.19	0.00
GCIS	30.3	267	iPgC	5:53:36.82	0.35
			iSg	53:40.62	-0.23

## Földrengés paraméterek

## Hypocenter Parameters

GOLS	33.7	295	iPg	5:53:37.42	0.36
			iSg	53:41.75	-0.14
CRES	43.9	262	iPg	5:53:38.99	0.15
			iSg	53:45.28	0.21
CESS	44.1	283	iPg	5:53:39.49	0.61
			iSg	53:45.04	-0.11
DOBS	51.8	305	iPg	5:53:40.51	0.27
			eSg	53:47.23	-0.33
LEGS	54.7	278	iPg	5:53:41.03	0.28
			iSg	53:47.51	-0.96
KOGS	65.6	16	iPg	5:53:43.00	0.34
			iSg	53:51.02	-0.85
BOJS	72.8	235	iPg	5:53:43.98	0.03
			iSg	53:53.27	-0.89
GROS	75.7	328	iPg	5:53:44.35	-0.11
PDKS	81.5	284	iPg	5:53:45.45	-0.03
BEHE	87.9	42	Pg	5:53:46.30	-0.32
			Sg	53:58.38	-0.54
VISS	91.9	265	ePg	5:53:46.91	-0.42
ZAVS	98.2	309	iPg	5:53:48.27	-0.19
			eSg	53:59.96	-2.24
SOKA	116.6	319	Pn	5:53:50.74	-0.59
			Sn	54:05.44	-1.86
OBKA	133.1	302	Pn	5:53:54.15	0.77
			Sn	54:10.06	-0.90
BLY	155.6	144	Pn	5:53:56.41	0.22
ARSA	156.9	346	Pn	5:53:57.07	0.72
			Sn	54:16.41	0.18
PKSV	173.5	90	Pn	5:53:57.87	-0.56
			Sn	54:17.13	-2.81*
MPLH	184.9	39	Pn	5:54:00.37	0.53
MYKA	201.2	294	Pn	5:54:02.59	0.72
RONA	203.3	6	Pn	5:54:02.92	0.78
SOP	204.6	12	Pn	5:54:03.47	1.17
PKSM	206.5	80	Pn	5:54:01.75	-0.78
			Sn	54:24.24	-3.00*
MORH	206.7	80	Pn	5:54:01.67	-0.90
			Sn	54:24.18	-3.13*
PKB4	211.1	71	Pn	5:54:03.10	-0.01
PKST	217.7	45	Pn	5:54:03.71	-0.22
CONA	227.9	357	Pn	5:54:06.38	1.17
KBA	244.6	303	Pn	5:54:07.90	0.62
MOA	256.3	329	Pn	5:54:09.61	0.86
			Sn	54:37.59	-0.72
ZST	270.3	18	Pn	5:54:11.30	0.81
BIOA	271.1	318	Pn	5:54:11.92	1.33
ABTA	286.6	290	Pn	5:54:13.01	0.49
MODS	293.2	19	ePn	5:54:14.40	1.06
			eSn	54:43.10	-3.38*
KHC	405.4	333	ePn	5:54:28.30	0.97*
			eSn	55:10.20	-1.19*
ZVC	418.6	341	ePn	5:54:29.10	0.11*
			eSn	55:11.40	-2.93*

218.

2020-03-22 time: 6:01:19.52 UTC ML= 5.2  
 lat: 45.892N lon: 16.016E h= 8.4 km  
 erh= 0.9km erz= 0.6km  
 nr=109 gap= 54 rms=0.64  
 Locality: Croatia  
 Comments: Felt

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.6	282	Pg	6:01:21.20			-0.03
			Sg	01:22.30			-0.27
ZAG	7.2	194	Pg	6:01:22.02			0.53
			Sg	01:22.83			-0.21
GCIS	30.3	265	iPgD	6:01:25.54			0.41
			iSg	01:29.79			0.28
GOLS	33.1	294	iPgD	6:01:26.08			0.46
			iSg	01:30.67			0.29
CESS	43.8	282	iPgD	6:01:27.96			0.47
			iSg	01:33.76			0.06
CRES	44.0	260	Pg	6:01:27.96			0.44

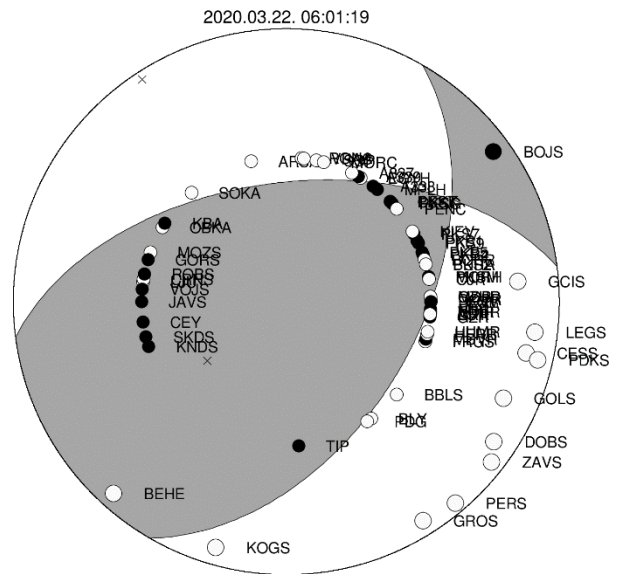
			Sg	01:33.78	0.01
DOBS	51.1	304	iPgD	6:01:29.21	0.44
			iSg	01:36.16	0.17
LEGS	54.5	277	iPgD	6:01:29.73	0.36
			eSg	01:36.22	-0.84
KOGS	64.4	16	PgD	6:01:31.44	0.32
			Sg	01:40.05	-0.13
BOJS	73.5	234	iPgC	6:01:32.39	-0.33
			iSg	01:41.20	-1.82
GROS	74.7	328	PgD	6:01:33.07	0.13
			Sg	01:42.71	-0.70
PDKS	81.1	283	iPgD	6:01:34.14	0.06
			iSg	01:43.71	-1.73
BEHE	87.0	42	PgD	6:01:35.56	0.43
			Sg	01:45.16	-2.15
VISS	91.9	264	iPg	6:01:35.72	-0.28
			eSg	01:45.84	-3.02*
ZAVS	97.5	308	iPgD	6:01:36.87	-0.12
			iSg	01:48.77	-1.84
GBRS	102.1	247	iPg	6:01:37.44	-0.37
			eSg	01:50.86	-1.22
VNDS	104.5	283	iPg	6:01:37.87	-0.37
			iSg	01:52.72	-0.12
PERS	107.9	320	PgD	6:01:38.37	-0.48
			Sg	01:51.96	-1.97
SOKA	115.7	319	PnD	6:01:39.56	-0.34
			Sn	01:54.65	-1.15
LJU	116.6	278	iPnD	6:01:39.88	-0.14
			iSn	01:55.30	-0.70
GBAS	122.2	272	iPn	6:01:40.61	-0.10
			iSn	01:56.00	-1.24
CEY	124.7	262	iPnC	6:01:41.02	0.00
			iSn	01:57.38	-0.42
MOZS	129.6	290	iPnD	6:01:42.01	0.38
			eSn	01:59.21	0.33
OBKA	132.4	301	PnD	6:01:42.70	0.71
			Sn	01:59.66	0.15
KNDS	133.6	252	iPnC	6:01:42.74	0.60
			eSn	02:00.04	0.26
CRNS	137.6	279	iPnD	6:01:43.13	0.50
			eSn	01:59.92	-0.74
JAVS	151.5	270	iPnC	6:01:44.87	0.51
			eSn	02:03.77	0.03
ARSA	155.7	346	PnD	6:01:45.47	0.58
			Sn	02:05.79	1.11
BLY	156.6	144	PnD	6:01:44.94	-0.06
			Sn	02:04.14	-0.74
SKDS	160.5	256	iPnC	6:01:46.04	0.55
			eSn	02:07.19	1.45
GORS	162.9	287	iPnC	6:01:46.50	0.71
			eSn	02:06.80	0.52
VOJS	165.7	275	iPnC	6:01:46.62	0.48
			eSn	02:08.58	1.68
PKSV	173.6	90	PnU	6:01:46.59	-0.53
			Sn	02:05.89	-2.75*
CADS	180.3	282	ePn	6:01:48.55	0.60
			eSn	02:11.49	1.35
TIH	182.8	52	Pn	6:01:48.14	-0.12
MPLH	184.0	39	PnU	6:01:48.50	0.08
PKS9	190.9	66	PnU	6:01:48.75	-0.53
EGYH	197.2	31	PnD	6:01:50.93	0.86
			Sn	02:14.30	0.40
ROBS	197.9	281	iPnC	6:01:50.57	0.42
			eSn	02:16.95	2.91*
MYKA	200.6	294	Pn	6:01:51.61	1.12
			Sn	02:14.41	-0.24
RONA	202.1	6	PnD	6:01:51.38	0.70
SOP	203.4	12	PnD	6:01:51.57	0.73
PKSM	206.3	80	PnU	6:01:50.44	-0.76
MORH	206.6	80	PnU	6:01:50.45	-0.78
			Sn	02:13.25	-2.72*
PKB4	210.8	71	PnU	6:01:50.92	-0.84
PKST	216.9	46	PnU	6:01:52.60	0.08
PKB5	223.9	70	PnU	6:01:52.59	-0.80
CONA	226.7	357	Pn	6:01:54.65	0.91

### Hypocenter Parameters

PKB1	235.7	65	PnU	6:01:54.03	-0.83
CSKK	237.3	46	PnU	6:01:55.08	0.02
KBA	243.9	303	PnU	6:01:56.96	1.08
PKSG	246.7	47	PnU	6:01:56.24	0.00
A339	249.1	30	PnU	6:01:57.39	0.86
PKB3	252.6	76	Pn	6:01:56.30	-0.67
MOA	255.3	328	Pn	6:01:58.71	1.40
			Sn	02:26.49	-0.29
PKS2	255.7	75	PnU	6:01:56.94	-0.41
			Sn	02:24.87	-2.00
PKB2	263.4	71	PnU	6:01:57.37	-0.95
ZST	269.2	18	Pn	6:01:59.73	0.69
BIOA	270.2	318	Pn	6:02:00.34	1.18
PKS7	273.6	62	PnU	6:01:58.73	-0.86
SRO	276.3	39	Pn	6:02:00.54	0.62
PKS6	284.8	74	Pn	6:02:00.31	-0.67
			Sn	02:31.10	-2.22*
ABTA	286.1	289	Pn	6:02:02.06	0.91
PBUD	288.4	53	Sn	6:02:33.83	-0.30
BUD	290.3	52	Pn	6:02:00.42	-1.25
MODS	292.0	19	ePn	6:02:02.10	0.21
			eSn	02:31.90	-3.04*
A337	294.2	27	PnD	6:02:02.93	0.77
			Sn	02:34.25	-1.17*
A338	295.6	37	PnU	6:02:02.76	0.43
			Sn	02:35.09	-0.63*
FRGS	308.2	106	PnD	6:02:03.85	-0.05*
			Sn	02:35.44	-3.08*
SMOL	310.5	20	Pn	6:02:04.69	0.49*
			Sn	02:36.42	-2.62*
PKSN	316.6	69	Pn	6:02:04.33	-0.62*
PENC	326.5	50	PnD	6:02:06.39	0.20*
BBL5	350.0	130	PnD	6:02:09.96	0.84*
KRUC	353.6	5	Pn	6:02:10.00	0.43*
BEO	367.6	109	Pn	6:02:11.14	-0.18*
WTTA	368.8	294	Pn	6:02:13.32	1.87*
			Sn	02:54.36	2.40*
PSZ	371.6	53	Pn	6:02:11.49	-0.32*
			Sn	02:52.25	-0.35*
WATA	376.1	295	Pn	6:02:14.28	1.91*
			Sn	02:55.53	1.94*
TREC	380.5	354	ePn	6:02:14.20	1.29*
VRAC	382.3	7	PnD	6:02:13.52	0.37*
SQTA	397.2	292	Pn	6:02:17.25	2.25*
			Sn	03:00.62	2.35*
KHC	404.3	333	ePn	6:02:17.40	1.52*
			eSn	02:58.90	-0.95*
MOTA	409.5	293	Pn	6:02:18.31	1.78*
			Sn	03:03.09	2.08*
ZVC	417.5	341	ePn	6:02:19.40	1.87*
			eSn	03:01.00	-1.78*
FETA	425.1	287	Pn	6:02:21.09	2.61*
			Sn	03:07.19	2.71*
BZS	436.9	94	Pn	6:02:19.74	-0.21*
RETA	439.3	294	Pn	6:02:21.65	1.40*
			Sn	03:08.97	1.35*
KECS	444.7	50	Pn	6:02:20.81	-0.12*
AQU	445.3	208	Pn	6:02:21.12	0.12*
LANS	445.9	36	Pn	6:02:21.75	0.67*
MORC	446.8	15	PnD	6:02:22.34	1.15*
			Sn	03:07.76	-1.53*
BORR	462.6	73	PnD	6:02:25.01	1.86*
MDVR	463.3	105	PnC	6:02:24.31	1.07*
PDG	463.8	146	PnD	6:02:24.56	1.26*
OKC	466.8	20	ePn	6:02:24.60	0.92*
PRU	468.6	346	ePn	6:02:25.40	1.49*
KRLC	468.7	7	ePn	6:02:25.30	1.39*
ABAH	478.3	56	Pn	6:02:24.32	-0.79*
LTVH	480.2	70	Sn	6:03:13.15	-3.55*
DAVA	495.1	288	Pn	6:02:28.78	1.57*
			Sn	03:18.23	-1.79*
DPC	496.3	3	ePn	6:02:28.00	0.65*
UPC	513.2	360	ePn	6:02:30.40	0.93*
HERR	513.7	103	PnD	6:02:30.03	0.51*
DRGR	525.1	79	Pn	6:02:30.42	-0.53*

### Földregés paraméterek

			Sn	03:22.47	-4.19*
PVCC	526.6	348	ePn	6:02:32.50	1.36*
GZR	530.0	96	PnC	6:02:32.28	0.72*
DEV	534.6	90	PnC	6:02:32.99	0.85*
NKC	551.2	331	ePn	6:02:35.60	1.40*
			eSn	03:58.10	25.65*
STHS	554.8	45	Pn	6:02:35.27	0.61*
CJR	591.3	81	PnD	6:02:40.83	1.63*
LOT	606.2	95	PnD	6:02:42.39	1.33*
MDB	648.4	88	PnD	6:02:48.34	2.02*
KWP	651.6	50	Sn	6:03:53.98	-0.76*
ARR	674.5	95	PnD	6:02:51.53	1.95*
VOIR	705.8	94	PnC	6:02:55.67	2.19*
HUMR	720.4	102	PnD	6:02:55.76	0.46*
DOPR	727.0	89	PnC	6:02:57.28	1.15*
BURA	728.7	75	PnD	6:02:57.28	0.95*
TIP	748.2	175	PnC	6:02:58.80	0.03*
OZUR	757.3	88	PnD	6:03:01.95	2.05*
MLR	774.7	93	PnC	6:03:03.48	1.41*
NEHR	802.8	94	PnC	6:03:07.42	1.84*
PLOR	825.7	90	PnC	6:03:10.11	1.68*
CFR	950.1	95	PnD	6:03:25.01	1.07*
KIEV	115.1	61	PnD	6:03:45.06	0.54*



219.

2020-03-22 time: 6:06:18.17 UTC ML= 3.1  
 lat: 45.910N lon: 16.028E h= 5.9 km  
 nr= 36 erh= 1.4km erz= 1.4km  
 gap= 64 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.6	259	Pg	6:06:19.84			0.21
			Sg	06:20.83			0.07
ZAG	9.4	196	Pg	6:06:20.46			0.30
			Sg	06:21.30			-0.40
GCIS	31.5	261	iPgC	6:06:24.08			0.19
			iSg	06:27.88			-0.47
GOLS	33.2	290	iPg	6:06:24.70			0.50
			iSg	06:28.87			-0.04
CESS	44.4	279	iPg	6:06:26.80			0.63
			iSg	06:32.35			-0.06
CRES	45.3	258	Pg	6:06:26.41			0.07
			Sg	06:32.33			-0.38
DOBS	50.8	302	iPg	6:06:27.90			0.59
			iSg	06:34.59			0.15



**Földrengés paraméterek**

LEGS	55.3	274	iPg	6:06:28.55	0.45
			iSg	06:34.89	-0.96
KOGS	62.2	16	Pg	6:06:28.71	-0.63
			Sg	06:37.97	-0.08
GROS	73.5	326	Pg	6:06:30.80	-0.54
			Sg	06:40.76	-0.86
PERS	107.0	319	Pg	6:06:37.01	-0.30
			Sg	06:50.02	-2.22
SOKA	114.8	318	Pg	6:06:38.30	-0.40
			Sg	06:52.27	-2.44
OBKA	132.2	300	Pn	6:06:41.91	0.98
			Sn	06:57.81	-0.87
ARSA	154.0	345	Pn	6:06:44.43	0.78
			Sn	07:04.47	0.95
BLY	157.7	145	Pn	6:06:43.69	-0.42
PKSV	172.6	91	Pn	6:06:45.31	-0.66
RONA	200.0	6	Pn	6:06:50.91	1.52
MYKA	200.6	294	Pn	6:06:50.21	0.74
PKSM	205.0	81	Pn	6:06:49.24	-0.77
MORH	205.3	80	Pn	6:06:49.28	-0.76
CONA	224.7	357	Pn	6:06:53.84	1.37
KBA	243.6	302	Pn	6:06:55.38	0.56

220.

2020-03-22 time: 6:09:37.69 UTC ML= 2.7  
 lat: 45.874N lon: 16.058E h= 4.3 km  
 erh= 2.3km erz= 2.6km  
 nr= 27 gap= 80 rms=0.81  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	7.0	225	Pg	6:09:40.13	0.97
			Sg	09:40.79	0.49
PTJ	8.3	291	Pg	6:09:39.53	0.18
			Sg	09:40.60	-0.05
GCIS	33.4	269	iPg	6:09:43.67	-0.03
			iSg	09:47.44	-0.96
GOLS	36.9	294	iSg	6:09:48.54	-0.95
CRES	47.0	264	Pg	6:09:45.98	-0.13
			Sg	09:52.05	-0.63
CESS	47.4	283	iPg	6:09:46.66	0.47
			iSg	09:51.98	-0.85
DOBS	54.9	304	iPg	6:09:47.55	0.02
KOGS	65.5	13	Pg	6:09:50.06	0.64
			Sg	09:58.96	0.39
GROS	78.1	327	Sg	6:10:00.36	-2.20
BEHE	86.4	40	Pg	6:09:51.77	-1.36
PERS	111.5	319	Pg	6:09:56.75	-0.87
SOKA	119.3	319	Pg	6:10:00.45	1.45
OBKA	136.2	301	Pn	6:10:01.88	0.72
BLY	153.1	145	Pn	6:10:02.64	-0.62
ARSA	158.4	345	Pn	6:10:04.94	1.01
PKSV	170.4	89	Sn	6:10:23.89	-3.15*
PKSM	203.5	79	Pn	6:10:08.96	-0.58
MORH	203.8	79	Pn	6:10:09.14	-0.44
RONA	203.8	5	Pn	6:10:10.72	1.14
PKB4	208.4	71	Pn	6:10:10.23	0.07
CONA	228.9	356	Pn	6:10:13.82	1.11

221.

2020-03-22 time: 6:16:22.00 UTC ML= 2.3  
 lat: 45.909N lon: 16.022E h= 6.7 km  
 erh= 1.4km erz= 1.2km  
 nr= 24 gap=128 rms=0.49  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.0	259	Pg	6:16:23.48	-0.02
			Sg	16:24.15	-0.52
ZAG	9.1	194	Pg	6:16:24.20	0.18
			Sg	16:25.39	-0.21

**Hypocenter Parameters**

GCIS	30.9	261	iPg	6:16:27.83	0.18
GOLS	32.8	290	iPg	6:16:28.78	0.80
			iSg	16:32.48	-0.17
CESS	43.9	279	iSg	6:16:36.21	0.09
CRES	44.8	258	Pg	6:16:30.26	0.17
			Sg	16:36.23	-0.17
DOBS	50.5	302	iPg	6:16:31.52	0.43
			iSg	16:38.24	0.06
KOGS	62.5	16	Pg	6:16:33.56	0.33
			Sg	16:41.56	-0.42
GROS	73.3	327	Pg	6:16:35.26	0.11
			Sg	16:44.41	-1.00
BOJS	74.9	233	iPg	6:16:34.61	-0.82
PKKS	81.1	282	iPg	6:16:36.63	0.09
PERS	106.8	319	Pg	6:16:40.66	-0.44
			Sg	16:53.83	-2.17*
OBKA	131.8	300	Pn	6:16:45.91	1.30
			Sn	17:01.30	-0.94
ARSA	154.0	346	Sn	6:17:07.00	-0.16
BLY	157.9	145	Sn	6:17:07.71	-0.31

222.

2020-03-22 time: 6:39:58.75 UTC ML= 3.0  
 lat: 45.896N lon: 16.028E h= 7.2 km  
 erh= 1.5km erz= 1.1km  
 nr= 28 gap= 75 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.4	274	Pg	6:40:00.37	0.01
			Sg	40:01.10	-0.51
ZAG	7.9	199	Pg	6:40:01.10	0.44
			Sg	40:01.80	-0.35
GCIS	31.2	264	iPg	6:40:04.83	0.36
			iSg	40:08.81	-0.12
GOLS	33.7	292	iPg	6:40:05.42	0.51
			iSg	40:08.01	-1.70
CRES	45.0	260	Pg	6:40:07.04	0.15
			Sg	40:13.24	0.00
DOBS	51.6	303	iPg	6:40:08.49	0.44
KOGS	63.7	16	Pg	6:40:10.47	0.27
			Sg	40:18.81	-0.32
BOJS	74.5	234	iPg	6:40:12.01	-0.10
GROS	74.7	327	Pg	6:40:12.13	-0.03
			Sg	40:21.77	-0.85
PKKS	81.9	283	iPg	6:40:13.37	-0.06
PERS	108.1	319	Pg	6:40:17.41	-0.69
SOKA	115.9	319	Pn	6:40:19.01	-0.30
			Sn	40:33.80	-1.55
OBKA	132.9	301	Pn	6:40:22.46	1.02
			Sn	40:38.99	-0.15
ARSA	155.4	346	Pn	6:40:24.94	0.70
			Sn	40:44.97	0.84
BLY	156.5	145	Pn	6:40:24.19	-0.19
			Sn	40:43.71	-0.65
PKSV	172.7	90	Pn	6:40:25.48	-0.91
CONA	226.2	357	Pn	6:40:34.40	1.32

223.

2020-03-22 time: 6:41:05.26 UTC ML= 3.8  
 lat: 45.887N lon: 16.033E h= 8.6 km  
 erh= 1.3km erz= 0.9km  
 nr= 37 gap= 61 rms=0.49  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.0	284	PgU	6:41:07.07	-0.06
			Sg	41:08.02	-0.56
ZAG	7.1	205	Pg	6:41:07.78	0.53
			Sg	41:08.71	-0.10
CRES	45.3	261	PgD	6:41:13.52	0.04

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
KOGS	64.6	15	Sg	41:19.25			-0.65
			PgD	6:41:17.30			0.41
			Sg	41:25.31			-0.65
GROS	75.8	327	PgU	6:41:18.87			-0.02
			Sg	41:27.94			-1.58
BEHE	86.5	41	PgU	6:41:21.35			0.57
PERS	109.2	320	PnU	6:41:24.22			-0.59
SOKA	116.9	319	PnU	6:41:25.39			-0.38
OBKA	133.8	301	PnU	6:41:28.44			0.56
BLY	155.4	145	PnD	6:41:30.84			0.27
ARSA	156.5	346	PnU	6:41:31.18			0.47
PKSV	172.3	90	PnU	6:41:32.32			-0.35
MPLH	183.6	39	PnU	6:41:34.00			-0.08
PKS9	189.9	66	PnU	6:41:34.44			-0.43
EGYH	197.0	30	PnD	6:41:36.53			0.77
RONA	202.5	6	PnU	6:41:37.07			0.63
SOP	203.7	11	PnU	6:41:37.04			0.45
PKSM	205.1	80	PnU	6:41:36.15			-0.61
MORH	205.4	80	PnU	6:41:36.17			-0.63
PKB4	209.7	71	Pn	6:41:36.73			-0.61
KBST	216.3	45	PnU	6:41:38.13			-0.04
CONA	227.3	357	PnU	6:41:40.18			0.65
PKB1	234.7	65	Pn	6:41:39.69			-0.77
KBA	245.3	303	Pn	6:41:42.67			0.90
PKSG	246.1	47	PnD	6:41:41.92			0.04
PKB3	251.4	76	Pn	6:41:41.99			-0.55
PKS2	254.5	75	Pn	6:41:42.45			-0.48
PKB2	262.3	71	Pn	6:41:44.22			0.32
SRO	275.9	39	Pn	6:41:46.21			0.62
A337	294.1	27	Sn	6:42:19.60			-1.49*
A338	295.2	37	Pn	6:41:48.77			0.77
			Sn	42:20.41			-0.93*
FRGS	306.8	106	Pn	6:41:49.49			0.05*
			Sn	42:23.43			-0.48*
PENC	325.9	50	Pn	6:41:51.54			-0.29*
BBLs	348.6	130	Pn	6:41:55.16			0.49*
BZS	435.5	94	Pn	6:42:04.83			-0.67*
LANS	445.6	35	Pn	6:42:08.05			1.29*
MORC	447.0	15	Sn	6:42:53.84			-1.20*
ABAH	477.5	56	Pn	6:42:12.42			1.69*
			Sn	43:00.22			-1.58*

224.

2020-03-22 time: 6:53:32.77 UTC ML= 2.7  
lat: 45.892N lon: 16.017E h= 4.3 km  
erh= 1.7km erz= 1.5km  
nr= 14 gap=178 rms=0.42  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.7	281	Pg	6:53:33.82			-0.08
			Sg	53:34.71			-0.07
ZAG	7.3	194	Pg	6:53:34.44			0.17
			Sg	53:35.13			-0.32
CRES	44.1	260	Pg	6:53:40.61			-0.07
			Sg	53:46.56			-0.30
KOGS	64.4	16	Pg	6:53:44.03			-0.25
			Sg	53:52.50			-0.77
GROS	74.7	328	Pg	6:53:46.94			0.81
PERS	107.9	320	Pg	6:53:52.21			0.16
SOKA	115.7	319	Sg	6:54:08.98			-0.58
OBKA	132.5	301	Pn	6:53:56.33			0.56
			Sn	54:11.92			-1.79
ARSA	155.7	346	Sn	6:54:18.74			-0.12

225.

2020-03-22 time: 7:13:01.62 UTC ML= 2.2  
lat: 45.894N lon: 16.026E h= 10.3 km  
erh= 3.0km erz= 1.7km  
nr= 14 gap=183 rms=0.66  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.3	277	Pg	7:13:03.54			-0.15
			Sg	13:04.22			-1.09
ZAG	7.6	199	Pg	7:13:04.11			0.20
			Sg	13:05.27			-0.43
CRES	44.8	260	Pg	7:13:10.58			0.75
			Sg	13:16.51			0.27
KOGS	64.0	16	Pg	7:13:13.76			0.57
			Sg	13:21.66			-0.56
GROS	74.9	327	Pg	7:13:15.36			0.24
			Sg	13:24.31			-1.34
PERS	108.2	320	Pn	7:13:20.79			-0.03
			Sn	13:34.10			-1.70
OBKA	132.9	301	Sn	7:13:41.29			0.00
ARSA	155.6	346	Sn	7:13:47.87			1.54

226.

2020-03-22 time: 7:27:53.00 UTC ML= 2.4  
lat: 45.906N lon: 16.011E h= 5.1 km  
erh= 1.3km erz= 1.3km  
nr= 23 gap=171 rms=0.40  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.1	260	Sg	7:27:55.12			0.02
ZAG	8.7	189	Pg	7:27:54.88			0.08
			Sg	27:55.62			-0.59
GCIS	30.1	262	iPgC	7:27:58.59			0.14
			iSg	28:02.67			-0.03
GOLS	32.1	291	iPg	7:27:59.15			0.34
			iSg	28:03.51			0.17
CESS	43.1	280	iPg	7:28:01.30			0.54
			iSg	28:07.03			0.23
CRES	43.9	258	Pg	7:28:00.81			-0.09
			Sg	28:06.46			-0.60
DOBS	49.9	303	iPg	7:28:02.28			0.32
KOGS	63.0	17	Pg	7:28:04.51			0.22
			Sg	28:12.61			-0.49
GROS	73.1	327	Pg	7:28:06.01			-0.08
			Sg	28:15.06			-1.24
PDKS	80.4	282	iPg	7:28:07.18			-0.20
PERS	106.4	320	Pg	7:28:11.46			-0.57
			Sg	28:24.41			-2.46*
OBKA	131.2	301	Pn	7:28:16.05			0.31
			Sn	28:31.98			-1.50
ARSA	154.0	346	Pn	7:28:18.84			0.26
			Sn	28:38.94			0.40
RONA	200.6	6	Pn	7:28:24.59			0.20

227.

2020-03-22 time: 7:49:14.06 UTC ML= 2.2  
lat: 45.920N lon: 16.011E h= 2.8 km  
erh= 1.4km erz= 1.6km  
nr= 31 gap= 54 rms=0.66  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.7	242	Pg	7:49:14.94			-0.10
			Sg	49:15.99			0.19
ZAG	10.2	188	Pg	7:49:15.68			-0.27
			Sg	49:16.70			-0.72
GCIS	30.4	259	iPgD	7:49:19.41			-0.09
			iSg	49:23.53			-0.22
GOLS	31.7	289	iPg	7:49:20.37			0.64
CESS	42.9	278	iSg	7:49:27.73			0.00
CRES	44.3	256	Pg	7:49:21.66			-0.33
			Sg	49:27.47			-0.70
DOBS	49.1	301	iPg	7:49:23.10			0.26
KOGS	61.5	17	Pg	7:49:26.16			1.10
			Sg	49:32.94			-0.70

**Földrengés paraméterek**

**Hypocenter Parameters**

GROS	71.9	327	Pg	7:49:26.91	0.01
			Sg	49:36.17	-0.75
BEHE	85.0	44	Sg	7:49:40.13	-0.95
PERS	105.3	319	Pg	7:49:33.26	0.39
			Sg	49:44.89	-2.65
SOKA	113.1	318	Pg	7:49:34.60	0.34
			Sg	49:49.13	-0.88
OBKA	130.5	300	Pn	7:49:37.45	0.45
			Sn	49:53.69	-1.20
ARSA	152.6	346	Pn	7:49:41.13	1.38
			Sn	49:59.60	-0.19
BLY	159.3	145	Pn	7:49:41.02	0.43
			Sn	49:59.66	-1.63
PKSV	173.9	91	Pn	7:49:42.79	0.38
			Sn	50:02.91	-1.62
RONA	199.0	6	Pn	7:49:44.83	-0.72
PKSM	206.1	81	Sn	7:50:12.94	1.28
MORH	206.3	81	Sn	7:50:12.88	1.15

OBKA	131.9	301	PnD	8:04:24.36	0.64
			Sn	04:40.51	-0.75
KNDS	133.3	252	ePn	8:04:24.76	0.87
			eSn	04:42.22	0.66
CRNS	137.1	279	iPn	8:04:24.90	0.53
			iSn	04:42.98	0.57
ARSA	155.4	346	PnD	8:04:27.20	0.55
			Sn	04:47.70	1.23
BLY	157.0	144	PnD	8:04:26.58	-0.27
			Sn	04:45.76	-1.07
PKSV	174.0	90	PnD	8:04:28.06	-0.91
			Sn	04:50.57	-0.04
MPLH	184.1	40	Pn	8:04:29.95	-0.28
			Sn	04:52.95	0.10
PKS9	191.2	66	Pn	8:04:31.53	0.41
EGYH	197.3	31	Sn	8:04:55.06	-0.71
MYKA	200.1	294	Pn	8:04:33.26	1.03
			Sn	04:56.59	0.19
RONA	202.0	6	Pn	8:04:33.55	1.09
SOP	203.3	12	Pn	8:04:33.76	1.13
PKSM	206.7	80	Pn	8:04:32.10	-0.95
MORH	207.0	80	PnU	8:04:32.22	-0.86
PKB4	211.1	72	Pn	8:04:33.76	0.16
PKST	217.1	46	Pn	8:04:34.35	0.01
PKB5	224.2	70	Pn	8:04:35.60	0.37
CONA	226.5	357	Pn	8:04:36.96	1.45
KBA	243.4	303	Pn	8:04:38.40	0.78
			Sn	05:06.68	0.68
MOA	254.9	329	Pn	8:04:40.70	1.65
PKS2	256.0	75	Pn	8:04:39.26	0.06
BIOA	269.7	318	Pn	8:04:42.25	1.35
			Sn	05:12.48	0.64
ABTA	285.6	289	Pn	8:04:44.44	1.55
MODS	292.0	19	ePn	8:04:43.50	-0.18
			eSn	05:13.10	-3.69*
FRGS	308.7	106	Pn	8:04:45.31	-0.45*
BBLs	350.5	130	Pn	8:04:51.46	0.48*
WTTA	368.3	294	Pn	8:04:54.93	1.74*
PSZ	371.8	53	PnD	8:04:53.98	0.34*
WATA	375.6	295	Pn	8:04:56.03	1.92*
			Sn	05:37.07	1.73*
TREC	380.2	354	ePn	8:04:57.10	2.42*
VRAC	382.2	7	PnD	8:04:54.96	0.03*
SQTA	396.7	292	Pn	8:04:58.66	1.93*
			Sn	05:41.80	1.78*
KHC	403.9	333	ePn	8:04:59.00	1.37*
			eSn	05:40.20	-1.42*
MOTA	409.0	293	Pn	8:05:00.42	2.15*
ZVC	417.1	341	ePn	8:05:00.70	1.41*
			eSn	05:42.60	-1.97*
FETA	424.6	287	Pn	8:05:02.56	2.34*
			Sn	05:49.18	2.95*
BZS	437.3	94	Pn	8:05:01.16	-0.64*
RETA	438.8	294	Pn	8:05:03.12	1.13*
MORC	446.7	15	Pn	8:05:03.39	0.41*
			Sn	05:48.82	-2.32*
MDVR	463.8	105	PnD	8:05:05.36	0.26*
PRU	468.3	346	ePn	8:05:06.80	1.13*
DAVA	494.7	288	Pn	8:05:09.92	0.97*
DPC	496.1	3	ePn	8:05:09.20	0.07*
DRGR	525.5	79	Pn	8:05:14.26	1.47*
PVCC	526.3	348	ePn	8:05:14.40	1.50*
GZR	530.5	96	PnD	8:05:12.81	-0.61*
MARR	554.7	81	PnC	8:05:15.77	-0.67*
KWP	651.8	50	Pn	8:05:27.25	-1.29*

228.

2020-03-22 time: 8:04:01.24 UTC ML= 3.8  
 lat: 45.894N lon: 16.010E h= 7.8 km  
 erh= 1.1km erz= 0.8km  
 nr= 80 gap= 54 rms=0.72  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.1	280	PgD	8:04:03.16	0.34
			Sg	04:04.18	0.14
ZAG	7.3	190	PgU	8:04:03.81	0.66
			Sg	04:04.77	0.13
GCIS	29.9	264	iPgD	8:04:07.41	0.66
			iSg	04:11.39	0.34
GOLS	32.6	294	iPgD	8:04:07.93	0.70
			eSg	04:12.36	0.46
CESS	43.3	282	iPg	8:04:10.00	0.90
			iSg	04:15.51	0.27
CRES	43.6	260	PgU	8:04:09.52	0.37
			Sg	04:15.06	-0.27
DOBS	50.6	304	iPgD	8:04:11.05	0.66
			iSg	04:17.69	0.17
LEGS	54.1	277	iPgD	8:04:11.57	0.57
			eSg	04:18.22	-0.39
KOGS	64.4	17	PgD	8:04:13.18	0.36
			Sg	04:21.34	-0.51
BOJS	73.2	234	iPg	8:04:14.03	-0.36
			iSg	04:23.31	-1.34
GROS	74.3	328	PgD	8:04:14.78	0.20
			Sg	04:24.03	-0.95
PKS	80.6	283	iPgD	8:04:16.01	0.30
			eSg	04:25.08	-1.91
BEHE	87.2	43	Pg	8:04:15.68	-1.19
			Sg	04:25.74	-3.32*
VISS	91.5	264	iPg	8:04:17.32	-0.32
			iSg	04:29.45	-0.98
ZAVS	97.0	308	iPgD	8:04:18.67	0.06
			iSg	04:30.15	-2.01
GBRS	101.8	247	iPg	8:04:19.04	-0.43
			iSg	04:33.16	-0.52
VNDS	104.0	283	iPgD	8:04:19.65	-0.21
			iSg	04:32.34	-2.05
PERS	107.5	320	PgD	8:04:20.16	-0.32
			Sg	04:33.35	-2.14
SOKA	115.2	319	PnD	8:04:21.42	-0.22
			Sn	04:35.15	-2.41
LJU	116.1	278	iPn	8:04:21.63	-0.13
			iSn	04:36.53	-1.23
GBAS	121.7	272	iPn	8:04:22.35	-0.10
			eSn	04:38.40	-0.60
CEY	124.3	262	iPn	8:04:23.12	0.35
			iSn	04:38.88	-0.69
MOZS	129.1	290	iPnD	8:04:23.86	0.49
			iSn	04:40.94	0.31

229.

2020-03-22 time: 8:29:23.45 UTC ML= 2.5  
 lat: 45.890N lon: 16.027E h= 7.3 km  
 erh= 1.5km erz= 1.1km  
 nr= 34 gap= 61 rms=0.59  
 Locality: Croatia  
 Comments:

### Hypocenter Parameters

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.4	281	Pg	8:29:25.02			-0.05
			Sg	29:26.01			-0.33
ZAG	7.3	200	Pg	8:29:25.78			0.49
			Sg	29:26.49			-0.24
GCIS	31.1	265	iPg	8:29:29.43			0.28
GOLS	33.9	293	iPg	8:29:29.93			0.28
			iSg	29:34.30			-0.18
CESS	44.7	282	iSg	8:29:37.80			-0.03
CRES	44.8	261	Pg	8:29:31.71			0.15
			Sg	29:37.81			-0.08
DOBS	51.9	304	iPgD	8:29:33.05			0.24
KOGS	64.3	16	Pg	8:29:35.36			0.34
			Sg	29:43.61			-0.43
GROS	75.3	327	Pg	8:29:36.86			-0.09
			Sg	29:47.22			-0.26
PKDS	81.9	283	iPg	8:29:38.09			-0.05
PERS	108.6	320	Pg	8:29:42.31			-0.57
			Sg	29:56.85			-1.18
SOKA	116.3	319	Pn	8:29:43.40			-0.66
			Sn	29:58.79			-1.34
OBKA	133.2	301	Pn	8:29:47.26			1.10
			Sn	30:04.25			0.38
BLY	156.0	144	Pn	8:29:49.01			0.01
			Sn	30:08.41			-0.52
ARSA	156.0	346	Pn	8:29:49.49			0.48
			Sn	30:09.70			0.76
PKSV	172.8	90	Pn	8:29:50.21			-0.88
			Sn	30:09.16			-3.49*
MPLH	183.6	39	Pn	8:29:52.79			0.34
RONA	202.2	6	Pn	8:29:55.76			1.00
SOP	203.4	12	Pn	8:29:57.10			2.19
PKSM	205.5	80	Pn	8:29:54.19			-0.99
MORH	205.8	80	Pn	8:29:54.19			-1.02
PKST	216.4	45	Pn	8:30:00.46			3.92*
CONA	226.9	357	Pn	8:29:58.92			1.08
MODS	291.9	19	ePn	8:30:06.90			0.95
			eSn	30:35.30			-3.80*
KHC	404.7	333	ePn	8:30:21.00			0.98*
			eSn	31:02.50			-1.64*

230.

2020-03-22 time: 8:42:48.91 UTC ML= 2.5  
 lat: 45.897N lon: 16.023E h= 7.5 km  
 erh= 1.4km erz= 1.2km  
 nr= 38 gap= 54 rms=0.58  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.1	273	Pg	8:42:50.40			-0.12
			Sg	42:51.37			-0.41
ZAG	7.9	197	Pg	8:42:51.24			0.38
			Sg	42:52.77			0.40
GCIS	30.9	264	iPgD	8:42:54.80			0.21
GOLS	33.4	292	iPg	8:42:55.32			0.30
			iSg	42:59.31			-0.48
CESS	44.3	281	iPg	8:42:57.85			0.92
			iSg	43:03.07			-0.11
CRES	44.7	260	Pg	8:42:57.21			0.20
			Sg	43:03.31			-0.01
DOBS	51.3	303	iPg	8:42:58.51			0.35
LEGS	55.0	276	iPg	8:42:59.07			0.24
			iSg	43:05.95			-0.62
KOGS	63.7	16	Pg	8:43:00.76			0.40
			Sg	43:09.26			-0.03
BOJS	74.3	234	iPg	8:43:01.92			-0.33
GROS	74.5	327	Pg	8:43:02.21			-0.07
			Sg	43:11.66			-1.04
PKDS	81.5	283	iPg	8:43:03.40			-0.13
VISS	92.6	264	iPg	8:43:04.93			-0.56
ZAVS	97.5	308	iPg	8:43:06.22			-0.16
PERS	107.8	320	Pg	8:43:07.66			-0.55
			Sg	43:20.96			-2.30

### Földrengés paraméterek

SOKA	115.6	319	Sn	8:43:22.84	-2.55
OBKA	132.6	301	Pn	8:43:12.73	1.21
			Sn	43:28.92	-0.24
ARSA	155.2	346	Pn	8:43:15.14	0.79
			Sn	43:34.76	0.57
BLY	156.8	145	Pn	8:43:14.56	0.02
			Sn	43:33.82	-0.71
PKSV	173.0	90	Pn	8:43:15.77	-0.79
			Sn	43:34.70	-3.43*
MPLH	183.2	39	Pn	8:43:17.59	-0.24
RONA	201.4	6	Pn	8:43:21.17	1.06
PKSM	205.6	80	Pn	8:43:19.71	-0.92
MORH	205.9	80	Pn	8:43:19.71	-0.95
CONA	226.1	357	Pn	8:43:24.48	1.29
MOA	255.0	328	Pn	8:43:27.88	1.09

231.

2020-03-22 time: 8:57:01.45 UTC ML= 2.3  
 lat: 45.896N lon: 16.038E h= 7.3 km  
 erh= 1.4km erz= 1.1km  
 nr= 32 gap= 65 rms=0.54  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	6.3	275	Pg	8:57:02.94			-0.23
			Sg	57:04.32			-0.20
ZAG	8.2	205	Pg	8:57:03.97			0.56
			Sg	57:04.70			-0.24
GCIS	32.1	264	iPg	8:57:07.62			0.30
			iSg	57:11.65			-0.25
GOLS	34.6	292	iPg	8:57:08.18			0.42
CESS	45.5	281	iSg	8:57:15.91			-0.17
CRES	45.8	260	Pg	8:57:09.75			0.01
			Sg	57:15.94			-0.26
DOBS	52.4	303	iPg	8:57:11.27			0.38
LEGS	56.2	276	iPg	8:57:11.95			0.37
KOGS	63.6	15	Pg	8:57:13.38			0.51
			Sg	57:21.12			-0.67
BOJS	75.1	235	ePg	8:57:14.54			-0.39
GROS	75.3	327	Pg	8:57:14.89			-0.07
			Sg	57:24.34			-1.15
PKDS	82.7	283	iPg	8:57:16.29			0.01
PERS	108.7	319	Pg	8:57:20.40			-0.51
			Sg	57:33.59			-2.50*
SOKA	116.5	318	Pn	8:57:21.73			-0.34
			Sn	57:36.77			-1.39
OBKA	133.7	301	Pn	8:57:24.82			0.61
			Sn	57:42.16			0.19
ARSA	155.7	345	Pn	8:57:27.64			0.68
			Sn	57:48.16			1.30
BLY	155.9	145	Sn	8:57:46.52			-0.38
PKSV	171.8	90	Pn	8:57:28.35			-0.62
RONA	201.5	6	Pn	8:57:34.57			1.90
PKSM	204.5	80	Pn	8:57:32.47			-0.57
MORH	204.8	80	Pn	8:57:32.31			-0.77
CONA	226.4	357	Pn	8:57:37.32			1.55
KHC	404.7	333	ePn	8:57:59.90			1.90*
			eSn	58:40.90			-1.21*

232.

2020-03-22 time: 9:06:53.44 UTC ML= 2.4  
 lat: 45.886N lon: 16.081E h= 10.4 km  
 erh= 4.6km erz= 2.7km  
 nr= 12 gap=215 rms=0.85  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	9.2	227	Pg	9:06:56.42			0.49
			Sg	06:57.35			-0.52
CRES	49.0	262	Pg	9:07:02.51			0.13
			Sg	07:08.81			-0.54

## Földrengés paraméterek

## Hypocenter Parameters

KOGS 63.9 12 Pg 9:07:04.96 -0.04  
 Sg 07:13.41 -0.61  
 GROS 78.1 325 Pg 9:07:08.21 0.70  
 Sg 07:16.61 -1.87  
 PERS 111.8 318 Pn 9:07:13.31 0.23  
 Sn 07:26.10 -2.30  
 OBKA 137.1 300 Sn 9:07:34.90 0.88  
 ARSA 157.7 344 Sn 9:07:41.00 2.42

Sn 12:56.15 4.18\*  
 Pn 9:12:28.77 0.65  
 Pn 9:12:28.64 0.34  
 Pn 9:12:27.80 -0.99  
 Pn 9:12:27.78 -1.04  
 Pn 9:12:31.58 2.25  
 Pn 9:12:29.90 -0.14  
 Pn 9:12:30.23 -0.73  
 Pn 9:12:32.45 1.27  
 Pn 9:12:34.21 0.91  
 Pn 9:12:33.68 -0.08  
 Pn 9:12:34.21 -0.34  
 Pn 9:12:35.99 1.27  
 Sn 13:04.17 0.09  
 Pn 9:12:35.53 -0.36  
 Pn 9:12:36.93 0.43  
 Pn 9:12:37.83 1.26  
 Pn 9:12:37.32 0.18  
 ePn 9:12:38.30 0.87

233.

2020-03-22 time: 9:11:57.07 UTC ML= 3.3  
 lat: 45.899N lon: 16.008E h= 8.5 km  
 erh= 1.1km erz= 0.8km  
 nr= 75 gap= 54 rms=0.70  
 Locality: Croatia  
 Comments:

Pn 9:12:34.21 -0.34  
 Pn 9:12:35.99 1.27  
 Sn 13:04.17 0.09  
 Pn 9:12:35.53 -0.36  
 Pn 9:12:36.93 0.43  
 Pn 9:12:37.83 1.26  
 Pn 9:12:37.32 0.18  
 ePn 9:12:38.30 0.87  
 eSn 13:08.30 -0.62  
 Pn 9:12:50.30 1.42\*  
 Sn 13:29.82 0.53\*  
 PnC 9:12:50.29 0.95\*  
 Pn 9:12:51.51 1.72\*  
 Sn 13:32.96 2.05\*  
 ePn 9:12:52.20 1.86\*  
 PnC 9:12:50.84 0.24\*  
 Pn 9:12:53.71 1.29\*  
 Sn 13:37.97 2.38\*  
 ePn 9:12:54.80 1.50\*  
 eSn 13:36.50 -0.65\*  
 Pn 9:12:56.26 2.30\*  
 ePn 9:12:56.50 1.55\*  
 eSn 13:38.50 -1.60\*  
 Pn 9:12:58.53 2.62\*  
 Sn 13:45.30 3.49\*  
 Pn 9:12:59.38 1.71\*  
 PnC 9:13:01.56 0.68\*  
 PnC 9:13:01.93 0.97\*  
 ePn 9:13:02.60 1.27\*  
 ePn 9:13:02.40 1.04\*  
 Pn 9:13:06.04 1.40\*  
 Sn 13:58.14 0.79\*  
 ePn 9:13:05.20 0.40\*  
 PnD 9:13:07.41 0.26\*  
 ePn 9:13:10.10 1.53\*  
 PnD 9:13:09.27 0.09\*  
 ePn 9:13:13.60 1.99\*  
 eSn 14:05.90 -3.85\*  
 PnC 9:13:12.09 -0.09\*

sta	dist	azm	phase	hr	mn	sec	res
PTJ	3.9	272	Pg	9:11:58.77			0.03
			Sg	11:59.74			-0.31
ZAG	7.8	188	Pg	9:11:59.40			0.26
			Sg	12:01.11			0.36
GCIS	29.7	263	iPgC	9:12:03.13			0.54
			iSg	12:07.17			0.27
GOLS	32.2	293	iPgD	9:12:03.66			0.64
			iSg	12:07.55			-0.12
CESS	43.1	281	iPg	9:12:05.78			0.87
			iSg	12:11.15			0.13
CRES	43.6	259	Pg	9:12:05.26			0.27
			Sg	12:11.11			-0.07
DOBS	50.2	304	iPgD	9:12:06.76			0.60
			iSg	12:13.41			0.16
LEGS	53.8	276	iPgC	9:12:07.26			0.46
			eSg	12:14.13			-0.26
KOGS	63.9	17	Pg	9:12:08.92			0.34
			Sg	12:17.44			-0.11
BOJS	73.4	233	iPgC	9:12:09.77			-0.50
			iSg	12:19.13			-1.43
GROS	73.7	328	Pg	9:12:10.55			0.23
			Sg	12:19.36			-1.29
PDKS	80.3	283	iPgC	9:12:11.78			0.29
			iSg	12:20.37			-2.38
VISS	91.4	263	iPg	9:12:13.12			-0.34
ZAVS	96.5	308	iPgD	9:12:14.44			0.07
			iSg	12:26.19			-1.67
GBRS	101.8	246	iPg	9:12:14.80			-0.52
			iSg	12:30.11			0.56
VNDS	103.7	283	iPg	9:12:15.40			-0.25
			iSg	12:28.87			-1.27
PERS	106.9	320	Pg	9:12:15.88			-0.34
			Sg	12:28.77			-2.40
SOKA	114.7	319	Pn	9:12:17.04			-0.27
			Sn	12:31.03			-2.07
LJU	115.9	278	iPn	9:12:17.34			-0.12
			iSn	12:32.65			-0.71
GBAS	121.5	272	iPnC	9:12:18.05			-0.11
CEY	124.2	262	ePn	9:12:18.97			0.48
			eSn	12:34.65			-0.55
MOZS	128.7	290	iPn	9:12:19.68			0.62
OBKA	131.5	301	Pn	9:12:20.03			0.63
			Sn	12:36.06			-0.76
KNDS	133.3	252	iPn	9:12:20.71			1.09
			iSn	12:38.10			0.88
CRNS	136.8	278	iPn	9:12:20.83			0.76
ARSA	154.8	346	Pn	9:12:22.84			0.53
			Sn	12:42.76			0.76
BLY	157.6	144	Pn	9:12:22.21			-0.45
			Sn	12:41.83			-0.79
PKSV	174.2	90	Pn	9:12:23.72			-1.01
			Sn	12:42.85			-3.45*
MPLH	183.8	40	Pn	9:12:25.58			-0.35
PKS9	191.1	66	Pn	9:12:26.39			-0.45
EGYH	196.9	31	Pn	9:12:27.71			0.15
MYKA	199.7	294	Pn	9:12:28.78			0.87

234.

2020-03-22 time: 10:15:41.54 UTC ML= 2.3  
 lat: 45.920N lon: 16.000E h= 0.6 km  
 erh= 1.9km erz= 2.8km  
 nr= 12 gap=164 rms=0.47  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	10.1	183	Pg	10:15:43.22			-0.14
			Sg	15:43.82			-0.95
CRES	43.4	256	Pg	10:15:49.76			0.46
			Sg	15:55.41			0.06
KOGS	61.8	18	Pg	10:15:52.91			0.33
			Sg	16:01.00			-0.19
GROS	71.4	327	Pg	10:15:54.41			0.12
			Sg	16:03.31			-0.92
PERS	104.7	319	Pg	10:16:00.26			0.02
			Sg	16:12.59			-2.24
OBKA	129.7	300	Pn	10:16:05.23			0.55
ARSA	152.3	346	Sn	10:16:27.34			-0.40

## Hypocenter Parameters

## Földrengés paraméterek

235.

2020-03-22 time: 11:50:44.24 UTC ML= 1.9  
 lat: 48.504N lon: 22.278E h= 0.7 km  
 erh= 2.7km erz= 2.5km  
 nr= 9 gap=192 rms=0.51  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	45.8	155	Pg	11:50:52.73	0.31
			Sg	50:58.11	-0.69
ABAH	80.3	253	Pg	11:50:58.26	-0.31
			Sg	51:09.88	0.12
STHS	126.7	323	eSg	11:51:24.00	-0.51
KECS	132.5	269	ePn	11:51:08.20	0.50
			eSn	51:23.80	-2.21*
PSZ	188.7	250	Sn	11:51:39.78	1.29
DRGR	193.1	170	Sn	11:51:39.34	-0.12

236.

2020-03-22 time: 13:34:08.48 UTC ML= 2.5  
 lat: 45.879N lon: 16.008E h= 9.4 km  
 erh= 1.4km erz= 0.9km  
 nr= 37 gap= 71 rms=0.58  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.6	301	Pg	13:34:10.24	-0.10
			Sg	34:11.22	-0.57
ZAG	5.7	191	Pg	13:34:10.82	0.38
			Sg	34:11.45	-0.51
GCIS	29.6	267	iPgC	13:34:14.39	0.36
			iSg	34:18.25	-0.10
GOLS	33.2	296	iPgD	13:34:14.96	0.32
			iSg	34:19.34	-0.10
CRES	43.2	262	Pg	13:34:16.56	0.18
			Sg	34:22.64	0.09
DOBS	51.5	306	iPgD	13:34:18.16	0.34
			eSg	34:24.93	-0.18
LEGS	54.2	278	iPg	13:34:18.66	0.36
			Pg	13:34:20.66	0.28
KOGS	66.0	16	Sg	34:28.73	-0.93
			Pg	13:34:22.06	-0.02
GROS	75.6	329	Sg	34:30.84	-1.86
			iPg	13:34:23.06	0.04
VISS	91.2	265	iPg	13:34:24.38	-0.47
			Pn	13:34:27.36	-0.50
PERS	108.7	321	Sn	34:40.41	-2.57*
			Pn	13:34:28.35	-0.48
SOKA	116.4	320	Sn	34:42.81	-1.89
			Pn	13:34:31.95	1.09
OBKA	132.7	302	Sn	34:48.08	-0.23
			Pn	13:34:33.86	0.12
BLY	155.8	144	Sn	34:53.09	-0.36
			Pn	13:34:34.88	1.00
ARSA	156.9	346	Sn	34:54.50	0.80
			Pn	13:34:35.49	-0.54
PKSV	174.2	90	Pn	13:34:39.37	0.03
MYKA	200.7	295	Pn	13:34:40.79	1.09
RONA	203.6	6	Pn	13:34:39.36	-0.78
PKSM	207.1	80	Pn	13:34:39.33	-0.85
MORH	207.4	80	Pn	13:34:44.50	1.74
CONA	228.1	357	Pn	13:34:46.77	0.51
MOA	256.2	329	Sn	35:15.71	-0.02
			ePn	13:35:05.70	0.85*
KHC	405.3	333	eSn	35:47.20	-1.62*
			ePn	13:35:08.10	1.58*
ZVC	418.7	341	eSn	35:49.20	-2.59*

237.

2020-03-22 time: 13:59:21.31 UTC ML= 2.4  
 lat: 45.882N lon: 16.049E h= 8.9 km  
 erh= 1.9km erz= 1.3km  
 nr= 32 gap=126 rms=0.65  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	7.3	285	Pg	13:59:23.30	-0.07
			Sg	59:24.37	-0.60
ZAG	7.3	215	Pg	13:59:24.10	0.73
			Sg	59:24.79	-0.18
GCIS	32.7	267	iPgD	13:59:27.78	0.41
			iSg	59:32.77	0.68
CRES	46.4	262	Pg	13:59:29.96	0.22
			Sg	59:36.61	0.29
CESS	46.5	283	iPg	13:59:30.32	0.55
			eSg	59:36.31	-0.05
DOBS	53.8	303	iPg	13:59:31.33	0.28
LEGS	57.2	277	iPg	13:59:31.91	0.27
			iSg	59:39.43	-0.27
KOGS	64.8	14	Pg	13:59:33.16	0.17
			Sg	59:40.86	-1.23
BOJS	74.9	236	iPg	13:59:34.66	-0.13
			iSg	59:44.08	-1.22
GROS	76.9	327	Pg	13:59:34.91	-0.23
			Sg	59:44.31	-1.61
PDKS	83.8	284	iPg	13:59:36.26	-0.10
VISS	94.3	265	iPg	13:59:37.82	-0.41
			iSg	59:50.66	-0.77
PERS	110.3	319	Pn	13:59:40.45	-0.51
SOKA	118.1	318	Pn	13:59:41.97	0.04
OBKA	135.1	301	Pn	13:59:45.39	1.34
			Sn	14:00:01.05	-0.73
ARSA	157.3	345	Pn	13:59:47.66	0.84
			Sn	14:00:05.23	-1.48
PKSV	171.1	90	Pn	13:59:48.29	-0.24
			Sn	14:00:06.89	-2.87
RONA	202.9	5	Pn	13:59:53.84	1.34
MYKA	203.3	294	Pn	13:59:57.03	4.48*
CONA	227.9	356	Pn	13:59:56.25	0.64

238.

2020-03-22 time: 14:04:29.41 UTC ML= 2.5  
 lat: 45.883N lon: 16.007E h= 10.5 km  
 erh= 1.5km erz= 1.0km  
 nr= 41 gap= 54 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.2	296	Pg	14:04:31.06	-0.37
			Sg	04:32.08	-0.92
ZAG	6.1	189	Pg	14:04:31.66	0.08
			Sg	04:32.37	-0.90
GCIS	29.5	267	iPgD	14:04:35.23	0.23
			iSg	04:39.10	-0.26
GOLS	32.9	296	iPg	14:04:35.84	0.27
CRES	43.2	262	Pg	14:04:37.36	0.02
			Sg	04:43.33	-0.20
CESS	43.3	283	iPg	14:04:38.41	1.04
			iSg	04:43.87	0.29
DOBS	51.1	305	iPgD	14:04:39.06	0.34
LEGS	54.0	278	iPg	14:04:39.38	0.16
KOGS	65.5	17	Pg	14:04:41.47	0.21
			Sg	04:49.52	-0.99
BOJS	72.3	234	iPg	14:04:42.31	-0.15
GROS	75.1	329	Pg	14:04:42.80	-0.15
			Sg	04:51.94	-1.58
PDKS	80.7	284	iPg	14:04:43.94	0.01
BEHE	88.2	42	Pg	14:04:46.81	1.54
			Sg	04:57.64	0.00

**Földrengés paraméterek**

VISS	91.1	264	iPg	14:04:45.28	-0.51
			eSg	04:59.06	0.49
PERS	108.2	321	Pn	14:04:48.15	-0.44
			Sn	05:01.21	-2.35
SOKA	115.9	320	Pn	14:04:49.13	-0.43
			Sn	05:03.46	-1.81
OBKA	132.3	302	Pn	14:04:52.98	1.38
			Sn	05:08.36	-0.55
BLY	156.3	144	Pn	14:04:54.89	0.31
			Sn	05:13.95	-0.27
ARSA	156.4	346	Pn	14:04:55.21	0.60
			Sn	05:14.38	0.12
PKSV	174.3	90	Pn	14:04:56.42	-0.41
			Sn	05:15.46	-2.77*
RONA	203.1	6	Pn	14:05:01.99	1.56
PKSM	207.2	80	Pn	14:05:00.18	-0.75
MORH	207.4	80	Pn	14:05:00.27	-0.70
PKB4	211.8	71	Pn	14:05:02.02	0.52
PKST	218.1	45	Pn	14:05:02.24	-0.05
MOA	255.7	329	Pn	14:05:08.12	1.13

239.

2020-03-22 time: 15:15:11.91 UTC ML= 2.8  
 lat: 45.874N lon: 16.007E h= 9.4 km  
 erh= 1.3km erz= 0.9km  
 nr= 52 gap= 54 rms=0.63  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.7	307	Pg	15:15:13.58	-0.21
			Sg	15:14.58	-0.68
ZAG	5.1	191	Pg	15:15:14.28	0.46
			Sg	15:15.03	-0.28
GCIS	29.5	268	iPgC	15:15:17.82	0.39
GOLS	33.3	297	iPgD	15:15:18.40	0.31
CRES	43.0	263	Pg	15:15:20.06	0.28
			Sg	15:25.23	-0.69
CESS	43.6	285	iPg	15:15:20.32	0.45
			iSg	15:26.17	0.09
DOBS	51.7	306	iPgD	15:15:21.56	0.27
			eSg	15:27.55	-1.05
LEGS	54.1	279	iPg	15:15:22.11	0.39
			eSg	15:29.11	-0.26
KOGS	66.5	16	Pg	15:15:24.11	0.20
			Sg	15:32.00	-1.26
BOJS	71.8	235	iPg	15:15:24.81	-0.03
GROS	76.0	329	Pg	15:15:25.41	-0.17
			Sg	15:34.41	-1.84
PDKS	80.9	285	iPg	15:15:26.52	0.06
BEHE	88.9	42	Pg	15:15:29.24	1.35
			Sg	15:40.98	0.64
VISS	91.0	265	iPg	15:15:27.84	-0.42
ZAVS	98.1	309	iPg	15:15:29.24	-0.28
GBRS	100.7	248	iPg	15:15:29.58	-0.39
PERS	109.0	321	Pn	15:15:30.76	-0.58
			Sn	15:43.86	-2.62
SOKA	116.7	320	Pn	15:15:31.62	-0.68
			Sn	15:45.70	-2.50
OBKA	132.8	302	Pn	15:15:35.07	0.76
			Sn	15:51.28	-0.50
BLY	155.5	144	Pn	15:15:37.13	0.00
ARSA	157.4	346	Pn	15:15:38.13	0.76
			Sn	15:57.69	0.46
PKSV	174.3	89	Pn	15:15:38.67	-0.81
MPLH	186.0	39	Pn	15:15:40.63	-0.31
PKS9	192.4	66	Pn	15:15:41.08	-0.65
MYKA	200.8	295	Pn	15:15:44.15	1.37
RONA	204.1	6	Pn	15:15:43.84	0.64
SOP	205.5	12	Pn	15:15:43.64	0.27
PKSM	207.4	80	Pn	15:15:42.81	-0.79
MORH	207.7	79	Pn	15:15:42.62	-1.02
PKST	218.8	45	Pn	15:15:44.61	-0.42
PKB5	225.2	69	Pn	15:15:44.90	-0.93

**Hypocenter Parameters**

CONA	228.6	357	Pn	15:15:47.24	0.99
KBA	244.4	303	Pn	15:15:49.26	1.04
PKSG	248.6	47	Pn	15:15:49.93	1.19
MOA	256.6	329	Pn	15:15:51.06	1.32
			Sn	16:19.71	0.47
BIOA	271.1	318	Pn	15:15:52.88	1.33
ABTA	286.1	290	Pn	15:15:54.10	0.67
MODS	294.1	19	ePn	15:15:54.30	-0.12
			eSn	16:23.90	-3.68*
BBLs	349.4	130	Pn	15:16:02.47	1.16*
WTA	369.0	295	Pn	15:16:04.73	0.98*
WATA	376.3	296	Pn	15:16:05.72	1.05*
KHC	405.7	333	ePn	15:16:09.30	0.97*
			eSn	16:51.10	-1.24*
MOTA	409.7	294	Pn	15:16:08.96	0.13*
ZVC	419.1	341	ePn	15:16:11.50	1.50*
			eSn	16:52.30	-3.02*
MORC	448.9	15	Pn	15:16:14.24	0.52*
KRLC	470.7	7	ePn	15:16:16.80	0.36*

240.

2020-03-22 time: 16:21:09.26 UTC ML= 2.2  
 lat: 45.869N lon: 16.027E h= 9.1 km  
 erh= 3.3km erz= 1.9km  
 nr= 12 gap=195 rms=0.62  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	5.1	210	Pg	16:21:11.21	0.08
			Sg	21:12.13	-0.45
PTJ	6.3	303	Pg	16:21:11.21	-0.03
			Sg	21:12.30	-0.48
CRES	44.5	264	Pg	16:21:17.63	0.25
			Sg	21:23.51	-0.20
KOGS	66.6	15	Pg	16:21:21.56	0.29
			Sg	21:29.91	-0.73
GROS	77.3	328	Pg	16:21:24.16	1.00
			Sg	21:32.41	-1.58
PERS	110.4	321	Pn	16:21:29.34	0.44
			Sn	21:42.79	-1.43

241.

2020-03-22 time: 18:00:19.51 UTC ML= 3.0  
 lat: 45.861N lon: 16.018E h= 9.1 km  
 erh= 1.2km erz= 0.8km  
 nr= 58 gap= 64 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	4.0	207	Pg	18:00:21.92	0.63
			Sg	00:22.99	0.32
PTJ	6.3	313	Pg	18:00:21.43	-0.06
			Sg	00:22.46	-0.57
GCIS	30.3	271	iPgD	18:00:25.44	0.28
			iSg	00:29.17	-0.40
GOLS	34.7	299	iPg	18:00:26.07	0.15
CRES	43.7	265	Pg	18:00:27.54	0.05
			Sg	00:33.77	0.06
CESS	44.8	286	iPg	18:00:28.32	0.65
			iSg	00:33.66	-0.38
DOBS	53.2	307	iPg	18:00:29.32	0.17
LEGS	55.2	280	iPg	18:00:29.65	0.15
KOGS	67.7	15	Pg	18:00:31.92	0.21
BOJS	71.6	236	iPg	18:00:31.99	-0.42
			eSg	00:41.52	-0.95
GROS	77.7	329	Pg	18:00:33.24	-0.24
			Sg	00:41.83	-2.54
PDKS	82.1	286	iPg	18:00:34.12	-0.15
VISS	91.8	266	iPg	18:00:35.40	-0.58
GBRS	101.0	249	iPg	18:00:37.02	-0.59
PERS	110.6	321	Pn	18:00:38.53	-0.65

## Hypocenter Parameters

## Földrengés paraméterek

		Sn	00:51.84	-2.68	ZAG	7.6 186	Pg	19:35:52.90	0.37
SOKA	118.4 320	Pn	18:00:39.61	-0.53			Sg	35:53.82	-0.26
		Sn	00:53.45	-2.78	GCIS	29.4 264	iPgC	19:35:56.40	0.42
OBKA	134.3 302	Pn	18:00:42.99	0.86			iSg	36:00.19	-0.04
		Sn	00:59.69	-0.09	GOLS	32.0 293	iPg	19:35:56.88	0.45
CRNS	138.3 280	iPn	18:00:43.25	0.62			eSg	36:01.18	0.15
		eSn	01:01.23	0.57	CESS	42.7 281	iSg	19:36:04.50	0.13
BLY	153.8 144	Pn	18:00:45.06	0.50	CRES	43.2 259	Pg	19:35:58.66	0.28
		Sn	01:04.32	0.23			Sg	36:04.44	-0.06
ARSA	159.0 346	Pn	18:00:45.68	0.47	DOBS	50.0 304	iPgD	19:36:00.01	0.43
		Sn	01:05.86	0.60	LEGS	53.5 276	iPg	19:36:00.71	0.51
PKSV	173.5 89	Pn	18:00:46.83	-0.19			iSg	36:07.00	-0.74
		Sn	01:06.12	-2.35	KOGS	64.2 17	Pg	19:36:02.56	0.47
MPLH	186.6 39	Pn	18:00:48.82	0.17			Sg	36:10.56	-0.54
PKS9	192.2 65	Pn	18:00:48.95	-0.40	BOJS	73.0 233	iPg	19:36:03.39	-0.27
EGYH	200.1 30	Pn	18:00:49.40	-0.94	GROS	73.7 328	Pg	19:36:03.91	0.13
		Sn	01:14.28	-0.10			Sg	36:13.02	-1.09
MYKA	202.2 295	Pn	18:00:51.72	1.13	PKDS	80.0 283	iPg	19:36:05.07	0.17
RONA	205.5 6	Pn	18:00:51.94	0.93	BEHE	87.3 43	Pg	19:36:05.15	-1.04
		Sn	01:15.05	-0.52	VISS	91.0 263	iPg	19:36:06.42	-0.44
SOP	206.7 12	Pn	18:00:51.71	0.55	PERS	106.9 320	Pg	19:36:09.26	-0.42
PKSM	206.8 79	Pn	18:00:50.73	-0.44			Sg	36:22.42	-2.18
MORH	207.1 79	Pn	18:00:50.78	-0.43	SOKA	114.6 319	Pn	19:36:10.21	-0.61
PKB4	211.8 71	Pn	18:00:52.10	0.31			Sn	36:24.41	-2.23
PKST	219.2 45	Pn	18:00:52.57	-0.15	OBKA	131.3 301	Pn	19:36:13.70	0.80
PKB5	225.0 69	Pn	18:00:52.70	-0.74			Sn	36:29.24	-1.10
CONA	230.1 357	Pn	18:00:55.33	1.25	ARSA	154.9 346	Pn	19:36:16.63	0.78
MOA	258.3 329	Pn	18:00:58.90	1.31			Sn	36:35.39	-0.20
		Sn	01:26.54	-0.75	BLY	157.6 144	Pn	19:36:16.04	-0.15
PKB2	264.5 70	Pn	18:00:58.34	-0.02			Sn	36:35.56	-0.63
		Sn	01:28.27	-0.40	PKSV	174.5 90	Pn	19:36:17.63	-0.66
BIOA	272.8 318	Pn	18:01:00.50	1.10			Sn	36:36.76	-3.18*
		Sn	01:31.21	0.70	MPLH	184.2 40	Pn	19:36:20.37	0.87
SRO	278.9 39	ePn	18:00:58.40	-1.76			Sn	36:42.68	0.60
ABTA	287.5 290	Pn	18:01:02.53	1.30	MYKA	199.5 294	Pn	19:36:22.64	1.24
MODS	295.2 19	ePn	18:01:02.20	0.00	RONA	201.6 6	Pn	19:36:22.77	1.10
		eSn	01:31.70	-3.79*	SOP	203.1 12	Pn	19:36:22.97	1.12
FRGS	307.2 105	Pn	18:01:03.13	-0.56*	PKSM	207.1 80	Pn	19:36:21.48	-0.88
BBLS	347.8 130	Pn	18:01:09.94	1.19*	MORH	207.4 80	Pn	19:36:21.49	-0.90
KRUC	357.0 5	Pn	18:01:10.20	0.30*	CONA	226.1 357	Pn	19:36:26.54	1.82
		Sn	01:46.20	-3.00*	MOA	254.3 329	Pn	19:36:29.46	1.22
WTTA	370.4 295	Pn	18:01:12.19	0.63*			Sn	36:57.78	0.14
PSZ	373.6 52	PnC	18:01:12.14	0.17*	MODS	291.8 19	ePn	19:36:33.70	0.78
WATA	377.7 296	Pn	18:01:12.32	-0.16*	KHC	403.3 333	ePn	19:36:48.10	1.28*
		Sn	01:56.14	2.34*			eSn	37:29.40	-1.32*
TREC	383.8 354	ePn	18:01:14.10	0.85*	ZVC	416.6 341	ePn	19:36:50.20	1.72*
VRAC	385.7 6	PnC	18:01:13.54	0.06*			eSn	37:30.90	-2.78*
SQTA	398.6 292	Pn	18:01:16.56	1.47*					
KHC	407.4 333	ePn	18:01:17.20	1.02*					
		eSn	01:58.30	-2.08*					
MOTA	411.1 294	Pn	18:01:16.88	0.24*					
BZS	436.6 94	PnC	18:01:20.37	0.54*					
PRU	472.0 346	ePn	18:01:25.40	1.17*					
KRLC	472.0 7	ePn	18:01:25.10	0.86*					
DPC	499.7 3	ePn	18:01:28.20	0.51*					
		eSn	02:41.60	20.74*					
HERR	512.9 102	PnC	18:01:30.90	1.56*					
GZR	529.7 96	PnC	18:01:32.18	0.75*					
NKC	554.2 331	ePn	18:01:34.20	-0.29*					
		eSn	02:28.40	-4.57*					
MARR	554.9 81	PnD	18:01:35.10	0.53*					
VOIR	705.7 94	PnD	18:01:53.42	0.05*					
<b>242.</b>									
2020-03-22 time: 19:35:50.54 UTC ML= 2.4									
lat: 45.897N lon: 16.003E h= 8.1 km									
erh= 1.4km erz= 1.1km									
nr= 44 gap= 54 rms=0.66									
Locality: Croatia									
Comments:									
sta	dist	azm	phase	hr	mn	sec	res		
PTJ	3.5	276	Pg	19:35:52.12			0.00		
			Sg	35:53.06			-0.30		
<b>243.</b>									
2020-03-22 time: 21:43:52.28 UTC ML= 2.2									
lat: 45.917N lon: 16.014E h= 7.8 km									
erh= 1.7km erz= 1.3km									
nr= 21 gap=128 rms=0.54									
Locality: Croatia									
Comments:									
sta	dist	azm	phase	hr	mn	sec	res		
PTJ	4.7	246	Pg	21:43:53.75			-0.16		
			Sg	43:54.80			-0.38		
ZAG	9.9	189	Pg	21:43:54.47			-0.06		
			Sg	43:55.56			-0.73		
GCIS	30.5	260	iPg	21:43:58.23			0.33		
CESS	43.1	278	iSg	21:44:06.67			0.46		
CRES	44.4	257	Pg	21:44:00.44			0.11		
			Sg	44:07.21			0.60		
DOBS	49.4	302	iPg	21:44:01.82			0.60		
LEGS	54.1	274	iPg	21:44:02.37			0.33		
KOGS	61.8	17	Pg	21:44:04.07			0.66		
			Sg	44:11.93			-0.15		
GROS	72.2	327	Pg	21:44:05.57			0.32		
			Sg	44:14.37			-1.00		
PERS	105.6	319	Pg	21:44:10.68			-0.52		
			Sg	44:24.17			-1.79		
SOKA	113.4	318	Pn	21:44:11.92			-0.54		



## Földrengés paraméterek

## Hypocenter Parameters

OBKA 130.8 300 Sn 44:25.72 -2.49\*  
 ARSA 152.9 346 Sn 21:44:31.66 -0.40  
 BLY 159.0 145 Sn 21:44:37.75 0.78  
 BLY 159.0 145 Sn 21:44:38.21 -0.11

244.

2020-03-22 time: 22:10:08.05 UTC ML= 2.0  
 lat: 45.910N lon: 16.000E h= 10.1 km  
 erh= 2.7km erz= 2.0km  
 nr= 21 gap=165 rms=0.74  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.4	251	Pg	22:10:09.58	-0.37
			Sg	10:10.62	-0.81
ZAG	9.0	183	Pg	22:10:10.27	-0.19
			Sg	10:10.97	-1.37
GCIS	29.3	261	iPg	22:10:14.03	0.44
			iSg	10:17.98	0.08
GOLS	31.2	291	ePg	22:10:15.04	1.13
CESS	42.2	280	iSg	22:10:22.35	0.50
CRES	43.2	258	Pg	22:10:16.11	0.14
			Sg	10:20.92	-1.23
DOBS	49.0	303	iPg	22:10:17.75	0.77
LEGS	53.1	275	iPg	22:10:18.32	0.61
			eSg	10:25.05	-0.18
KOGS	62.9	18	Pg	22:10:19.97	0.54
			Sg	10:27.98	-0.32
GROS	72.3	328	Sg	22:10:30.14	-1.13
PERS	105.6	320	P*	22:10:27.61	0.69
			S*	10:39.97	-1.67
SOKA	113.3	319	Pn	22:10:27.37	-0.56
			Sn	10:41.81	-1.63
OBKA	130.3	301	Sn	22:10:47.61	0.40

245.

2020-03-22 time: 23:44:32.32 UTC ML= 2.4  
 lat: 45.897N lon: 16.024E h= 8.0 km  
 erh= 1.6km erz= 1.2km  
 nr= 28 gap= 64 rms=0.60  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.1	273	PgD	23:44:33.98	-0.04
			Sg	44:35.03	-0.31
ZAG	8.0	197	PgD	23:44:34.46	0.12
			Sg	44:35.38	-0.53
GCIS	31.0	264	iPgC	23:44:38.31	0.27
			iSg	44:42.26	-0.23
GOLS	33.4	292	iPg	23:44:39.07	0.61
CRES	44.8	260	Pg	23:44:40.69	0.25
			Sg	44:46.87	0.09
DOBS	51.3	303	iPg	23:44:42.02	0.43
LEGS	55.1	276	iPg	23:44:42.59	0.32
			iSg	44:49.38	-0.64
KOGS	63.7	16	Pg	23:44:44.21	0.43
			Sg	44:52.06	-0.66
GROS	74.5	327	Pg	23:44:45.81	0.11
			Sg	44:54.62	-1.52
PERS	107.8	320	Pg	23:44:51.26	-0.37
			Sg	45:04.88	-1.82
SOKA	115.6	319	Sn	23:45:07.34	-1.35
OBKA	132.6	301	Pn	23:44:55.93	1.06
			Sn	45:11.91	-0.55
ARSA	155.2	346	Pn	23:44:58.56	0.87
			Sn	45:18.58	1.10
BLY	156.7	145	Pn	23:44:57.96	0.08
			Sn	45:17.12	-0.70
PKSM	205.5	80	Pn	23:45:02.70	-1.27
MORH	205.8	80	Pn	23:45:03.47	-0.53
MODS	291.2	19	ePn	23:45:14.40	-0.25

246.

2020-03-23 time: 0:04:22.74 UTC ML= 2.2  
 lat: 45.915N lon: 16.006E h= 5.6 km  
 erh= 1.3km erz= 1.1km  
 nr= 22 gap=127 rms=0.43  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.1	246	Pg	0:04:23.98	0.00
			Sg	04:24.82	-0.12
ZAG	9.6	186	PgD	0:04:24.74	0.01
			Sg	04:25.82	-0.46
GCIS	29.9	260	iPg	0:04:28.55	0.39
			iSg	04:32.47	0.08
CRES	43.8	257	Pg	0:04:30.91	0.29
			Sg	04:36.72	-0.04
DOBS	49.0	302	iPg	0:04:32.03	0.48
KOGS	62.2	18	Pg	0:04:34.16	0.27
			Sg	04:42.06	-0.52
GROS	72.1	327	Pg	0:04:35.60	-0.05
			Sg	04:45.00	-0.72
PERS	105.4	319	Pg	0:04:41.21	-0.38
			Sg	04:55.90	-0.40
SOKA	113.2	319	Pg	0:04:43.07	0.09
			Sg	04:57.37	-1.39
OBKA	130.4	300	Pn	0:04:46.60	1.29
			Sn	05:02.24	-0.68
ARSA	153.0	346	Pn	0:04:48.24	0.11
			Sn	05:08.26	0.33
BLY	159.2	145	Sn	0:05:08.39	-0.91

247.

2020-03-23 time: 0:46:51.45 UTC ML= 2.2  
 lat: 45.918N lon: 16.021E h= 3.4 km  
 erh= 3.4km erz= 4.5km  
 nr= 12 gap=175 rms=0.79  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.3	248	Pg	0:46:52.52	-0.04
			Sg	46:53.47	0.04
ZAG	10.1	192	Pg	0:46:53.26	-0.09
			Sg	46:54.13	-0.70
CRES	45.0	257	Pg	0:46:59.51	0.01
			Sg	47:05.24	-0.54
KOGS	61.6	17	Pg	0:47:02.83	0.37
			Sg	47:10.61	-0.44
GROS	72.5	326	Pg	0:47:06.26	1.85
			Sg	47:13.71	-0.80
PERS	106.0	319	Sg	0:47:22.34	-2.81
ARSA	153.0	346	Sn	0:47:36.80	-0.36

248.

2020-03-23 time: 2:00:29.98 UTC ML= 3.2  
 lat: 45.890N lon: 16.031E h= 7.8 km  
 erh= 1.2km erz= 0.8km  
 nr= 91 gap= 58 rms=0.73  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.8	281	Pg	2:00:31.66	-0.05
			Sg	00:32.84	-0.22
ZAG	7.4	203	Pg	2:00:32.29	0.39
			Sg	00:34.00	0.61
GCIS	31.4	265	iPgC	2:00:35.99	0.23
			iSg	00:39.91	-0.36
GOLS	34.3	293	iPgD	2:00:36.53	0.28
CESS	45.0	282	iPg	2:00:38.88	0.75

**Hypocenter Parameters**

**Földrengés paraméterek**

		iSg	00:44.23	-0.27			Sn	01:39.76	-1.12				
CRES	45.2	261	Pg	2:00:38.07	-0.09	PKS6	283.7	74	Sn	2:01:40.70	-2.99*		
			Sg	00:44.05	-0.49	ABTA	287.3	289	Pn	2:01:13.40	1.57		
DOBS	52.2	304	iPgD	2:00:39.71	0.31				Sn	01:45.41	0.93		
LEGS	55.7	277	iPgC	2:00:40.17	0.15	BUD	289.5	52	Pn	2:01:12.52	0.41		
KOGS	64.3	15	Pg	2:00:41.95	0.41	MODS	291.8	19	ePn	2:01:12.50	0.10		
			Sg	00:50.16	-0.40				eSn	01:41.60	-3.89*		
BOJS	74.3	235	iPg	2:00:42.76	-0.56	A337	293.8	27	Sn	2:01:44.74	-1.20*		
			eSg	00:52.75	-0.98	A338	295.0	37	Sn	2:01:45.34	-0.86*		
GROS	75.5	327	Pg	2:00:43.53	0.00	FRGS	307.0	106	Pn	2:01:15.17	0.88*		
			Sg	00:52.62	-1.47				Sn	01:46.06	-2.80*		
PKKS	82.3	283	iPgC	2:00:44.63	-0.11	SMOL	310.3	20	eSn	2:01:46.30	-3.29*		
BEHE	86.4	42	Pg	2:00:46.05	0.59	KRUC	353.7	4	Pn	2:01:20.26	0.15*		
VISS	93.1	264	iPg	2:00:46.01	-0.65				Sn	01:56.31	-2.91*		
			eSg	00:58.51	-1.15	PSZ	370.8	53	PnC	2:01:21.16	-1.09*		
ZAVS	98.5	308	iPg	2:00:47.56	-0.06	VRAC	382.4	6	Pn	2:01:23.76	0.07*		
			eSg	00:59.19	-2.19				Sn	02:02.40	-3.19*		
GBR5	103.1	247	iPg	2:00:47.80	-0.64	SQTA	398.3	292	Pn	2:01:27.80	2.13*		
			eSg	01:01.70	-1.15				Sn	02:08.80	-0.32*		
VNDS	105.7	283	iPg	2:00:48.41	-0.49	KHC	404.9	333	ePn	2:01:27.90	1.40*		
			eSg	01:02.96	-0.69				eSn	02:09.30	-1.29*		
PERS	108.8	320	Pg	2:00:48.83	-0.63	MOTA	410.6	293	Pn	2:01:28.06	0.85*		
			Sg	01:02.07	-2.58				Sn	02:11.85	0.00*		
SOKA	116.6	319	Pn	2:00:49.77	-0.78	ZVC	418.0	341	ePn	2:01:29.70	1.56*		
			Sn	01:03.46	-3.13				eSn	02:10.60	-2.90*		
LJU	117.8	278	iPn	2:00:51.26	0.56	FETA	426.3	287	Pn	2:01:30.09	0.92*		
			eSn	01:05.82	-1.04				Sn	02:15.71	0.38*		
GBAS	123.4	272	iPn	2:00:51.02	-0.37	MORC	446.7	15	Sn	2:02:17.23	-2.64*		
			eSn	01:06.68	-1.42	KRLC	468.7	7	ePn	2:01:35.80	1.35*		
CEY	125.8	262	iPnD	2:00:52.58	0.88				eSn	02:22.30	-2.45*		
			eSn	01:07.58	-1.07	PRU	469.1	346	ePn	2:01:35.60	1.10*		
MOZS	130.7	290	iPn	2:00:52.61	0.30	DAVA	496.3	288	Pn	2:01:37.84	-0.05*		
			eSn	01:09.73	-0.01				Sn	02:28.37	-2.50*		
OBKA	133.5	301	Pn	2:00:53.08	0.42	HERR	512.5	103	PnC	2:01:37.61	-2.30*		
			Sn	01:09.08	-1.27				Sn	02:30.90	-3.56*		
CRNS	138.8	279	iPn	2:00:53.80	0.49	DRGR	524.0	79	Sn	2:02:32.45	-4.56*		
			eSn	01:11.08	-0.43	PVCC	527.0	348	ePn	2:01:42.60	0.87*		
JAVS	152.7	270	iPn	2:00:55.93	0.88	GZR	528.8	96	PnC	2:01:40.06	-1.89*		
			eSn	01:14.64	0.04				Sn	02:34.60	-3.49*		
BLY	155.8	145	Pn	2:00:55.26	-0.17	MARR	553.2	81	PnD	2:01:43.17	-1.82*		
			Sn	01:14.38	-0.91				Sn	02:39.30	-4.20*		
ARSA	156.2	346	Pn	2:00:55.92	0.44								
SKDS	161.6	256	iPn	2:00:57.40	1.24								
GORS	164.1	287	ePn	2:00:58.13	1.66								
			eSn	01:18.06	0.92								
VOJS	166.9	275	ePn	2:00:58.73	1.91								
PKSV	172.4	90	Pn	2:00:56.90	-0.61								
			Sn	01:15.96	-3.02								
CADS	181.5	282	ePn	2:01:00.45	1.81								
			eSn	01:23.21	2.22								
TIH	182.0	52	Pn	2:00:59.78	1.08								
MPLH	183.4	39	Pn	2:00:58.93	0.05								
			Sn	01:20.27	-1.16	sta	dist	azm	phase	hr	mn	sec	res
PKS9	189.9	66	Pn	2:00:59.02	-0.67	PTJ	5.2	277	Pg	4:15:38.92		-0.16	
EGYH	196.8	30	Pn	2:01:01.02	0.47	ZAG	7.7	198	Sg	15:39.91		-0.52	
			Sn	01:23.90	-0.50				Pg	4:15:39.64		0.29	
ROBS	199.0	281	iPn	2:01:03.50	2.67				Sg	15:40.28		-0.63	
MYKA	201.7	294	Pn	2:01:02.14	0.97	GCIS	31.0	264	iPgC	4:15:43.27		0.19	
			Sn	01:26.64	1.15				iSg	15:47.13		-0.41	
RONA	202.2	6	Pn	2:01:02.34	1.12	GOLS	33.6	293	iPgC	4:15:43.77		0.24	
			Sn	01:24.49	-1.10	CRES	44.8	260	Pg	4:15:45.56		0.08	
SOP	203.4	11	Pn	2:01:01.91	0.54	DOBS	51.5	303	iPg	4:15:47.02		0.35	
PKSM	205.2	80	Pn	2:01:00.61	-0.98	LEGS	55.2	276	iPgD	4:15:47.53		0.21	
MORH	205.5	80	Pn	2:01:00.64	-0.99	KOGS	63.9	16	Pg	4:15:49.26		0.40	
PKB4	209.7	71	Pn	2:01:01.22	-0.94				Sg	15:57.27		-0.57	
PKST	216.2	45	Pn	2:01:02.58	-0.39	BOJS	74.2	234	iPg	4:15:50.49		-0.19	
CSKK	236.6	46	Pn	2:01:05.45	-0.06	GROS	74.8	327	Pg	4:15:50.76		-0.03	
KBA	244.9	303	Pn	2:01:06.97	0.42				Sg	15:59.76		-1.51	
			Sn	01:34.88	-0.20	PKKS	81.7	283	iPg	4:15:51.93		-0.09	
PKSG	246.0	47	Pn	2:01:06.44	-0.24	BEHE	86.3	42	Pg	4:15:53.74		0.91	
A339	248.6	30	Sn	2:01:36.14	0.24				Sg	16:03.76		-1.15	
MOA	256.0	328	Pn	2:01:09.55	1.61	PERS	108.1	320	Pg	4:15:56.16		-0.56	
			Sn	01:36.76	-0.78				Sg	16:09.21		-2.61	
ZST	269.0	18	Pn	2:01:09.41	-0.14	SOKA	115.9	319	Pn	4:15:57.42		-0.37	
BIOA	271.1	318	Pn	2:01:10.37	0.56				Sn	16:11.40		-2.34	
						OBKA	132.9	301	Pn	4:16:00.93		1.02	

249.

2020-03-23 time: 4:15:37.35 UTC ML= 2.4  
 lat: 45.895N lon: 16.025E h= 8.1 km  
 erh= 1.3km erz= 0.9km  
 nr= 46 gap= 54 rms=0.60  
 Locality: Croatia  
 Comments:

**Földrengés paraméterek**

**Hypocenter Parameters**

		Sn	16:16.90	-0.60	
CRNS	138.2	279	iPn	4:16:00.98	0.40
ARSA	155.6	346	Pn	4:16:03.36	0.62
			Sn	16:21.67	-0.87
BLY	156.4	144	Pn	4:16:02.66	-0.19
			Sn	16:22.26	-0.47
PKSV	172.9	90	Pn	4:16:04.11	-0.79
MPLH	183.3	39	Pn	4:16:06.93	0.73
			Sn	16:28.38	-0.32
MYKA	201.1	294	Pn	4:16:08.60	0.18
			Sn	16:32.69	0.04
RONA	201.7	6	Pn	4:16:09.77	1.27
SOP	203.0	12	Pn	4:16:09.05	0.40
PKSM	205.5	80	Pn	4:16:08.04	-0.93
MORH	205.8	80	Pn	4:16:08.09	-0.91
PKB4	210.0	71	Pn	4:16:09.71	0.18
PKST	216.2	45	Pn	4:16:10.62	0.32
CONA	226.4	357	Pn	4:16:13.00	1.42
KBA	244.3	303	Pn	4:16:14.63	0.83
			Sn	16:41.43	-0.80
MOA	255.4	328	Pn	4:16:16.59	1.41
			Sn	16:44.53	-0.16
MODS	291.5	19	ePn	4:16:19.50	-0.19
			eSn	16:48.70	-4.02*
KHC	404.3	333	ePn	4:16:34.90	1.15*
			eSn	17:17.00	-0.75*

250.

2020-03-23 time: 6:41:57.36 UTC ML= 2.3  
 lat: 45.922N lon: 16.022E h= 5.8 km  
 erh= 1.7km erz= 1.8km  
 nr= 18 gap=175 rms=0.47  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.5	243	Pg	6:41:58.68			-0.12
			Sg	41:59.72			-0.19
ZAG	10.6	192	Pg	6:41:59.46			-0.06
			Sg	42:00.56			-0.65
GCIS	31.2	259	iPg	6:42:03.57			0.54
			iSg	42:07.37			-0.08
GOLS	32.3	288	iPg	6:42:04.00			0.77
			eSg	42:08.23			0.43
CRES	45.1	256	Pg	6:42:05.71			0.22
			Sg	42:11.69			-0.14
KOGS	61.0	17	Pg	6:42:08.75			0.44
			Sg	42:16.26			-0.59
GROS	72.1	326	Pg	6:42:10.33			0.06
			Sg	42:19.26			-1.09
PERS	105.6	319	Pg	6:42:15.82			-0.43
			Sg	42:30.44			-0.54
OBKA	131.0	300	Sn	6:42:36.95			-0.69
ARSA	152.5	345	Sn	6:42:43.54			1.13

251.

2020-03-23 time: 7:16:22.74 UTC ML= 0.7  
 lat: 47.211N lon: 18.188E h= 0.0 km  
 erh= 1.8km erz= 528km  
 nr= 8 gap=132 rms=0.37  
 Locality: Bakonykúti  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	12.8	295	Pg	7:16:25.30			0.27
			Sg	16:26.53			-0.28
CSKK	17.8	18	Pg	7:16:25.94			0.03
			Sg	16:27.99			-0.40
PKSG	25.3	37	Pg	7:16:26.98			-0.27
			Sg	16:31.34			0.57
PKSM	116.4	163	Pg	7:16:43.73			0.22
			Sg	16:57.87			-1.85

252.

2020-03-23 time: 7:19:23.22 UTC ML= 0.6  
 lat: 47.198N lon: 18.180E h= 0.0 km  
 erh= 2.7km erz= 624km  
 nr= 7 gap=139 rms=0.42  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	13.0	302	Pg	7:19:25.76			0.22
CSKK	19.4	18	Pg	7:19:26.27			-0.41
			Sg	19:29.42			0.04
PKSG	26.8	36	Pg	7:19:27.69			-0.32
			Sg	19:32.27			0.52
PKSM	115.1	162	Pg	7:19:44.36			0.58
			Sg	19:59.19			-0.63

253.

2020-03-23 time: 10:28:04.34 UTC ML= 1.6  
 lat: 48.585N lon: 20.771E h= 0.0 km  
 erh= 1.8km erz= 616km  
 nr= 10 gap=112 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.9	242	Pg	10:28:08.69			0.08
			Sg	28:11.19			-0.75
ABAH	47.3	133	Pg	10:28:12.15			-0.64
			Sg	28:19.94			0.56
NIE	98.6	340	Pg	10:28:22.38			0.44
			Sg	28:35.51			-0.16
PSZ	98.7	221	Pg	10:28:22.64			0.68
			Sg	28:35.66			-0.04
STHS	98.7	21	ePg	10:28:22.00			0.03
LANS	114.4	303	ePg	10:28:24.20			-0.57

254.

2020-03-23 time: 16:39:17.57 UTC ML= 2.1  
 lat: 45.907N lon: 16.012E h= 9.1 km  
 erh= 1.8km erz= 1.4km  
 nr= 18 gap=172 rms=0.45  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.3	259	Pg	16:39:19.14			-0.23
			Sg	39:19.97			-0.80
ZAG	8.8	189	Pg	16:39:19.85			0.02
			Sg	39:21.10			-0.50
GCIS	30.2	262	iPg	16:39:23.56			0.36
			iSg	39:27.52			-0.07
GOLS	32.2	291	iPg	16:39:24.38			0.84
CRES	44.0	258	Pg	16:39:25.69			0.09
			Sg	39:31.46			-0.41
DOBS	49.9	303	iPg	16:39:27.20			0.57
			iSg	39:34.11			0.41
KOGS	62.9	17	Sg	16:39:37.56			-0.21
GROS	73.1	327	Pg	16:39:30.87			0.15
			Sg	39:40.03			-0.95
PERS	106.4	320	Pg	16:39:36.36			-0.28
			Sg	39:49.39			-2.13*
SOKA	114.2	319	Sn	16:39:53.38			0.02
OBKA	131.3	301	Sn	16:39:56.54			-0.61

## Hypocenter Parameters

## Földrengés paraméterek

255.

2020-03-23 time: 17:16:48.73 UTC ML= 1.7  
 lat: 46.280N lon: 19.802E h= 7.9 km  
 erh= 2.8km erz= 2.3km  
 nr= 20 gap=145 rms=0.67  
 Locality: Ruzsa  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ID77	7.6	313	Pg	17:16:50.68			0.00
			Sg	16:51.72			-0.49
PKS6	40.0	333	Pg	17:16:56.73			0.72
			Sg	17:01.99			0.31
PKB3	49.4	289	Sg	17:17:04.74			0.11
PKS2	51.1	298	Pg	17:16:58.66			0.70
			Sg	17:05.81			0.66
ID78	52.0	275	Sg	17:17:06.02			0.58
PKB2	61.4	316	Pg	17:16:59.10			-0.69
			Sg	17:08.18			-0.24
PKB5	89.1	293	Sg	17:17:17.31			0.14
MORH	89.6	265	Pg	17:17:04.97			0.19
			Sg	17:15.36			-1.95
PKSM	89.8	265	Pg	17:17:04.88			0.05
			Sg	17:15.67			-1.72
PKB4	95.2	285	Sg	17:17:18.21			-0.90
PKS7	98.4	330	Sg	17:17:19.63			-0.48
PKSV	127.5	250	Pn	17:17:11.08			0.43
			Sn	17:28.49			0.74
BZS	158.9	118	Sn	17:17:32.91			-1.79

256.

2020-03-23 time: 19:49:51.43 UTC ML= 2.9  
 lat: 45.873N lon: 16.004E h= 8.2 km  
 erh= 1.3km erz= 0.8km  
 nr= 80 gap= 54 rms=0.74  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.7	311	Pg	19:49:53.36			0.24
			Sg	49:54.42			-0.02
ZAG	4.9	189	Pg	19:49:53.60			0.47
			Sg	49:54.41			-0.05
GCIS	29.3	269	iPgD	19:49:57.16			0.31
			iSg	50:00.79			-0.30
GOLS	33.2	298	iPgD	19:49:57.84			0.30
			iSg	50:02.53			0.23
CRES	42.8	263	Pg	19:49:59.26			0.04
			Sg	50:05.26			-0.03
CESS	43.4	285	iPg	19:49:59.80			0.48
			iSg	50:05.50			0.02
DOBS	51.6	307	iPgD	19:50:01.08			0.32
LEGS	53.9	279	iPgD	19:50:01.31			0.14
			eSg	50:07.88			-0.89
KOGS	66.8	17	Pg	19:50:04.06			0.62
			Sg	50:12.46			-0.35
BOJS	71.5	235	iPg	19:50:03.74			-0.54
GROS	76.1	329	Pg	19:50:05.16			0.07
			Sg	50:14.21			-1.54
PKS	80.8	285	iPgD	19:50:05.81			-0.12
			iSg	50:15.36			-1.88
BEHE	89.2	42	Pg	19:50:06.80			-0.63
VISS	90.8	265	iPgC	19:50:07.08			-0.63
ZAVS	98.1	310	iPg	19:50:08.94			-0.07
GBRS	100.4	248	iPg	19:50:08.76			-0.66
VNDS	104.1	284	iPgD	19:50:09.43			-0.65
			eSg	50:23.20			-1.43
PERS	109.0	321	Pg	19:50:10.41			-0.54
			Sg	50:23.85			-2.33
LJU	116.1	279	iPn	19:50:11.56			-0.33
			iSn	50:27.13			-0.71
SOKA	116.7	320	Pn	19:50:11.45			-0.52
			Sn	50:25.98			-2.01

GBAS	121.4	273	iPnD	19:50:12.05			-0.50
CEY	123.5	263	iPn	19:50:13.21			0.39
			eSn	50:28.63			-0.87
MOZS	129.5	291	iPnD	19:50:13.72			0.16
			eSn	50:30.37			-0.46
KNDS	132.1	253	iPnD	19:50:14.60			0.71
			eSn	50:31.29			-0.12
OBKA	132.8	302	Pn	19:50:14.55			0.58
			Sn	50:30.44			-1.12
CRNS	137.0	280	iPn	19:50:14.79			0.29
			eSn	50:31.93			-0.57
JAVS	150.6	271	iPn	19:50:17.14			0.95
			eSn	50:36.10			0.59
BLY	155.4	143	Pn	19:50:16.51			-0.28
			Sn	50:35.12			-1.46
ARSA	157.6	346	Pn	19:50:18.05			0.99
			Sn	50:36.17			-0.89
SKDS	159.1	257	ePn	19:50:18.80			1.54
			eSn	50:38.87			1.47
GORS	162.7	288	iPn	19:50:18.92			1.22
			eSn	50:38.80			0.60
VOJS	165.1	276	iPn	19:50:19.08			1.08
PKSV	174.5	89	Pn	19:50:18.39			-0.79
CADS	179.9	283	iPn	19:50:21.57			1.73
			eSn	50:44.07			2.06
MPLH	186.3	39	Pn	19:50:21.25			0.61
ROBS	197.4	282	ePn	19:50:23.81			1.78
			eSn	50:47.82			1.91
MYKA	200.7	295	Pn	19:50:22.99			0.55
			Sn	50:44.88			-1.75
RONA	204.4	6	Pn	19:50:24.14			1.24
SOP	205.7	12	Pn	19:50:24.27			1.20
PKSM	207.6	80	Pn	19:50:22.10			-1.20
MORH	207.9	79	Pn	19:50:22.31			-1.03
PKST	219.1	45	Pn	19:50:24.74			0.01
PKB5	225.5	69	Pn	19:50:25.03			-0.50
CONA	228.8	357	Pn	19:50:27.29			1.34
KBA	244.3	303	Pn	19:50:28.31			0.43
			Sn	50:56.81			0.50
PKB3	254.0	76	Pn	19:50:28.21			-0.88
MOA	256.7	329	Pn	19:50:30.84			1.42
			Sn	50:58.14			-0.91
BIOA	271.2	318	Pn	19:50:32.49			1.26
			Sn	51:01.85			-0.42
ABTA	286.0	290	Pn	19:50:33.53			0.45
MODS	294.4	19	ePn	19:50:34.00			-0.12
			eSn	51:04.80			-2.62*
FRGS	308.5	105	Pn	19:50:35.21			-0.68*
BBLs	349.4	130	Pn	19:50:41.46			0.48*
WTTA	368.9	295	Pn	19:50:41.29			-2.12*
			Sn	51:23.67			-0.28*
WATA	376.2	296	Pn	19:50:46.43			2.10*
			Sn	51:27.43			1.84*
SQTA	397.2	292	Pn	19:50:49.64			2.70*
			Sn	51:31.48			1.25*
KHC	405.8	333	ePn	19:50:49.10			1.09*
			eSn	51:30.10			-2.05*
MOTA	409.6	294	Pn	19:50:49.42			0.94*
			Sn	51:33.05			0.06*
ZVC	419.2	341	ePn	19:50:50.90			1.21*
			eSn	51:32.50			-2.63*
FETA	425.0	287	Pn	19:50:50.44			0.04*
			Sn	51:35.89			-0.52*
BZS	437.7	94	Pn	19:50:51.31			-0.68*
DAVA	495.0	289	Pn	19:50:58.56			-0.58*

257.

2020-03-24 time: 5:12:40.86 UTC ML= 2.3  
 lat: 45.915N lon: 16.002E h= 7.8 km  
 erh= 1.4km erz= 1.3km  
 nr= 20 gap=140 rms=0.43  
 Locality: Croatia  
 Comments:

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PTJ	3.8	244	Pg	5:12:42.24	-0.16
			Sg	12:43.27	-0.33
ZAG	9.6	184	Pg	5:12:42.84	-0.22
			Sg	12:43.72	-1.06
GCIS	29.6	260	iPg	5:12:46.57	0.26
			iSg	12:50.79	0.22
CESS	42.3	279	iSg	5:12:54.97	0.45
CRES	43.5	257	Pg	5:12:48.79	0.05
			Sg	12:54.71	-0.18
LEGS	53.2	274	iPg	5:12:50.63	0.17
KOGS	62.3	18	Pg	5:12:52.51	0.45
			Sg	13:00.33	-0.47
GROS	71.9	328	Pg	5:12:53.97	0.20
			Sg	13:03.73	-0.12
PKKS	79.5	282	iPg	5:12:55.40	0.28
BEHE	85.9	44	Pg	5:12:56.06	-0.19
PERS	105.2	320	Sg	5:13:12.57	-1.83
SOKA	113.0	319	Sn	5:13:15.35	-1.34
OBKA	130.1	300	Sn	5:13:20.25	-0.25
EGYH	195.5	31	Pn	5:13:12.49	1.21

258.

2020-03-24 time: 10:02:37.35 UTC ML= 1.1  
 lat: 47.220N lon: 18.294E h= 0.0 km  
 erh= 2.6km erz= 577km  
 nr= 9 gap=146 rms=0.46  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.2	351	Pg	10:02:40.19	-0.05
			Sg	02:42.14	-0.35
PKST	20.1	283	Pg	10:02:41.02	0.08
			Sg	02:43.77	0.02
PKSG	20.5	21	Pg	10:02:40.97	-0.04
			Sg	02:44.59	0.72
MPLH	57.4	265	Pg	10:02:48.05	0.45
			Sg	02:54.87	-0.73
MORH	114.8	166	Sg	10:03:11.81	-2.02

259.

2020-03-24 time: 10:15:41.89 UTC ML= 2.5  
 lat: 45.894N lon: 16.112E h= 10.0 km  
 erh= 5.1km erz= 3.9km  
 nr= 8 gap=223 rms=0.72  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CRES	51.5	262	Pg	10:15:51.31	0.05
			Sg	15:57.27	-1.29
KOGS	62.5	10	Sg	10:16:01.32	-0.70
GROS	78.7	323	Pg	10:15:56.92	0.86
			Sg	16:07.38	0.26
BEHE	82.0	39	Pg	10:15:56.49	-0.15
PERS	112.7	317	Sn	10:16:16.25	-0.90
OBKA	138.7	300	Sn	10:16:24.26	1.33

260.

2020-03-24 time: 13:36:19.42 UTC ML= 2.1  
 lat: 48.182N lon: 21.319E h= 0.0 km  
 erh= 2.7km erz= 4.2km  
 nr= 7 gap=179 rms=0.54  
 Locality: Bodrogkiszalud  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	13.9	335	PgU	13:36:22.03	0.13
			Sg	36:23.71	-0.14
KECS	70.3	298	Pg	13:36:31.95	-0.01
			Sg	36:40.00	-1.75

LTVH	98.8	154	Sg	13:36:50.78	-0.05
PSZ	110.2	255	Sg	13:36:54.60	0.16
NIE	156.1	332	Sn	13:37:07.68	1.10

261.

2020-03-24 time: 16:26:17.15 UTC ML= 2.3  
 lat: 45.922N lon: 16.003E h= 2.1 km  
 erh= 4.0km erz= 8.7km  
 nr= 11 gap=217 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.2	236	Pg	16:26:17.96	-0.03
			Sg	26:18.84	0.19
ZAG	10.3	184	Pg	16:26:18.72	-0.31
			Sg	26:19.90	-0.59
CRES	43.7	256	Pg	16:26:25.51	0.55
			Sg	26:30.94	-0.12
GROS	71.4	327	Pg	16:26:30.76	0.86
			Sg	26:39.11	-0.73
PERS	104.7	319	Pg	16:26:36.45	0.59
			Sg	26:48.51	-1.94
SOKA	112.5	318	Sg	16:26:51.72	-1.20

262.

2020-03-24 time: 18:33:17.70 UTC ML= 2.4  
 lat: 45.889N lon: 16.020E h= 9.0 km  
 erh= 1.9km erz= 1.2km  
 nr= 27 gap= 64 rms=0.68  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.9	284	Pg	18:33:19.42	-0.12
			Sg	33:20.23	-0.73
ZAG	7.0	196	Pg	18:33:20.20	0.46
			Sg	33:20.86	-0.47
CRES	44.3	261	Pg	18:33:25.95	0.18
			Sg	33:31.86	-0.20
KOGS	64.6	16	Pg	18:33:29.81	0.45
			Sg	33:37.91	-0.53
GROS	75.1	328	Pg	18:33:31.36	0.15
			Sg	33:41.06	-0.68
PERS	108.3	320	P*	18:33:36.76	-0.32
			S*	33:49.98	-2.22
SOKA	116.1	319	Pn	18:33:37.79	-0.27
			Sn	33:52.74	-1.20
OBKA	132.8	301	Pn	18:33:41.56	1.41
			Sn	33:57.14	-0.51
ARSA	156.0	346	Pn	18:33:44.13	1.09
			Sn	34:03.89	1.08
BLY	156.2	144	Pn	18:33:43.14	0.08
			Sn	34:02.40	-0.45
PKSV	173.3	90	Pn	18:33:44.89	-0.31
MPLH	184.0	39	Pn	18:33:46.27	-0.27
RONA	202.4	6	Pn	18:33:49.78	0.96
SOP	203.6	12	Pn	18:33:50.99	2.01
PKSM	206.1	80	Pn	18:33:48.64	-0.64
MORH	206.3	80	Pn	18:33:48.57	-0.75
			Sn	34:13.24	-0.73

263.

2020-03-24 time: 19:07:35.48 UTC ML= 2.3  
 lat: 45.952N lon: 16.141E h= 8.3 km  
 erh= 3.9km erz= 3.2km  
 nr= 13 gap=211 rms=0.80  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	15.3	248	Pg	19:07:39.54	0.95

**Hypocenter Parameters**

**Földrengés paraméterek**

		Sg	07:40.55	-0.47
ZAG	17.8 220	Pg	19:07:39.83	0.84
		Sg	07:40.83	-0.89
CRES	54.9 255	Pg	19:07:44.61	-0.79
		Sg	07:51.47	-1.67
KOGS	55.8 9	Pg	19:07:45.03	-0.52
		Sg	07:53.61	0.21
GROS	75.1 319	Pg	19:07:49.02	0.06
		Sg	08:00.67	1.19
PERS	109.6 314	Sg	19:08:09.67	-0.74
SOKA	117.5 313	Sn	19:08:12.30	0.11
OBKA	137.6 297	Sn	19:08:17.86	1.21

MPLH	183.8 39	PnD	19:54:17.57	-0.32
		Sn	54:41.17	0.68
PKS9	190.5 66	Pn	19:54:18.14	-0.60
EGYH	197.0 31	Pn	19:54:19.33	-0.22
MYKA	201.0 294	Pn	19:54:21.10	1.06
RONA	202.1 6	Pn	19:54:20.79	0.61
		Sn	54:46.02	1.47
SOP	203.4 12	Pn	19:54:20.51	0.17
PKSM	205.9 80	PnD	19:54:19.79	-0.86
		Sn	54:45.82	0.43
MORH	206.2 80	Pn	19:54:19.78	-0.91
		Sn	54:46.02	0.56

264.

2020-03-24 time: 19:53:48.93 UTC ML= 3.5  
 lat: 45.891N lon: 16.021E h= 7.7 km  
 erh= 1.0km erz= 0.7km  
 nr= 80 gap= 54 rms=0.62  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.0	281	Pg	19:53:50.65			0.08
			Sg	53:51.72			-0.13
ZAG	7.3	197	PgD	19:53:51.28			0.46
			Sg	53:52.18			-0.12
GCIS	30.7	265	iPgC	19:53:54.95			0.37
			iSg	53:59.00			0.01
GOLS	33.5	293	iPgD	19:53:55.54			0.47
CESS	44.2	282	iPg	19:53:57.81			0.86
			iSg	54:03.15			-0.06
CRES	44.4	261	Pg	19:53:57.34			0.35
			Sg	54:02.14			-1.13
DOBS	51.5	304	iPgD	19:53:58.71			0.48
			eSg	54:05.48			0.00
LEGS	55.0	277	iPgC	19:53:59.10			0.26
			eSg	54:06.01			-0.56
KOGS	64.4	16	PgD	19:54:00.77			0.26
			Sg	54:09.23			-0.30
BOJS	73.8	234	iPg	19:54:02.12			-0.06
GROS	74.9	328	PgD	19:54:02.48			0.09
			Sg	54:11.72			-1.16
PDKS	81.5	283	iPgC	19:54:03.59			0.03
			iSg	54:12.94			-2.02
BEHE	86.8	42	Pg	19:54:04.74			0.25
			Sg	54:16.01			-0.61
VISS	92.3	264	ePg	19:54:05.16			-0.32
ZAVS	97.8	308	iPg	19:54:06.31			-0.14
			iSg	54:17.67			-2.45
GBRS	102.5	247	iPg	19:54:06.72			-0.56
VNDS	104.9	283	iPg	19:54:07.38			-0.34
PERS	108.2	320	PgD	19:54:07.80			-0.51
			Sg	54:20.76			-2.66
SOKA	116.0	319	PnD	19:54:08.99			-0.45
			Sn	54:23.15			-2.29
LJU	117.0	278	iPn	19:54:09.44			-0.13
			eSn	54:25.13			-0.54
GBAS	122.6	272	iPn	19:54:09.96			-0.31
			eSn	54:25.90			-1.01
CEY	125.1	262	iPn	19:54:10.83			0.25
			eSn	54:26.79			-0.67
MOZS	130.0	290	iPn	19:54:11.55			0.36
			eSn	54:28.22			-0.33
OBKA	132.8	301	Pn	19:54:12.12			0.58
			Sn	54:28.03			-1.14
JAVS	151.9	270	iPn	19:54:14.70			0.78
ARSA	155.8	346	Pn	19:54:14.82			0.41
			Sn	54:34.40			0.12
BLY	156.3	144	PnD	19:54:14.23			-0.24
			Sn	54:34.00			-0.39
SKDS	160.9	256	iPn	19:54:16.00			0.96
			eSn	54:37.06			1.65
PKSV	173.2	90	PnD	19:54:16.01			-0.56
TIH	182.5	52	Pn	19:54:19.40			1.67

PKB4	210.4 71	Pn	19:54:20.30	-0.91
PKST	216.6 45	Pn	19:54:21.92	-0.07
PKB5	223.5 70	Pn	19:54:22.18	-0.67
CONA	226.8 357	PnU	19:54:23.84	0.58
CSKK	237.0 46	Pn	19:54:25.66	1.13
PKSG	246.4 47	Pn	19:54:27.44	1.73
PKB3	252.2 76	Pn	19:54:25.54	-0.89
PKS2	255.3 75	Pn	19:54:26.77	-0.04
MOA	255.5 328	Pn	19:54:28.75	1.91
ZST	269.1 18	Pn	19:54:28.71	0.18
BIOA	270.4 318	Pn	19:54:30.95	2.25
SRO	276.0 39	ePn	19:54:30.50	1.10
		eSn	54:59.50	-1.47
PKS6	284.4 74	Pn	19:54:31.42	0.98
ABTA	286.5 289	Pn	19:54:32.03	1.32
MODS	291.9 19	ePn	19:54:31.30	-0.08
		eSn	55:00.60	-3.89*
FRGS	307.8 106	Pn	19:54:33.11	-0.25*
SMOL	310.4 20	ePn	19:54:45.00	11.31*
		eSn	55:04.70	-3.90*
BBLs	349.7 130	Pn	19:54:39.16	0.58*
PSZ	371.3 53	Sn	19:55:21.69	-0.42*
WATA	376.5 295	Pn	19:54:44.00	2.08*
TREC	380.5 354	ePn	19:54:43.40	0.97*
VRAC	382.3 6	PnC	19:54:42.99	0.34*
SQTA	397.5 292	Pn	19:54:46.48	1.93*
KHC	404.5 333	ePn	19:54:46.70	1.29*
		eSn	55:27.90	-1.57*
MOTA	409.9 293	Pn	19:54:48.88	2.79*
ZVC	417.6 341	ePn	19:54:48.30	1.24*
FETA	425.5 287	Pn	19:54:49.96	1.92*
BZS	436.4 94	Pn	19:54:49.16	-0.24*
KECS	444.4 50	ePn	19:54:51.90	1.50*
		eSn	55:38.50	0.16*
LANS	445.7 36	ePn	19:54:51.80	1.24*
MORC	446.8 15	Pn	19:54:51.59	0.90*
PRU	468.8 346	ePn	19:54:54.40	0.97*
DAVA	495.5 288	Pn	19:54:58.31	1.54*
DPC	496.3 3	ePn	19:54:57.30	0.44*
HERR	513.3 103	PnD	19:54:57.28	-1.70*
DRGR	524.7 79	Pn	19:55:01.20	0.80*
		Sn	55:51.73	-4.42*
PVCC	526.8 348	ePn	19:55:01.80	1.14*
GZR	529.6 96	PnD	19:54:58.44	-2.57*
NKC	551.4 331	ePn	19:55:04.20	0.47*

265.

2020-03-24 time: 20:02:49.57 UTC ML= 2.4  
 lat: 45.900N lon: 16.016E h= 9.4 km  
 erh= 1.9km erz= 1.3km  
 nr= 29 gap= 64 rms=0.66  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.5	270	Pg	20:02:51.14			-0.29
			Sg	02:52.14			-0.74
ZAG	8.1	192	Pg	20:02:51.78			0.00
			Sg	02:52.48			-1.02
GCIS	30.4	263	iPg	20:02:55.44			0.19
GOLS	32.8	292	iPg	20:02:56.07			0.42
CESS	43.7	281	eSg	20:03:03.67			-0.09

## Földrengés paraméterek

CRES	44.2	259	Pg	20:02:58.36	0.72
			Sg	03:03.35	-0.58
DOBS	50.6	303	iPg	20:02:59.22	0.46
			ePg	03:06.34	0.41
LEGS	54.5	276	ePg	20:02:59.74	0.31
KOGS	63.6	17	Pg	20:03:01.51	0.47
			Sg	03:09.66	-0.33
GROS	73.9	328	Pg	20:03:02.96	0.09
			Sg	03:12.06	-1.20
BOJS	74.0	234	iPg	20:03:02.82	-0.07
PDKS	80.9	283	iPg	20:03:04.14	0.03
VISS	92.0	263	ePg	20:03:05.73	-0.36
PERS	107.2	320	P*	20:03:08.51	-0.24
			S*	03:21.31	-2.40
SOKA	115.0	319	Pn	20:03:09.42	-0.32
			Sn	03:23.16	-2.31
OBKA	132.0	301	Pn	20:03:13.15	1.30
			Sn	03:28.58	-0.66
ARSA	154.8	346	Pn	20:03:17.09	2.39
			Sn	03:35.29	0.98
BLY	157.3	144	Sn	20:03:34.69	-0.17
MORH	206.4	80	Pn	20:03:20.18	-0.95

266.

2020-03-24 time: 23:52:56.97 UTC ML= 2.0  
 lat: 45.922N lon: 16.010E h= 2.4 km  
 erh= 1.1km erz= 1.7km  
 nr= 16 gap=169 rms=0.31  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.7	239	Pg	23:52:57.92	0.01
			Sg	52:58.66	0.01
ZAG	10.4	187	Pg	23:52:58.72	-0.16
			Sg	52:59.61	-0.75
GCIS	30.3	258	iPg	23:53:02.56	0.16
			iSg	53:06.55	-0.08
GOLS	31.5	288	ePg	23:53:02.88	0.27
CRES	44.3	256	Pg	23:53:05.11	0.22
			Sg	53:10.91	-0.15
DOBS	48.9	301	iPg	23:53:06.04	0.32
KOGS	61.4	18	Pg	23:53:08.34	0.40
			Sg	53:16.06	-0.43
GROS	71.6	327	Pg	23:53:09.81	0.04
			Sg	53:19.01	-0.74
PERS	105.1	319	Sg	23:53:28.53	-1.84*
OBKA	130.3	300	Sn	23:53:37.55	-0.32

267.

2020-03-25 time: 2:56:48.27 UTC ML= 2.0  
 lat: 45.922N lon: 16.020E h= 3.1 km  
 erh= 1.9km erz= 4.9km  
 nr= 11 gap=147 rms=0.44  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.4	243	Pg	2:56:49.56	0.18
			Sg	56:50.31	0.07
ZAG	10.5	191	Pg	2:56:50.09	-0.14
			Sg	56:51.33	-0.42
CRES	45.0	256	Pg	2:56:56.05	-0.27
			Sg	57:02.35	-0.25
KOGS	61.2	17	Pg	2:56:59.88	0.67
			Sg	57:07.41	-0.33
GROS	72.0	326	Pg	2:57:01.82	0.67
			Sg	57:10.66	-0.53
BEHE	84.4	44	Sg	2:57:14.44	-0.67

## Hypocenter Parameters

268.

2020-03-25 time: 3:22:22.50 UTC ML= 2.9  
 lat: 45.929N lon: 16.025E h= 0.5 km  
 erh= 1.5km erz= 2.3km  
 nr= 19 gap=176 rms=0.46  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.1	239	Pg	3:22:23.44	-0.15
			Sg	22:24.57	0.12
ZAG	11.4	192	Pg	3:22:24.26	-0.27
			Sg	22:25.78	-0.33
GCIS	31.6	257	iPg	3:22:28.35	0.20
			iSg	22:33.31	0.76
CRES	45.6	255	Pg	3:22:30.54	-0.10
			Sg	22:36.70	-0.29
LEGS	54.9	272	iPg	3:22:32.62	0.31
KOGS	60.3	17	Pg	3:22:33.78	0.52
			Sg	22:41.51	-0.15
GROS	71.6	326	Pg	3:22:35.41	0.12
			Sg	22:44.63	-0.64
PERS	105.3	318	Pg	3:22:41.01	-0.28
			Sg	22:54.92	-1.04
SOKA	113.1	317	Pg	3:22:42.14	-0.55
OBKA	130.9	300	Pn	3:22:46.64	0.85
			Sn	23:02.37	-1.59
ARSA	151.9	345	Sn	3:23:09.09	0.48

269.

2020-03-25 time: 3:58:28.85 UTC ML= 2.6  
 lat: 45.907N lon: 16.016E h= 12.6 km  
 erh= 2.4km erz= 1.9km  
 nr= 16 gap=174 rms=0.52  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.6	260	Pg	3:58:31.49	0.26
ZAG	8.9	191	Pg	3:58:31.99	0.40
			Sg	58:33.08	-0.65
GCIS	30.5	262	iPg	3:58:34.90	0.17
			iSg	58:38.87	-0.45
GOLS	32.5	291	iPg	3:58:35.82	0.76
CRES	44.3	258	Pg	3:58:37.02	-0.06
			Sg	58:43.03	-0.46
DOBS	50.2	302	iPg	3:58:38.60	0.52
KOGS	62.8	17	Pg	3:58:39.76	-0.52
			Sg	58:49.11	-0.10
GROS	73.2	327	Pg	3:58:42.41	0.29
			Sg	58:51.51	-0.96
PERS	106.6	319	Sn	3:59:00.74	-1.43
SOKA	114.4	319	Sn	3:59:03.19	-0.70
OBKA	131.5	301	Sn	3:59:08.37	0.67

270.

2020-03-25 time: 7:18:40.98 UTC ML= 1.0  
 lat: 47.261N lon: 17.670E h= 0.0 km  
 erh= 1.6km erz= 427km  
 nr= 6 gap=134 rms=0.25  
 Locality: Némethánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	14.2	224	Pg	7:18:43.33	-0.18
			Sg	18:45.77	0.29
PKST	27.6	90	Sg	7:18:49.89	0.15
EGYH	30.9	304	Sg	7:18:50.85	0.04
CSKK	46.0	76	Sg	7:18:55.18	-0.44
PKSG	56.4	75	Sg	7:18:59.18	0.28

## Hypocenter Parameters

## Földrengés paraméterek

271.

2020-03-25 time: 7:30:04.45 UTC ML= 0.7  
 lat: 47.274N lon: 17.671E h= 0.0 km  
 erh= 3.4km erz= 783km  
 nr= 5 gap=152 rms=0.39  
 Locality: Homokbődöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	15.2	221	Pg	7:30:06.78	-0.39
			Sg	30:09.78	0.49
PKST	27.5	93	Pg	7:30:09.79	0.43
			Sg	30:13.04	-0.16
EGYH	30.2	302	Sg	7:30:13.65	-0.39

272.

2020-03-25 time: 7:48:31.06 UTC ML= 1.9  
 lat: 48.347N lon: 21.445E h= 0.0 km  
 erh= 3.6km erz= \*\*\*km  
 nr= 9 gap=141 rms=0.79  
 Locality: Komlóska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	16.3	250	Pg	7:48:34.22	0.25
			Sg	48:36.58	0.34
KECS	72.7	282	Pg	7:48:44.34	0.30
			Sg	48:53.55	-0.61
TRPA	84.7	106	Pg	7:48:47.19	1.00
			Sg	48:56.66	-1.33
STHS	119.9	353	ePg	7:48:52.40	-0.07
			eSg	49:08.80	-0.38
PSZ	124.9	248	Sg	7:49:08.57	-2.19

273.

2020-03-25 time: 7:54:28.01 UTC ML= 0.8  
 lat: 48.368N lon: 21.138E h= 15.3 km  
 erh= 4.8km erz= 2.7km  
 nr= 7 gap=164 rms=0.70  
 Locality: Méra  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	11.0	137	Pg	7:54:31.75	0.38
			Sg	54:33.17	-0.82
KJX	46.5	288	Sg	7:54:44.54	0.97
ID58	53.1	239	Pg	7:54:38.32	0.44
			Sg	54:44.78	-0.80
LTVH	123.3	152	Sn	7:55:04.41	-0.02
NIE	131.5	333	Sn	7:55:04.88	-1.37

274.

2020-03-25 time: 8:32:44.35 UTC ML= 1.7  
 lat: 47.700N lon: 18.488E h= 0.0 km  
 erh= 4.8km erz= \*\*\*km  
 nr= 13 gap=238 rms=0.89  
 Locality: Héreg  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	18.2	314	Pg	8:32:47.13	-0.46
			Sg	32:51.38	1.25
PKSG	35.0	192	Pg	8:32:51.47	0.87
			Sg	32:54.00	-1.48
CSKK	41.2	205	Pg	8:32:51.27	-0.43
			Sg	32:56.94	-0.50
PKST	59.8	215	Pg	8:32:55.15	0.13
			Sg	33:00.79	-2.56
EGYH	92.5	250	Sg	8:33:14.27	0.51
MPLH	92.7	231	Pg	8:33:01.96	1.06

			Sg	33:14.33	0.52
MODS	117.3	310	ePg	8:33:04.90	-0.40
			eSg	33:19.80	-1.84

275.

2020-03-25 time: 9:26:38.46 UTC ML= 1.1  
 lat: 47.070N lon: 18.001E h= 0.0 km  
 erh= 2.2km erz= 637km  
 nr= 10 gap=135 rms=0.50  
 Locality: Balatonfűzfő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	21.2	7	Pg	9:26:42.01	-0.23
			Sg	26:45.05	-0.14
MPLH	36.8	288	Sg	9:26:49.78	-0.37
CSKK	38.1	31	Pg	9:26:45.49	0.24
			Sg	26:50.02	-0.54
PKSG	46.4	39	Pg	9:26:47.25	0.51
MORH	106.9	153	Pg	9:26:57.92	0.37
			Sg	27:11.50	-0.95
PKSM	107.2	153	Pg	9:26:58.07	0.46
			Sg	27:11.30	-1.24

276.

2020-03-25 time: 10:19:20.55 UTC ML= 1.7  
 lat: 48.561N lon: 20.753E h= 0.0 km  
 erh= 3.2km erz= \*\*\*km  
 nr= 11 gap=109 rms=0.94  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.6	246	Pg	10:19:24.62	0.22
			Sg	19:27.32	-0.09
ABAH	46.5	129	Pg	10:19:29.15	0.29
			Sg	19:34.90	-0.43
PSZ	95.8	222	Pg	10:19:38.01	0.36
			Sg	19:50.17	-0.82
NIE	100.7	341	Pg	10:19:40.35	1.81
			Sg	19:50.78	-1.79
STHS	101.7	21	ePg	10:19:39.20	0.48
			eSg	19:50.80	-2.09
LANS	114.9	305	Pg	10:19:40.09	-0.98

277.

2020-03-25 time: 10:21:36.78 UTC ML= 1.0  
 lat: 47.190N lon: 18.309E h= 0.0 km  
 erh= 2.1km erz= 4.0km  
 nr= 9 gap=111 rms=0.45  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.6	349	Pg	10:21:40.25	-0.04
			Sg	21:42.54	-0.48
PKST	22.2	290	Pg	10:21:40.66	-0.08
			Sg	21:43.20	-0.63
PKSG	23.3	15	Pg	10:21:41.17	0.23
			Sg	21:44.63	0.44
MPLH	58.4	268	Pg	10:21:47.98	0.78
MORH	111.3	167	Sg	10:22:11.62	-0.53
PSZ	144.2	56	Sn	10:22:20.66	-0.66



## Földrengés paraméterek

## Hypocenter Parameters

278.

2020-03-25 time: 13:41:11.42 UTC ML= 2.4  
 lat: 45.877N lon: 16.034E h= 10.4 km  
 erh= 2.7km erz= 1.5km  
 nr= 18 gap=195 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	6.2	210	Pg	13:41:13.52	-0.07
			Sg	41:14.59	-0.69
PTJ	6.4	293	Pg	13:41:13.30	-0.31
			Sg	41:14.19	-1.13
GCIS	31.6	268	iPg	13:41:17.61	0.25
			iSg	41:21.68	-0.32
GOLS	35.1	295	ePg	13:41:19.00	1.04
			eSg	41:23.34	0.29
CRES	45.2	263	Pg	13:41:20.31	0.60
			Sg	41:26.01	-0.16
KOGS	65.6	15	Pg	13:41:23.86	0.57
			Sg	41:32.01	-0.53
GROS	76.8	328	Pg	13:41:25.86	0.60
			Sg	41:34.31	-1.75
PERS	110.1	320	Pn	13:41:30.91	0.07
			Sn	41:44.61	-1.38
SOKA	117.8	319	Sn	13:41:47.40	-0.31
OBKA	134.5	301	Sn	13:41:51.61	0.20

279.

2020-03-25 time: 14:28:47.15 UTC ML= 2.3  
 lat: 45.907N lon: 16.023E h= 11.6 km  
 erh= 2.0km erz= 1.2km  
 nr= 22 gap=128 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.1	261	Pg	14:28:48.90	-0.50
			Sg	28:50.18	-0.98
ZAG	8.9	195	Pg	14:28:49.62	-0.13
			Sg	28:50.81	-0.98
GCIS	31.0	262	iPg	14:28:53.45	0.40
			iSg	28:57.64	-0.02
GOLS	33.0	291	ePg	14:28:54.67	1.29
			iSg	28:58.81	0.56
CRES	44.9	258	Pg	14:28:55.61	0.19
			Sg	29:01.89	0.02
DOBS	50.6	302	iPg	14:28:56.98	0.56
KOGS	62.7	16	Pg	14:28:58.89	0.36
			Sg	29:06.76	-0.65
GROS	73.6	327	Pg	14:29:00.54	0.10
			Sg	29:09.40	-1.42
PERS	107.0	319	Pn	14:29:05.90	-0.14
			Sn	29:19.46	-1.32
SOKA	114.8	318	Pn	14:29:06.99	-0.02
			Sn	29:21.38	-1.13
OBKA	132.0	300	Sn	14:29:26.57	0.24
ARSA	154.2	346	Sn	14:29:31.97	0.71
BLY	157.6	145	Sn	14:29:33.13	1.11

280.

2020-03-25 time: 22:21:26.40 UTC ML= 2.2  
 lat: 45.918N lon: 16.001E h= 3.5 km  
 erh= 1.9km erz= 1.9km  
 nr= 26 gap=126 rms=0.70  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.9	239	Pg	22:21:27.36	0.03
			Sg	21:27.99	-0.07
ZAG	9.9	183	Pg	22:21:28.08	-0.20

			Sg	21:28.98	-0.76
GCIS	29.5	259	iPg	22:21:31.82	0.11
			iSg	21:35.91	0.06
GOLS	30.9	289	iPg	22:21:32.86	0.90
			iSg	21:37.09	0.79
CRES	43.5	256	Pg	22:21:34.16	-0.03
			Sg	21:40.46	0.20
DOBS	48.5	302	iPg	22:21:35.47	0.38
			eSg	21:42.41	0.54
KOGS	62.0	18	Pg	22:21:37.61	0.12
			Sg	21:45.71	-0.43
GROS	71.6	327	Pg	22:21:39.26	0.06
			Sg	21:48.16	-1.03
PERS	104.9	319	Pg	22:21:44.71	-0.44
			Sg	21:57.81	-1.96
SOKA	112.7	319	Pg	22:21:45.73	-0.81
			Sg	21:59.48	-2.76
OBKA	129.9	300	Pn	22:21:50.13	0.94
			Sn	22:04.99	-1.97
ARSA	152.6	346	Pn	22:21:52.64	0.62
			Sn	22:12.00	0.01
BLY	159.6	144	Sn	22:22:12.65	-0.91
SOP	200.8	12	Pn	22:21:59.90	1.87

281.

2020-03-25 time: 22:30:20.30 UTC ML= 2.1  
 lat: 45.913N lon: 16.051E h= 9.9 km  
 erh= 3.4km erz= 2.2km  
 nr= 17 gap=191 rms=0.75  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	7.4	258	Pg	22:30:22.08	-0.42
			Sg	30:23.19	-1.03
ZAG	10.4	205	Pg	22:30:22.75	-0.11
			Sg	30:23.45	-1.40
GCIS	33.3	261	iPg	22:30:27.19	0.69
			iSg	30:32.21	0.88
GOLS	34.8	288	iPg	22:30:27.69	0.93
CRES	47.2	258	Pg	22:30:28.94	0.04
			Sg	30:35.25	-0.36
KOGS	61.4	15	Pg	22:30:31.95	0.55
			Sg	30:40.05	-0.01
GROS	74.2	325	Pg	22:30:33.93	0.27
			Sg	30:42.89	-1.20
PERS	107.9	318	Sn	22:30:52.84	-1.67
SOKA	115.7	317	Sn	22:30:54.97	-1.27
OBKA	133.5	300	Sn	22:31:00.36	0.16
ARSA	154.0	345	Sn	22:31:05.69	0.93

282.

2020-03-25 time: 22:39:43.37 UTC ML= 2.2  
 lat: 45.907N lon: 16.030E h= 6.2 km  
 erh= 1.8km erz= 2.7km  
 nr= 15 gap=155 rms=0.44  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.7	262	Pg	22:39:44.82	-0.05
			Sg	39:45.95	-0.09
ZAG	9.1	198	Pg	22:39:45.64	0.30
			Sg	39:46.53	-0.34
GCIS	31.6	262	iPg	22:39:49.35	0.24
			iSg	39:53.45	-0.14
CRES	45.4	259	Pg	22:39:51.76	0.21
			Sg	39:57.47	-0.47
KOGS	62.5	16	Pg	22:39:56.01	1.43
			Sg	40:02.86	-0.47
GROS	73.9	326	Pg	22:39:56.86	0.26
			Sg	40:05.78	-1.15
BEHE	85.0	43	Pg	22:39:58.17	-0.42

**Hypocenter Parameters**

PERS 107.3 319 Pg 22:40:02.81 0.24  
 SOKA 115.1 318 Pg 22:40:03.70 -0.25

283.

2020-03-25 time: 23:38:33.93 UTC ML= 2.3  
 lat: 45.900N lon: 16.017E h= 6.8 km  
 erh= 2.2km erz= 1.5km  
 nr= 22 gap=128 rms=0.66  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.6	270	Pg	23	38	35.24	-0.15
			Sg			38:36.33	-0.19
ZAG	8.1	193	Pg	23	38	35.84	0.03
			Sg			38:36.33	-0.94
GCIS	30.4	263	iPg	23	38	39.64	0.14
			iSg			38:44.28	0.44
GOLS	32.8	292	iPg	23	38	41.07	1.16
			Pg	23	38	42.11	0.19
CRES	44.2	259	Pg	23	38	42.11	0.19
			Sg			38:47.78	-0.38
KOGS	63.6	16	Pg	23	38	45.41	0.07
			Pg	23	38	47.06	-0.13
GROS	74.0	327	Pg	23	38	47.06	-0.13
			Sg			38:56.53	-1.01
PERS	107.3	320	Pg	23	38	52.91	-0.21
			Sg			39:06.29	-1.81
SOKA	115.0	319	Pn	23	38	53.93	-0.51
			Sn			39:08.69	-1.75
OBKA	132.0	301	Pn	23	38	57.40	0.85
			Sn			39:13.68	-0.52
ARSA	154.8	346	Pn	23	39	00.14	0.74
			Sn			39:19.93	0.66
BLY	157.3	144	Sn	23	39	18.85	-0.96
			Pn	23	39	06.63	1.44

284.

2020-03-25 time: 23:59:14.26 UTC ML= 1.9  
 lat: 45.932N lon: 16.021E h= 4.0 km  
 erh= 1.4km erz= 3.1km  
 nr= 10 gap=173 rms=0.29  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	6.0	234	Pg	23	59	15.61	0.06
			Sg			59:16.64	0.09
ZAG	11.6	190	Pg	23	59	16.41	-0.04
			Sg			59:17.10	-1.06
CRES	45.3	255	Pg	23	59	22.45	0.06
			Sg			59:28.90	0.18
KOGS	60.1	17	Pg	23	59	25.27	0.26
			Sg			59:33.37	-0.03
GROS	71.2	326	Sg	23	59	37.00	0.08
			Sg	23	59	46.75	-0.84

285.

2020-03-26 time: 0:17:54.31 UTC ML= 2.4  
 lat: 45.887N lon: 16.041E h= 9.1 km  
 erh= 1.3km erz= 1.0km  
 nr= 45 gap= 65 rms=0.60  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	6.6	283	Pg	0	17	56.24	-0.08
			Sg			17:57.46	-0.43
ZAG	7.4	210	Pg	0	17	56.88	0.48
			Sg			17:57.90	-0.14
GCIS	32.2	266	iPgD	0	18	00.62	0.34
			iSg			18:04.71	-0.24
GOLS	35.1	293	ePg	0	18	01.19	0.40
			iPg	0	18	03.59	0.93

**Földrengés paraméterek**

iSg 18:09.07 -0.10  
 CRES 45.9 262 Pg 0:18:02.76 0.10  
 Sg 18:08.59 -0.59

DOBS 53.1 303

LEGS 56.6 277 iPg 0:18:04.33 0.41  
 eSg 18:11.00 -0.42  
 KOGS 64.4 15 Pg 0:18:06.36 0.43  
 Sg 18:14.36 -0.63  
 BOJS 74.8 235 iPg 0:18:07.32 -0.44  
 GROS 76.2 327 Pg 0:18:08.01 0.00  
 Sg 18:17.16 -1.54

sta	dist	azm	phase	hr	mn	sec	res
PDKS	83.2	283	iPg	0	18	09.37	0.12
			Sg			0:18:21.47	-0.36
BEHE	86.1	41	Sg	0	18	21.47	-0.36
			iPg	0	18	10.83	-0.31
VISS	93.8	264	iPg	0	18	10.83	-0.31
			iPg	0	18	11.58	-0.54
ZAVS	99.3	308	iPg	0	18	11.58	-0.54
			iPg	0	18	12.27	-0.63
GBRS	103.7	248	iPg	0	18	12.27	-0.63
			Pn	0	18	13.46	-0.38
PERS	109.6	319	Pn	0	18	13.46	-0.38
			Sn			18:26.56	-2.52
SOKA	117.4	319	Pn	0	18	14.43	-0.38
			Sn			18:28.20	-2.60
GBAS	124.2	272	ePn	0	18	15.68	0.02
			Pn	0	18	18.20	1.27
OBKA	134.4	301	Pn	0	18	18.20	1.27
			Sn			18:34.42	-0.16
BLY	155.0	145	Pn	0	18	19.86	0.35
			Sn			18:39.18	0.02
ARSA	156.7	345	Pn	0	18	20.61	0.89
			Sn			18:39.72	0.19
MPLH	183.2	39	Sn	0	18	45.71	0.29
			Sn	0	18	49.15	0.74
EGYH	196.7	30	Sn	0	18	49.15	0.74
			Pn	0	18	26.79	1.37
RONA	202.4	6	Pn	0	18	26.79	1.37
			Sn			18:47.80	-1.89
PKSM	204.4	80	Pn	0	18	25.06	-0.61
			Pn	0	18	25.09	-0.62
MORH	204.7	80	Pn	0	18	25.09	-0.62
			Pn	0	18	26.08	-1.02
PKST	215.9	45	Pn	0	18	26.08	-1.02
			Pn	0	18	30.12	1.59
CONA	227.3	357	Pn	0	18	30.12	1.59
			Pn	0	18	34.31	2.12
MOA	256.8	328	Pn	0	18	34.31	2.12
			ePn	0	18	34.00	-2.58*
MODS	291.9	19	ePn	0	18	34.00	-2.58*
			eSn			19:05.40	-4.15*
KHC	405.6	333	ePn	0	18	52.10	1.35*
			eSn			19:34.20	-0.58*
ZVC	418.6	341	ePn	0	18	53.40	1.03*

286.

2020-03-26 time: 2:42:26.73 UTC ML= 2.2  
 lat: 45.921N lon: 16.007E h= 3.8 km  
 erh= 1.3km erz= 1.3km  
 nr= 31 gap=127 rms=0.50  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.4	239	Pg	2	42	27.84	0.07
			Sg			42:28.69	0.11
ZAG	10.2	185	PgD	2	42	28.68	0.00
			Sg			42:29.78	-0.41
GCIS	30.0	259	iPgD	2	42	32.29	0.16
			eSg			42:36.17	-0.17
GOLS	31.3	289	ePg	2	42	32.72	0.36
			iPgC	2	42	35.20	0.84
CESS	42.5	278	iPgC	2	42	35.20	0.84
			iSg			42:40.41	0.10
CRES	43.9	256	Pg	2	42	34.76	0.15
			Sg			42:40.56	-0.19
DOBS	48.8	301	iPg	2	42	35.85	0.38
			eSg			42:42.30	0.02
LEGS	53.5	273	iPg	2	42	36.53	0.22
			Pg	2	42	38.05	0.30
KOGS	61.6	18	Pg	2	42	38.05	0.30
			Sg			42:45.96	-0.39
GROS	71.6	327	Pg	2	42	39.43	-0.11
			Sg			42:48.91	-0.61
PDKS	79.7	281	iPg	2	42	40.85	-0.13
			ePg	2	42	42.60	-0.50
VISS	91.6	262	ePg	2	42	42.60	-0.50
			Pg	2	42	45.06	-0.43
PERS	105.0	319	Pg	2	42	45.06	-0.43
			Sg			42:57.85	-2.28

## Földrengés paraméterek

## Hypocenter Parameters

SOKA 112.8 318 Pg 2:42:45.88 -1.00  
 Sg 42:59.83 -2.77\*  
 OBKA 130.1 300 Pn 2:42:50.08 0.58  
 Sn 43:06.22 -1.04  
 ARSA 152.4 346 Pn 2:42:52.66 0.38  
 Sn 43:12.66 0.45  
 BLY 159.6 145 Sn 2:43:13.00 -0.80  
 RONA 199.0 6 Pn 2:42:59.04 0.95  
 Sn 43:25.18 2.63\*

DOBS 51.2 306 iPgD 6:12:36.46 0.29  
 LEGS 53.7 278 iPgC 6:12:36.89 0.28  
 eSg 12:43.66 -0.56  
 KOGS 66.2 17 Pg 6:12:38.56 -0.26  
 Sg 12:46.59 -1.55  
 BOJS 71.7 235 iPg 6:12:39.50 -0.29  
 GROS 75.5 329 Pg 6:12:40.21 -0.25  
 Sg 12:49.71 -1.34  
 PDKS 80.5 285 iPgC 6:12:41.33 -0.02  
 BEHE 88.9 42 Pg 6:12:43.65 0.82  
 Sg 12:55.47 0.19  
 VISS 90.7 265 iPgD 6:12:42.93 -0.24  
 ZAVS 97.6 309 iPg 6:12:44.25 -0.14  
 eSg 12:55.81 -2.24  
 GBRS 100.6 247 iPg 6:12:44.38 -0.53  
 VNDS 103.8 284 iPg 6:12:45.03 -0.46  
 PERS 108.5 321 Pn 6:12:45.66 -0.54  
 Sn 12:58.83 -2.44  
 SOKA 116.2 320 Pn 6:12:46.74 -0.42  
 Sn 13:00.78 -2.21  
 GBAS 121.2 273 ePn 6:12:47.92 0.13  
 OBKA 132.4 302 Pn 6:12:50.33 1.15  
 Sn 13:06.56 -0.02  
 CRNS 136.8 279 iPn 6:12:50.42 0.69  
 BLY 156.0 144 Pn 6:12:51.81 -0.31  
 Sn 13:11.31 -0.51  
 ARSA 156.9 346 Pn 6:12:52.85 0.61  
 Sn 13:12.44 0.40  
 MPLH 185.9 39 Sn 6:13:17.92 -0.53  
 RONA 203.8 6 Pn 6:12:59.47 1.39  
 PKSM 207.6 80 Pn 6:12:57.16 -1.40  
 CONA 228.2 357 Pn 6:13:02.26 1.13  
 Sn 13:27.66 -0.19  
 MOA 256.1 329 Sn 6:13:34.57 0.53  
 MODS 293.8 19 ePn 6:13:08.50 -0.81  
 PENC 328.3 50 Pn 6:13:13.04 -0.57\*  
 KHC 405.2 333 ePn 6:13:22.60 -0.60\*  
 eSn 14:04.40 -2.73\*

287.

2020-03-26 time: 2:53:06.25 UTC ML= 2.2  
 lat: 45.928N lon: 16.013E h= 4.6 km  
 erh= 1.5km erz= 1.6km  
 nr= 32 gap= 64 rms=0.68  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.3	233	Pg	2:53:07.38			-0.12
			Sg	53:08.05			-0.42
ZAG	11.1	187	Pg	2:53:08.04			-0.36
			Sg	53:09.27			-0.80
GCIS	30.6	257	iPgD	2:53:11.75			-0.03
			eSg	53:15.98			-0.12
GOLS	31.4	287	iPg	2:53:12.67			0.75
CESS	42.9	277	iPg	2:53:14.75			0.80
			iSg	53:20.17			0.21
CRES	44.6	255	Pg	2:53:14.16			-0.10
			Sg	53:20.36			-0.14
DOBS	48.7	300	iPg	2:53:15.48			0.49
			eSg	53:22.15			0.35
LEGS	53.9	272	iPg	2:53:16.30			0.39
			iSg	53:23.55			0.10
KOGS	60.6	18	Pg	2:53:17.46			0.36
			Sg	53:25.27			-0.30
GROS	71.1	326	Pg	2:53:19.16			0.18
			Sg	53:28.33			-0.57
BEHE	84.2	44	Sg	2:53:32.16			-0.90
PERS	104.7	319	Pg	2:53:24.71			-0.24
			Sg	53:37.58			-1.96
SOKA	112.4	318	Pg	2:53:25.70			-0.64
			Sg	53:39.37			-2.65
OBKA	130.1	300	Pn	2:53:30.05			1.14
			Sn	53:45.41			-1.18
ARSA	151.7	346	Sn	2:53:51.45			0.06
BLY	160.0	145	Pn	2:53:33.46			0.81
			Sn	53:51.57			-1.67
RONA	198.1	6	Pn	2:53:38.25			0.86
PKSM	205.8	81	Pn	2:53:36.70			-1.66
			Sn	54:05.30			1.90

288.

2020-03-26 time: 6:12:26.87 UTC ML= 2.6  
 lat: 45.878N lon: 16.003E h= 9.6 km  
 erh= 1.2km erz= 0.8km  
 nr= 47 gap= 64 rms=0.57  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.2	305	Pg	6:12:28.54			-0.21
			Sg	12:29.69			-0.52
ZAG	5.5	187	Pg	6:12:29.06			0.21
			Sg	12:30.12			-0.27
GCIS	29.1	268	iPgC	6:12:32.74			0.39
			iSg	12:36.85			0.23
GOLS	32.8	297	iPg	6:12:33.41			0.43
			eSg	12:38.03			0.29
CRES	42.8	262	Pg	6:12:34.91			0.21
			Sg	12:40.29			-0.52
CESS	43.2	284	iPg	6:12:35.45			0.68
			iSg	12:41.18			0.25

289.

2020-03-26 time: 8:21:54.29 UTC ML= 1.4  
 lat: 48.067N lon: 20.717E h= 0.0 km  
 erh= 8.3km erz= \*\*\*km  
 nr= 5 gap=198 rms=0.73  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	46.5	57	Pg	8:22:03.27			0.68
			Sg	22:07.65			-1.41
KECS	49.4	340	Pg	8:22:03.58			0.47
			Sg	22:09.51			-0.48
PSZ	63.6	255	Sg	8:22:13.90			-0.61

290.

2020-03-26 time: 8:36:59.62 UTC ML= 1.4  
 lat: 46.938N lon: 17.416E h= 0.0 km  
 erh= 1.9km erz= 655km  
 nr= 11 gap=130 rms=0.52  
 Locality: Sáska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	27.5	20	Pg	8:37:04.13			-0.40
			Sg	37:07.84			-0.51
EGYH	53.7	353	Sg	8:37:16.90			0.22
PKST	59.0	53	Pg	8:37:10.66			0.51
			Sg	37:18.58			0.22
BEHE	71.4	223	Sg	8:37:22.49			0.16
PKS9	76.6	121	Sg	8:37:24.88			0.92
MORH	123.7	130	Pg	8:37:21.22			-0.49
			Sg	37:38.22			-0.72
PKSM	123.8	131	Pg	8:37:22.29			0.56

## Hypocenter Parameters

## Földrengés paraméterek

Sg 37:38.22 -0.76  
 291.

2020-03-26 time: 8:38:52.70 UTC ML= 2.4  
 lat: 45.902N lon: 16.028E h= 6.2 km  
 erh= 1.5km erz= 1.2km  
 nr= 29 gap=118 rms=0.53  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.4	268	Pg	8:38:54.22	0.05
			Sg	38:55.20	-0.12
ZAG	8.5	198	Pg	8:38:54.94	0.36
			Sg	38:55.94	-0.11
GCIS	31.3	263	iPgD	8:38:58.59	0.19
			iSg	39:02.76	-0.08
GOLS	33.5	291	iPg	8:38:59.19	0.41
CESS	44.5	280	ePg	8:39:01.62	0.90
CRES	45.1	259	Pg	8:39:00.86	0.03
			Sg	39:06.77	-0.41
LEGS	55.3	275	ePg	8:39:02.85	0.21
KOGS	63.1	16	Pg	8:39:04.36	0.34
			Sg	39:12.18	-0.67
GROS	74.2	327	Pg	8:39:06.06	0.06
			Sg	39:15.18	-1.20
BOJS	74.9	234	ePg	8:39:05.41	-0.70
PKDS	81.7	283	iPgC	8:39:07.33	-0.01
BEHE	85.6	42	Sg	8:39:19.47	-0.50
GBRS	103.4	247	iPg	8:39:10.21	-0.98
PERS	107.6	319	Pg	8:39:12.46	0.51
			Sg	39:24.52	-2.45
SOKA	115.4	318	Pn	8:39:12.92	-0.40
			Sn	39:26.49	-2.92*
OBKA	132.6	301	Pn	8:39:16.22	0.76
			Sn	39:33.09	-0.13
ARSA	154.8	346	Sn	8:39:38.53	0.37
RONA	200.9	6	Pn	8:39:24.55	0.57
PKSM	205.2	80	Pn	8:39:25.18	0.67
MORH	205.5	80	Pn	8:39:23.60	-0.95

292.

2020-03-26 time: 9:53:15.51 UTC ML= 1.3  
 lat: 47.694N lon: 18.724E h= 0.0 km  
 erh= 3.1km erz= 612km  
 nr= 7 gap=208 rms=0.40  
 Locality: Csolnok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PBUD	33.4	139	Sg	9:53:26.07	-0.04
PKSG	41.9	217	Pg	9:53:23.53	0.54
			Sg	53:28.77	-0.06
PENC	43.2	76	Pg	9:53:23.43	0.21
			Sg	53:28.51	-0.72
CSKK	50.7	224	Sg	9:53:31.42	-0.20
PKST	71.0	227	Sg	9:53:37.52	-0.55

293.

2020-03-26 time: 10:03:48.19 UTC ML= 1.8  
 lat: 47.832N lon: 19.408E h= 0.0 km  
 erh= 4.0km erz= 9.9km  
 nr= 17 gap=117 rms=1.34  
 Locality: Galgaguta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	10.5	244	Pg	10:03:51.43	1.37
			Sg	03:53.24	1.71
PSZ	37.7	75	Pg	10:03:55.29	0.38
			Sg	04:01.25	1.09
BUD	48.3	217	Sg	10:04:03.42	-0.11

PBUD	50.4	216	Sg	10:04:04.59	0.38
A338	81.5	284	Sg	10:04:14.61	0.53
PKSG	90.8	237	Pg	10:04:04.84	0.44
			Sg	04:17.97	0.93
CSKK	100.8	239	Sg	10:04:19.30	-0.93
KECS	108.1	48	Pg	10:04:07.49	0.01
			Sg	04:20.62	-1.91
PKST	121.4	238	Pg	10:04:10.54	0.67
			Sg	04:24.29	-2.50
A337	129.1	291	Sg	10:04:26.02	-3.20
PKB2	129.3	186	Sg	10:04:26.12	-3.16
MODS	169.7	291	eSn	10:04:35.50	-2.88

294.

2020-03-26 time: 10:18:16.38 UTC ML= 1.5  
 lat: 48.576N lon: 20.723E h= 0.0 km  
 erh= 3.9km erz= \*\*\*km  
 nr= 8 gap=147 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.3	240	Pg	10:18:20.05	0.05
			Sg	18:22.57	-0.26
ABAH	49.3	129	Pg	10:18:25.09	-0.08
			Sg	18:31.65	-0.38
PSZ	95.5	220	Pg	10:18:33.76	0.32
			Sg	18:45.62	-1.12
NIE	98.5	342	Pg	10:18:35.39	1.43
			Sg	18:45.42	-2.25

295.

2020-03-26 time: 12:24:54.51 UTC ML= 1.2  
 lat: 48.404N lon: 20.647E h= 0.0 km  
 erh= 1.6km erz= 294km  
 nr= 5 gap=159 rms=0.14  
 Locality: Alsótelkes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	14.8	307	Pg	12:24:56.97	-0.19
			Sg	24:59.51	0.29
ABAH	45.5	105	Pg	12:25:02.61	-0.03
			Sg	25:09.00	0.02
PSZ	77.7	226	Pg	12:25:08.47	0.08

296.

2020-03-26 time: 13:15:09.33 UTC ML= 2.3  
 lat: 45.907N lon: 16.038E h= 11.4 km  
 erh= 2.1km erz= 1.4km  
 nr= 19 gap=186 rms=0.53  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.2	263	Pg	13:15:11.18	-0.47
			Sg	15:12.26	-1.19
ZAG	9.3	201	Pg	13:15:12.02	0.07
			Sg	15:13.43	-0.56
GCIS	32.1	262	iPgD	13:15:15.66	0.24
			iSg	15:20.35	0.18
GOLS	34.1	290	ePg	13:15:16.04	0.29
			iSg	15:21.30	0.55
CRES	46.0	259	Pg	13:15:18.01	0.22
			Sg	15:24.02	-0.37
LEGS	56.0	275	iPgC	13:15:19.90	0.36
KOGS	62.4	15	Pg	13:15:21.24	0.58
			Sg	15:28.66	-0.84
GROS	74.2	326	Pg	13:15:23.13	0.39
			Sg	15:32.11	-1.09
PERS	107.8	319	Pn	13:15:28.58	0.23
			Sn	15:41.46	-1.72

## Földrengés paraméterek

## Hypocenter Parameters

SOKA 115.6 318 Sn 13:15:43.90 -1.01  
 OBKA 133.0 300 Sn 13:15:49.13 0.35

300.

297.

2020-03-27 time: 0:11:46.92 UTC ML= 1.8  
 lat: 45.916N lon: 16.010E h= 5.1 km  
 erh= 1.7km erz= 2.5km  
 nr= 11 gap=170 rms=0.36  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.4	246	Pg	0:11:48.22	0.09
			Sg	11:49.33	0.26
ZAG	9.8	187	Pg	0:11:48.91	0.02
			Sg	11:49.62	-0.80
GCIS	30.2	260	iPg	0:11:52.69	0.30
			iSg	11:56.76	0.10
CRES	44.1	257	Pg	0:11:54.97	0.12
			Sg	12:00.52	-0.52
KOGS	62.0	17	Pg	0:11:58.36	0.33
			Sg	12:06.25	-0.44
GROS	72.2	327	Sg	0:12:08.97	-0.95

298.

2020-03-27 time: 3:09:27.97 UTC ML= 2.0  
 lat: 45.925N lon: 16.010E h= 2.9 km  
 erh= 1.5km erz= 2.4km  
 nr= 20 gap=169 rms=0.45  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.9	236	Pg	3:09:28.96	-0.02
			Sg	09:29.95	0.17
ZAG	10.7	187	Pg	3:09:29.62	-0.33
			Sg	09:30.75	-0.75
GCIS	30.4	258	iPgC	3:09:33.33	-0.08
			iSg	09:37.60	-0.06
GOLS	31.4	288	iPg	3:09:34.38	0.79
CESS	42.7	277	iPg	3:09:36.36	0.74
			iSg	09:41.83	0.25
CRES	44.3	256	Pg	3:09:35.86	-0.04
			Sg	09:41.76	-0.33
DOBS	48.7	301	iPg	3:09:37.01	0.32
LEGS	53.7	273	iPg	3:09:37.50	-0.08
			iSg	09:44.47	-0.61
KOGS	61.1	18	Pg	3:09:38.96	0.08
			Sg	09:46.81	-0.59
GROS	71.3	327	Pg	3:09:41.19	0.47
			Sg	09:49.54	-1.12
PERS	104.8	319	Sg	3:09:59.39	-1.91
OBKA	130.1	300	Sn	3:10:08.35	-0.35

299.

2020-03-27 time: 9:53:15.49 UTC ML= 1.1  
 lat: 47.201N lon: 18.304E h= 0.0 km  
 erh= 1.2km erz= 392km  
 nr= 9 gap=149 rms=0.30  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.3	350	Pg	9:53:18.69	-0.07
			Sg	53:20.83	-0.48
PKST	21.4	288	Pg	9:53:19.25	-0.06
			Sg	53:22.10	-0.19
PKSG	22.2	17	Pg	9:53:19.86	0.41
			Sg	53:22.61	0.06
MPLH	58.0	267	Sg	9:53:34.57	0.64
MORH	112.6	167	Sg	9:53:51.01	-0.26
PKSM	113.0	167	Sg	9:53:51.16	-0.24

2020-03-27 time: 10:43:24.45 UTC ML= 2.0  
 lat: 48.215N lon: 21.267E h= 0.0 km  
 erh= 1.0km erz= 1.7km  
 nr= 7 gap=156 rms=0.18  
 Locality: Mád  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	9.2	347	Pg	10:43:26.06	-0.04
			Sg	43:27.49	0.10
TRPA	95.1	96	Pg	10:43:41.48	0.04
			Sg	43:54.56	-0.13
PSZ	107.5	252	Pg	10:43:43.82	0.18
			Sg	43:57.82	-0.79
NIE	151.1	332	Sn	10:44:10.39	-0.12

301.

2020-03-27 time: 12:05:31.07 UTC ML= 1.3  
 lat: 45.807N lon: 18.468E h= 3.9 km  
 erh= 2.7km erz= 15.0km  
 nr= 8 gap=282 rms=0.36  
 Locality: Lapáncsa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	19.0	298	Pg	12:05:34.30	-0.23
			Sg	05:37.00	-0.24
PKSM	47.0	17	Pg	12:05:39.69	0.21
			Sg	05:45.28	-0.76
MORH	47.4	17	Pg	12:05:39.69	0.12
			Sg	05:45.88	-0.32
PKB4	77.3	8	Sg	12:05:56.38	0.70
PKS9	87.9	350	Sg	12:05:59.41	0.38

302.

2020-03-27 time: 15:08:00.81 UTC ML= 2.1  
 lat: 45.922N lon: 16.016E h= 9.7 km  
 erh= 1.8km erz= 1.4km  
 nr= 24 gap=145 rms=0.52  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.1	242	Pg	15:08:02.20	-0.57
ZAG	10.4	189	Pg	15:08:02.88	-0.48
			Sg	08:03.94	-1.40
GCIS	30.7	259	iPg	15:08:06.68	0.11
CESS	43.2	278	ePg	15:08:09.19	0.46
			iSg	08:14.99	0.09
CRES	44.7	256	Pg	15:08:09.26	0.28
			Sg	08:15.15	-0.20
DOBS	49.3	301	iPg	15:08:10.23	0.44
LEGS	54.2	273	iPg	15:08:10.84	0.19
KOGS	61.2	17	Pg	15:08:12.46	0.57
			Sg	08:20.21	-0.31
GROS	71.9	326	Pg	15:08:14.01	0.24
			Sg	08:22.91	-0.96
PKDK	80.4	281	iPg	15:08:15.24	-0.03
BEHE	84.6	44	Sg	15:08:28.04	0.16
PERS	105.4	319	P*	15:08:19.51	-0.17
			S*	08:33.28	-1.12
SOKA	113.2	318	Pn	15:08:20.50	-0.22
			Sn	08:35.63	-0.61
OBKA	130.7	300	Pn	15:08:24.71	1.81
			Sn	08:40.31	0.18
ARSA	152.5	346	Pn	15:08:26.64	1.02
			Sn	08:44.74	-0.22

## Hypocenter Parameters

## Földrengés paraméterek

303.

2020-03-27 time: 15:41:18.29 UTC ML= 2.3  
 lat: 45.837N lon: 16.076E h= 14.2 km  
 erh= 4.1km erz= 2.1km  
 nr= 19 gap=133 rms=0.99  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	6.5	262	Pg	15:41:22.02			0.94
			Sg	41:22.65			-0.61
PTJ	11.5	307	Pg	15:41:21.44			-0.12
			Sg	41:22.43			-1.68
GCIS	35.0	275	iPgD	15:41:25.52			0.48
			iSg	41:29.40			-0.90
CRES	48.2	269	Pg	15:41:27.91			0.66
			Sg	41:33.53			-0.72
CESS	49.9	288	iPg	15:41:28.35			0.79
			iSg	41:34.00			-0.79
DOBS	58.5	306	iPg	15:41:29.45			0.42
KOGS	69.2	11	Pg	15:41:31.96			1.05
			Sg	41:39.86			-0.89
GROS	82.3	327	Sg	15:41:41.88			-2.96
PERS	115.6	320	Pn	15:41:38.96			1.05
			Sn	41:51.95			-1.27
SOKA	123.3	319	Pn	15:41:39.86			0.98
			Sn	41:53.92			-1.02
BLY	148.9	144	Pn	15:41:40.16			-1.91

304.

2020-03-27 time: 19:51:17.82 UTC ML= 0.6  
 lat: 47.404N lon: 18.122E h= 0.7 km  
 erh= 1.5km erz=18.4km  
 nr= 6 gap=252 rms=0.12  
 Locality: Felsődobos  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	11.4	113	Pg	19:51:20.03			0.16
			Sg	51:21.39			-0.07
PKST	17.4	202	Pg	19:51:20.97			0.03
			Sg	51:23.21			-0.16
PKSG	20.4	94	Pg	19:51:21.48			0.02
			Sg	51:24.08			-0.22

305.

2020-03-27 time: 22:10:52.05 UTC ML= 1.8  
 lat: 45.906N lon: 16.017E h= 4.4 km  
 erh= 1.1km erz= 1.8km  
 nr= 11 gap=175 rms=0.26  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.6	262	Pg	22:10:53.30			0.11
			Sg	10:53.96			-0.11
ZAG	8.7	192	Pg	22:10:53.92			0.12
			Sg	10:54.75			-0.41
CRES	44.4	258	Pg	22:11:00.08			0.06
			Sg	11:06.36			0.13
KOGS	62.9	17	Pg	22:11:03.53			0.22
			Sg	11:11.41			-0.68
GROS	73.4	327	Pg	22:11:05.16			-0.02
			Sg	11:15.56			0.14
PERS	106.7	319	Sg	22:11:24.32			-1.69*

306.

2020-03-28 time: 7:42:11.33 UTC ML= 2.0  
 lat: 45.898N lon: 16.053E h= 12.0 km  
 erh= 4.1km erz= 2.4km  
 nr= 13 gap=197 rms=0.80  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	7.4	272	Pg	7:42:13.64			-0.21
			Sg	42:14.70			-1.12
ZAG	9.0	211	Pg	7:42:14.20			0.20
			Sg	42:15.47			-0.62
CRES	47.0	260	Pg	7:42:21.51			1.52
			Sg	42:26.32			-0.43
KOGS	63.0	14	Pg	7:42:23.01			0.23
			Sg	42:31.81			0.09
GROS	75.7	326	Pg	7:42:25.38			0.36
			Sg	42:34.81			-0.88
PERS	109.3	319	Sn	7:42:44.18			-1.19
SOKA	117.1	318	Sn	7:42:46.06			-1.04
OBKA	134.5	300	Sn	7:42:52.56			1.58

307.

2020-03-28 time: 12:48:58.59 UTC ML= 2.2  
 lat: 45.915N lon: 16.000E h= 4.9 km  
 erh= 1.5km erz= 1.6km  
 nr= 32 gap=135 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	3.7	243	Pg	12:48:59.72			0.03
			Sg	49:00.90			0.36
ZAG	9.6	183	Pg	12:49:00.46			-0.05
			Sg	49:01.61			-0.40
GCIS	29.4	260	iPgC	12:49:04.14			0.22
			iSg	49:08.29			0.21
GOLS	31.0	290	iPg	12:49:04.59			0.39
			iSg	49:09.08			0.50
CESS	42.2	279	iPg	12:49:07.04			0.87
			iSg	49:12.54			0.45
CRES	43.3	257	Pg	12:49:06.51			0.13
			Sg	49:12.26			-0.20
LEGS	53.1	274	iPg	12:49:08.42			0.31
			iSg	49:15.00			-0.54
KOGS	62.3	18	Pg	12:49:09.99			0.23
			Sg	49:17.71			-0.76
GROS	71.9	328	Pg	12:49:11.28			-0.18
			Sg	49:20.46			-1.04
BOJS	74.0	232	iPg	12:49:11.60			-0.24
			iSg	49:21.40			-0.78
PDKS	79.4	282	iPg	12:49:12.68			-0.11
BEHE	86.0	44	Pg	12:49:14.50			0.53
VISS	91.0	262	iSg	12:49:27.59			0.02
PERS	105.2	320	Pg	12:49:16.86			-0.54
			Sg	49:29.76			-2.30
SOKA	112.9	319	Pg	12:49:17.69			-1.09
			Sg	49:32.29			-2.24
OBKA	130.0	301	Pn	12:49:22.00			0.78
			Sn	49:37.63			-1.24
ARSA	152.9	346	Pn	12:49:25.54			1.47
			Sn	49:43.95			0.01
PKSG	245.8	48	Pn	12:49:37.64			1.98

308.

2020-03-28 time: 21:07:27.80 UTC ML= 2.0  
 lat: 45.896N lon: 16.017E h= 6.8 km  
 erh= 2.3km erz= 1.4km  
 nr= 20 gap=177 rms=0.55  
 Locality: Croatia  
 Comments:

**Földrengés paraméterek**

**Hypocenter Parameters**

sta	dist	azm	phase	hr mn sec	res
PTJ	4.6	275	Pg	21:07:29.22	-0.05
			Sg	07:29.78	-0.63
ZAG	7.7	193	Pg	21:07:29.50	-0.14
			Sg	07:30.34	-0.73
GCIS	30.4	264	iPg	21:07:33.46	0.10
GOLS	32.9	293	iPg	21:07:34.77	0.96
CRES	44.2	260	Pg	21:07:35.91	0.13
			Sg	07:41.88	-0.12
DOBS	50.9	304	iPg	21:07:37.44	0.48
KOGS	63.9	16	Pg	21:07:39.81	0.53
			Sg	07:47.90	-0.34
GROS	74.3	328	Pg	21:07:41.26	0.14
			Sg	07:50.53	-0.98
PERS	107.6	320	Pg	21:07:46.91	-0.13
			Sg	07:59.55	-2.50
SOKA	115.3	319	Pn	21:07:47.84	-0.50
			Sn	08:02.22	-2.14
OBKA	132.2	301	Pn	21:07:50.89	0.45
			Sn	08:07.49	-0.61
ARSA	155.2	346	Sn	21:08:13.93	0.72

309.

2020-03-28 time: 23:34:56.56 UTC ML= 0.1  
 lat: 47.318N lon: 18.150E h= 9.3 km  
 erh= 1.5km erz= 0.8km  
 nr= 8 gap=168 rms=0.23  
 Locality: Balinka  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	9.7	59	Pg	23:34:58.94	-0.02
			Sg	35:00.50	-0.34
PKST	10.9	233	Pg	23:34:59.17	0.05
			Sg	35:00.85	-0.28
PKSG	19.9	66	Pg	23:35:00.73	0.24
			Sg	35:03.51	-0.04
MPLH	49.1	250	Sg	23:35:12.88	0.44
MORH	128.2	163	Sn	23:35:35.08	-0.32

310.

2020-03-29 time: 3:56:56.13 UTC ML= 1.9  
 lat: 45.833N lon: 16.027E h= 4.6 km  
 erh= 2.2km erz= 1.1km  
 nr= 24 gap=225 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	2.6	260	Pg	3:56:57.19	0.12
			Sg	56:57.80	-0.01
PTJ	9.2	324	Pg	3:56:57.75	-0.21
			Sg	56:58.86	-0.53
GCIS	31.3	277	iPg	3:57:02.06	0.28
			iSg	57:06.16	-0.02
GOLS	37.0	302	eSg	3:57:08.61	0.64
CRES	44.3	269	Pg	3:57:04.29	0.20
			Sg	57:10.29	-0.01
LEGS	56.6	283	iSg	3:57:14.65	0.48
KOGS	70.5	14	Pg	3:57:10.10	1.35
			Sg	57:16.88	-1.71
BOJS	70.6	239	iPg	3:57:08.06	-0.71
GROS	80.7	330	Pg	3:57:10.32	-0.25
			Sg	57:19.70	-2.14
PKS	83.7	288	iPg	3:57:10.80	-0.31
VISS	92.4	268	iPg	3:57:12.70	0.05
			eSg	57:25.37	-0.16
MOZS	132.8	293	iPn	3:57:18.71	-0.44
			eSn	57:36.62	-0.47
OBKA	136.7	303	Pn	3:57:20.12	0.50
			Sn	57:38.15	0.20
CRNS	139.6	281	iPn	3:57:20.75	0.76

iSn 57:37.99 -0.61

311.

2020-03-30 time: 3:30:36.00 UTC ML= 2.0  
 lat: 45.898N lon: 16.006E h= 4.0 km  
 erh= 2.3km erz= 2.3km  
 nr= 21 gap=122 rms=0.69  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.8	274	Pg	3:30:36.72	-0.26
			Sg	30:37.32	-0.43
ZAG	7.7	187	Pg	3:30:37.50	-0.05
			Sg	30:38.47	-0.29
GCIS	29.6	263	iPg	3:30:41.27	-0.06
CESS	43.0	281	iPg	3:30:44.38	0.68
			iSg	30:49.69	-0.02
CRES	43.4	259	Pg	3:30:43.46	-0.32
			Sg	30:49.60	-0.26
DOBS	50.1	304	iPg	3:30:46.27	1.29
LEGS	53.7	276	iPg	3:30:45.86	0.24
KOGS	64.0	17	Pg	3:30:47.95	0.50
			Sg	30:54.81	-1.57
GROS	73.7	328	Pg	3:30:49.80	0.62
			Sg	30:57.83	-1.64
PERS	106.9	320	Pg	3:30:55.08	-0.03
			Sg	31:07.04	-2.97
SOKA	114.7	319	Pg	3:30:56.23	-0.26
OBKA	131.4	301	Pn	3:30:58.93	0.03
			Sn	31:15.13	-1.64
PKB1	236.0	65	Pn	3:31:13.96	2.01

312.

2020-03-30 time: 4:05:57.49 UTC ML= 1.2  
 lat: 47.414N lon: 19.480E h= 8.2 km  
 erh= 0.9km erz= 1.2km  
 nr= 13 gap=125 rms=0.30  
 Locality: Mende  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BUD	35.3	283	Sg	4:06:08.94	-0.06
PENC	44.5	340	Pg	4:06:05.76	0.19
			Sg	06:11.61	-0.26
ID59	55.2	9	Sg	4:06:15.09	-0.16
ID66	59.2	324	Sg	4:06:16.54	0.05
ID79	63.1	67	Sg	4:06:18.38	0.66
PSZ	64.2	29	Pg	4:06:08.98	-0.07
			Sg	06:16.39	-1.67
PKSG	82.2	268	Sg	4:06:23.98	0.21
PKB2	84.1	192	Sg	4:06:23.98	-0.39
PKB4	121.8	213	Sn	4:06:34.96	-0.23
MORH	147.6	206	Sn	4:06:41.07	0.16
PKSM	148.1	206	Sn	4:06:41.07	0.05

313.

2020-03-30 time: 6:01:53.63 UTC ML= 2.3  
 lat: 47.690N lon: 20.308E h= 1.8 km  
 erh= 1.7km erz= 2.2km  
 nr= 32 gap= 73 rms=0.89  
 Locality: Erdőtelek  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ID79	7.4	215	PgD	6:01:55.84	0.85
			Sg	01:56.55	0.49
PSZ	40.0	309	Pg	6:02:01.93	1.15
			Sg	02:07.48	1.11
BSZH	43.5	184	Pg	6:02:01.39	-0.01
			Sg	02:07.86	0.39
ID58	50.7	19	PgU	6:02:03.09	0.40

## Hypocenter Parameters

## Földrengés paraméterek

		Sg	02:09.03	-0.73	
ID59	58.1	294	Sg	6:02:12.52	0.40
PENC	77.8	278	Pg	6:02:07.77	0.25
		Sg	02:18.38	0.03	
KJX	91.2	11	PgD	6:02:09.67	-0.26
		Sg	02:22.32	-0.32	
PKSN	94.2	201	Pg	6:02:10.25	-0.21
		Sg	02:22.27	-1.32	
ABAH	96.8	46	Pg	6:02:10.65	-0.27
		Sg	02:23.36	-1.05	
ID66	98.2	280	Pg	6:02:11.07	-0.09
		Sg	02:23.41	-1.42	
BUD	99.3	257	Sg	6:02:23.30	-1.89
PKS7	112.3	230	Pg	6:02:13.03	-0.65
		Sg	02:27.71	-1.62	
PKB2	138.8	216	Pn	6:02:18.38	0.63
		Sn	02:34.45	-2.11	
PKSG	148.1	257	Sn	6:02:36.00	-2.61
PKB3	164.2	211	Sn	6:02:41.66	-0.53
PKB4	185.3	224	Sn	6:02:48.09	1.21
PKS9	196.8	231	Sn	6:02:51.09	1.67
MORH	207.1	218	Sn	6:02:53.30	1.59
DRGR	207.6	119	Sn	6:02:52.12	0.31
PKSM	207.6	218	Pn	6:02:28.15	1.83
		Sn	02:53.37	1.55	

314.

2020-03-30 time: 6:40:13.72 UTC ML= 1.0  
 lat: 47.367N lon: 17.627E h= 0.0 km  
 erh= 4.5km erz= 2.2km  
 nr= 7 gap=254 rms=1.04  
 Locality: Csót  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	22.9	197	Pg	6:40:18.62			0.82
			Sg	40:21.15			0.16
PKST	33.0	111	Pg	6:40:20.72			1.10
			Sg	40:23.44			-0.78
CSKK	47.8	90	Sg	6:40:28.76			-0.17
MORH	149.7	149	Sn	6:40:58.02			-1.44
PKSM	149.9	149	Sn	6:40:57.62			-1.90

315.

2020-03-30 time: 7:20:02.51 UTC ML= 1.9  
 lat: 48.534N lon: 19.471E h= 0.0 km  
 erh= 1.9km erz= 1.4km  
 nr= 7 gap=265 rms=0.21  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	75.2	94	Pg	7:20:15.79			-0.15
			Sg	20:26.46			0.04
PSZ	75.3	155	Pg	7:20:15.67			-0.29
			Sg	20:26.46			0.01
PENC	83.8	190	Sg	7:20:29.38			0.23
ABAH	133.6	101	Pn	7:20:26.50			0.30
			Sn	20:44.79			0.11

316.

2020-03-30 time: 8:54:38.03 UTC ML= 1.6  
 lat: 48.559N lon: 20.733E h= 0.0 km  
 erh= 2.9km erz= 694km  
 nr= 6 gap=136 rms=0.44  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	20.1	245	Pg	8:54:42.25			0.62
			Sg	54:45.00			0.57
ABAH	47.6	128	Sg	8:54:52.99			-0.16

PSZ	94.7	221	Pg	8:54:54.52			-0.41
			Sg	55:07.60			-0.52
STHS	102.4	21	Pg	8:54:56.20			-0.12

317.

2020-03-30 time: 9:54:22.70 UTC ML= 1.6  
 lat: 48.510N lon: 19.476E h= 0.0 km  
 erh= 7.5km erz= 5.1km  
 nr= 6 gap=262 rms=1.00  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	72.8	155	Pg	9:54:36.84			1.14
			Sg	54:44.82			-1.02
KECS	74.7	92	Pg	9:54:36.83			0.79
			Sg	54:45.48			-0.97
PENC	81.3	190	Sg	9:54:47.97			-0.57
ABAH	132.8	100	Sn	9:55:03.30			-1.39

318.

2020-03-30 time: 20:52:56.82 UTC ML= 2.2  
 lat: 45.910N lon: 16.011E h= 5.8 km  
 erh= 1.7km erz= 1.4km  
 nr= 24 gap=127 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.3	256	Pg	20:52:57.94			-0.17
			Sg	52:58.76			-0.36
ZAG	9.1	189	Pg	20:52:58.64			-0.10
			Sg	52:59.58			-0.66
GCIS	30.2	261	iPg	20:53:02.33			0.02
GOLS	32.0	291	iPg	20:53:03.04			0.41
CESS	43.1	279	iPg	20:53:05.12			0.53
			iSg	53:10.70			0.06
CRES	44.0	258	Pg	20:53:04.57			-0.18
			Sg	53:10.70			-0.24
DOBS	49.7	302	iPg	20:53:06.05			0.29
LEGS	54.0	275	iPg	20:53:06.61			0.09
KOGS	62.7	17	Pg	20:53:08.18			0.12
			Sg	53:16.36			-0.46
GROS	72.8	327	Pg	20:53:10.14			0.27
			Sg	53:18.41			-1.64
PERS	106.2	319	Pg	20:53:16.51			0.70
			Sg	53:28.66			-1.96
SOKA	113.9	319	Pg	20:53:17.16			-0.03
			Sg	53:30.21			-2.88*
OBKA	131.1	301	Pn	20:53:20.42			0.97
			Sn	53:35.61			-1.49
ARSA	153.7	346	Sn	20:53:42.16			0.04
BLY	158.4	145	Sn	20:53:42.62			-0.55

319.

2020-03-31 time: 9:01:02.15 UTC ML= 1.9  
 lat: 48.972N lon: 20.199E h= 0.0 km  
 erh= 4.9km erz= 6.6km  
 nr= 11 gap=157 rms=0.89  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
NIE	50.4	9	Pg	9:01:11.04			-0.11
			Sg	01:16.53			-1.65
KECS	58.2	159	Pg	9:01:13.46			0.91
			Sg	01:20.11			-0.55
STHS	90.8	57	Pg	9:01:19.03			0.67
			Sg	01:31.14			0.13
ABAH	107.3	134	Pg	9:01:21.62			0.31
			Sg	01:34.55			-1.71
PSZ	119.3	191	Sg	9:01:38.55			-1.51



## Földrengés paraméterek

## Hypocenter Parameters

OJC 141.8 348 Pn 9:01:27.84 0.98  
Sn 01:45.35 -0.79

323.

320.

2020-03-31 time: 9:14:21.77 UTC ML= 1.4  
lat: 47.290N lon: 18.408E h= 0.0 km  
erh= 4.0km erz= 958km  
nr= 7 gap=178 rms=0.67  
Locality: Zámoly  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.4	354	PgU	9:14:23.72	-0.08
			Sg	14:24.22	-1.16
CSKK	13.8	306	PgU	9:14:25.03	0.80
			Sg	14:26.99	0.85
PKST	28.5	263	Pg	9:14:26.97	0.12
			Sg	14:29.96	-0.85
PKSM	121.2	172	Sg	9:14:59.60	-0.69

321.

2020-03-31 time: 9:17:52.98 UTC ML= 0.5  
lat: 47.215N lon: 18.279E h= 0.0 km  
erh= 2.2km erz= 582km  
nr= 6 gap=143 rms=0.34  
Locality: Iszkaszentgyörgy  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.5	355	Pg	9:17:56.36	0.43
			Sg	17:57.68	-0.54
PKST	19.2	285	Pg	9:17:56.59	0.19
			Sg	17:58.80	-0.28
PKSG	21.4	23	Sg	9:17:59.62	-0.15
MORH	114.6	166	Sg	9:18:29.08	-0.31

322.

2020-03-31 time: 9:20:22.78 UTC ML= 1.9  
lat: 47.003N lon: 17.416E h= 0.0 km  
erh= 2.8km erz= 4.5km  
nr= 21 gap= 67 rms=1.29  
Locality: Nyirád  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	20.8	27	Pg	9:20:27.50	1.01
			Sg	20:29.32	-0.07
PKST	54.8	59	Pg	9:20:32.54	-0.03
			Sg	20:39.35	-0.86
CSKK	75.5	58	Pg	9:20:36.15	-0.11
			Sg	20:44.69	-2.08
BEHE	76.9	220	Pg	9:20:36.15	-0.35
			Sg	20:47.62	0.41
PKS9	80.5	125	Sg	9:20:49.84	1.48
SOP	99.6	319	Sg	9:20:54.33	-0.11
PKB4	106.8	122	Pg	9:20:43.75	1.90
KOGS	108.4	235	Sg	9:20:55.11	-2.12
MORH	128.5	133	Pg	9:20:46.68	0.96
			Sg	21:01.66	-1.96
PKSM	128.6	133	Pg	9:20:47.41	1.66
			Sg	21:01.81	-1.85
PKSV	139.6	153	Sn	9:21:03.86	-2.41
ARSA	146.3	281	Pn	9:20:49.09	1.04
			Sn	21:07.42	-0.34
CONA	156.0	311	Sn	9:21:08.46	-1.45
GROS	158.3	248	Sn	9:21:07.73	-2.69

2020-03-31 time: 9:47:01.02 UTC ML= 1.5  
lat: 47.332N lon: 18.431E h= 0.0 km  
erh= 1.0km erz= 348km  
nr= 9 gap=113 rms=0.26  
Locality: Zámoly  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.3	336	Pg	9:47:02.30	-0.02
			Sg	47:02.94	-0.40
CSKK	13.3	285	Pg	9:47:03.51	0.12
			Sg	47:05.25	0.00
PKST	31.1	255	Pg	9:47:07.00	0.44
			Sg	47:10.46	-0.43
MORH	125.2	173	Sg	9:47:40.59	-0.21
PKSM	125.6	173	Sg	9:47:40.76	-0.17
PSZ	127.9	59	Sg	9:47:41.78	0.11

324.

2020-03-31 time: 10:03:58.59 UTC ML= 1.2  
lat: 47.516N lon: 18.439E h= 0.0 km  
erh= 3.3km erz= 2.8km  
nr= 9 gap=228 rms=0.72  
Locality: Várgesztes  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	14.3	195	Pg	10:04:01.42	0.29
			Sg	04:03.97	0.85
CSKK	21.7	218	Pg	10:04:02.85	0.39
			Sg	04:05.93	0.45
PKST	41.8	227	Pg	10:04:06.00	-0.06
			Sg	04:10.99	-0.89
BUD	44.2	95	Sg	10:04:12.82	0.19
MORH	145.4	174	Sn	10:04:41.69	-1.68
PKSM	145.8	174	Sn	10:04:41.18	-2.28

325.

2020-04-01 time: 10:30:07.65 UTC ML= 0.9  
lat: 47.351N lon: 18.305E h= 0.0 km  
erh= 1.3km erz= 225km  
nr= 6 gap=189 rms=0.13  
Locality: Csákerény  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	3.6	293	Pg	10:30:08.30	0.01
			Sg	30:08.81	0.01
PKSG	7.9	55	Pg	10:30:09.00	-0.07
			Sg	30:10.17	-0.01
PKST	22.8	244	Pg	10:30:11.91	0.18
			Sg	30:14.58	-0.33

326.

2020-04-01 time: 10:31:06.95 UTC ML= 1.5  
lat: 47.317N lon: 18.327E h= 0.0 km  
erh= 1.3km erz= 2.0km  
nr= 14 gap=108 rms=0.46  
Locality: Söréd  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	7.2	316	Pg	10:31:08.01	-0.23
			Sg	31:09.09	-0.16
PKSG	9.6	30	PgU	10:31:08.67	0.00
			Sg	31:10.34	0.33
PKST	23.1	254	Pg	10:31:11.07	0.01
			Sg	31:14.73	0.45
MPLH	61.8	255	Sg	10:31:26.59	-0.01

## Hypocenter Parameters

Station	Dist	Azm	Phase	hr	mn	sec	res
MORH	124.7	169	Pg	10:31:29.82		0.60	
			Sg	31:45.33		-1.26	
PKSM	125.1	169	Pg	10:31:29.90		0.61	
			Sg	31:44.74		-1.98	
PSZ	135.5	60	Pn	10:31:30.70		-0.17	
			Sn	31:49.08		-0.46	
KOVH	137.6	187	Sn	10:31:49.50		-0.51	

327.

2020-04-02 time: 8:36:29.08 UTC ML= 1.1  
 lat: 46.125N lon: 18.028E h= 0.0 km  
 erh= 1.3km erz= 167km  
 nr= 7 gap=292 rms=0.11  
 Locality: Bükkösd  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	6.9	126	Pg	8:36:30.27		-0.05	
			Sg	36:31.50		0.21	
PKSV	31.5	147	Sg	8:36:38.97		-0.14	
PKSM	48.4	79	Pg	8:36:37.76		0.04	
			Sg	36:44.47		0.01	
MORH	48.7	78	Pg	8:36:37.86		0.08	
			Sg	36:44.34		-0.22	

328.

2020-04-02 time: 9:33:21.16 UTC ML= 1.9  
 lat: 48.249N lon: 19.845E h= 0.0 km  
 erh= 2.8km erz= 4.9km  
 nr= 11 gap=125 rms=0.72  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	36.9	174	Pg	9:33:28.80		1.04	
			Sg	33:32.50		-0.40	
KECS	54.1	61	Pg	9:33:31.24		0.41	
			Sg	33:38.32		-0.05	
PENC	66.1	220	Pg	9:33:32.87		-0.08	
			Sg	33:40.88		-1.28	
ABAH	103.7	87	Pg	9:33:39.73		0.06	
			Sg	33:53.01		-1.09	
LANS	104.0	345	eSg	9:33:53.30		-0.92	
NIE	134.6	15	Pn	9:33:45.84		0.87	
			Sn	34:02.68		-0.86	

329.

2020-04-02 time: 9:37:58.42 UTC ML= 0.9  
 lat: 47.200N lon: 18.298E h= 0.0 km  
 erh= 2.6km erz= 274km  
 nr= 5 gap=270 rms=0.13  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.4	351	Pg	9:38:01.74		0.04	
			Sg	38:03.91		-0.34	
PKST	21.0	288	Pg	9:38:02.13		-0.04	
			Sg	38:05.19		0.09	
PKSG	22.5	18	Sg	9:38:05.69		0.13	

330.

2020-04-02 time: 9:53:31.54 UTC ML= 1.7  
 lat: 47.550N lon: 16.323E h= 0.0 km  
 erh= 1.4km erz= 1.6km  
 nr= 23 gap= 79 rms=0.98  
 Locality: Austria  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.7	353	Pg	9:53:34.92		0.39	
			Sg	53:37.07		0.21	
SOP	23.1	50	Pg	9:53:35.82		0.15	
			Sg	53:38.61		-0.27	
CONA	54.4	321	Pg	9:53:41.83		0.57	
			Sg	53:48.83		-0.01	
ARSA	68.9	241	Pg	9:53:44.53		0.68	
			Sg	53:54.11		0.66	
MPLH	101.2	115	Sg	9:54:05.04		1.33	
MODS	116.1	38	ePg	9:53:53.90		1.63	
			eSg	54:07.60		-0.83	
KOGS	122.6	183	Sg	9:54:10.39		-0.13	
PKST	133.2	104	Pn	9:53:55.46		0.27	
			Sn	54:12.23		-1.40	
SMOL	135.2	38	Sn	9:54:12.22		-1.86	
GROS	136.2	207	Sn	9:54:13.02		-1.28	
PERS	136.8	222	Pn	9:53:56.50		0.87	
			Sn	54:12.77		-1.65	
SOKA	137.8	225	Sn	9:54:12.71		-1.93	
KRUC	168.2	2	Pn	9:53:58.71		-0.83	
			Sn	54:19.01		-2.38	
PTJ	185.6	189	Sn	9:54:24.99		-0.25	
VRAC	196.5	6	Sn	9:54:24.19		-3.49	

331.

2020-04-02 time: 10:25:24.67 UTC ML= 1.7  
 lat: 47.853N lon: 20.142E h= 0.0 km  
 erh= 3.2km erz= 720km  
 nr= 8 gap=161 rms=0.52  
 Locality: Kiszána  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	19.8	291	PgU	10:25:28.46		0.25	
			Sg	25:30.19		-0.79	
PENC	64.8	264	Pg	10:25:36.85		0.61	
			Sg	25:43.91		-1.35	
KECS	74.6	20	Pg	10:25:38.04		0.05	
ABAH	95.5	59	Pg	10:25:42.00		0.28	
			Sg	25:54.42		-0.60	
PKS7	116.2	220	Sg	10:26:01.43		-0.18	

332.

2020-04-02 time: 10:32:56.65 UTC ML= 2.0  
 lat: 48.220N lon: 21.214E h= 0.0 km  
 erh= 3.0km erz= 807km  
 nr= 7 gap=155 rms=0.54  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	8.7	12	PgU	10:32:58.40		0.21	
			Sg	32:58.99		-0.41	
KECS	61.4	298	Pg	10:33:08.20		0.59	
			Sg	33:15.35		-0.82	
TRPA	99.0	96	Pg	10:33:14.78		0.45	
			Sg	33:27.56		-0.57	
PSZ	103.9	251	Sg	10:33:28.86		-0.82	

333.

2020-04-02 time: 10:49:07.33 UTC ML= 2.1  
 lat: 48.225N lon: 21.233E h= 0.0 km  
 erh= 3.0km erz= 3.4km  
 nr= 14 gap=155 rms=0.89  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	7.9	4	Pg	10:49:08.67		-0.07	
			Sg	49:09.29		-0.54	
KECS	62.3	297	Pg	10:49:18.61		0.14	

## Földrengés paraméterek

## Hypocenter Parameters

		Sg	49:24.89	-2.26	
TRPA	97.7	96	Pg	10:49:24.61	-0.18
		Sg	49:37.28	-1.12	
PSZ	105.4	251	Pg	10:49:26.57	0.41
		Sg	49:40.03	-0.81	
STHS	132.5	0	ePn	10:49:33.70	2.81
NIE	148.9	333	Pn	10:49:33.95	1.02
		Sn	49:51.91	-0.99	
PENC	153.4	252	Sn	10:49:54.54	0.64
LANS	165.7	308	Pn	10:49:35.63	0.60
		Sn	49:56.27	-0.37	

334.

2020-04-03 time: 5:59:54.02 UTC ML= 1.2  
 lat: 47.264N lon: 17.633E h= 0.0 km  
 erh= 2.6km erz= 751km  
 nr= 8 gap=130 rms=0.53  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	12.6	214	Pg	5:59:56.51	0.24
			Sg	59:57.77	-0.26
EGYH	28.4	307	Pg	5:59:58.43	-0.66
			Sg	6:00:03.75	0.70
PKST	30.4	91	Pg	5:59:59.41	-0.04
			Sg	6:00:03.48	-0.21
CSKK	48.7	77	Pg	5:60:03.50	0.77
			Sg	60:08.67	-0.84

335.

2020-04-03 time: 7:58:22.62 UTC ML= 2.7  
 lat: 45.907N lon: 16.012E h= 7.2 km  
 erh= 1.4km erz= 1.0km  
 nr= 60 gap= 98 rms=0.76  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.3	259	Pg	7:58:24.49	0.36
			Sg	58:25.51	0.21
ZAG	8.8	189	Pg	7:58:25.41	0.75
			Sg	58:26.14	-0.11
GCIS	30.2	262	iPgD	7:58:28.46	0.30
			eSg	58:32.09	-0.40
GOLS	32.2	291	iPgD	7:58:28.88	0.37
			eSg	58:32.97	-0.13
CESS	43.2	280	iPg	7:58:30.96	0.52
			eSg	58:36.37	-0.17
CRES	44.0	258	Pg	7:58:30.43	-0.16
			Sg	58:36.72	-0.09
DOBS	49.9	303	iPg	7:58:32.04	0.41
LEGS	54.0	275	iPgD	7:58:32.52	0.16
KOGS	62.9	17	Pg	7:58:34.18	0.25
			Sg	58:42.37	-0.37
GROS	73.1	327	Pg	7:58:35.69	-0.05
			Sg	58:44.80	-1.16
BOJS	74.2	233	iPg	7:58:35.19	-0.75
PDKS	80.4	282	iPgD	7:58:36.91	-0.13
BEHE	86.0	43	Pg	7:58:38.34	0.31
VISS	91.8	263	iPg	7:58:38.30	-0.77
ZAVS	96.1	308	eSg	7:58:51.73	-1.54
GBRS	102.5	246	iPgD	7:58:40.12	-0.85
			eSg	58:54.99	-0.29
PERS	106.4	320	Pg	7:58:41.47	-0.20
			Sg	58:54.91	-1.61
SOKA	114.2	319	Pn	7:58:42.79	-0.18
			Sn	58:56.14	-2.69
GBAS	121.8	271	iPnD	7:58:43.26	-0.66
			eSn	58:59.29	-1.24
OBKA	131.2	301	Pn	7:58:45.59	0.50
			Sn	59:01.79	-0.83
KNDS	133.8	252	iPn	7:58:45.18	-0.24

		eSn	59:03.44	0.24	
CRNS	137.0	278	iPn	7:58:46.21	0.40
		eSn	59:03.60	-0.30	
JAVS	151.1	269	iPn	7:58:48.26	0.68
ARSA	154.0	346	Pn	7:58:49.74	1.81
		Sn	59:07.50	-0.16	
SKDS	160.6	256	ePn	7:58:49.52	0.77
		eSn	59:09.59	0.45	
KOVH	163.0	83	Pn	7:58:48.20	-0.85
		Sn	59:06.70	-2.97	
VOJS	165.2	275	eSn	7:59:11.02	0.86
PKSV	173.9	91	Pn	7:58:49.79	-0.62
CADS	179.6	281	iPn	7:58:52.79	1.67
		eSn	59:14.90	1.55	
MPLH	182.9	40	Pn	7:58:52.46	0.93
		Sn	59:14.44	0.36	
ROBS	197.2	281	eSn	7:59:19.78	2.52
RONA	200.4	6	Pn	7:58:55.07	1.35
PKSM	206.3	81	Pn	7:58:53.21	-1.24
		Sn	59:15.65	-3.63*	
MORH	206.6	80	Pn	7:58:53.20	-1.29
		Sn	59:15.36	-3.98*	
CONA	225.0	357	Pn	7:58:58.01	1.23
MOA	253.6	328	Pn	7:59:02.06	1.70
		Sn	59:29.27	-0.52	
BUD	289.5	53	Sn	7:59:38.21	0.47*
MODS	290.5	19	ePn	7:59:05.00	0.04
		eSn	59:33.90	-4.07*	
PENC	325.6	50	Sn	7:59:42.32	-3.44*
KHC	402.6	333	ePn	7:59:20.70	1.77*
		eSn	8:00:01.20	-1.64*	

336.

2020-04-03 time: 7:59:28.81 UTC ML= 1.4  
 lat: 47.669N lon: 18.743E h= 0.0 km  
 erh= 1.2km erz= 222km  
 nr= 5 gap=205 rms=0.10  
 Locality: Leányvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	29.6	134	Sg	7:59:38.21	0.00
PKSG	40.7	221	Sg	7:59:41.86	0.11
PENC	42.6	72	Sg	7:59:42.32	-0.04
CSKK	49.8	227	Pg	7:59:37.76	0.05
			Sg	59:44.42	-0.22

337.

2020-04-03 time: 9:22:02.12 UTC ML= 1.4  
 lat: 47.291N lon: 17.633E h= 0.0 km  
 erh= 1.6km erz= 1.7km  
 nr= 13 gap=137 rms=0.50  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	15.2	208	Pg	9:22:04.81	-0.03
			Sg	22:07.25	0.29
EGYH	26.7	302	Sg	9:22:10.63	0.01
PKST	30.6	97	Pg	9:22:08.45	0.87
			Sg	22:12.09	0.26
CSKK	48.1	80	Sg	9:22:16.53	-0.87
PKSG	58.3	79	Pg	9:22:12.54	0.00
			Sg	22:20.75	0.09
KOVH	138.4	165	Sn	9:22:44.71	-0.65
KOGS	141.1	228	Sn	9:22:46.03	0.07
MORH	142.3	147	Sn	9:22:46.10	-0.13
PKSM	142.6	147	Sn	9:22:45.64	-0.65
CONA	150.9	298	Sn	9:22:46.10	-2.03

# Hypocenter Parameters

# Földrengés paraméterek

338.

2020-04-03 time: 17:15:44.96 UTC ML= 2.0  
lat: 45.914N lon: 16.033E h= 7.1 km  
erh= 1.3km erz= 1.4km  
nr= 26 gap=107 rms=0.51  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	6.0	255	Pg	17:15:46.58			-0.04
			Sg	15:47.44			-0.48
ZAG	9.9	198	PgD	17:15:47.37			0.23
			Sg	15:49.04			0.21
GCIS	31.9	261	iPg	17:15:50.94			0.14
			iSg	15:54.79			-0.56
GOLS	33.4	289	iPg	17:15:51.90			0.83
			eSg	15:56.12			0.29
CESS	44.7	279	iSg	17:15:59.09			-0.25
CRES	45.8	258	Pg	17:15:53.56			0.32
			Sg	15:59.36			-0.33
DOBS	50.9	301	iPg	17:15:54.61			0.47
LEGS	55.6	274	eSg	17:16:02.17			-0.61
KOGS	61.7	16	Pg	17:15:56.50			0.44
			Sg	16:04.57			-0.14
GROS	73.4	326	PgD	17:15:58.26			0.14
			Sg	16:07.75			-0.64
BOJS	76.0	233	iPg	17:15:58.33			-0.26
BEHE	84.3	43	Pg	17:16:00.24			0.17
			Sg	16:10.02			-1.84
PERS	106.9	319	Pg	17:16:03.69			-0.41
			Sg	16:17.20			-1.82
OBKA	132.3	300	Pn	17:16:08.81			1.23
			Sn	16:25.14			-0.09
KOVH	161.3	83	Pn	17:16:10.66			-0.54
PKSV	172.2	91	Pn	17:16:11.93			-0.64

339.

2020-04-03 time: 20:29:46.23 UTC ML= 0.3  
lat: 47.392N lon: 18.132E h= 2.5 km  
erh= 4.6km erz=13.2km  
nr= 6 gap=244 rms=0.15  
Locality: Nagyveleg  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.2	108	Pg	20:29:48.29			0.18
			Sg	29:49.51			-0.07
PKST	16.5	207	Pg	20:29:49.36			0.14
			Sg	29:51.33			-0.22
PKSG	19.5	90	Pg	20:29:49.66			-0.09
			Sg	29:52.31			-0.18

340.

2020-04-03 time: 23:26:23.51 UTC ML= 2.1  
lat: 45.889N lon: 16.011E h= 10.0 km  
erh= 1.7km erz= 1.2km  
nr= 39 gap= 62 rms=0.75  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.3	287	PgD	23:26:25.11			-0.34
			Sg	26:26.03			-0.94
ZAG	6.8	191	PgD	23:26:25.71			0.05
			Sg	26:26.99			-0.36
GCIS	29.9	265	iPg	23:26:29.49			0.36
			iSg	26:33.51			-0.01
GOLS	32.9	294	iPg	23:26:30.16			0.52
			eSg	26:34.31			-0.12
CESS	43.5	282	iPg	23:26:32.22			0.74
			iSg	26:37.89			0.19
CRES	43.6	261	Pg	23:26:31.60			0.10

			Sg	26:37.75			0.02
DOBS	51.0	305	iPg	23:26:33.23			0.45
			eSg	26:39.80			-0.22
LEGS	54.2	277	ePg	23:26:33.76			0.41
			eSg	26:40.40			-0.63
KOGS	64.8	17	Pg	23:26:35.21			-0.01
			Sg	26:43.32			-1.04
BOJS	73.0	234	iPg	23:26:36.68			0.02
GROS	74.8	328	Pg	23:26:36.90			-0.07
			Sg	26:45.95			-1.53
PDKS	80.8	284	iPg	23:26:38.15			0.10
PERS	107.9	320	Pn	23:26:42.13			-0.59
			Sn	26:55.38			-2.32
SOKA	115.7	319	Pn	23:26:43.27			-0.41
			Sn	26:57.17			-2.25
OBKA	132.3	301	Pn	23:26:46.74			0.99
			Sn	27:02.54			-0.56
ARSA	155.9	346	Pn	23:26:51.08			2.38
			Sn	27:09.37			1.02
BLY	156.6	144	Pn	23:26:47.70			-1.08
			Sn	27:09.37			0.87
KOVH	163.3	82	Pn	23:26:49.19			-0.44
MPLH	184.5	39	Pn	23:26:53.07			0.81
			Sn	27:15.20			0.51
MYKA	200.4	294	Sn	23:27:22.61			4.38*
RONA	202.5	6	Pn	23:26:55.66			1.15
PKSM	206.7	80	Pn	23:26:54.29			-0.74
CONA	227.0	357	Pn	23:26:57.93			0.37
			Sn	27:30.14			6.01*
MOA	255.4	329	Sn	23:27:29.79			-0.63

341.

2020-04-04 time: 3:42:01.24 UTC ML= 1.9  
lat: 45.917N lon: 16.013E h= 7.4 km  
erh= 1.4km erz= 1.1km  
nr= 24 gap= 66 rms=0.54  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.7	246	Pg	3:42:02.66			-0.15
			Sg	42:03.90			-0.13
ZAG	9.9	189	Pg	3:42:03.40			-0.06
			Sg	42:04.46			-0.72
GCIS	30.5	259	iPg	3:42:07.09			0.25
			iSg	42:11.17			-0.04
CESS	43.1	278	iSg	3:42:15.51			0.36
CRES	44.4	257	Pg	3:42:09.54			0.26
			Sg	42:15.43			-0.11
DOBS	49.4	302	iPg	3:42:10.65			0.48
KOGS	61.8	17	Pg	3:42:12.82			0.46
			Sg	42:20.53			-0.50
GROS	72.2	327	Pg	3:42:14.16			-0.04
			Sg	42:24.05			-0.26
PERS	105.6	319	Pg	3:42:19.75			-0.40
			Sg	42:33.38			-1.52
SOKA	113.4	318	Pn	3:42:21.01			-0.46
			Sn	42:35.67			-1.58
OBKA	130.8	300	Pn	3:42:24.94			1.31
			Sn	42:41.15			0.05
BLY	159.0	145	Pn	3:42:27.34			0.18
			Sn	42:46.40			-0.97
KOVH	162.7	83	Sn	3:42:48.22			0.02
SOP	200.7	12	Pn	3:42:33.77			1.42

342.

2020-04-05 time: 8:05:17.49 UTC ML= 2.0  
lat: 45.913N lon: 16.003E h= 4.7 km  
erh= 1.4km erz= 1.5km  
nr= 18 gap=141 rms=0.42  
Locality: Croatia  
Comments:

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PTJ	3.8	247	Pg	8:05:18.64	0.07
			Sg	05:19.29	-0.12
ZAG	9.4	184	PgD	8:05:19.33	-0.04
			Sg	05:20.27	-0.56
GCIS	29.6	260	iPg	8:05:23.01	0.16
GOLS	31.3	290	iSg	8:05:28.56	1.01
CRES	43.5	257	Pg	8:05:25.44	0.13
			Sg	05:30.65	-0.76
DOBS	49.0	302	iPg	8:05:26.64	0.36
KOGS	62.4	18	Pg	8:05:28.77	0.10
			Sg	05:36.74	-0.66
GROS	72.2	328	Pg	8:05:30.34	-0.06
			Sg	05:39.85	-0.63
BEHE	85.9	44	Sg	8:05:45.22	0.37
PERS	105.5	320	Pg	8:05:36.23	-0.11
			Sg	05:50.63	-0.42
OBKA	130.3	301	Pn	8:05:41.06	0.88
			Sn	05:57.05	-0.82

343.

2020-04-05 time: 20:30:32.89 UTC ML= 2.5  
 lat: 45.953N lon: 16.099E h= 4.3 km  
 erh= 1.4km erz= 1.6km  
 nr= 57 gap= 63 rms=0.83  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	12.4	242	PgD	20:30:35.10	-0.14
			Sg	30:36.67	-0.41
ZAG	16.0	211	Pg	20:30:36.07	0.21
			Sg	30:38.66	0.49
GOLS	37.3	280	iPg	20:30:40.17	0.57
			iSg	30:44.91	0.08
GCIS	37.8	255	iPg	20:30:39.80	0.11
			iSg	30:44.78	-0.21
CESS	49.3	273	iPg	20:30:42.66	0.92
			iSg	30:48.77	0.14
CRES	51.8	254	Pg	20:30:42.05	-0.13
			Sg	30:48.85	-0.57
DOBS	53.4	294	iPg	20:30:42.99	0.53
KOGS	56.2	12	Pg	20:30:43.38	0.42
			Sg	30:51.27	0.45
LEGS	60.6	270	iPg	20:30:44.11	0.37
			iSg	30:51.93	-0.27
GROS	72.9	321	Pg	20:30:46.19	0.26
			Sg	30:55.09	-1.00
BEHE	77.6	42	Pg	20:30:46.38	-0.40
			Sg	30:57.74	0.13
BOJS	82.7	233	iPg	20:30:47.12	-0.56
PERS	107.2	315	Pg	20:30:51.69	-0.36
			Sg	31:05.27	-1.72
SOKA	115.1	314	Pg	20:30:52.85	-0.60
			Sg	31:07.59	-1.90
OBKA	134.6	297	Pn	20:30:56.66	0.51
			Sn	31:12.59	-1.71
ARSA	150.8	343	Pn	20:30:58.50	0.33
			Sn	31:17.91	0.02
KOVH	155.7	84	Pn	20:30:57.83	-0.95
			Sn	31:18.71	-0.26
BLY	158.6	148	Pn	20:30:59.18	0.04
			Sn	31:17.82	-1.79
PKSV	167.2	92	Sn	20:31:21.47	-0.06
MPLH	174.6	39	Pn	20:31:00.71	-0.44
EGYH	188.1	30	Pn	20:31:03.23	0.41
			Sn	31:26.43	0.26
RONA	194.7	4	Pn	20:31:05.01	1.36
			Sn	31:26.05	-1.59
SOP	195.5	10	Pn	20:31:04.03	0.28
			Sn	31:25.28	-2.53
PKSM	198.7	82	Pn	20:31:02.68	-1.47
			Sn	31:31.73	3.20
MORH	199.0	82	Pn	20:31:03.66	-0.52

sta	dist	azm	phase	hr mn sec	res
PKB4	202.5	73	Sn	31:32.09	3.50
			Sn	20:31:33.51	4.15
MYKA	203.7	292	Pn	20:31:07.62	2.85
			Sn	31:32.36	2.72
PKST	207.5	46	Pn	20:31:05.78	0.54
			Sn	20:31:36.82	4.59*
CONA	220.3	355	Pn	20:31:07.90	1.06
			Sn	20:31:40.45	5.67*
KBA	245.6	301	Pn	20:31:15.55	5.56*
			Pn	20:31:12.12	1.22
MOA	252.9	326	Sn	31:41.70	1.15
			Pn	20:31:13.96	1.00
BIOA	269.4	316	ePn	20:31:14.40	-0.32
			eSn	31:44.00	-3.35*
ABTA	289.9	288	Pn	20:31:22.33	6.82*
			ePn	20:31:30.40	1.02*
KHC	401.1	332	eSn	32:12.60	-0.83*
			ePn	20:31:31.90	1.02*
ZVC	413.1	340	eSn	32:13.80	-2.31*

344.

2020-04-06 time: 6:30:14.02 UTC ML= 1.1  
 lat: 47.282N lon: 18.366E h= 0.0 km  
 erh= 0.9km erz= 276km  
 nr= 8 gap=161 rms=0.20  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.1	319	Pg	6:30:16.22	0.05
			Sg	30:16.99	-0.86
PKSG	12.4	9	Pg	6:30:16.41	0.18
			Sg	30:17.74	-0.21
PKST	25.2	264	Pg	6:30:18.62	0.10
			Sg	30:22.08	0.05
MORH	120.4	170	Sg	6:30:52.14	-0.15
PKSM	120.8	170	Sg	6:30:52.29	-0.12

345.

2020-04-06 time: 9:25:37.96 UTC ML= 1.5  
 lat: 47.071N lon: 17.985E h= 0.0 km  
 erh= 2.7km erz= 922km  
 nr= 15 gap=170 rms=0.80  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	20.3	200	Pg	9:25:41.67	0.09
			Sg	25:44.17	-0.23
PKST	21.2	10	Pg	9:25:41.42	-0.33
			Sg	25:44.03	-0.68
CSKK	38.6	33	Pg	9:25:44.58	-0.27
			Sg	25:50.48	0.25
PKSG	47.1	41	Pg	9:25:45.93	-0.43
			Sg	25:53.39	0.47
PKB5	78.0	133	Pg	9:25:52.90	1.02
			Sg	26:02.13	-0.61
PKB4	79.4	144	Pg	9:25:53.42	1.27
			Sg	26:04.56	1.35
PKB2	105.5	115	Sg	9:26:11.15	-0.33
PKSM	107.9	152	Sg	9:26:10.48	-1.78
KOVH	109.6	175	Sg	9:26:11.15	-1.64

346.

2020-04-06 time: 9:36:05.93 UTC ML= 1.7  
 lat: 48.604N lon: 20.739E h= 0.0 km  
 erh= 2.1km erz= 5.9km  
 nr= 11 gap= 89 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

## Földregés paraméterek

sta	dist	azm	phase	hr mn sec	res
KECS	23.1	234	Pg	9:36:10.44	0.39
			Sg	36:12.63	-0.63
ABAH	50.5	133	Pg	9:36:14.71	-0.23
			Sg	36:21.43	-0.54
STHS	97.6	22	ePg	9:36:23.10	-0.26
			eSg	36:34.60	-2.35
PSZ	98.7	219	Pg	9:36:24.28	0.72
			Sg	36:36.29	-1.03
LANS	111.3	303	Pg	9:36:26.06	0.26
			Sg	36:40.26	-1.04
TRPA	143.4	112	Pn	9:36:31.86	1.01

347.

2020-04-07 time: 2:12:27.69 UTC ML= 1.9  
 lat: 45.921N lon: 16.021E h= 7.1 km  
 erh= 1.4km erz= 1.3km  
 nr= 32 gap=128 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.4	245	Pg	2:12:29.07	-0.21
			Sg	12:29.65	-0.88
ZAG	10.4	192	PgD	2:12:29.50	-0.44
			Sg	12:30.67	-1.03
GCIS	31.1	259	iPgC	2:12:33.48	0.09
			iSg	12:37.67	-0.17
GOLS	32.3	288	iPg	2:12:34.33	0.73
			iSg	12:38.95	0.74
CESS	43.7	278	iPgC	2:12:36.45	0.86
			iSg	12:41.94	0.19
CRES	45.1	256	Pg	2:12:35.87	0.04
			Sg	12:41.91	-0.28
DOBS	49.7	301	iPgC	2:12:37.08	0.42
			iSg	12:44.02	0.37
LEGS	54.7	273	iPg	2:12:37.76	0.23
			iSg	12:44.49	-0.72
KOGS	61.2	17	Pg	2:12:39.00	0.31
			Sg	12:46.87	-0.41
GROS	72.2	326	Pg	2:12:40.60	-0.04
			Sg	12:49.81	-0.94
BOJS	75.7	232	iPg	2:12:41.04	-0.23
PDKS	80.8	281	iPg	2:12:42.26	0.09
VISS	92.7	262	iPg	2:12:44.29	0.00
PERS	105.7	319	Pg	2:12:46.84	0.23
			Sg	12:59.45	-1.92
SOKA	113.5	318	Pn	2:12:47.33	-0.63
			Sn	13:01.81	-1.97
OBKA	131.1	300	Sn	2:13:06.94	-0.74
ARSA	152.7	346	Pn	2:12:53.19	0.34
			Sn	13:11.59	-0.88
BLY	159.0	145	Pn	2:12:55.08	1.45
			Sn	13:14.46	0.59

348.

2020-04-07 time: 4:57:29.68 UTC ML= 2.1  
 lat: 45.869N lon: 16.046E h= 5.6 km  
 erh= 2.6km erz= 2.3km  
 nr= 17 gap=208 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	6.1	222	Pg	4:57:31.40	0.24
			Sg	57:32.94	0.63
PTJ	7.7	296	Pg	4:57:31.06	-0.32
			Sg	57:31.68	-1.02
GCIS	32.5	270	ePg	4:57:35.77	0.19
			iSg	57:39.54	-0.64
GOLS	36.3	296	ePg	4:57:36.02	-0.22
CRES	46.1	264	Pg	4:57:38.46	0.49
			Sg	57:44.06	-0.37

sta	dist	azm	phase	hr mn sec	res
CESS	46.7	284	iPg	4:57:38.46	0.38
LEGS	57.2	279	iPg	4:57:39.76	-0.19
KOGS	66.2	14	Pg	4:57:41.51	-0.04
			Sg	57:49.46	-1.35
GROS	78.1	327	Pg	4:57:44.62	0.96
			Sg	57:55.56	1.00
PDKS	84.0	285	iPg	4:57:44.09	-0.63
OBKA	135.7	302	Sn	4:58:11.06	0.00
BBLs	346.6	130	Pn	4:58:18.46	-0.76*

349.

2020-04-07 time: 7:07:36.83 UTC ML= 1.2  
 lat: 48.047N lon: 20.326E h= 0.0 km  
 erh= 4.9km erz= 937km  
 nr= 6 gap=178 rms=0.54  
 Locality: Mikófalva  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	35.3	246	Pg	7:07:43.39	0.27
			Sg	07:47.30	-0.73
KECS	49.9	14	Pg	7:07:46.46	0.72
			Sg	07:51.85	-0.85
ABAH	73.4	68	Pg	7:07:49.97	0.04
			Sg	07:59.62	-0.52

350.

2020-04-07 time: 8:48:20.65 UTC ML= 1.6  
 lat: 48.564N lon: 20.768E h= 0.0 km  
 erh= 2.4km erz= 719km  
 nr= 9 gap=110 rms=0.54  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.7	247	Pg	8:48:25.05	0.35
			Sg	48:27.80	-0.06
ABAH	45.9	131	Pg	8:48:28.56	-0.29
			Sg	48:35.18	-0.06
PSZ	96.8	222	Pg	8:48:38.59	0.66
			Sg	48:49.98	-1.43
NIE	100.7	341	Pg	8:48:39.09	0.46
STHS	101.0	20	Pg	8:48:38.74	0.06
LANS	115.6	304	Pg	8:48:40.42	-0.86

351.

2020-04-07 time: 9:11:31.58 UTC ML= 0.9  
 lat: 47.086N lon: 18.103E h= 0.0 km  
 erh= 5.3km erz= \*\*\*km  
 nr= 5 gap=172 rms=0.49  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.9	345	Pg	9:11:34.74	-0.39
			Sg	11:38.13	0.23
MPLH	43.8	282	Pg	9:11:40.06	0.67
			Sg	11:44.79	-0.70
MORH	105.3	157	Sg	9:12:04.97	-0.07

352.

2020-04-07 time: 9:33:16.01 UTC ML= 1.3  
 lat: 48.385N lon: 19.832E h= 0.0 km  
 erh= 6.1km erz= 996km  
 nr= 5 gap=202 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	49.6	77	Pg	9:33:25.39	0.53

## Földrengés paraméterek

## Hypocenter Parameters

Sg 33:31.80 0.03  
 PSZ 52.1 175 Pg 9:33:25.44 0.13  
 Sg 33:32.01 -0.57  
 NIE 120.2 17 Sg 9:33:53.18 -1.04

353.

2020-04-07 time: 9:45:06.64 UTC ML= 0.8  
 lat: 47.250N lon: 18.238E h= 0.0 km  
 erh= 2.0km erz= 259km  
 nr= 6 gap=238 rms=0.16  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	12.7	8	Pg	9:45:09.18			0.26
			Sg	45:10.78			0.09
PKST	15.5	274	Pg	9:45:09.38			-0.02
			Sg	45:11.34			-0.22
PKSG	19.6	36	Pg	9:45:10.07			-0.07
			Sg	45:12.69			-0.18

354.

2020-04-07 time: 10:18:17.00 UTC ML= 1.8  
 lat: 47.322N lon: 18.435E h= 0.0 km  
 erh= 2.1km erz= 5.1km  
 nr= 13 gap= 82 rms=0.76  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.5	336	PgU	10:18:18.46			-0.05
			Sg	18:19.01			-0.68
CSKK	14.0	289	Pg	10:18:19.91			0.42
			Sg	18:21.42			-0.02
PKST	31.1	257	Pg	10:18:22.88			0.32
			Sg	18:26.04			-0.85
PKB4	92.7	172	Sg	10:18:47.61			1.15
PKB2	94.6	140	Sg	10:18:48.52			1.46
MORH	124.0	173	Sg	10:18:54.63			-1.78
PKSM	124.4	173	Sg	10:18:55.09			-1.45
PSZ	128.2	59	Pg	10:18:39.90			0.02
			Sg	18:57.11			-0.63
KOVH	139.5	191	Sn	10:19:01.08			0.60

355.

2020-04-07 time: 12:32:08.55 UTC ML= 2.0  
 lat: 46.120N lon: 21.681E h= 11.0 km  
 erh= 7.3km erz= 5.8km  
 nr= 15 gap=141 rms=1.09  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	56.2	185	Pg	12:32:18.68			-0.09
			Sg	32:25.70			-1.04
DRGR	108.8	47	Pn	12:32:27.74			0.00
			Sn	32:41.18			-1.53
GZR	117.4	133	PnC	12:32:28.65			-0.17
			Sn	32:42.80			-1.83
MARR	126.7	61	PnC	12:32:30.27			0.30
			Sn	32:44.90			-1.78
HERR	149.2	157	PnC	12:32:34.31			1.53
			Sn	32:52.00			0.32
CJR	161.5	66	Sn	12:32:56.00			1.60
LOT	178.8	115	PnC	12:32:38.03			1.56
			Sn	32:59.60			1.36
TRPA	232.8	16	Sn	12:33:12.17			1.94
PSZ	241.7	326	Sn	12:33:11.25			-0.96

356.

2020-04-08 time: 8:05:14.92 UTC ML= 1.9  
 lat: 47.707N lon: 18.531E h= 0.0 km  
 erh= 1.2km erz= 2.8km  
 nr= 23 gap=129 rms=0.63  
 Locality: Bajót  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SRO	20.1	306	Pg	8:05:18.69			0.17
			Sg	05:21.85			0.52
PKSG	36.6	197	Pg	8:05:21.89			0.43
			Sg	05:27.23			0.67
CSKK	43.3	208	Pg	8:05:22.54			-0.12
			Sg	05:28.28			-0.42
BUD	44.6	124	Sg	8:05:29.09			-0.02
PENC	57.1	81	Pg	8:05:25.77			0.66
			Sg	05:33.58			0.52
PKST	62.3	217	Pg	8:05:26.07			0.02
			Sg	05:33.15			-1.58
MPLH	95.7	231	Pg	8:05:32.17			0.16
EGYH	95.8	250	Pg	8:05:32.83			0.79
			Sg	05:45.53			0.15
PKB1	104.5	169	Pg	8:05:34.43			0.85
			Sg	05:47.79			-0.35
PSZ	104.8	77	Pg	8:05:33.33			-0.31
			Sg	05:47.49			-0.74
MODS	119.3	308	ePg	8:05:35.50			-0.73
			eSg	05:50.60			-2.24
MORH	166.0	177	Pn	8:05:41.36			-1.30
PKSM	166.4	177	Pn	8:05:41.61			-1.10
KOVH	182.9	190	Sn	8:06:07.32			-0.73

357.

2020-04-08 time: 8:11:27.63 UTC ML= 1.6  
 lat: 48.540N lon: 20.676E h= 0.0 km  
 erh= 4.1km erz= 498km  
 nr= 6 gap=237 rms=0.29  
 Locality: Szögliget  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	15.4	246	Pg	8:11:30.31			-0.07
			Sg	11:32.07			-0.46
ABAH	49.7	123	Pg	8:11:36.74			0.23
			Sg	11:42.91			-0.52
PSZ	90.3	220	Pg	8:11:44.07			0.32
			Sg	11:56.27			-0.05

358.

2020-04-08 time: 9:40:28.07 UTC ML= 0.8  
 lat: 47.203N lon: 18.303E h= 0.0 km  
 erh= 2.0km erz= 447km  
 nr= 7 gap=149 rms=0.30  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.1	350	Pg	9:40:31.30			0.00
			Sg	40:33.51			-0.32
PKST	21.3	287	Pg	9:40:32.01			0.14
			Sg	40:34.77			-0.07
PKSG	22.0	17	Pg	9:40:32.36			0.36
			Sg	40:34.87			-0.20
PKSM	113.2	167	Sg	9:41:02.91			-1.12

## Hypocenter Parameters

## Földrengés paraméterek

359.  
 2020-04-08 time: 22:16:12.07 UTC ML= 0.3  
 lat: 46.083N lon: 18.347E h= 0.7 km  
 erh= 0.3km erz=10.3km  
 nr= 9 gap=141 rms=0.08  
 Locality: Romonya  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	19.1	272	Pg	22:16:15.52	0.04
			Sg	16:17.98	-0.16
PKSV	22.9	199	Pg	22:16:16.25	0.10
			Sg	16:19.05	-0.28
PKSM	26.9	58	Pg	22:16:16.88	0.01
			Sg	16:20.55	-0.06
MORH	27.3	57	Pg	22:16:16.95	0.01
			Sg	16:20.67	-0.08
PKB4	50.0	23	Pg	22:16:21.03	0.03

360.  
 2020-04-09 time: 8:07:04.18 UTC ML= 1.4  
 lat: 47.712N lon: 18.734E h= 0.0 km  
 erh= 1.7km erz= 382km  
 nr= 12 gap=199 rms=0.33  
 Locality: Csolnok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	33.4	139	Pg	8:07:09.99	-0.16
			Sg	07:14.41	-0.40
PENC	42.0	78	Pg	8:07:11.97	0.29
			Sg	07:17.63	0.11
PKSG	44.0	216	Pg	8:07:12.01	-0.03
			Sg	07:18.11	-0.06
CSKK	52.7	223	Sg	8:07:21.17	0.24
PKST	72.9	226	Pg	8:07:17.77	0.56
			Sg	07:26.87	-0.49
PSZ	89.9	75	Pg	8:07:19.66	-0.57
			Sg	07:33.06	0.31
MPLH	108.4	236	Pg	8:07:23.57	0.03

361.  
 2020-04-09 time: 8:40:45.61 UTC ML= 1.5  
 lat: 45.885N lon: 18.382E h= 0.0 km  
 erh= 1.9km erz= 327km  
 nr= 10 gap=243 rms=0.26  
 Locality: Palkonya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	10.0	272	PgU	8:40:47.15	-0.25
			Sg	40:48.68	-0.12
KOVH	31.4	316	Pg	8:40:51.38	0.16
			Sg	40:55.85	0.25
PKSM	41.5	29	PgU	8:40:52.89	-0.14
			Sg	40:58.79	-0.02
MORH	42.0	29	PgU	8:40:53.01	-0.10
			Sg	40:58.92	-0.05
PKB1	104.9	18	Pg	8:41:05.00	0.67
			Sg	41:18.65	-0.29

362.  
 2020-04-09 time: 10:55:08.32 UTC ML= 1.7  
 lat: 47.854N lon: 20.169E h= 0.0 km  
 erh= 3.4km erz= 3.0km  
 nr= 6 gap=206 rms=0.31  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.8	289	Pg	10:55:12.30	0.10
			Sg	55:15.15	-0.08
PENC	66.8	264	Sg	10:55:29.15	-0.41
ABAH	93.7	58	Pg	10:55:25.03	-0.02
			Sg	55:37.75	-0.35
LANS	153.2	340	ePn	10:55:35.10	0.65
			eSn	55:52.20	-2.64*

363.  
 2020-04-09 time: 16:19:26.13 UTC ML= 2.6  
 lat: 45.889N lon: 16.018E h= 7.1 km  
 erh= 1.2km erz= 1.0km  
 nr= 41 gap= 54 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.9	285	Pg	16:19:27.72	0.06
			Sg	19:28.55	-0.30
ZAG	6.9	196	Pg	16:19:28.01	0.12
			Sg	19:28.79	-0.48
GCIS	30.5	265	iPgC	16:19:32.08	0.37
			eSg	19:36.14	0.07
GOLS	33.4	294	iPg	16:19:32.66	0.43
CESS	44.1	282	iPg	16:19:34.73	0.63
			iSg	19:40.35	0.03
CRES	44.2	261	Pg	16:19:34.27	0.15
			Sg	19:39.98	-0.37
DOBS	51.5	304	iPg	16:19:35.74	0.33
LEGS	54.8	277	iPg	16:19:36.32	0.33
			eSg	19:43.25	-0.44
KOGS	64.7	16	Pg	16:19:38.14	0.38
			Sg	19:46.36	-0.46
BOJS	73.4	234	iPg	16:19:39.02	-0.28
GROS	75.1	328	Pg	16:19:39.48	-0.12
			Sg	19:48.85	-1.26
BEHE	87.1	42	Pg	16:19:42.19	0.45
VISS	92.1	264	iPg	16:19:42.17	-0.45
PERS	108.3	320	Pg	16:19:44.83	-0.68
			Sg	19:58.44	-2.19
MOZS	129.9	290	iPn	16:19:48.62	0.16
OBKA	132.8	301	Pn	16:19:49.23	0.41
			Sn	20:05.27	-1.24
ARSA	156.1	346	Pn	16:19:52.26	0.54
			Sn	20:12.29	0.60
BLY	156.2	144	Pn	16:19:51.93	0.19
			Sn	20:12.01	0.30
KOVH	162.8	82	Pn	16:19:51.68	-0.88
			Sn	20:14.23	1.06
PKSV	173.4	90	Pn	16:19:52.96	-0.92
			Sn	20:16.34	0.81
PKSM	206.1	80	Pn	16:19:56.90	-1.07
MORH	206.4	80	Pn	16:19:56.93	-1.07
CONA	227.1	357	Pn	16:20:01.86	1.29
MOA	255.7	328	Pn	16:20:05.80	1.66
			Sn	20:32.44	-1.35
ZST	269.4	18	ePn	16:20:06.00	0.14
			eSn	20:33.00	-3.84*
MODS	292.3	19	ePn	16:20:08.60	-0.11
			eSn	20:38.20	-3.72*
KHC	404.7	333	ePn	16:20:23.80	1.08*
			eSn	21:04.50	-2.36*
ZVC	417.9	341	ePn	16:20:25.70	1.33*
			eSn	21:06.90	-2.89*

364.  
 2020-04-10 time: 12:09:22.86 UTC ML= 1.7  
 lat: 45.595N lon: 17.376E h= 10.4 km  
 erh= 3.7km erz= 1.8km  
 nr= 11 gap=225 rms=0.42  
 Locality: Croatia  
 Comments:



## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KOVH	78.6	46	Pg	12:09:36.74	-0.28
			Sg	09:47.94	-0.12
PTJ	115.4	287	Sn	12:09:56.80	-1.82
PKSM	119.8	55	Pn	12:09:43.66	0.16
			Sn	09:59.50	-0.09
MORH	120.2	55	Pn	12:09:43.86	0.31
			Sn	09:59.45	-0.24
KOGS	128.8	317	Sn	12:10:01.91	0.32
CRES	151.6	280	Pn	12:09:47.53	0.07
			Sn	10:06.47	-0.18
GROS	174.1	304	Sn	12:10:13.34	1.69

365.

2020-04-11 time: 1:32:11.41 UTC ML= 1.0  
 lat: 46.592N lon: 22.701E h= 7.2 km  
 erh= 4.0km erz= 4.3km  
 nr= 15 gap=108 rms=1.06  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	22.2	2	Pg	1:32:16.23	0.66
			Sg	32:19.52	0.71
MARR	33.3	74	PgC	1:32:16.81	-0.69
			Sg	32:20.20	-2.05
MESR	64.8	17	Sg	1:32:31.80	-0.33
LTVH	107.1	325	Sg	1:32:43.81	-1.71
GZR	133.4	177	PnC	1:32:34.73	0.57
GZR	133.4	177	Sn	1:32:50.20	-1.71
BMR	134.4	27	Sn	1:32:52.90	0.76
BZS	137.1	218	Pn	1:32:34.96	0.34
			Sn	32:51.29	-1.43
LOT	151.8	147	PnC	1:32:37.46	1.01
HERR	191.5	187	PnC	1:32:43.16	1.75
			Sn	33:05.40	0.60
VOIR	222.7	125	Sn	1:33:12.70	0.98

366.

2020-04-11 time: 10:09:57.43 UTC ML= 0.2  
 lat: 47.396N lon: 18.189E h= 8.5 km  
 erh= 0.6km erz= 0.4km  
 nr= 5 gap=234 rms=0.09  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	6.5	124	Pg	10:09:59.44	0.10
			Sg	10:00.86	0.04
PKSG	15.2	92	Pg	10:10:00.55	0.00
			Sg	10:02.79	-0.18
PKST	19.1	218	Sg	10:10:04.02	-0.07

367.

2020-04-11 time: 18:52:22.18 UTC ML= 1.6  
 lat: 45.892N lon: 16.027E h= 6.7 km  
 erh= 2.1km erz= 1.4km  
 nr= 24 gap=185 rms=0.58  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.4	279	Pg	18:52:23.78	0.05
			Sg	52:24.49	-0.44
ZAG	7.5	200	Pg	18:52:23.46	-0.52
			Sg	52:24.40	-0.98
GCIS	31.2	265	iPgD	18:52:28.18	0.31
			iSg	52:32.37	0.06
GOLS	33.9	293	iPg	18:52:29.29	0.94
			eSg	52:33.48	0.31
CRES	44.9	261	Pg	18:52:30.57	0.28

sta	dist	azm	phase	hr mn sec	res
DOBS	51.8	304	iPg	18:52:31.93	0.41
KOGS	64.2	16	Pg	18:52:34.30	0.59
			Sg	52:42.10	-0.59
GROS	75.1	327	Pg	18:52:35.85	0.20
			Sg	52:45.12	-1.04
PDKS	82.0	283	iPg	18:52:37.01	0.14
PERS	108.5	320	Pg	18:52:41.32	-0.27
			Sg	52:54.61	-2.11
SOKA	116.2	319	Pn	18:52:43.12	0.27
			Sn	52:56.99	-1.98
OBKA	133.1	301	Pn	18:52:45.47	0.51
			Sn	53:01.44	-1.28
ARSA	155.9	346	Pn	18:52:48.00	0.21
			Sn	53:07.49	-0.28

368.

2020-04-12 time: 1:08:14.79 UTC ML= 1.8  
 lat: 45.885N lon: 16.038E h= 6.1 km  
 erh= 1.4km erz= 1.1km  
 nr= 26 gap= 67 rms=0.48  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.4	285	Pg	1:08:16.52	0.15
			Sg	08:17.56	-0.05
ZAG	7.1	209	Pg	1:08:16.24	-0.22
			Sg	08:17.18	-0.58
GCIS	31.9	266	iPgD	1:08:20.92	0.33
			iSg	08:25.05	-0.07
GOLS	35.0	294	iPg	1:08:21.48	0.35
CRES	45.6	262	Pg	1:08:23.13	0.13
			Sg	08:29.21	-0.20
CESS	45.6	282	ePg	1:08:23.62	0.61
DOBS	53.0	304	iPgC	1:08:24.68	0.37
LEGS	56.3	277	iPg	1:08:25.13	0.22
			eSg	08:32.03	-0.77
KOGS	64.7	15	Pg	1:08:26.67	0.27
			Sg	08:34.72	-0.74
GROS	76.3	327	Pg	1:08:28.39	-0.06
			Sg	08:37.66	-1.45
PERS	109.6	320	Pg	1:08:33.83	-0.56
			Sg	08:47.51	-2.17*
OBKA	134.3	301	Pn	1:08:38.31	0.53
			Sn	08:54.51	-1.21
BLY	155.0	145	Pn	1:08:40.33	-0.03
			Sn	08:59.00	-1.31
ARSA	156.9	345	Sn	1:09:01.37	0.64
KOVH	161.4	82	Sn	1:09:02.16	0.43
PKSV	171.9	90	Sn	1:09:04.42	0.35

369.

2020-04-12 time: 1:20:34.78 UTC ML= 2.0  
 lat: 45.861N lon: 16.053E h= 8.7 km  
 erh= 1.5km erz= 1.1km  
 nr= 52 gap= 88 rms=0.71  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	5.8	232	PgU	1:20:36.62	-0.02
			Sg	20:37.83	-0.26
PTJ	8.5	301	Pg	1:20:36.96	0.00
			Sg	20:38.15	-0.50
GCIS	33.0	271	ePgD	1:20:41.27	0.39
			eSg	20:45.46	-0.18
GOLS	37.2	297	iPgD	1:20:41.86	0.26
CRES	46.4	265	Pg	1:20:43.54	0.32
			Sg	20:49.93	0.13
CESS	47.4	285	ePg	1:20:44.02	0.63
			eSg	20:49.95	-0.16
DOBS	55.4	305	iPgD	1:20:44.98	0.18

**Hypocenter Parameters**

**Földrengés paraméterek**

		eSg	20:52.20	-0.42
LEGS	57.9 280	iPgD	1:20:45.49	0.26
		eSg	20:52.27	-1.11
KOGS	67.1 13	Pg	1:20:47.09	0.23
		Sg	20:55.19	-1.09
BOJS	73.9 238	ePg	1:20:47.91	-0.16
		eSg	20:57.34	-1.10
GROS	79.1 327	Pg	1:20:48.76	-0.24
		Sg	20:58.47	-1.62
PKDS	84.8 285	iPgD	1:20:49.92	-0.08
VISS	94.5 266	iPg	1:20:51.30	-0.43
ZAVS	101.8 309	iPg	1:20:52.85	-0.18
GBRS	103.5 249	iPg	1:20:52.91	-0.42
PERS	112.4 320	Pn	1:20:54.10	-0.62
		Sn	21:07.79	-2.49
SOKA	120.1 319	Pn	1:20:54.83	-0.86
		Sn	21:09.39	-2.61
GBAS	125.2 274	ePn	1:20:56.30	-0.03
OBKA	136.7 302	Pn	1:20:58.51	0.76
		Sn	21:15.96	0.30
CRNS	141.0 280	iPn	1:20:59.00	0.71
BLY	152.1 144	Pn	1:21:00.03	0.35
		Sn	21:18.41	-0.68
ARSA	159.7 345	Pn	1:21:01.47	0.84
		Sn	21:21.34	0.56
KOVH	160.7 81	Pn	1:21:00.18	-0.56
		Sn	21:18.62	-2.37
GORS	166.7 288	iPn	1:21:03.25	1.76
PKSV	170.8 89	Pn	1:21:01.58	-0.43
CADS	183.8 283	ePn	1:21:05.16	1.53
MPLH	185.0 38	Pn	1:21:04.57	0.80
EGYH	198.8 30	Sn	1:21:29.35	-0.11
PKSM	204.2 79	Pn	1:21:05.11	-1.06
MORH	204.5 79	Pn	1:21:05.56	-0.64
MYKA	204.7 295	Sn	1:21:30.57	-0.18
RONA	205.3 5	Pn	1:21:07.95	1.65
SOP	206.3 11	Pn	1:21:08.13	1.70
CONA	230.3 356	Pn	1:21:09.59	0.16
KBA	248.2 303	Pn	1:21:17.18	5.53*
MOA	259.7 328	Pn	1:21:13.62	0.53
		Sn	21:42.88	-0.09
ZVC	421.7 341	ePn	1:21:35.90	2.61*
		eSn	22:17.00	-1.92*

**370.**

2020-04-12 time: 3:30:42.69 UTC ML= 1.3  
 lat: 45.895N lon: 16.044E h= 1.1 km  
 erh= 1.9km erz=10.4km  
 nr= 13 gap=194 rms=0.42  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.7	275	Pg	3:30:44.00	0.09
			Sg	30:44.93	0.07
ZAG	8.3	208	Pg	3:30:43.91	-0.27
			Sg	30:44.94	-0.40
GCIS	32.5	265	ePg	3:30:48.56	0.06
			eSg	30:52.52	-0.51
CRES	46.3	261	Pg	3:30:51.75	0.80
			Sg	30:56.99	-0.41
DOBS	52.8	302	ePg	3:30:52.41	0.29
KOGS	63.6	14	Pg	3:30:54.40	0.36
			Sg	31:02.45	-0.44
PKDS	83.2	283	iPg	3:30:57.16	-0.39
PERS	109.1	319	Sg	3:31:15.01	-2.36*

**371.**

2020-04-12 time: 4:50:23.65 UTC ML= 1.8  
 lat: 45.893N lon: 16.039E h= 5.9 km  
 erh= 1.6km erz= 1.4km  
 nr= 24 gap=130 rms=0.52  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.4	277	Pg	4:50:25.46	0.26
			Sg	50:26.25	-0.16
ZAG	8.0	206	Pg	4:50:25.03	-0.39
			Sg	50:26.07	-0.73
GCIS	32.1	265	iPgD	4:50:29.73	0.25
			iSg	50:33.84	-0.18
GOLS	34.7	292	iPg	4:50:30.48	0.54
CESS	45.6	281	ePg	4:50:32.78	0.93
			eSg	50:38.90	0.65
CRES	45.9	261	Pg	4:50:31.84	-0.06
			Sg	50:37.89	-0.45
DOBS	52.5	303	iPg	4:50:33.57	0.48
LEGS	56.3	276	ePg	4:50:34.05	0.29
KOGS	63.8	15	Pg	4:50:35.06	-0.03
			Sg	50:43.51	-0.50
GROS	75.5	327	Pg	4:50:37.28	0.10
			Sg	50:46.43	-1.30
PKDS	82.8	283	iPg	4:50:38.43	-0.05
PERS	109.0	319	Pg	4:50:42.64	-0.49
			Sg	50:56.14	-2.19
OBKA	133.9	301	Sn	4:51:03.66	-0.87
BLY	155.7	145	Pn	4:50:50.12	0.79
			Sn	51:08.06	-1.31
ARSA	156.0	345	Sn	4:51:10.06	0.62

**372.**

2020-04-12 time: 5:15:17.23 UTC ML= 0.7  
 lat: 45.994N lon: 17.848E h= 18.1 km  
 erh= 0.6km erz= 0.2km  
 nr= 7 gap=311 rms=0.05  
 Locality: Katádfa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	22.1	62	Pg	5:15:22.28	-0.05
			Sg	15:26.40	0.09
PKSV	33.5	111	Pg	5:15:24.04	0.02
			Sg	15:29.28	-0.03
PKSM	65.9	68	S*	5:15:38.67	-0.07
MORH	66.3	68	P*	5:15:29.38	0.01
			S*	15:38.87	0.03

**373.**

2020-04-12 time: 13:31:03.64 UTC ML= 2.2  
 lat: 45.901N lon: 16.014E h= 2.7 km  
 erh= 1.2km erz= 1.2km  
 nr= 30 gap= 66 rms=0.43  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.3	268	PgU	13:31:04.69	0.15
			Sg	31:05.26	0.01
ZAG	8.2	191	PgD	13:31:05.03	-0.15
			Sg	31:05.92	-0.46
GCIS	30.2	263	iPgD	13:31:09.26	0.21
GOLS	32.5	292	iPg	13:31:09.82	0.36
CESS	43.4	281	iSg	13:31:17.61	0.15
CRES	44.0	259	Pg	13:31:11.63	0.12
			Sg	31:17.63	-0.03
DOBS	50.4	303	iPg	13:31:13.14	0.50
LEGS	54.2	276	iPg	13:31:13.64	0.31
KOGS	63.5	17	Pg	13:31:15.39	0.41

## Földrengés paraméterek

## Hypocenter Parameters

		Sg	31:23.32	-0.51	
GROS	73.7	328	Pg	13:31:16.80	0.00
			Sg	31:25.84	-1.23
BOJS	73.9	233	iPg	13:31:16.70	-0.15
PDKS	80.7	283	iPg	13:31:17.89	-0.16
			Sg	31:27.80	-1.50
PERS	107.0	320	Pg	13:31:22.97	0.22
			Sg	31:37.05	-0.60
SOKA	114.7	319	Pg	13:31:24.19	0.06
			Sg	31:38.46	-1.66
GBAS	121.9	272	iPg	13:31:24.68	-0.74
OBKA	131.7	301	Pn	13:31:27.14	0.40
			Sn	31:44.44	-0.33
ARSA	154.6	346	Pn	13:31:30.46	0.86
			Sn	31:49.36	-0.49
BLY	157.6	144	Pn	13:31:29.47	-0.50
KOVH	163.0	83	Pn	13:31:30.23	-0.41
VOJS	165.4	275	ePn	13:31:31.58	0.63

374.

2020-04-12 time: 22:07:24.67 UTC ML= 2.1  
 lat: 45.891N lon: 16.028E h= 9.0 km  
 erh= 2.5km erz= 1.6km  
 nr= 20 gap=129 rms=0.72  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.5	280	Pg	22:07:26.51	-0.04
			Sg	07:27.66	-0.36
ZAG	7.4	201	PgD	22:07:26.31	-0.43
			Sg	07:26.97	-1.39
GCIS	31.2	265	iPg	22:07:31.07	0.60
			eSg	07:34.86	-0.13
GOLS	34.0	293	iPg	22:07:31.99	1.04
			eSg	07:36.11	0.27
CRES	45.0	261	Pg	22:07:33.09	0.24
			Sg	07:39.98	0.74
DOBS	51.9	304	iPg	22:07:34.60	0.52
KOGS	64.2	15	Pg	22:07:36.69	0.44
			Sg	07:44.94	-0.34
GROS	75.2	327	Pg	22:07:38.17	-0.03
			Sg	07:46.89	-1.86
PERS	108.6	320	P*	22:07:42.92	-1.17
			S*	07:58.12	-1.12
OBKA	133.2	301	Sn	22:08:04.24	-0.48
ARSA	156.0	346	Sn	22:08:11.04	1.28
BLY	156.0	144	Sn	22:08:10.10	0.33

375.

2020-04-13 time: 3:43:16.57 UTC ML=-0.2  
 lat: 47.372N lon: 18.198E h= 3.3 km  
 erh= 1.3km erz= 1.1km  
 nr= 6 gap=217 rms=0.05  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.8	102	Pg	3:43:17.67	0.05
			Sg	43:18.38	-0.05
PKSG	14.7	81	Pg	3:43:19.30	0.04
			Sg	43:21.24	-0.12
PKST	17.6	225	Pg	3:43:19.79	0.01
			Sg	43:22.25	-0.03

376.

2020-04-13 time: 7:49:31.39 UTC ML= 0.7  
 lat: 47.310N lon: 18.283E h= 4.8 km  
 erh= 1.9km erz= 2.8km  
 nr= 6 gap=211 rms=0.03  
 Locality: Söréd  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	6.2	344	Pg	7:49:32.78	-0.01
			Sg	49:33.88	0.00
PKSG	12.2	42	Pg	7:49:33.70	-0.04
			Sg	49:35.61	0.05
PKST	19.7	253	Pg	7:49:35.05	0.04
			Sg	49:37.78	-0.05

377.

2020-04-14 time: 7:14:14.64 UTC ML= 1.3  
 lat: 48.073N lon: 20.680E h= 0.0 km  
 erh= 3.1km erz= 644km  
 nr= 5 gap=194 rms=0.29  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.8	342	Sg	7:14:29.94	0.10
ABAH	48.4	59	Pg	7:14:23.39	0.10
			Sg	14:29.64	-0.39
PSZ	61.1	254	Pg	7:14:25.82	0.26
			Sg	14:33.52	-0.55

378.

2020-04-14 time: 9:04:34.12 UTC ML= 1.3  
 lat: 47.202N lon: 18.303E h= 0.0 km  
 erh= 2.9km erz= 5.3km  
 nr= 7 gap=110 rms=0.57  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.2	350	Pg	9:04:37.49	0.12
			Sg	04:39.07	-0.84
PKST	21.3	287	Sg	9:04:40.29	-0.61
PKSG	22.1	17	Sg	9:04:41.92	0.77
MPLH	58.0	266	Pg	9:04:45.07	0.59
PKSM	113.1	167	Sg	9:05:09.86	-0.21
PSZ	143.8	56	Sn	9:05:17.82	-0.75

379.

2020-04-14 time: 9:08:38.55 UTC ML= 1.1  
 lat: 46.178N lon: 18.286E h= 0.0 km  
 erh= 0.8km erz= 3.3km  
 nr= 14 gap=102 rms=0.34  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.5	235	Pg	9:08:41.83	0.15
			Sg	08:44.17	0.05
PKSM	27.7	82	Pg	9:08:43.56	0.07
			Sg	08:47.29	-0.05
MORH	27.9	81	Pg	9:08:43.65	0.11
			Sg	08:47.43	0.00
PKSV	32.3	185	Pg	9:08:44.17	-0.15
			Sg	08:48.79	-0.03
PKB4	43.0	35	Sg	9:08:51.95	-0.26
PKB1	77.8	30	Sg	9:09:02.97	-0.29
PKS2	79.4	64	Sg	9:09:05.20	1.41
PKB2	91.8	53	Sg	9:09:07.31	-0.43
MPLH	124.2	333	Sg	9:09:18.68	0.66
PKSG	135.1	3	Sn	9:09:19.66	-1.40

## Hypocenter Parameters

## Földrengés paraméterek

380.

2020-04-14 time: 9:50:02.13 UTC ML= 1.6  
 lat: 47.327N lon: 18.444E h= 0.0 km  
 erh= 1.5km erz= 521km  
 nr= 9 gap=114 rms=0.39  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.3	331	PgU	9:50:03.66	0.05
			Sg	50:04.17	-0.60
CSKK	14.5	286	Pg	9:50:05.11	0.39
			Sg	50:06.18	-0.55
PKST	31.9	256	Pg	9:50:08.36	0.53
			Sg	50:11.90	-0.38
MORH	124.4	173	Sg	9:50:41.57	-0.12
PKSM	124.9	173	Sg	9:50:41.47	-0.35
PSZ	127.3	59	Sg	9:50:42.59	-0.01

381.

2020-04-15 time: 8:01:01.78 UTC ML= 1.4  
 lat: 47.846N lon: 19.080E h= 0.0 km  
 erh= 5.0km erz= 640km  
 nr= 6 gap=212 rms=0.38  
 Locality: Szendehegy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.3	112	Pg	8:01:04.68	-0.02
			Sg	01:06.98	0.00
PSZ	61.5	82	Pg	8:01:13.21	0.45
			Sg	01:20.71	-0.61
CSKK	81.7	229	Sg	8:01:28.02	0.26
PKST	102.2	230	Sg	8:01:33.68	-0.60

382.

2020-04-15 time: 9:09:34.50 UTC ML= 1.4  
 lat: 47.542N lon: 16.354E h= 0.0 km  
 erh= 3.0km erz= 3.8km  
 nr= 18 gap= 94 rms=1.08  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	18.0	346	Pg	9:09:37.83	0.12
			Sg	09:39.30	-0.92
SOP	22.0	44	Pg	9:09:38.79	0.37
			Sg	09:41.13	-0.35
CONA	56.6	319	Pg	9:09:45.05	0.45
			Sg	09:51.82	-0.67
EGYH	75.0	101	Sg	9:09:59.35	1.00
MPLH	98.7	115	Sg	9:10:05.00	-0.86
MODS	115.3	37	ePg	9:09:56.90	1.81
			eSg	10:10.30	-0.86
PKST	130.7	104	Pn	9:09:57.72	-0.11
			Sn	10:13.60	-2.43
SMOL	134.5	37	Sn	9:10:14.66	-2.21
GROS	136.6	208	Sn	9:10:17.62	0.29
PERS	137.8	223	Sn	9:10:15.48	-2.11
SOKA	138.9	226	Sn	9:10:17.72	-0.12
MOA	160.4	282	Pn	9:10:03.60	2.07
			Sn	10:23.67	1.06

383.

2020-04-15 time: 9:25:03.66 UTC ML= 1.8  
 lat: 46.903N lon: 17.347E h= 0.0 km  
 erh= 2.1km erz= 823km  
 nr= 15 gap=120 rms=0.71  
 Locality: Lesenceistvánd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	33.1	26	Pg	9:25:09.73	0.16
			Sg	25:14.56	0.39
TIH	41.6	91	Sg	9:25:17.82	0.93
EGYH	57.1	359	Sg	9:25:22.04	0.22
BEHE	65.0	222	Pg	9:25:16.35	1.07
			Sg	25:23.97	-0.37
PKST	65.5	53	Pg	9:25:14.41	-0.94
			Sg	25:23.87	-0.60
CSKK	86.1	54	Sg	9:25:31.25	0.22
PKSG	96.0	56	Pg	9:25:20.02	-0.78
			Sg	25:34.26	0.09
KOGS	98.0	239	Sg	9:25:34.26	-0.55
KOVH	107.5	147	Pg	9:25:23.62	0.77
			Sg	25:37.36	-0.47
PKSM	125.6	128	Sg	9:25:40.00	-3.57

384.

2020-04-15 time: 9:39:28.26 UTC ML= 0.7  
 lat: 47.188N lon: 18.275E h= 0.0 km  
 erh= 1.1km erz= 4.9km  
 nr= 9 gap=109 rms=0.30  
 Locality: Sárkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.5	357	Pg	9:39:31.94	0.19
			Sg	39:34.13	-0.33
PKST	19.9	293	Pg	9:39:31.99	0.18
			Sg	39:34.28	-0.30
PKSG	24.3	21	Pg	9:39:32.70	0.10
			Sg	39:35.85	-0.14
PKSM	112.1	166	Sg	9:40:04.31	0.43
KOVH	123.0	186	Sg	9:40:06.88	-0.46
PSZ	146.5	56	Sn	9:40:11.77	-1.52

385.

2020-04-15 time: 17:28:43.40 UTC ML= 1.8  
 lat: 45.904N lon: 16.012E h= 4.2 km  
 erh= 1.5km erz= 2.4km  
 nr= 17 gap=172 rms=0.40  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.2	263	Pg	17:28:44.75	0.28
			Sg	28:45.34	0.05
ZAG	8.5	189	Pg	17:28:45.06	-0.03
			Sg	28:45.74	-0.67
GCIS	30.1	262	iPgC	17:28:49.04	0.21
			iSg	28:53.01	-0.06
CRES	44.0	259	Pg	17:28:51.11	-0.18
			Sg	28:57.38	-0.06
DOBS	50.1	303	iPg	17:28:52.98	0.60
LEGS	54.1	275	iPg	17:28:53.41	0.32
KOGS	63.2	17	Pg	17:28:55.01	0.30
			Sg	29:03.05	-0.48
GROS	73.3	328	Sg	17:29:05.66	-1.10
PDKS	80.5	283	iPgD	17:28:57.83	0.03
			eSg	29:07.44	-1.58
PERS	106.7	320	Pg	17:29:02.28	-0.18
			Sg	29:15.50	-1.83

386.

2020-04-16 time: 6:07:02.60 UTC ML= 0.8  
 lat: 47.195N lon: 18.222E h= 0.0 km  
 erh= 1.8km erz= 576km  
 nr= 9 gap=133 rms=0.43  
 Locality: Csőr  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKST	15.9	297	Pg	6:07:05.36	-0.08
			Sg	07:07.65	0.00
CSKK	18.9	9	Pg	6:07:05.97	-0.01
			Sg	07:08.47	-0.15
PKSG	25.3	30	Pg	6:07:07.29	0.16
			Sg	07:10.61	-0.04
MORH	113.5	163	Sg	6:07:38.02	-0.68
PKSM	113.9	164	Pg	6:07:23.74	0.79
			Sg	07:37.67	-1.14

387.

2020-04-16 time: 6:10:34.74 UTC ML= 0.7  
 lat: 47.190N lon: 18.202E h= 0.0 km  
 erh= 1.8km erz= 498km  
 nr= 8 gap=138 rms=0.35  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	14.8	301	Pg	6:10:37.42	0.04
			Sg	10:39.59	0.15
CSKK	19.7	13	Pg	6:10:38.08	-0.17
			Sg	10:40.75	-0.25
PKSG	26.6	33	Pg	6:10:39.28	-0.20
			Sg	10:43.92	0.74
PKSM	113.9	163	Pg	6:10:55.39	0.32
			Sg	11:09.81	-1.12

388.

2020-04-16 time: 10:25:20.03 UTC ML= 1.8  
 lat: 48.546N lon: 20.765E h= 0.0 km  
 erh= 2.7km erz= 982km  
 nr= 11 gap=108 rms=0.80  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.8	251	Pg	10:25:24.44	0.52
			Sg	25:26.65	-0.31
ABAH	44.7	128	Pg	10:25:28.32	0.30
			Sg	25:34.46	0.21
PSZ	95.1	223	Pg	10:25:37.23	0.22
			Sg	25:49.38	-0.88
NIE	102.6	341	Pg	10:25:40.01	1.66
			Sg	25:51.54	-1.10
STHS	103.0	20	Pg	10:25:37.84	-0.58
			Sg	25:50.94	-1.83
LANS	116.6	305	Pg	10:25:40.71	-0.14

389.

2020-04-16 time: 14:43:08.59 UTC ML= 0.3  
 lat: 47.307N lon: 18.323E h= 0.0 km  
 erh= 1.3km erz= 367km  
 nr= 6 gap=142 rms=0.21  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	7.9	323	Pg	14:43:09.82	-0.18
			Sg	43:11.44	0.35
PKSG	10.8	28	Sg	14:43:11.98	-0.03
PKST	22.5	256	Pg	14:43:12.42	-0.19
			Sg	43:16.05	0.31
PKS7	69.7	114	Sg	14:43:30.90	0.15

390.

2020-04-17 time: 6:17:03.82 UTC ML= 1.3  
 lat: 47.312N lon: 17.647E h= 0.0 km  
 erh= 1.8km erz= 3.6km  
 nr= 7 gap=145 rms=0.39  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	17.8	207	Pg	6:17:06.93	-0.07
			Sg	17:09.68	0.19
EGYH	26.5	296	Pg	6:17:08.73	0.17
PKST	29.9	102	Sg	6:17:14.05	0.73
CSKK	46.7	83	Sg	6:17:18.89	0.23
PKSG	56.8	81	Pg	6:17:13.60	-0.37
MORH	143.7	148	Sn	6:17:47.23	-1.02

391.

2020-04-17 time: 7:09:48.89 UTC ML= 1.5  
 lat: 48.187N lon: 21.325E h= 0.0 km  
 erh= 4.0km erz= \*\*\*km  
 nr= 7 gap=160 rms=0.69  
 Locality: Bodrogkisfalud  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	13.6	332	Pg	7:09:51.68	0.35
			Sg	09:53.46	0.23
KECS	70.4	298	Sg	7:10:09.70	-1.57
TRPA	90.5	94	Pg	7:10:05.36	0.30
			Sg	10:16.97	-0.70
PSZ	110.8	254	Pg	7:10:09.33	0.66
			Sg	10:23.07	-1.03

392.

2020-04-17 time: 7:14:37.71 UTC ML= 1.1  
 lat: 47.330N lon: 17.635E h= 0.0 km  
 erh= 3.0km erz= 711km  
 nr= 5 gap=172 rms=0.32  
 Locality: Béb  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	19.2	202	Pg	7:14:41.05	-0.09
			Sg	14:43.80	-0.02
EGYH	24.9	293	Pg	7:14:42.60	0.44
			Sg	14:45.04	-0.59
PKST	31.2	105	Sg	7:14:47.49	-0.14

393.

2020-04-17 time: 10:17:29.00 UTC ML= 1.9  
 lat: 48.595N lon: 20.758E h= 0.0 km  
 erh= 1.7km erz= 3.9km  
 nr= 12 gap= 90 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.6	238	Pg	10:17:33.66	0.45
			Sg	17:36.41	-0.09
ABAH	48.7	133	Pg	10:17:38.14	0.45
			Sg	17:44.24	-0.24
NIE	97.3	340	Sg	10:17:59.72	-0.19
STHS	98.1	21	ePg	10:17:47.30	0.79
			eSg	17:59.50	-0.68
PSZ	98.8	220	Pg	10:17:46.79	0.15
			Sg	17:59.61	-0.79
LANS	113.0	303	Sg	10:18:03.68	-1.25
TRPA	141.7	111	Pn	10:17:53.71	0.01
			Sn	18:11.22	-1.75

## Hypocenter Parameters

## Földrengés paraméterek

394.

2020-04-17 time: 10:37:43.77 UTC ML= 1.7  
 lat: 47.416N lon: 18.442E h= 0.0 km  
 erh= 6.9km erz= 6.6km  
 nr= 6 gap=176 rms=0.47  
 Locality: Csákvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	4.8	235	Pg	10:37:45.08			0.46
			Sg	37:45.51			0.23
CSKK	14.9	247	Pg	10:37:46.49			0.05
			Sg	37:47.93			-0.59
PSZ	122.5	63	Sg	10:38:22.67			-0.04
MORH	134.3	173	Sn	10:38:24.87			-1.23

395.

2020-04-17 time: 19:40:01.44 UTC ML= 1.8  
 lat: 45.885N lon: 16.027E h= 11.4 km  
 erh= 1.5km erz= 1.0km  
 nr= 26 gap=129 rms=0.52  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	5.6	287	PgU	19:40:03.40			-0.31
			Sg	40:04.55			-0.93
ZAG	6.7	202	PgD	19:40:04.07			0.27
			Sg	40:04.78			-0.87
GCIS	31.1	266	iPg	19:40:07.84			0.49
			iSg	40:12.07			0.11
GOLS	34.2	294	iPg	19:40:08.89			1.02
			iSg	40:12.69			-0.20
CRES	44.8	262	Pg	19:40:10.14			0.46
			Sg	40:15.74			-0.38
CESS	44.8	283	eSg	19:40:16.15			0.02
DOBS	52.2	304	iPg	19:40:11.57			0.58
			eSg	40:18.52			0.09
LEGS	55.5	277	eSg	19:40:18.68			-0.76
KOGS	64.9	15	Pg	19:40:13.71			0.50
			Sg	40:21.89			-0.50
BOJS	73.7	235	iSg	19:40:24.71			-0.44
GROS	75.8	328	Pg	19:40:15.13			0.01
			Sg	40:24.41			-1.39
VISS	92.7	264	iSg	19:40:31.48			0.36
PERS	109.0	320	Pn	19:40:20.60			-0.01
			Sn	40:34.58			-0.98
SOKA	116.8	319	Pn	19:40:21.38			-0.20
			Sn	40:36.86			-0.42
OBKA	133.5	301	Sn	19:40:41.46			0.46
BLY	155.5	144	Sn	19:40:45.29			-0.58

396.

2020-04-18 time: 8:28:22.09 UTC ML= 1.2  
 lat: 46.176N lon: 18.296E h= 0.0 km  
 erh= 1.1km erz= 7.2km  
 nr= 11 gap=121 rms=0.32  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	18.0	237	Pg	8:28:25.34			0.03
			Sg	28:27.73			-0.10
PKSM	26.9	81	Pg	8:28:26.96			0.06
			Sg	28:30.63			-0.02
MORH	27.2	81	Pg	8:28:27.02			0.07
			Sg	28:30.58			-0.16
PKSV	32.1	186	Pg	8:28:27.78			-0.05
			Sg	28:32.16			-0.14
PKS9	45.7	358	Pg	8:28:30.83			0.57
			Sg	28:35.81			-0.81

PKSG 135.4 3 Sn 8:29:02.99 -1.67

397.

2020-04-19 time: 5:46:00.15 UTC ML= 2.9  
 lat: 48.526N lon: 22.370E h= 9.8 km  
 erh= 1.7km erz= 1.6km  
 nr= 33 gap=104 rms=0.55  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	45.7	164	Pg	5:46:08.32			-0.19
			Sg	46:14.04			-0.98
ID53	69.4	209	Pg	5:46:13.44			0.78
ABAH	87.5	253	Pg	5:46:15.60			-0.27
			Sg	46:28.23			0.10
CEI	93.7	176	PgC	5:46:17.00			0.02
KWP	125.4	11	Pn	5:46:21.24			-0.33
			Sn	46:37.76			-0.51
STHS	128.9	320	Pn	5:46:21.45			-0.55
			Sn	46:39.82			0.77
LTVH	131.6	195	Pn	5:46:22.40			0.06
			Sn	46:36.80			-2.85*
KJX	135.3	269	Pn	5:46:22.60			-0.20
			Sn	46:40.25			-0.21
KECS	139.3	268	Pn	5:46:23.05			-0.25
			Sn	46:41.65			0.29
ID51	142.0	220	Pn	5:46:22.82			-0.82
ID58	144.0	252	Pn	5:46:23.53			-0.35
MESR	159.0	164	PnC	5:46:26.29			0.53
BORR	165.5	195	PnC	5:46:27.74			1.17
NIE	180.4	303	Pn	5:46:29.13			0.71
			Sn	46:49.98			-0.49
DRGR	194.5	172	Pn	5:46:30.40			0.22
PSZ	195.9	250	Pn	5:46:30.57			0.21
			Sn	46:52.54			-1.38
MARR	213.2	165	PnC	5:46:32.83			0.31
CJR	221.7	155	PnC	5:46:34.01			0.44
LANS	224.1	288	Pn	5:46:34.89			1.02
			Sn	47:01.02			0.85
BURA	235.1	116	PnC	5:46:35.87			0.62
PENC	243.9	250	Pn	5:46:36.22			-0.12
OJC	265.2	315	Pn	5:46:40.78			1.77
DEV	296.5	172	PnC	5:46:43.99			1.08
MDB	305.5	150	PnD	5:46:43.64			-0.39*
PKSG	322.8	247	Pn	5:46:46.98			0.80*
BZS	328.4	190	Pn	5:46:46.91			0.03*
GZR	349.6	175	PnC	5:46:50.58			1.06*
LOT	358.4	163	PnC	5:46:51.42			0.80*
OZUR	373.8	136	PnD	5:46:52.42			-0.12*
MODS	377.1	267	ePn	5:46:53.30			0.35*
MORC	378.6	292	Pn	5:46:52.93			-0.22*
			Sn	47:35.73			1.25*
MORH	381.0	228	PnC	5:46:54.16			0.73*
ARR	391.1	154	PnD	5:46:56.02			1.32*
MPLH	391.7	247	Pn	5:46:54.64			-0.13*
TESR	392.5	125	PnC	5:46:56.01			1.14*
VOIR	399.3	149	PnD	5:46:56.50			0.77*
HERR	405.2	179	PnD	5:46:56.00			-0.45*
VRAC	432.2	282	Pn	5:46:59.26			-0.57*
PLOR	440.1	133	PnD	5:47:00.45			-0.35*
KRLC	441.5	293	Pn	5:47:00.96			-0.02*
			Sn	47:48.49			0.07*
KRUC	443.0	278	Pn	5:47:00.59			-0.58*
			Sn	47:48.73			-0.03*
CONA	488.1	262	Pn	5:47:06.58			-0.21*

## Földrengés paraméterek

## Hypocenter Parameters

398.

2020-04-19 time: 7:25:50.56 UTC ML= 1.9  
 lat: 48.552N lon: 22.385E h= 4.9 km  
 erh= 3.3km erz= 2.4km  
 nr= 16 gap=207 rms=0.64  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	48.2	166	Pg	7:25:58.83	-0.38
ABAH	89.4	251	Pg	7:26:06.72	0.17
			Sg	26:19.27	0.26
STHS	127.4	319	Pn	7:26:12.93	0.08
			Sn	26:29.98	-0.26
KJX	136.5	267	Pn	7:26:12.82	-1.16
			Sn	26:31.42	-0.83
KECS	140.5	267	Pn	7:26:14.86	0.37
			Sn	26:32.22	-0.93
ID58	145.9	251	Sn	7:26:34.49	0.14
NIE	179.7	302	Pn	7:26:19.85	0.48
			Sn	26:43.92	2.07
ID79	188.8	237	Pn	7:26:20.64	0.13
DRGR	197.2	173	Sn	7:26:47.08	1.34
PSZ	197.9	249	Pn	7:26:22.14	0.49
			Sn	26:48.70	2.80*

399.

2020-04-20 time: 6:30:36.35 UTC ML= 2.0  
 lat: 45.915N lon: 16.005E h= 6.3 km  
 erh= 1.8km erz= 2.0km  
 nr= 22 gap=102 rms=0.66  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.0	245	Pg	6:30:37.35	-0.33
			Sg	30:38.00	-0.71
ZAG	9.6	185	Pg	6:30:38.17	-0.23
			Sg	30:39.27	-0.73
GCIS	29.8	260	iPgD	6:30:41.86	0.08
			eSg	30:45.99	-0.03
GOLS	31.3	290	ePg	6:30:43.07	1.01
			iSg	30:46.93	0.42
CRES	43.7	257	Pg	6:30:44.17	-0.06
LEGS	53.4	274	iPg	6:30:46.16	0.20
			eSg	30:53.12	-0.33
KOGS	62.2	18	Pg	6:30:48.45	0.94
			Sg	30:55.41	-0.81
GROS	72.0	327	Pg	6:30:50.24	0.98
			Sg	30:58.71	-0.62
BEHE	85.7	44	Sg	6:31:02.81	-0.85
PERS	105.4	319	Pg	6:30:55.56	0.36
			Sg	31:08.05	-1.85
SOKA	113.1	319	Pg	6:30:56.92	0.34
			Sg	31:10.52	-1.85
OBKA	130.3	300	Sn	6:31:15.73	-0.64
KOVH	163.4	83	Sn	6:31:23.55	-0.16

400.

2020-04-20 time: 9:03:59.83 UTC ML= 1.5  
 lat: 47.339N lon: 18.428E h= 0.0 km  
 erh= 1.0km erz= 4.2km  
 nr= 10 gap=113 rms=0.30  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.6	335	PgU	9:04:00.96	-0.04
			Sg	04:01.34	-0.57
CSKK	12.9	282	PgU	9:04:02.35	0.21
			Sg	04:03.76	-0.18
PKST	31.0	253	Pg	9:04:05.45	0.08

			Sg	04:09.87	0.17
MORH	125.9	172	Sg	9:04:39.44	-0.41
PKSM	126.3	173	Sg	9:04:39.75	-0.23
PSZ	127.7	60	Sg	9:04:40.86	0.44
KOVH	141.2	190	Sn	9:04:45.01	1.32

401.

2020-04-20 time: 9:09:01.95 UTC ML= 1.8  
 lat: 47.841N lon: 19.153E h= 0.0 km  
 erh= 4.5km erz= 589km  
 nr= 6 gap=294 rms=0.34  
 Locality: Ósagárd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	11.2	120	Pg	9:09:03.93	-0.01
			Sg	09:05.07	-0.42
PSZ	56.1	81	Pg	9:09:12.53	0.56
			Sg	09:19.91	0.13
KECS	122.1	54	Pg	9:09:23.42	-0.34
			Sg	09:40.62	-0.15

402.

2020-04-20 time: 9:16:23.98 UTC ML= 1.5  
 lat: 47.081N lon: 18.045E h= 0.0 km  
 erh= 1.5km erz= 554km  
 nr= 9 gap=117 rms=0.41  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.8	358	Pg	9:16:27.23	-0.29
			Sg	16:29.62	-0.66
CSKK	35.4	27	Sg	9:16:35.48	0.25
MPLH	39.6	285	Pg	9:16:31.45	0.40
			Sg	16:36.60	0.03
PKSG	43.4	37	Sg	9:16:38.17	0.40
MORH	106.5	154	Sg	9:16:58.37	0.53
PKSM	106.8	155	Sg	9:16:57.76	-0.18
KOVH	110.4	178	Sg	9:16:58.37	-0.70

403.

2020-04-20 time: 9:18:05.62 UTC ML= 1.8  
 lat: 47.300N lon: 18.428E h= 0.0 km  
 erh= 1.6km erz= 588km  
 nr= 10 gap=114 rms=0.46  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.6	344	PgU	9:18:07.39	-0.13
			Sg	18:08.13	-0.87
CSKK	14.5	299	Pg	9:18:08.64	0.42
			Sg	18:10.47	0.23
PKST	30.2	261	Pg	9:18:11.11	0.10
			Sg	18:15.26	0.05
MPLH	68.8	258	Sg	9:18:24.72	-2.78
MORH	121.6	172	Sg	9:18:44.21	-0.06
PKSM	122.0	172	Sg	9:18:44.37	-0.04
PSZ	129.9	58	Sg	9:18:47.27	0.35

404.

2020-04-20 time: 12:19:59.21 UTC ML= 1.5  
 lat: 47.087N lon: 17.988E h= 0.0 km  
 erh= 1.6km erz= 3.7km  
 nr= 19 gap= 95 rms=0.78  
 Locality: Litér  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKST	19.4	10	Pg	12:20:02.69	0.01
			Sg	20:05.44	0.06
TIH	22.0	199	Sg	12:20:05.03	-1.19
MPLH	35.2	285	Pg	12:20:06.31	0.80
			Sg	20:10.15	-0.26
CSKK	37.0	34	Pg	12:20:06.56	0.74
			Sg	20:11.09	0.12
PKSG	45.6	42	Pg	12:20:07.37	0.02
			Sg	20:14.14	0.44
MORH	109.1	153	Pg	12:20:19.40	0.70
			Sg	20:33.50	-0.41
PKSM	109.4	153	Pg	12:20:19.25	0.49
			Sg	20:33.34	-0.66
KOVH	111.4	176	Pg	12:20:19.82	0.71
			Sg	20:33.25	-1.37
PENC	125.1	51	Sg	12:20:37.36	-1.60
MODS	152.6	340	ePn	12:20:23.50	-1.78
			eSn	20:43.60	-2.01
PSZ	170.8	57	Sn	12:20:48.47	-1.17

405.

2020-04-21 time: 7:34:54.83 UTC ML= 1.5  
 lat: 48.066N lon: 20.685E h= 0.0 km  
 erh= 4.1km erz= 821km  
 nr= 5 gap=196 rms=0.37  
 Locality: Bükkzentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.5	58	Pg	7:35:03.90	0.41
			Sg	35:09.50	-0.75
KECS	48.7	342	Pg	7:35:03.66	0.14
			Sg	35:10.11	-0.19
PSZ	61.3	254	Sg	7:35:14.03	-0.28

406.

2020-04-21 time: 10:19:31.47 UTC ML= 1.2  
 lat: 46.119N lon: 18.038E h= 0.0 km  
 erh= 0.8km erz= 181km  
 nr= 10 gap=233 rms=0.14  
 Locality: Bükkösd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.9	125	Pg	10:19:32.39	-0.13
			Sg	19:33.46	0.13
PKSV	30.5	147	Pg	10:19:36.97	0.06
			Sg	19:41.24	0.08
PKSM	47.8	77	Pg	10:19:39.66	-0.34
			Sg	19:46.64	-0.01
MORH	48.1	77	Pg	10:19:40.07	0.02
			Sg	19:46.84	0.09
PKS9	55.3	20	Pg	10:19:41.50	0.16
			Sg	19:49.03	-0.01

407.

2020-04-22 time: 6:01:18.54 UTC ML= 0.9  
 lat: 47.355N lon: 17.635E h= 0.0 km  
 erh= 3.7km erz= 5.0km  
 nr= 6 gap=175 rms=0.77  
 Locality: Csót  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	21.8	199	Pg	6:01:22.95	0.51
			Sg	01:25.44	-0.04
PKST	32.1	110	Pg	6:01:25.08	0.81
			Sg	01:28.39	-0.35
SOP	88.9	294	Sg	6:01:45.62	-1.18
MORH	148.3	149	Sn	6:02:02.72	-1.25

## Földrengés paraméterek

408.

2020-04-22 time: 7:55:57.91 UTC ML= 1.6  
 lat: 47.323N lon: 18.447E h= 0.0 km  
 erh= 1.4km erz= 3.5km  
 nr= 11 gap=114 rms=0.50  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.8	331	PgU	7:55:59.54	0.07
			Sg	56:00.04	-0.66
CSKK	14.8	288	Pg	7:56:00.81	0.26
			Sg	56:02.30	-0.32
PKST	32.0	257	Pg	7:56:04.03	0.40
			Sg	56:07.34	-0.75
MORH	124.0	173	Sg	7:56:37.75	0.43
PKSM	124.4	173	Sg	7:56:37.39	-0.07
PSZ	127.3	59	Pg	7:56:21.31	0.66
			Sg	56:37.75	-0.64
KOVH	139.8	191	Sn	7:56:40.39	-1.07

409.

2020-04-22 time: 9:53:58.65 UTC ML= 0.6  
 lat: 47.218N lon: 18.287E h= 0.0 km  
 erh= 1.7km erz= 220km  
 nr= 6 gap=261 rms=0.13  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.2	353	Pg	9:54:01.51	-0.03
			Sg	54:03.93	0.13
PKST	19.6	283	Pg	9:54:02.07	-0.08
			Sg	54:04.91	0.02
PKSG	20.8	22	Pg	9:54:02.51	0.15
			Sg	54:04.95	-0.31

410.

2020-04-22 time: 9:55:22.78 UTC ML= 0.8  
 lat: 47.211N lon: 18.283E h= 0.0 km  
 erh= 3.3km erz= 344km  
 nr= 5 gap=264 rms=0.17  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.0	354	Pg	9:55:25.79	-0.03
			Sg	55:27.78	-0.41
PKST	19.6	286	Pg	9:55:26.30	0.02
			Sg	55:29.10	0.09
PKSG	21.7	22	Sg	9:55:29.94	0.26

411.

2020-04-22 time: 13:13:10.19 UTC ML= 1.7  
 lat: 47.834N lon: 20.136E h= 0.0 km  
 erh= 3.4km erz= 573km  
 nr= 6 gap=208 rms=0.35  
 Locality: Kisnána  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.3	297	Pg	13:13:14.08	0.26
			Sg	13:17.05	0.40
PENC	64.1	266	Sg	13:13:30.11	-0.47
KECS	76.7	20	Sg	13:13:34.35	-0.23
ABAH	97.0	58	Pg	13:13:27.67	0.16
			Sg	13:40.39	-0.63



## Földrengés paraméterek

## Hypocenter Parameters

412.

2020-04-23 time: 6:09:39.99 UTC ML= 0.8  
 lat: 47.158N lon: 18.202E h= 0.0 km  
 erh= 1.0km erz= 259km  
 nr= 7 gap=149 rms=0.17  
 Locality: Ősi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	17.0	311	Pg	6:09:43.18			0.16
			Sg	09:45.26			-0.12
CSKK	23.2	11	Pg	6:09:43.90			-0.24
			Sg	09:47.43			0.06
PKSG	29.6	29	Pg	6:09:45.49			0.21
			Sg	09:49.33			-0.08
PKSM	110.4	162	Sg	6:10:14.93			-0.15

413.

2020-04-23 time: 6:19:02.65 UTC ML= 1.1  
 lat: 47.195N lon: 18.211E h= 0.0 km  
 erh= 1.0km erz= 254km  
 nr= 8 gap=152 rms=0.18  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	15.2	298	Pg	6:19:05.45			0.09
			Sg	19:07.17			-0.30
CSKK	19.0	11	Pg	6:19:06.13			0.08
			Sg	19:08.41			-0.29
MORH	113.8	163	Pg	6:19:23.16			0.19
			Sg	19:38.58			-0.24
PKSM	114.2	163	Pg	6:19:23.16			0.13
			Sg	19:38.73			-0.21

414.

2020-04-23 time: 7:02:57.64 UTC ML= 1.8  
 lat: 48.313N lon: 21.520E h= 0.0 km  
 erh= 3.6km erz= 8.1km  
 nr= 10 gap=114 rms=0.85  
 Locality: Herceghút  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	20.9	265	Pg	7:03:02.23			0.87
			Sg	03:05.08			0.81
TRPA	78.4	105	Pg	7:03:12.56			0.91
			Sg	03:21.59			-0.98
KECS	78.9	284	Pg	7:03:10.99			-0.73
			Sg	03:21.06			-1.64
STHS	124.4	351	Pg	7:03:20.34			0.49
			Sg	03:36.64			-0.54
PSZ	128.7	250	Sg	7:03:37.76			-0.79
DRGR	191.5	152	Sn	7:03:52.21			-0.44

415.

2020-04-23 time: 8:49:35.38 UTC ML= 1.5  
 lat: 48.565N lon: 20.798E h= 0.0 km  
 erh= 3.3km erz= 965km  
 nr= 8 gap=113 rms=0.69  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.8	248	Pg	8:49:39.53			-0.28
			Sg	49:42.73			-0.53
ABAH	44.3	132	Pg	8:49:43.33			0.03
			Sg	49:49.80			0.33
PSZ	98.3	223	Pg	8:49:53.30			0.36
			Sg	50:06.17			-0.47

STHS 100.2 19 Pg 8:49:52.30 -0.97  
 NIE 101.4 340 Pg 8:49:54.87 1.39

416.

2020-04-23 time: 10:31:09.08 UTC ML= 1.4  
 lat: 48.468N lon: 19.598E h= 0.0 km  
 erh= 3.8km erz= 665km  
 nr= 6 gap=226 rms=0.39  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	65.0	160	Pg	10:31:20.91			0.23
			Sg	31:29.16			-0.58
KECS	65.7	89	Pg	10:31:21.01			0.21
			Sg	31:30.15			0.21
NIE	118.0	26	Pg	10:31:30.17			0.03
			Sg	31:45.34			-1.24

417.

2020-04-23 time: 22:48:17.17 UTC ML= 0.3  
 lat: 47.902N lon: 16.246E h= 10.0 km  
 erh= 0.9km erz= 1.8km  
 nr= 5 gap=208 rms=0.59  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	22.9	170	Pg	22:48:22.23			0.61
			Sg	48:25.19			0.10
CONA	28.9	276	Pg	22:48:22.78			0.16
			Sg	48:26.25			-0.62
EGYH	97.8	123	Sg	22:48:47.19			-1.23

418.

2020-04-23 time: 23:18:26.74 UTC ML= 3.7  
 lat: 48.759N lon: 21.851E h= 5.6 km  
 erh= 1.3km erz= 1.2km  
 nr= 35 gap= 84 rms=0.52  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ABAH	68.5	221	PgU	23:18:40.02			1.01
			Sg	18:47.32			-1.26
STHS	85.5	329	PgU	23:18:41.46			-0.59
TRPA	86.5	144	PgU	23:18:41.79			-0.43
			Sg	18:53.34			-0.95
ID53	86.6	177	Pg	23:18:43.12			0.88
KJX	101.0	253	Pg	23:18:44.69			-0.12
KECS	105.2	253	PgU	23:18:45.85			0.29
KWP	115.4	33	PgU	23:18:47.42			0.04
			Sg	19:00.30			-3.17*
ID58	121.0	234	PnU	23:18:47.83			-0.32
CEI	127.7	159	PnC	23:18:48.87			-0.11
			Sn	19:06.00			-0.33
NIE	134.2	303	Pn	23:18:49.69			-0.10
LTVH	152.8	179	PnU	23:18:52.12			0.00
BMR	171.9	135	PnC	23:18:54.98			0.48
			Sn	19:16.60			0.45
PSZ	172.5	237	PnU	23:18:54.55			-0.03
LANS	179.9	284	PnU	23:18:56.46			0.97
BORR	185.6	181	PnC	23:18:56.30			0.09
ID59	192.1	240	Pn	23:18:57.11			0.09
MESR	196.8	155	PnC	23:18:57.45			-0.16
			Sn	19:21.80			0.12
BSZH	200.7	216	PnU	23:18:57.78			-0.31
ID70	212.1	194	Pn	23:18:59.71			0.19
PENC	219.0	241	PnU	23:19:00.48			0.11
OJC	220.2	318	PnU	23:19:00.24			-0.29
DRGR	228.0	164	PnU	23:19:01.33			-0.17
			Sn	19:27.86			-0.75

Hypocenter Parameters

Földrengés paraméterek

ID66	233.4	244	PnU	23:19:02.39	0.22
MARR	250.4	158	PnC	23:19:04.34	0.06
BUD	253.8	236	Pn	23:19:03.68	-1.03
CJR	262.5	150	PnD	23:19:06.61	0.81
BURA	280.8	117	PnC	23:19:08.81	0.73
SRO	282.8	248	Pn	23:19:08.60	0.27
PKS6	295.1	216	Pn	23:19:09.57	-0.29
PKSG	299.3	239	Pn	23:19:11.40	1.01*
CSKK	309.3	240	Pn	23:19:12.47	0.83*
PKB3	327.6	218	Pn	23:19:13.70	-0.21*
DEV	329.5	166	PnC	23:19:14.57	0.42*
PKST	330.0	240	Pn	23:19:14.22	0.01*
MORC	333.4	290	Pn	23:19:14.29	-0.34*
MODS	340.2	263	ePn	23:19:15.40	-0.09*
			eSn	19:55.00	1.49*
MDB	348.0	147	PnD	23:19:17.38	0.93*
BZS	349.8	183	Pn	23:19:16.28	-0.40*
			Sn	19:54.34	-1.29*
PKS9	360.9	228	Pn	23:19:29.49	11.42*
MPLH	367.2	241	Pn	23:19:19.21	0.35*
EGYH	368.2	246	Pn	23:19:19.49	0.51*
MORH	371.9	221	Pn	23:19:18.59	-0.85*
GZR	380.7	169	PnD	23:19:21.09	0.55*
VRAC	389.3	279	Pn	23:19:21.21	-0.39*
LOT	395.9	158	PnC	23:19:23.16	0.73*
KRLC	395.9	292	Pn	23:19:21.92	-0.51*
KRUC	401.3	275	Pn	23:19:22.54	-0.57*
			Sn	20:06.40	-0.67*
KOVH	410.2	224	Pn	23:19:23.61	-0.60*
SOP	411.0	253	Pn	23:19:23.86	-0.46*
PKSV	419.3	220	Pn	23:19:24.98	-0.37*
OZUR	419.4	135	PnC	23:19:26.01	0.66*
RONA	429.1	254	Pn	23:19:26.81	0.23*
FRGS	431.7	201	Pn	23:19:27.03	0.13*
ARR	432.3	151	PnD	23:19:27.52	0.56*
HERR	433.2	174	PnC	23:19:27.73	0.64*
DPC	437.4	294	ePn	23:19:27.90	0.29*
TESR	438.7	125	PnD	23:19:28.97	1.20*
VOIR	442.0	147	PnC	23:19:29.36	1.18*
BEO	450.5	194	Pn	23:19:29.49	0.25*
CONA	453.5	258	Pn	23:19:29.63	0.02*
			Sn	20:19.16	0.52*
BEHE	458.6	236	Pn	23:19:30.14	-0.11*
UPC	464.5	295	ePn	23:19:31.00	0.02*
TREC	469.2	277	eSn	23:20:21.00	-1.13*
MLR	478.0	139	Pn	23:19:33.73	1.06*
PLOR	486.0	132	PnD	23:19:33.82	0.15*
VR1	489.3	131	Pn	23:19:34.28	0.21*
ARSA	501.1	250	Pn	23:19:35.64	0.10*
NEHR	501.1	138	PnC	23:19:36.53	0.99*
GHRR	515.7	126	PnC	23:19:38.04	0.67*
GRER	540.9	134	PnC	23:19:41.96	1.45*
GROS	541.4	242	Pn	23:19:40.47	-0.11*
PRU	548.1	284	ePn	23:19:39.90	-1.51*
PERS	557.9	245	Pn	23:19:43.02	0.39*
SOKA	561.5	246	Pn	23:19:43.71	0.64*
ZVC	564.4	278	ePn	23:19:42.90	-0.54*
BLY	570.8	219	PnC	23:19:42.89	-1.35*
MOA	571.7	260	Pn	23:19:44.49	0.14*
BBLS	575.2	199	Pn	23:19:45.08	0.29*
KHC	607.4	274	ePn	23:19:47.70	-1.10*
			eSn	20:52.10	-0.71*
BIOA	621.6	259	Pn	23:19:52.15	1.57*
CFR	622.3	130	PnC	23:19:51.22	0.56*
MYKA	660.1	249	Pn	23:20:20.62	25.24*
KBA	662.7	254	Pn	23:19:55.59	-0.10*
WTTA	780.0	258	Pn	23:20:09.18	-1.15*
DAVA	907.8	260	Pn	23:20:26.62	0.36*

419.

2020-04-24 time: 8:07:05.92 UTC ML= 1.5  
 lat: 48.591N lon: 20.730E h= 0.0 km  
 erh= 2.2km erz= 691km  
 nr= 9 gap=109 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	21.7	236	Pg	8:07:10.35			0.55
			Sg		07:13.05		0.22
ABAH	50.0	131	Pg	8:07:14.73			-0.11
			Sg		07:21.30		-0.50
PSZ	97.3	220	Pg	8:07:23.64			0.35
			Sg		07:35.70		-1.13
STHS	99.2	22	Pg	8:07:23.84			0.21
LANS	111.6	304	Pg	8:07:25.77			-0.07
			Sg		07:39.41		-1.97

420.

2020-04-24 time: 8:11:51.23 UTC ML= 1.2  
 lat: 47.204N lon: 18.297E h= 0.0 km  
 erh= 1.5km erz= 2.6km  
 nr= 12 gap=121 rms=0.43  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	17.9	351	Pg	8:11:54.69			0.25
			Sg		11:56.63		-0.30
PKST	20.8	287	Pg	8:11:54.92			-0.02
			Sg		11:57.54		-0.30
PKSG	22.1	19	Pg	8:11:55.38			0.20
			Sg		11:58.43		0.17
MORH	113.0	166	Pg	8:12:12.12			0.71
			Sg		12:26.42		-0.72
PKSM	113.4	167	Pg	8:12:11.87			0.39
			Sg		12:26.42		-0.85
PSZ	144.1	57	Pn	8:12:15.74			-0.50
			Sn		12:35.28		-0.46

421.

2020-04-24 time: 9:05:04.57 UTC ML= 2.1  
 lat: 48.229N lon: 21.260E h= 0.0 km  
 erh= 2.4km erz= 2.5km  
 nr= 13 gap=155 rms=0.57  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	7.7	348	Pg	9:05:06.07			0.13
			Sg		05:07.24		0.24
KECS	64.0	296	Pg	9:05:15.90			-0.10
			Sg		05:23.84		-1.08
TRPA	95.7	97	Pg	9:05:21.59			-0.07
			Sg		05:34.47		-0.53
PSZ	107.5	251	Pg	9:05:24.08			0.32
			Sg		05:37.47		-1.26
STHS	132.1	359	ePn	9:05:27.90			-0.18
NIE	149.5	332	Pn	9:05:30.71			0.46
			Sn		05:49.34		-0.94
LANS	167.1	308	Pn	9:05:33.56			1.12
			Sn		05:54.12		-0.06

## Földrengés paraméterek

## Hypocenter Parameters

422.  


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 2020-04-24 time: 22:14:36.51 UTC ML= 1.9  
 lat: 45.912N lon: 16.014E h= 5.3 km  
 erh= 1.7km erz= 2.8km  
 nr= 13 gap=173 rms=0.41  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.6	253	Pg	22:14:37.84	0.08
			Sg	14:38.71	-0.02
ZAG	9.4	190	Pg	22:14:38.59	0.16
			Sg	14:39.31	-0.62
GCIS	30.4	261	iPg	22:14:42.15	0.12
GOLS	32.1	290	iSg	22:14:47.41	0.54
CESS	43.3	279	iSg	22:14:50.67	0.30
KOGS	62.3	17	Pg	22:14:48.11	0.43
			Sg	14:56.17	-0.21
GROS	72.7	327	Pg	22:14:49.66	0.13
			Sg	14:58.59	-1.09
PERS	106.1	319	Pg	22:14:55.12	-0.36
			Sg	15:08.02	-2.26*

423.  


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 2020-04-25 time: 0:07:02.53 UTC ML= 2.5  
 lat: 46.712N lon: 22.052E h= 10.0 km  
 erh= 1.9km erz= 2.0km  
 nr= 71 gap= 33 rms=1.25  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BORR	46.7	334	PgC	0:07:12.38	1.33
			Sg	07:18.20	0.50
DRGR	51.1	80	Pg	0:07:11.86	0.03
			Sg	07:17.66	-1.42
LTVH	75.6	351	Pg	0:07:15.23	-0.92
			Sg	07:25.92	-0.86
MARR	81.7	93	PgC	0:07:16.68	-0.54
			Sg	07:25.60	-3.08
MESR	83.9	55	PgC	0:07:17.51	-0.10
			Sg	07:27.60	-1.77
CEI	112.4	16	PnD	0:07:23.04	0.74
			Sn	07:37.50	-0.23
DEV	113.1	145	PnD	0:07:21.66	-0.72
			Sn	07:34.60	-3.27
CJR	118.2	90	PnD	0:07:22.82	-0.20
			Sn	07:36.10	-2.91
TIM	126.0	211	PnC	0:07:25.06	1.07
			Sn	07:40.40	-0.34
BZS	126.4	195	Pn	0:07:23.53	-0.51
			Sn	07:37.95	-2.87
BMR	152.9	46	PnD	0:07:29.25	1.90
GZR	157.0	159	PnD	0:07:28.95	1.10
TRPA	161.9	13	Pn	0:07:28.64	0.17
BANR	164.0	206	Pn	0:07:50.50	1.34
			Sn	0:07:30.03	0.79
PKSN	168.1	277	Pn	0:07:30.03	0.79
			Sn	07:49.88	-0.19
ABAH	186.4	341	Pn	0:07:32.30	0.77
			Sn	07:54.00	-0.15
MDB	189.9	110	PnC	0:07:33.75	1.79
			Sn	07:56.60	1.69
PKS6	190.8	266	Pn	0:07:32.27	0.19
			Sn	07:54.55	-0.58
LOT	193.4	137	PnC	0:07:34.50	2.10
			Sn	07:56.70	1.01
HERR	205.5	172	PnD	0:07:35.90	1.99
			Sn	08:00.60	2.22
TNR	208.1	125	Sn	0:07:59.70	0.75
PSZ	211.2	309	Pn	0:07:35.02	0.41
			Sn	07:57.43	-2.21
PKB2	215.0	269	Pn	0:07:35.13	0.04
			Sn	07:59.57	-0.93

PKS2	218.9	264	Pn	0:07:35.53	-0.05
			Sn	08:00.75	-0.61
PKB3	221.4	262	Pn	0:07:35.68	-0.21
			Sn	08:00.60	-1.32
PKS7	223.5	280	Sn	0:08:00.75	-1.64
KECS	229.5	329	Pn	0:07:37.91	1.02
			Sn	08:02.84	-0.86
PENC	241.6	300	Pn	0:07:42.88	4.47
			Sn	08:05.47	-0.92
SRE	244.9	158	PnC	0:07:40.60	1.78
			Sn	08:09.60	2.47
FRGS	246.9	225	Sn	0:08:05.43	-2.15
ARR	249.5	127	Sn	0:08:09.60	1.44
PKB5	254.2	267	Sn	0:08:08.69	-0.51
BURA	260.1	67	PnC	0:07:42.34	1.63
			Sn	08:12.10	1.60
PKB4	265.3	265	Pn	0:07:41.45	0.09
			Sn	08:09.78	-1.88
MORH	267.6	258	Pn	0:07:41.26	-0.38
			Sn	08:08.81	-3.35
PKSM	267.9	258	Pn	0:07:41.48	-0.20
			Sn	08:09.46	-2.77
DOPR	269.9	108	PnD	0:07:42.90	0.97
			Sn	08:14.00	1.33
VOIR	271.8	121	PnD	0:07:43.98	1.81
PKSG	288.3	285	Pn	0:07:44.62	0.39
PKS9	289.2	267	Pn	0:07:44.58	0.24
			Sn	08:15.81	-1.15
OZUR	295.2	103	PnD	0:07:46.49	1.40
CSKK	297.1	284	Pn	0:07:45.77	0.44
STHS	306.7	349	ePn	0:07:56.50	9.98*
STHS	306.7	349	ePn	0:07:15.60	-30.92*
PKSV	306.8	253	Pn	0:07:45.86	-0.67*
PKST	311.7	281	Pn	0:07:47.62	0.48*
			Sn	08:20.03	-1.92*
KOVH	311.8	257	Pn	0:07:46.48	-0.68*
MLR	330.2	114	PnD	0:07:51.05	1.59*
MPLH	347.4	278	Pn	0:07:52.13	0.53*
EGYH	367.1	282	Pn	0:07:54.85	0.80*
MORC	477.8	315	Sn	0:08:57.74	-1.08*
CONA	487.2	286	Sn	0:08:59.45	-1.45*

424.  


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 2020-04-25 time: 0:08:29.33 UTC ML= 1.9  
 lat: 46.630N lon: 22.074E h= 1.9 km  
 erh= 4.9km erz= 8.0km  
 nr= 9 gap=128 rms=1.00  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	51.9	70	Pg	0:08:39.02	0.42
			Sg	08:44.82	-1.02
LTVH	85.0	351	Pg	0:08:44.92	0.41
			Sg	08:54.59	-1.77
BZS	118.0	197	Pg	0:08:51.13	0.73
			Sg	09:05.48	-1.36
TRPA	170.5	12	Pn	0:08:59.17	1.80
ABAH	195.7	341	Pn	0:08:59.88	-0.63
PSZ	218.5	311	Pn	0:09:02.58	-0.78

425.  


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 2020-04-25 time: 0:15:35.62 UTC ML= 1.6  
 lat: 46.662N lon: 22.184E h= 10.0 km  
 erh= 3.4km erz= 3.7km  
 nr= 21 gap=112 rms=1.23  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	42.8	70	Pg	0:15:43.95	0.49
			Sg	15:49.86	0.28
BORR	56.5	327	PgC	0:15:46.03	0.18

## Hypocenter Parameters

## Földrengés paraméterek

MARR	71.5	89	Sg	15:53.50	-0.34
			PgD	0:15:49.13	0.61
			Sg	15:57.90	-0.68
MESR	79.6	47	PgC	0:15:50.06	0.12
			Sg	16:00.00	-1.12
LTVH	83.2	345	Sg	0:16:00.08	-2.17
DEV	102.8	147	PgD	0:15:54.21	0.15
			Sg	16:07.10	-1.35
CJR	108.3	87	PnC	0:15:55.60	0.72
			Sn	16:08.80	-1.10
BZS	124.2	201	Pn	0:15:56.17	-0.69
			Sn	16:10.36	-3.07
TIM	126.9	216	Sn	0:16:12.30	-1.73
GZR	148.3	162	PnC	0:16:01.21	1.35
			Sn	16:19.60	0.82
ABAH	195.1	339	Pn	0:16:08.71	3.01
HERR	198.8	175	PnC	0:16:08.72	2.56
			Sn	16:32.50	2.52

426.

2020-04-25 time: 1:02:48.91 UTC ML= 1.1  
 lat: 46.632N lon: 22.178E h= 10.0 km  
 erh= 6.4km erz= 7.6km  
 nr= 11 gap= 96 rms=0.95  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	44.4	66	Pg	1:02:57.44	0.40
			Sg	03:03.24	-0.14
MARR	72.2	86	PgD	1:03:02.53	0.62
			Sg	03:11.20	-0.86
MESR	82.2	46	Sg	1:03:13.50	-1.74
BZS	120.9	201	Pn	1:03:09.86	0.12
			Sn	03:24.01	-1.98
GZR	145.3	161	PnC	1:03:13.98	1.20
			Sn	03:32.20	0.81
BSZH	163.3	297	Sn	1:03:34.44	-0.95
ABAH	198.1	339	Sn	1:03:44.47	1.36

427.

2020-04-25 time: 11:04:24.54 UTC ML= 1.4  
 lat: 48.618N lon: 20.809E h= 0.0 km  
 erh= 3.0km erz= 669km  
 nr= 6 gap=160 rms=0.39  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.2	238	Pg	11:04:29.81	0.24
			Sg	04:32.61	-0.88
ABAH	47.9	138	Pg	11:04:33.27	0.17
			Sg	04:39.33	-0.44
NIE	96.2	338	Pg	11:04:41.42	-0.29
LANS	114.8	301	Pg	11:04:45.49	0.45

428.

2020-04-25 time: 20:43:06.45 UTC ML= 2.0  
 lat: 45.872N lon: 16.021E h= 8.1 km  
 erh= 1.5km erz= 1.0km  
 nr= 53 gap= 60 rms=0.71  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	5.2	204	PgU	20:43:08.69	0.51
			Sg	43:09.65	0.12
PTJ	5.8	302	Pg	20:43:08.60	0.36
			Sg	43:10.03	0.40
GCIS	30.6	269	iPgD	20:43:12.43	0.33
			iSg	43:16.62	0.11
GOLS	34.4	297	iPgD	20:43:13.14	0.37

			iSg	43:17.70	0.01
CRES	44.1	263	Pg	20:43:14.50	0.03
			Sg	43:20.88	0.16
CESS	44.7	285	iPg	20:43:15.43	0.86
			iSg	43:21.25	0.35
DOBS	52.7	306	iPgD	20:43:16.36	0.38
			iSg	43:23.37	-0.04
LEGS	55.2	279	iPgD	20:43:16.58	0.15
			iSg	43:23.74	-0.46
KOGS	66.4	15	Sg	20:43:27.16	-0.57
BOJS	72.5	236	iPg	20:43:18.87	-0.62
			iSg	43:28.03	-1.63
GROS	76.8	328	Pg	20:43:20.21	-0.03
			Sg	43:29.02	-1.97
PDKS	82.1	285	iPgD	20:43:21.09	-0.09
			iSg	43:32.50	-0.16
VISS	92.1	265	iPg	20:43:22.32	-0.65
			eSg	43:35.61	-0.24
ZAVS	99.1	309	iPg	20:43:24.18	-0.04
			iSg	43:35.70	-2.37
GBRS	101.7	248	iPg	20:43:23.91	-0.75
PERS	109.9	321	Pg	20:43:25.61	-0.52
			Sg	43:39.10	-2.37
SOKA	117.6	320	Pn	20:43:26.68	-0.43
			Sn	43:40.93	-2.29
GBAS	122.7	273	iPn	20:43:27.39	-0.36
MOZS	130.8	291	iPn	20:43:28.97	0.22
			eSn	43:45.89	-0.25
KNDS	133.4	253	iPn	20:43:29.42	0.34
			eSn	43:46.23	-0.49
OBKA	133.9	302	Pn	20:43:29.69	0.55
			Sn	43:46.96	0.12
CRNS	138.3	280	iPn	20:43:30.06	0.37
JAVS	151.9	271	iPn	20:43:32.30	0.91
BLY	154.6	144	Pn	20:43:32.16	0.44
			Sn	43:50.03	-1.40
ARSA	157.9	346	Pn	20:43:31.96	-0.17
			Sn	43:52.92	0.75
SKDS	160.4	257	iPn	20:43:33.41	0.96
GORS	164.0	288	iPn	20:43:34.22	1.33
VOJS	166.4	276	iPn	20:43:34.47	1.28
PKSV	173.2	89	Pn	20:43:33.22	-0.82
RONA	204.2	6	Pn	20:43:39.26	1.35
PKSM	206.3	79	Pn	20:43:36.74	-1.43
PKB5	224.3	69	Pn	20:43:42.70	2.29
MOA	257.4	329	Sn	20:44:13.35	-0.89

429.

2020-04-25 time: 22:37:45.31 UTC ML= 1.8  
 lat: 47.313N lon: 21.540E h= 15.4 km  
 erh= 1.7km erz= 1.5km  
 nr= 25 gap= 41 rms=0.68  
 Locality: Tépé  
 Comments:

sta	dist	azm	phase	hr mn sec	res
LTVH	28.4	74	Pg	22:37:51.44	0.37
			Sg	37:56.26	0.70
BORR	31.0	143	PgD	22:37:51.31	-0.17
			Sg	37:56.60	0.30
ID70	53.6	213	Pg	22:37:54.72	-0.54
			Sg	38:01.80	-1.22
ID53	79.4	21	P*	22:37:59.79	0.10
BSZH	96.3	269	P*	22:38:02.52	0.26
			S*	38:15.99	0.50
ID52	99.7	228	S*	22:38:17.24	0.84
DRGR	106.2	123	Pn	22:38:02.96	-0.66
ABAH	111.6	348	Pn	22:38:04.00	-0.29
			Sn	38:18.37	-0.72
TRPA	117.8	40	Pn	22:38:03.62	-1.44
ID58	117.9	320	Sn	22:38:19.53	-0.96
MARR	139.4	121	PnD	22:38:08.94	1.18
			Sn	38:25.70	0.43
PSZ	140.8	299	Pn	22:38:08.28	0.34

**Földrengés paraméterek**

**Hypocenter Parameters**

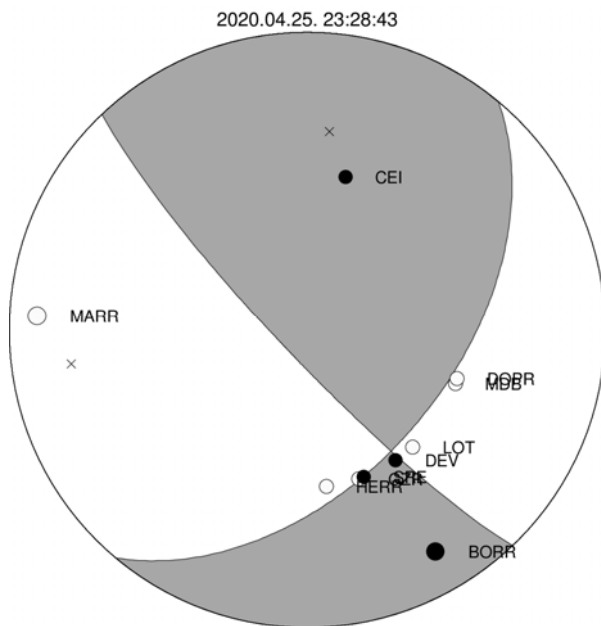
		Sn	38:25.87	0.28	
KJX	151.3	330	Pn	22:38:09.62	0.38
KECS	152.1	329	eSn	22:38:29.10	1.01
PKS6	170.0	242	Sn	22:38:36.56	4.49*
CJR	170.1	113	PnC	22:38:12.47	0.89
BZS	188.7	178	Pn	22:38:14.23	0.33
			Sn	38:34.89	-1.32
GZR	233.7	156	Sn	22:38:46.30	0.11

Sn 29:59.54 -3.20\*

430.

2020-04-25 time: 23:28:43.11 UTC ML= 2.2  
 lat: 46.714N lon: 22.109E h= 13.1 km  
 erh= 2.4km erz= 2.2km  
 nr= 55 gap= 39 rms=1.40  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	46.8	79	Pg	23:28:51.54	-0.26
			Sg	28:57.36	-1.21
BORR	48.6	330	PgC	23:28:53.24	1.15
			Sg	29:00.00	0.90
ID70	75.9	287	Pg	23:28:57.95	1.08
			Sg	29:08.90	1.30
LTVH	76.3	348	Pg	23:28:57.43	0.50
			Sg	29:05.93	-1.78
MARR	77.4	93	PgD	23:28:56.69	-0.43
			Sg	29:05.50	-2.56
MESR	80.3	53	Sg	23:29:08.20	-0.78
DEV	110.7	146	PnC	23:29:01.66	-0.61
			Sn	29:14.30	-2.92
CEI	111.2	14	PnC	23:29:04.01	1.68
			Sn	29:18.00	0.68
CJR	113.9	90	Sn	23:29:16.60	-1.31
ID52	117.8	270	Pn	23:29:03.63	0.49
BZS	127.7	197	Pn	23:29:03.31	-1.07
			Sn	29:17.92	-3.06
GZR	155.6	161	PnD	23:29:08.91	1.05
TRPA	160.8	12	Pn	23:29:08.63	0.12
MDB	185.8	110	PnD	23:29:13.78	2.15
			Sn	29:36.80	2.92
ABAH	187.7	340	Pn	23:29:12.36	0.49
LOT	190.5	138	PnD	23:29:14.60	2.38
			Sn	29:36.80	1.88
ID58	197.0	323	Pn	23:29:13.14	0.12
			Sn	29:34.37	-1.99
TNR	204.6	125	Sn	23:29:39.60	1.56
HERR	205.1	173	PnD	23:29:16.40	2.37
			Sn	29:40.40	2.25
PSZ	214.4	309	Pn	23:29:14.93	-0.26
			Sn	29:37.35	-2.87
PKB2	219.3	269	Pn	23:29:15.13	-0.68
			Sn	29:39.22	-2.10
PKS2	223.2	264	Pn	23:29:15.41	-0.88
			Sn	29:41.23	-0.95
PKB3	225.7	262	Pn	23:29:15.58	-1.02
			Sn	29:40.65	-2.08
PKS7	227.8	279	Sn	23:29:40.94	-2.25
KJX	230.6	329	Pn	23:29:17.91	0.69
			Sn	29:42.38	-1.45
SRE	243.5	159	PnC	23:29:20.17	1.35
			Sn	29:49.10	2.43
FRGS	250.1	225	Sn	23:29:45.94	-2.21
DOPR	265.8	108	PnD	23:29:23.69	2.09
VOIR	268.1	122	Sn	23:29:54.70	2.55
PKB4	269.6	265	Pn	23:29:21.79	-0.29
			Sn	29:49.94	-2.54
MORH	271.8	258	Pn	23:29:21.40	-0.95
			Sn	29:48.74	-4.23*
PKSM	272.1	258	Pn	23:29:21.02	-1.37
PKSG	292.4	285	Pn	23:29:24.39	-0.53
PKS9	293.5	267	Pn	23:29:24.46	-0.60
			Sn	29:55.60	-2.18*
PKST	315.8	281	Pn	23:29:27.63	-0.21*



431.

2020-04-26 time: 2:26:21.75 UTC ML= 1.1  
 lat: 46.629N lon: 22.198E h= 11.9 km  
 erh= 7.4km erz= 8.2km  
 nr= 8 gap=137 rms=0.82  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	43.2	65	Pg	2:26:30.14	0.38
			Sg	26:35.58	-0.42
MARR	70.7	86	PgC	2:26:34.50	-0.05
			Sg	26:44.10	-0.44
DEV	99.2	147	S*	2:26:55.90	2.63
BZS	121.2	202	Pn	2:26:42.20	-0.16
			Sn	26:56.96	-1.48
ABAH	198.9	339	Sn	2:27:16.40	0.70

432.

2020-04-26 time: 12:17:05.74 UTC ML= 1.7  
 lat: 47.992N lon: 16.854E h= 11.6 km  
 erh= 5.3km erz= 4.4km  
 nr= 10 gap=164 rms=0.77  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZST	29.3	39	Pg	12:17:11.62	0.25
			Sg	17:15.60	-0.16
RONA	52.9	232	Pg	12:17:15.35	-0.06
			Sg	17:21.74	-1.21
CONA	74.5	265	Pg	12:17:19.50	0.30
			Sg	17:29.07	-0.62
A337	75.1	68	Pg	12:17:20.22	0.91
			Sg	17:28.11	-1.78
KRUC	123.7	344	Pn	12:17:27.52	0.81
			Sn	17:41.81	-1.27

## Hypocenter Parameters

## Földrengés paraméterek

433.

2020-04-26 time: 16:45:38.39 UTC ML= 0.3  
 lat: 47.319N lon: 18.368E h= 9.2 km  
 erh= 9.0km erz= 8.2km  
 nr= 6 gap=243 rms=0.17  
 Locality: Zámoly  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	8.2	12	Pg	16:45:40.71	0.11
			Sg	45:42.27	-0.05
CSKK	9.4	301	Pg	16:45:40.76	0.01
			Sg	45:42.43	-0.16
PKST	26.1	255	Pg	16:45:43.17	-0.16
			Sg	45:47.67	0.49

434.

2020-04-26 time: 16:54:06.85 UTC ML= 0.2  
 lat: 47.290N lon: 18.360E h= 3.8 km  
 erh= 9.0km erz=26.5km  
 nr= 6 gap=251 rms=0.18  
 Locality: Magyaralmás  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	11.1	317	Pg	16:54:08.86	-0.08
			Sg	54:10.64	0.06
PKSG	11.6	12	Pg	16:54:08.99	-0.03
			Sg	54:10.74	0.02
PKST	24.9	262	Pg	16:54:11.58	0.23
			Sg	54:14.38	-0.48

435.

2020-04-27 time: 8:52:57.68 UTC ML= 1.6  
 lat: 45.525N lon: 18.132E h= 2.4 km  
 erh= 2.4km erz= 2.4km  
 nr= 10 gap=330 rms=0.25  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	41.5	13	Pg	8:53:05.24	0.13
			Sg	53:11.42	0.52
KOVH	62.7	358	Pg	8:53:08.58	-0.30
			Sg	53:17.45	-0.18
PKSM	86.0	27	Pg	8:53:13.07	0.02
			Sg	53:24.61	-0.43
MORH	86.5	27	Pg	8:53:13.05	-0.09
			Sg	53:25.21	0.02
PKB4	114.1	19	Pg	8:53:18.04	-0.01
PKB1	149.1	20	Pn	8:53:23.43	0.44

436.

2020-04-27 time: 9:05:21.76 UTC ML= 1.8  
 lat: 48.363N lon: 19.800E h= 0.0 km  
 erh= 5.5km erz= 664km  
 nr= 6 gap=263 rms=0.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	49.9	172	Pg	9:05:31.04	0.36
			Sg	05:37.19	-0.45
KECS	52.5	75	Pg	9:05:31.24	0.10
			Sg	05:39.27	0.82
ABAH	107.0	94	Pg	9:05:40.45	-0.43
			Sg	05:55.42	-0.36

437.

2020-04-27 time: 9:07:48.23 UTC ML= 2.0  
 lat: 47.931N lon: 20.044E h= 0.0 km  
 erh= 7.2km erz= \*\*\*km  
 nr= 7 gap=189 rms=0.70  
 Locality: Bodony  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	11.3	263	Pg	9:07:51.02	0.77
			Sg	07:52.28	0.46
PENC	59.2	255	Pg	9:07:58.67	-0.13
			Sg	08:05.62	-1.42
KECS	69.6	28	Sg	9:08:09.71	-0.64
ABAH	97.8	66	Pg	9:08:06.18	0.48
			Sg	08:18.42	-0.90

438.

2020-04-27 time: 9:14:25.03 UTC ML= 2.0  
 lat: 45.916N lon: 16.021E h= 3.4 km  
 erh= 2.2km erz= 2.6km  
 nr= 19 gap=176 rms=0.64  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.2	250	Pg	9:14:26.22	0.08
			Sg	14:26.96	-0.04
ZAG	9.9	192	Pg	9:14:26.34	-0.56
			Sg	14:28.08	-0.27
GCIS	31.0	260	iPg	9:14:31.02	0.42
GOLS	32.5	289	iPg	9:14:32.12	1.25
CRES	44.9	257	Pg	9:14:33.25	0.17
			Sg	14:38.75	-0.60
LEGS	54.7	274	iPg	9:14:35.30	0.49
			eSg	14:42.57	0.13
KOGS	61.8	17	Pg	9:14:36.71	0.63
			Sg	14:44.16	-0.54
GROS	72.7	327	Pg	9:14:38.34	0.32
			Sg	14:47.60	-0.55
PERS	106.1	319	Pg	9:14:42.83	-1.17
			Sg	14:57.54	-1.25
SOKA	113.9	318	Sg	9:15:00.73	-0.53
OBKA	131.4	300	Pn	9:14:48.62	0.60
			Sn	15:05.00	-0.94

439.

2020-04-27 time: 9:50:04.49 UTC ML= 1.9  
 lat: 46.836N lon: 17.349E h= 0.0 km  
 erh= 1.3km erz= 2.0km  
 nr= 28 gap=79 rms=0.70  
 Locality: Lesencefalu  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	39.9	21	Pg	9:50:11.41	-0.20
			Sg	50:15.59	-1.58
BEHE	59.8	227	Sg	9:50:19.80	-3.70*
EGYH	64.6	359	Sg	9:50:24.94	-0.10
CSKK	90.7	50	Sg	9:50:34.01	0.69
KOGS	94.5	243	Sg	9:50:34.31	-0.22
PKSG	100.4	52	Pg	9:50:22.52	0.11
			Sg	50:36.42	0.03
KOVH	101.2	145	Pg	9:50:23.22	0.67
			Sg	50:37.13	0.49
PKB4	103.2	111	Sg	9:50:37.03	-0.26
PKB1	110.3	93	Sg	9:50:39.35	-0.20
SOP	111.6	328	Sg	9:50:39.24	-0.73
MORH	120.9	125	Pg	9:50:26.25	0.16
			Sg	50:41.66	-1.27
PKSM	121.0	125	Pg	9:50:26.45	0.35
			Sg	50:42.37	-0.59

## Földrengés paraméterek

RONA	124.8	320	Sg	9:50:42.97	-1.18
PKSV	126.2	147	Sg	9:50:44.08	-0.52
GROS	147.4	254	Sn	9:50:49.32	-0.41
PTJ	149.3	226	Sn	9:50:49.82	-0.31
A338	151.4	30	Sn	9:50:51.44	0.82
CONA	165.4	317	Pn	9:50:34.01	1.86
			Sn	50:53.95	0.23
PERS	172.1	263	Pn	9:50:33.70	0.72
			Sn	50:55.67	0.47
SOKA	177.8	264	Sn	9:50:55.47	-1.01
CRES	183.9	232	Sn	9:50:57.98	0.15

440.

2020-04-27 time: 11:23:14.00 UTC ML= 1.6  
 lat: 46.815N lon: 17.361E h= 0.0 km  
 erh= 2.1km erz= 3.5km  
 nr= 14 gap=100 rms=0.88  
 Locality: Nemesvita  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	41.8	19	Pg	11:23:22.16	0.70
			Sg	23:26.88	-0.40
PKST	71.1	46	Pg	11:23:26.73	0.03
			Sg	23:36.05	-0.56
KOGS	94.3	244	Pg	11:23:32.26	1.41
			Sg	23:43.41	-0.57
KOVH	98.7	145	Pg	11:23:32.48	0.85
			Sg	23:45.16	-0.21
MORH	118.9	124	Sg	11:23:50.30	-1.48
PKSM	118.9	124	Sg	11:23:50.35	-1.46
GROS	147.7	255	Sn	11:23:58.31	-0.99
CONA	167.8	318	Pn	11:23:42.34	0.38
			Sn	24:02.24	-1.53
PERS	172.7	263	Sn	11:24:04.25	-0.61

441.

2020-04-27 time: 22:07:08.72 UTC ML= 2.8  
 lat: 48.542N lon: 22.377E h= 7.6 km  
 erh= 1.2km erz= 1.2km  
 nr= 21 gap=154 rms=0.32  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	47.3	165	Pg	22:07:17.21	-0.06
ABAH	88.5	252	Pg	22:07:24.67	0.08
			Sg	07:36.67	-0.30
KWP	123.5	11	Pn	22:07:30.12	-0.07
			Sn	07:46.56	-0.38
STHS	127.9	320	Pn	22:07:30.39	-0.34
			Sn	07:48.32	0.42
LTVH	133.5	195	Pn	22:07:31.63	0.20
KECS	139.9	267	Pn	22:07:31.92	-0.31
			Sn	07:49.90	-0.67
NIE	179.8	303	Pn	22:07:37.81	0.60
			Sn	07:59.47	0.04
DRGR	196.2	173	Pn	22:07:39.27	0.02
PSZ	197.1	249	Pn	22:07:39.44	0.08
			Sn	08:03.45	0.19
LANS	224.0	288	Pn	22:07:43.54	0.82
			Sn	08:09.49	0.25
PENC	245.0	250	Pn	22:07:45.62	0.29
			Sn	08:13.40	-0.49
OJC	264.3	315	Pn	22:07:48.34	0.59
			Sn	08:17.18	-1.01*
PKSG	324.0	247	Pn	22:07:55.69	0.50*
BZS	330.3	190	Pn	22:07:55.25	-0.72*
CSKK	334.3	247	Pn	22:07:56.80	0.33*
PKST	354.7	246	Pn	22:07:59.42	0.41*
MORC	378.5	291	Pn	22:08:01.89	-0.08*
			Sn	08:42.29	-1.22*
MORH	382.6	227	Pn	22:08:02.41	-0.08*

## Hypocenter Parameters

PKSM	383.0	227	Pn	22:08:02.61	0.06*
MPLH	392.9	247	Pn	22:08:03.76	-0.01*
KRUC	443.3	277	Pn	22:08:09.36	-0.70*
			Sn	08:57.52	-0.38*
RONA	462.3	258	Sn	22:09:00.26	-1.87*
CONA	488.8	262	Pn	22:08:15.75	0.01*
			Sn	09:08.20	0.19*

442.

2020-04-27 time: 23:34:08.32 UTC ML= 0.5  
 lat: 47.828N lon: 16.288E h= 12.6 km  
 erh= 2.6km erz= 3.7km  
 nr= 8 gap=199 rms=0.35  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.3	178	Pg	23:34:12.09	0.37
			Sg	34:14.39	0.01
SOP	25.9	129	Pg	23:34:13.58	0.12
			Sg	34:16.76	-0.71
CONA	33.8	289	Pg	23:34:14.88	0.12
			Sg	34:19.61	-0.17
ARSA	86.3	222	Pg	23:34:23.93	0.04
			Sg	34:34.76	-1.28

443.

2020-04-28 time: 6:16:42.39 UTC ML= 1.0  
 lat: 47.290N lon: 18.330E h= 0.0 km  
 erh= 1.5km erz= 3.1km  
 nr= 11 gap=147 rms=0.45  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	9.7	327	Pg	6:16:44.01	-0.10
			Sg	16:44.80	-0.65
PKSG	12.2	22	Pg	6:16:44.65	0.09
			Sg	16:46.00	-0.26
PKST	22.7	261	Pg	6:16:46.58	0.15
			Sg	16:49.76	0.17
MORH	121.8	169	Pg	6:17:04.75	0.61
			Sg	17:20.55	-0.56
PKSM	122.2	169	Pg	6:17:04.83	0.62
			Sg	17:20.50	-0.74
KOVH	134.8	188	Sn	6:17:24.06	-0.76

444.

2020-04-28 time: 7:33:46.52 UTC ML= 1.0  
 lat: 47.274N lon: 18.368E h= 0.0 km  
 erh= 0.7km erz= 210km  
 nr= 8 gap=163 rms=0.15  
 Locality: Sárkeresztes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.8	320	Pg	7:33:48.95	0.14
			Sg	33:49.95	-0.64
PKSG	13.2	7	Pg	7:33:48.95	0.08
			Sg	33:50.54	-0.16
PKST	25.3	266	Pg	7:33:51.10	0.05
			Sg	33:54.55	-0.03
MORH	119.5	170	Sg	7:34:24.39	-0.13
PKSM	119.9	170	Sg	7:34:24.60	-0.05

## Hypocenter Parameters

## Földrengés paraméterek

445.

2020-04-28 time: 8:39:54.80 UTC ML= 1.5  
 lat: 47.348N lon: 18.474E h= 0.0 km  
 erh= 5.5km erz= \*\*\*km  
 nr= 8 gap=115 rms=1.23  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.0	308	PgU	8:39:55.94	-0.28
			Sg	39:56.42	-0.92
CSKK	16.2	276	Pg	8:39:57.23	-0.47
			Sg	39:58.56	-1.40
PKST	34.7	253	Pg	8:40:03.47	2.48
PSZ	124.2	59	Sg	8:40:35.43	1.17
MORH	126.5	174	Sg	8:40:34.31	-0.70
PKSM	126.9	174	Sg	8:40:34.36	-0.78

446.

2020-04-28 time: 8:48:44.04 UTC ML= 1.0  
 lat: 46.241N lon: 18.233E h= 0.0 km  
 erh= 2.2km erz= 294km  
 nr= 8 gap=244 rms=0.47  
 Locality: Mecsekpölöske  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.8	211	Pg	8:48:47.86	0.28
			Sg	48:50.81	0.48
PKSM	31.7	96	Pg	8:48:50.05	0.35
			Sg	48:53.76	-0.36
MORH	31.9	95	Pg	8:48:50.05	0.32
			Sg	48:53.56	-0.61
PKSV	39.2	178	Pg	8:48:50.71	-0.33
			Sg	48:55.19	-1.30

447.

2020-04-28 time: 8:53:08.31 UTC ML= 1.3  
 lat: 47.314N lon: 18.417E h= 0.0 km  
 erh= 1.8km erz= 629km  
 nr= 9 gap=113 rms=0.47  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.9	347	PgU	8:53:10.02	0.12
			Sg	53:10.47	-0.67
CSKK	13.0	295	Pg	8:53:11.34	0.70
			Sg	53:12.71	0.25
PKST	29.6	258	Pg	8:53:12.95	-0.64
			Sg	53:17.53	-0.18
MORH	123.3	172	Sg	8:53:48.01	0.51
PKSM	123.7	172	Sg	8:53:47.45	-0.18
PSZ	129.8	59	Sg	8:53:49.54	-0.04

448.

2020-04-28 time: 9:43:42.72 UTC ML= 0.9  
 lat: 47.194N lon: 18.297E h= 0.0 km  
 erh= 0.9km erz= 2.4km  
 nr= 10 gap=110 rms=0.31  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.1	352	Pg	9:43:46.36	0.24
			Sg	43:48.90	0.12
PKST	21.2	290	Pg	9:43:46.39	-0.11
			Sg	43:49.08	-0.36
PKSG	23.2	18	Pg	9:43:47.25	0.39
			Sg	43:49.51	-0.57

MPLH	57.5	267	Sg	9:44:00.89	-0.09
MORH	111.9	166	Sg	9:44:18.45	0.16
PKSM	112.3	166	Sg	9:44:18.45	0.04
PSZ	144.8	56	Sn	9:44:26.59	-0.78

449.

2020-04-28 time: 21:58:31.97 UTC ML= 1.6  
 lat: 46.732N lon: 22.913E h= 7.5 km  
 erh= 8.4km erz= 4.8km  
 nr= 6 gap=255 rms=0.48  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	16.8	293	Pg	21:58:35.02	-0.24
			Sg	58:37.74	-0.08
LTVH	105.8	313	Pg	21:58:51.54	0.64
			Sg	59:05.55	-0.12
BZS	159.4	219	Sn	21:59:18.39	0.24
ABAH	214.8	324	Pn	21:59:03.78	-1.04

450.

2020-04-29 time: 2:46:17.84 UTC ML= 0.7  
 lat: 48.025N lon: 16.600E h= 14.2 km  
 erh= 3.6km erz= 4.4km  
 nr= 8 gap=122 rms=0.56  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	38.1	185	Pg	2:46:25.79	0.68
			Sg	46:29.80	-0.98
ZST	42.0	63	Sg	2:46:31.47	-0.47
RONA	42.7	212	Pg	2:46:26.28	0.39
			Sg	46:31.68	-0.48
CONA	56.2	259	Pg	2:46:28.55	0.36
			Sg	46:35.58	-0.68
KRUC	116.3	353	Sn	2:46:52.55	-0.38

451.

2020-04-29 time: 5:15:20.84 UTC ML= 1.2  
 lat: 48.189N lon: 20.577E h= 9.1 km  
 erh= 1.6km erz= 10.8km  
 nr= 6 gap=163 rms=0.49  
 Locality: Tardona  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	33.4	348	Pg	5:15:27.17	0.16
			Sg	15:31.34	-0.49
ABAH	50.6	76	Pg	5:15:30.63	0.60
PSZ	59.1	239	Sg	15:36.36	-0.83
			Pg	5:15:31.70	0.18
			Sg	15:39.18	-0.67

452.

2020-04-29 time: 7:11:05.88 UTC ML= 1.0  
 lat: 47.079N lon: 18.060E h= 0.0 km  
 erh= 1.5km erz= 547km  
 nr= 11 gap=129 rms=0.44  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.0	354	Pg	7:11:09.11	-0.35
			Sg	11:11.97	-0.28
CSKK	35.0	26	Sg	7:11:17.51	0.51
MPLH	40.8	284	Pg	7:11:13.24	0.08
			Sg	11:18.93	0.09
PKSG	42.8	36	Pg	7:11:13.63	0.11



## Földrengés paraméterek

## Hypocenter Parameters

Sg 11:19.39 -0.09  
 MORH 105.9 155 Pg 7:11:25.33 0.54  
 Sg 11:38.53 -1.01  
 PKSM 106.2 155 Pg 7:11:25.13 0.28  
 Sg 11:38.48 -1.16

453.

2020-04-29 time: 8:06:22.16 UTC ML= 1.3  
 lat: 47.550N lon: 18.509E h= 0.0 km  
 erh= 1.2km erz= 230km  
 nr= 8 gap=157 rms=0.17  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ID55	13.7	316	Pg	8:06:24.62	0.02
PKSG	19.8	207	Pg	8:06:25.87	0.18
			Sg	06:28.80	0.35
CSKK	28.0	222	Pg	8:06:27.20	0.03
			Sg	06:30.78	-0.29
PKST	48.3	228	Pg	8:06:30.73	-0.06
			Sg	06:37.11	-0.41
ID66	50.4	49	Pg	8:06:31.13	-0.02

454.

2020-04-29 time: 8:09:56.71 UTC ML= 1.1  
 lat: 47.749N lon: 18.667E h= 0.0 km  
 erh= 3.9km erz= 748km  
 nr= 9 gap=217 rms=0.62  
 Locality: Tát  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	39.9	138	Sg	8:10:08.78	-0.61
PKSG	44.9	208	Pg	8:10:05.25	0.53
			Sg	10:10.67	-0.30
PENC	46.3	84	Pg	8:10:06.06	1.09
			Sg	10:10.95	-0.47
CSKK	52.7	215	Sg	8:10:13.36	-0.11
PKST	72.4	221	Pg	8:10:09.60	-0.04
			Sg	10:19.24	-0.49
PSZ	93.8	78	Sg	8:10:25.48	-1.04

455.

2020-04-29 time: 8:28:08.27 UTC ML= 1.4  
 lat: 48.539N lon: 20.806E h= 0.0 km  
 erh= 2.9km erz= 5.4km  
 nr= 12 gap= 94 rms=0.88  
 Locality: Bódvalenke  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.5	255	Pg	8:28:12.99	0.35
			Sg	28:16.97	0.92
ABAH	42.0	130	Pg	8:28:16.02	0.26
			Sg	28:22.56	0.95
PSZ	96.7	224	Pg	8:28:24.70	-0.84
			Sg	28:39.29	0.28
STHS	102.7	18	ePg	8:28:26.40	-0.21
NIE	104.3	340	Pg	8:28:28.58	1.69
			Sg	28:40.27	-1.14
LANS	119.5	305	ePg	8:28:28.50	-1.10
TRPA	136.3	109	Pn	8:28:32.19	-0.11
			Sn	28:49.52	-1.52

456.

2020-04-29 time: 16:25:16.23 UTC ML= 1.9  
 lat: 45.871N lon: 16.039E h= 13.5 km  
 erh= 2.4km erz= 1.2km  
 nr= 21 gap= 73 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	5.8	217	Pg	16:25:19.20	0.34
			Sg	25:20.61	-0.30
PTJ	7.1	297	Pg	16:25:18.50	-0.46
			Sg	25:19.88	-1.20
GCIS	32.0	269	iPg	16:25:23.00	0.57
GOLS	35.7	296	ePg	16:25:23.89	0.84
CRES	45.5	264	Pg	16:25:24.56	-0.15
			Sg	25:31.85	0.53
DOBS	53.9	305	iPg	16:25:26.56	0.40
KOGS	66.2	14	Pg	16:25:28.61	0.31
			Sg	25:36.33	-1.38
GROS	77.6	328	Pg	16:25:30.16	-0.14
			Sg	25:39.44	-1.84
BEHE	87.6	40	S*	16:25:45.82	1.46
PERS	110.9	320	Pn	16:25:35.60	0.24
			Sn	25:49.32	-0.96
SOKA	118.6	319	Pn	16:25:36.51	0.18
			Sn	25:51.74	-0.26
OBKA	135.2	302	Sn	16:25:56.78	1.10
BLY	153.7	144	Pn	16:25:39.55	-1.15
PKSV	171.8	89	Pn	16:25:42.88	-0.08

457.

2020-04-30 time: 3:26:12.24 UTC ML= 2.2  
 lat: 45.888N lon: 16.032E h= 8.1 km  
 erh= 1.5km erz= 1.2km  
 nr= 27 gap=103 rms=0.57  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.9	283	Pg	3:26:13.91	-0.12
			Sg	26:15.15	-0.27
ZAG	7.2	204	Pg	3:26:14.48	0.31
			Sg	26:15.39	-0.29
GCIS	31.5	266	iPg	3:26:18.22	0.18
GOLS	34.4	293	iPg	3:26:18.91	0.36
CESS	45.1	282	iPg	3:26:21.14	0.72
			iSg	26:26.64	-0.17
CRES	45.2	261	Pg	3:26:19.80	-0.63
			Sg	26:27.05	0.22
DOBS	52.4	304	iPg	3:26:21.98	0.28
			eSg	26:29.29	0.20
KOGS	64.5	15	Pg	3:26:23.92	0.07
			Sg	26:32.05	-0.86
BOJS	74.2	235	iPg	3:26:25.40	-0.17
GROS	75.7	327	Pg	3:26:25.65	-0.19
			Sg	26:34.78	-1.66
BEHE	86.5	42	Pg	3:26:27.36	-0.40
			Sg	26:41.29	1.42
PERS	109.0	320	Pg	3:26:30.99	-0.77
			Sg	26:44.20	-2.79*
OBKA	133.7	301	Pn	3:26:35.70	0.79
			Sn	26:51.31	-1.28
BLY	155.5	144	Pn	3:26:37.96	0.33
			Sn	26:57.11	-0.32
ARSA	156.4	346	Pn	3:26:38.53	0.79
			Sn	26:58.25	0.62

## Hypocenter Parameters

## Földrengés paraméterek

458.

2020-04-30 time: 3:59:04.90 UTC ML= 2.6  
 lat: 48.830N lon: 21.788E h= 5.5 km  
 erh= 1.8km erz= 1.8km  
 nr= 32 gap= 81 rms=0.82  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	71.9	214	Pg	3:59:17.99	0.21
			Sg	59:27.19	-0.63
STHS	76.4	329	Pg	3:59:18.65	0.07
			Sg	59:29.94	0.69
ID53	94.8	174	Pg	3:59:22.10	0.23
TRPA	95.6	144	Pg	3:59:20.78	-1.22
			Sg	59:33.80	-1.53
KJX	99.2	248	Pg	3:59:22.61	-0.04
KECS	103.4	248	Pg	3:59:23.01	-0.39
KWP	111.5	37	Pg	3:59:25.19	0.36
			Sg	59:39.59	-0.78
ID58	122.2	230	Pn	3:59:25.54	-0.93
NIE	126.0	301	Pn	3:59:27.19	0.24
			Sn	59:42.71	-1.44
CEI	136.7	159	PnD	3:59:29.71	1.43
CEI	136.7	159	Sn	3:59:45.50	-1.02
LTVH	160.9	177	Pn	3:59:31.92	0.62
			Sn	59:52.65	0.76
PSZ	173.1	234	Pn	3:59:32.34	-0.48
LANS	173.5	282	Pn	3:59:34.00	1.12
ID79	175.2	221	Pn	3:59:32.72	-0.36
BMR	180.7	135	PnC	3:59:34.28	0.51
BMR	180.7	135	Sn	3:59:56.10	-0.19
BORR	193.5	180	PnC	3:59:37.79	2.43
MESR	205.9	155	PnD	3:59:38.31	1.40
OJC	211.3	317	Pn	3:59:39.15	1.57
			Sn	4:00:01.40	-1.67
PENC	219.0	238	Pn	3:59:38.26	-0.28
DRGR	236.9	163	Pn	3:59:41.14	0.36
MARR	259.4	157	PnC	3:59:44.77	1.18
CJR	271.6	150	PnC	3:59:47.00	1.89
BURA	288.4	118	PnC	3:59:46.74	-0.45
MODS	336.6	261	ePn	3:59:53.10	-0.10*
BZS	357.5	182	Pn	3:59:56.61	0.80*
			Sn	4:00:30.59	-4.93*
MORH	374.9	219	PnD	3:60:00.29	2.31*
VRAC	383.3	278	Pn	3:59:58.81	-0.22*
KRLC	388.6	291	Pn	3:59:59.94	0.25*
KRUC	395.9	274	Pn	3:59:59.94	-0.66*
			Sn	4:00:43.30	-0.75*

459.

2020-04-30 time: 8:05:59.55 UTC ML= 1.1  
 lat: 47.602N lon: 18.553E h= 0.0 km  
 erh= 4.5km erz= 5.3km  
 nr= 11 gap=122 rms=1.30  
 Locality: Tarján  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	26.3	208	Pg	8:06:05.92	1.67
			Sg	06:09.85	1.93
CSKK	34.5	220	Sg	8:06:08.74	-1.77
BUD	37.8	110	Pg	8:06:06.14	-0.15
			Sg	06:09.38	-2.17
A338	48.4	342	Sg	8:06:14.02	-0.91
PSZ	106.5	71	Pg	8:06:19.76	1.19
			Sg	06:33.82	0.41
MORH	154.2	177	Sn	8:06:45.61	-0.68
PKSM	154.6	178	Sn	8:06:45.66	-0.73
KOVH	171.7	192	Sn	8:06:48.68	-1.50

460.

2020-04-30 time: 9:00:18.12 UTC ML= 2.4  
 lat: 48.217N lon: 21.244E h= 0.0 km  
 erh= 2.6km erz= 3.6km  
 nr= 10 gap=156 rms=0.60  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	8.8	358	PgU	9:00:19.83	0.15
			Sg	00:20.48	-0.42
KECS	63.5	298	Pg	9:00:29.70	0.24
			Sg	00:37.69	-0.61
TRPA	96.8	96	Pg	9:00:35.57	0.16
			Sg	00:48.16	-0.74
PSZ	105.9	252	Sg	9:00:51.69	-0.09
STHS	133.4	360	ePn	9:00:44.20	2.42
			eSn	00:59.60	-0.64
NIE	150.1	333	Sn	9:01:03.83	-0.12

461.

2020-04-30 time: 15:58:23.77 UTC ML= 0.1  
 lat: 47.321N lon: 18.381E h= 7.0 km  
 erh= 4.2km erz= 5.0km  
 nr= 5 gap=250 rms=0.09  
 Locality: Zámoly  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	7.9	6	Pg	15:58:25.76	0.11
			Sg	58:26.99	-0.13
CSKK	10.2	297	Pg	15:58:25.97	-0.01
			Sg	58:27.75	0.05
PKST	27.1	255	Sg	15:58:32.54	-0.12

462.

2020-05-03 time: 20:34:57.81 UTC ML= 1.7  
 lat: 46.523N lon: 21.263E h= 30.2 km  
 erh= 5.0km erz=10.7km  
 nr= 11 gap=144 rms=0.98  
 Locality: Elek  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	104.4	165	Pn	20:35:14.22	-0.20
			Sn	35:26.57	-0.81
PKSN	114.5	291	Pn	20:35:16.11	0.43
			Sn	35:28.95	-0.66
DRGR	114.8	75	Pn	20:35:14.77	-0.95
			Sn	35:28.00	-1.69
PKS6	130.5	274	Pn	20:35:18.35	0.68
			Sn	35:32.70	-0.46
MARR	143.3	83	PnD	20:35:21.58	2.32
			Sn	35:37.60	1.61
PKB3	159.2	266	Sn	20:35:39.98	0.45

463.

2020-05-04 time: 0:26:50.64 UTC ML=-0.4  
 lat: 47.327N lon: 18.279E h= 3.6 km  
 erh= 1.1km erz= 1.5km  
 nr= 5 gap=198 rms=0.09  
 Locality: Söréd  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.3	341	Pg	0:26:51.76	0.12
			Sg	26:52.39	-0.03
PKSG	11.1	50	Pg	0:26:52.73	0.00
			Sg	26:54.20	-0.16
PKST	20.0	248	Sg	0:26:57.05	-0.04

## Földrengés paraméterek

## Hypocenter Parameters

464.

2020-05-04 time: 7:52:13.74 UTC ML= 1.2  
 lat: 47.009N lon: 17.961E h= 0.0 km  
 erh= 2.2km erz= 673km  
 nr= 10 gap=138 rms=0.52  
 Locality: Felsőörs  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	13.2	203	Pg	7:52:15.26			-0.84
			Sg	52:17.94			0.00
PKST	28.3	11	Pg	7:52:18.37			-0.43
			Sg	52:22.87			0.12
MPLH	36.7	299	Pg	7:52:20.48			0.19
			Sg	52:25.46			0.06
PKSM	102.8	150	Pg	7:52:32.38			0.27
			Sg	52:46.04			-0.39
KOVH	102.9	174	Pg	7:52:33.23			1.11
			Sg	52:46.41			-0.05

465.

2020-05-04 time: 8:51:31.28 UTC ML= 1.9  
 lat: 47.317N lon: 18.441E h= 0.0 km  
 erh= 2.1km erz= 564km  
 nr= 9 gap=197 rms=0.44  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	9.2	335	PgU	8:51:33.05			0.13
			Sg	51:33.52			-0.67
CSKK	14.6	291	Pg	8:51:34.41			0.52
			Sg	51:35.99			0.07
PKST	31.4	258	Pg	8:51:37.27			0.37
			Sg	51:40.56			-0.72
MPLH	70.2	257	Sg	8:51:52.88			-0.71
MORH	123.4	173	Sg	8:52:10.40			-0.10
PKSM	123.8	173	Sg	8:52:10.55			-0.08

466.

2020-05-04 time: 9:06:15.45 UTC ML= 0.9  
 lat: 47.574N lon: 16.315E h= 0.0 km  
 erh= 1.3km erz= 3.0km  
 nr= 15 gap= 66 rms=0.51  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	14.1	354	PgU	9:06:18.00			0.04
			Sg	06:20.17			0.25
SOP	22.0	56	Pg	9:06:18.83			-0.55
			Sg	06:21.81			-0.63
CONA	52.1	319	Pg	9:06:25.41			0.66
			Sg	06:31.81			-0.19
ARSA	69.7	239	Sg	9:06:37.35			-0.26
EGYH	78.6	103	Sg	9:06:41.58			1.15
MPLH	102.8	116	Sg	9:06:48.03			-0.10
MODS	114.4	39	ePg	9:06:36.10			0.23
			eSg	06:50.50			-1.30
KOGS	125.2	182	Sg	9:06:55.18			-0.07
SOKA	139.2	224	Sn	9:06:54.97			-3.90*
MOA	156.8	281	Pn	9:06:42.06			0.03
			Sn	07:02.64			-0.13

467.

2020-05-04 time: 9:35:30.65 UTC ML= 1.5  
 lat: 48.590N lon: 20.750E h= 0.0 km  
 erh= 1.3km erz= 250km  
 nr= 6 gap=189 rms=0.15  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	22.8	239	Pg	9:35:34.97			0.24
			Sg	35:37.93			0.02
ABAH	48.7	132	Pg	9:35:39.27			-0.08
			Sg	35:46.29			0.15
PSZ	98.0	220	Pg	9:35:47.98			-0.17
LANS	112.9	304	Pg	9:35:50.75			-0.06

468.

2020-05-04 time: 11:40:21.78 UTC ML= 1.7  
 lat: 48.272N lon: 19.863E h= 0.0 km  
 erh= 2.3km erz= 5.0km  
 nr= 10 gap= 88 rms=0.77  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	39.4	177	Pg	11:40:29.22			0.41
			Sg	40:34.04			-0.25
KECS	51.8	63	ePg	11:40:31.70			0.67
			eSg	40:39.60			1.36
PENC	68.9	219	Sg	11:40:43.53			-0.15
LANS	102.0	343	Sg	11:40:54.53			0.34
ABAH	102.2	88	Pg	11:40:40.37			0.34
			Sg	40:52.25			-2.01
A338	116.0	256	Sg	11:40:57.82			-0.83
NIE	131.8	15	Sn	11:41:02.24			-1.31

469.

2020-05-04 time: 15:13:23.40 UTC ML= 1.5  
 lat: 47.078N lon: 19.437E h= 0.0 km  
 erh= 5.0km erz= 777km  
 nr= 6 gap=192 rms=0.46  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	21.3	261	Pg	15:13:27.56			0.36
			Sg	13:29.68			-0.49
PENC	80.0	352	Pg	15:13:38.30			0.60
PSZ	99.6	20	Pg	15:13:40.97			-0.21
			Sg	13:54.10			-0.95
PKSM	114.0	212	Pg	15:13:43.64			-0.12

470.

2020-05-05 time: 9:21:53.77 UTC ML= 1.0  
 lat: 47.221N lon: 18.292E h= 0.0 km  
 erh= 4.0km erz= 623km  
 nr= 7 gap=243 rms=0.41  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	16.0	351	Sg	9:21:59.07			0.21
PKST	20.0	282	Pg	9:21:56.92			-0.42
			Sg	21:59.78			-0.35
PKSG	20.4	21	Pg	9:21:57.08			-0.34
			Sg	22:00.55			0.29
MPLH	57.3	264	Pg	9:22:04.67			0.66
			Sg	22:12.15			0.16

## Hypocenter Parameters

## Földrengés paraméterek

471.

2020-05-06 time: 8:43:59.13 UTC ML= 1.6  
 lat: 48.598N lon: 20.759E h= 0.0 km  
 erh= 1.9km erz= 638km  
 nr= 10 gap=153 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.9	238	Pg	8:44:03.56			0.17
			Sg			44:06.20	-0.52
ABAH	48.9	133	Pg	8:44:07.83			-0.03
			Sg			44:14.65	-0.01
NIE	97.0	340	Pg	8:44:17.09			0.64
			Sg			44:29.26	-0.70
PSZ	99.1	220	Pg	8:44:17.45			0.62
			Sg			44:30.38	-0.26
LANS	112.9	303	Pg	8:44:18.93			-0.37
			Sg			44:32.97	-2.06

472.

2020-05-06 time: 12:58:50.12 UTC ML= 1.9  
 lat: 47.899N lon: 20.125E h= 0.0 km  
 erh= 1.8km erz= 1.7km  
 nr= 13 gap=156 rms=0.63  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	17.4	277	Pg	12:58:53.80			0.58
			Sg			58:56.32	0.68
PENC	64.3	259	Sg	12:59:11.08			0.53
KECS	70.3	22	Pg	12:59:02.29			-0.38
			Sg			59:12.82	0.37
ABAH	94.0	62	Pg	12:59:07.41			0.50
			Sg			59:19.67	-0.33
PKS7	119.4	218	Sg	12:59:27.61			-0.46
A338	133.0	276	Pn	12:59:13.92			0.18
			Sn			59:28.27	-3.90*
PKSG	142.0	247	Sn	12:59:33.04			-1.12
LANS	147.4	341	Sn	12:59:34.06			-1.29
CSKK	152.3	247	Sn	12:59:35.70			-0.74

473.

2020-05-07 time: 7:25:52.70 UTC ML= 1.3  
 lat: 47.331N lon: 18.421E h= 0.0 km  
 erh= 1.4km erz= 476km  
 nr= 9 gap=113 rms=0.36  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.1	341	PgU	7:25:53.94			-0.04
			Sg			25:54.37	-0.61
CSKK	12.7	286	Pg	7:25:55.30			0.33
			Sg			25:57.14	0.41
PKST	30.4	255	Pg	7:25:58.00			-0.13
			Sg			26:01.18	-1.17
MORH	125.1	172	Sg	7:26:32.79			0.31
PKSM	125.5	172	Sg	7:26:32.64			0.03
PSZ	128.5	59	Sg	7:26:33.66			0.10

474.

2020-05-07 time: 9:51:58.70 UTC ML= 1.0  
 lat: 47.188N lon: 18.301E h= 0.0 km  
 erh= 0.9km erz= 1.8km  
 nr= 9 gap=110 rms=0.22  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.7	351	Pg	9:52:02.41			0.18
			Sg			52:04.68	-0.30
PKST	21.7	291	Pg	9:52:02.64			0.06
			Sg			52:05.40	-0.20
PKSG	23.7	17	Pg	9:52:03.05			0.12
			Sg			52:06.28	0.05
MORH	111.2	166	Sg	9:52:33.64			-0.40
KOVH	123.2	187	Sg	9:52:38.22			0.36
PSZ	144.9	56	Sn	9:52:43.02			-0.35

475.

2020-05-07 time: 11:30:20.07 UTC ML= 1.8  
 lat: 48.400N lon: 19.635E h= 0.0 km  
 erh= 7.5km erz= \*\*\*km  
 nr= 7 gap=224 rms=0.84  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	56.9	160	Pg	11:30:30.87			0.64
			Sg			30:37.52	-0.64
KECS	63.7	82	Pg	11:30:30.78			-0.66
			Sg			30:41.95	1.64
ABAH	119.5	96	Pg	11:30:40.74			-0.68
NIE	123.8	24	Pg	11:30:42.99			0.81
			Sg			30:58.40	-1.02

476.

2020-05-07 time: 13:08:25.15 UTC ML= 0.2  
 lat: 47.389N lon: 18.257E h= 4.0 km  
 erh= 3.7km erz= 2.0km  
 nr= 6 gap=219 rms=0.10  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	2.8	174	Pg	13:08:26.08			0.05
			Sg			08:26.79	0.08
PKSG	10.1	88	Pg	13:08:27.07			-0.02
			Sg			08:28.52	-0.09
PKST	22.1	229	Pg	13:08:29.26			0.09
			Sg			08:32.08	-0.22

477.

2020-05-07 time: 13:11:25.27 UTC ML= 0.9  
 lat: 47.384N lon: 18.259E h= 4.9 km  
 erh= 7.9km erz= 2.7km  
 nr= 6 gap=214 rms=0.13  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	2.3	178	Pg	13:11:26.25			0.02
			Sg			11:26.89	-0.09
PKSG	10.0	85	Pg	13:11:27.32			0.07
			Sg			11:28.79	0.00
PKST	22.0	231	Pg	13:11:29.12			-0.17
			Sg			11:32.77	0.35

478.

2020-05-07 time: 13:12:29.07 UTC ML= 0.8  
 lat: 47.334N lon: 18.293E h= 4.4 km  
 erh= 6.4km erz= 7.3km  
 nr= 5 gap=198 rms=0.15  
 Locality: Söréd  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	4.1	323	Pg	13:12:30.36			0.22

## Földrengés paraméterek

## Hypocenter Parameters

PKSG 9.8 49 Sg 12:30.82 -0.16  
 Pg 13:12:30.97 -0.02  
 Sg 12:32.45 -0.03  
 PKST 21.3 247 Sg 13:12:35.78 -0.19

479.

2020-05-07 time: 16:20:03.22 UTC ML= 0.5  
 lat: 47.315N lon: 18.288E h= 0.6 km  
 erh= 2.3km erz=25.6km  
 nr= 5 gap=210 rms=0.11  
 Locality: Söréd  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	5.8	338	Pg	16:20:04.39	0.13
			Sg	20:04.92	-0.15
PKSG	11.5	42	Pg	16:20:05.30	0.02
			Sg	20:06.73	-0.16
PKST	20.2	252	Sg	16:20:09.65	0.00

480.

2020-05-07 time: 18:58:50.78 UTC ML= 0.2  
 lat: 47.390N lon: 18.236E h= 4.5 km  
 erh= 3.6km erz= 2.2km  
 nr= 5 gap=222 rms=0.11  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.5	148	Pg	18:58:51.88	0.08
			Sg	58:52.61	0.02
PKSG	11.7	89	Pg	18:58:53.05	0.04
			Sg	58:54.44	-0.32
PKST	21.1	226	Sg	18:58:57.57	-0.06

481.

2020-05-07 time: 19:03:46.01 UTC ML= 0.3  
 lat: 47.372N lon: 18.268E h= 5.1 km  
 erh= 5.3km erz= 0.8km  
 nr= 6 gap=202 rms=0.10  
 Locality: Csókakő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	1.2	209	Pg	19:03:46.95	0.00
			Sg	03:47.57	-0.11
PKSG	9.5	77	Pg	19:03:48.02	0.08
			Sg	03:49.42	-0.03
PKST	21.7	235	Pg	19:03:49.91	-0.09
			Sg	03:53.34	0.24

482.

2020-05-08 time: 4:47:02.69 UTC ML= 1.3  
 lat: 47.946N lon: 20.451E h= 8.7 km  
 erh= 1.8km erz= 2.0km  
 nr= 7 gap=168 rms=0.22  
 Locality: Noszvaj  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	41.7	266	Pg	4:47:10.26	-0.03
			Sg	47:15.98	-0.24
KECS	59.8	3	Pg	4:47:13.67	0.19
			Sg	47:21.94	0.05
ABAH	70.5	56	Pg	4:47:15.47	0.10
			Sg	47:24.27	-0.99
PKS7	139.4	224	Sn	4:47:44.10	-0.07

483.

2020-05-08 time: 8:33:20.70 UTC ML= 1.9  
 lat: 47.863N lon: 19.447E h= 0.0 km  
 erh= 4.0km erz= 2.5km  
 nr= 13 gap=157 rms=0.62  
 Locality: Bercel  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.7	237	Pg	8:33:23.51	0.18
			Sg	33:25.42	0.04
PSZ	34.1	80	PgU	8:33:26.85	0.07
			Sg	33:32.12	0.60
SRO	85.0	266	eSg	8:33:50.00	2.28
PKSG	95.1	237	Pg	8:33:37.18	-0.50
KECS	103.6	48	Pg	8:33:39.24	0.05
			Sg	33:51.94	-1.68
PKST	125.7	238	Pg	8:33:42.37	-0.78
ABAH	142.0	70	Sn	8:34:05.02	0.29
MPLH	163.0	242	Pn	8:33:48.73	0.68
			Sn	34:09.90	0.51
NIE	184.4	20	Sn	8:34:14.18	0.03

484.

2020-05-08 time: 8:38:38.65 UTC ML= 1.6  
 lat: 47.555N lon: 16.298E h= 0.0 km  
 erh= 1.8km erz= 2.4km  
 nr= 26 gap= 67 rms=0.94  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.1	360	PgU	8:38:41.60	0.08
			Sg	38:43.21	-0.55
SOP	24.2	54	Pg	8:38:42.69	-0.29
			Sg	38:45.35	-1.00
CONA	52.8	322	Pg	8:38:48.20	0.12
			Sg	38:55.51	0.07
ARSA	67.6	240	Pg	8:38:51.73	1.01
			Sg	39:00.27	0.14
MPLH	103.1	115	Pg	8:38:57.87	0.81
			Sg	39:10.93	-0.50
A339	106.4	73	Pg	8:38:59.74	2.09
			Sg	39:12.60	0.12
MODS	116.8	39	ePg	8:38:59.80	0.30
			eSg	39:15.00	-0.77
KOGS	123.1	182	Sg	8:39:16.66	-1.12
PKST	135.2	104	Pn	8:39:02.06	-0.48
			Sn	39:18.66	-2.51
GROS	135.9	206	Sn	8:39:20.20	-1.12
PERS	136.0	221	Pn	8:39:02.52	-0.12
			Sn	39:19.63	-1.72
SOKA	136.8	225	Pn	8:39:02.23	-0.52
			Sn	39:21.85	0.31
MOA	156.0	282	Pn	8:39:07.46	2.33
			Sn	39:26.84	1.06
KRUC	167.7	2	Pn	8:39:06.23	-0.36
			Sn	39:26.13	-2.26

485.

2020-05-08 time: 8:42:14.98 UTC ML= 1.5  
 lat: 46.914N lon: 17.310E h= 0.0 km  
 erh= 1.4km erz= 3.9km  
 nr= 14 gap= 90 rms=0.45  
 Locality: Sümegprága  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	33.4	31	Pg	8:42:20.83	-0.11
			Sg	42:25.58	-0.01
PKST	67.0	55	Pg	8:42:27.14	0.19
CSKK	87.7	55	Sg	8:42:42.02	-0.83

## Hypocenter Parameters

KOGS 96.2 237 Sg 8:42:45.02 -0.54  
 PKB4 109.3 115 Sg 8:42:49.72 0.01  
 KOVH 110.0 147 Pg 8:42:34.69 0.07  
                   Sg 42:48.42 -1.52  
 RONA 116.2 319 Pg 8:42:35.58 -0.15  
 MORH 128.4 127 Pg 8:42:38.52 0.62  
                   Sg 42:55.16 -0.62  
 PKSM 128.5 127 Pg 8:42:38.67 0.75  
                   Sg 42:55.41 -0.41  
 PKSV 135.1 148 Pn 8:42:39.06 0.21

486.

2020-05-10 time: 11:46:07.89 UTC ML= 1.8  
 lat: 47.750N lon: 16.101E h= 6.5 km  
                   erh= 1.6km erz= 1.6km  
 nr= 29 gap= 64 rms=0.73  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.7	111	PgU	11:46:11.51	0.58
			Sg	46:13.80	0.49
CONA	26.7	318	PgU	11:46:12.93	0.14
			Sg	46:16.61	0.00
SOP	35.2	102	PgU	11:46:14.63	0.35
			Sg	46:19.07	-0.19
ARSA	70.6	218	PgD	11:46:19.94	-0.61
			Sg	46:28.06	-2.36
ZST	89.7	56	Pg	11:46:23.44	-0.52
			Sg	46:35.50	-0.99
MODS	111.8	52	ePg	11:46:27.80	-0.09
			eSg	46:41.90	-1.58
MOA	137.9	275	Pn	11:46:31.86	0.58
			Sn	46:48.65	-0.88
PERS	144.6	211	Pn	11:46:31.65	-0.48
			Sn	46:50.15	-0.88
KOGS	145.2	176	Sn	11:46:50.44	-0.72
KRUC	147.4	9	PnD	11:46:32.57	0.09
			Sn	46:50.19	-1.46
GROS	150.4	198	Pn	11:46:33.19	0.35
PKST	155.6	111	Pn	11:46:34.73	1.23
TREC	177.6	345	ePn	11:46:37.40	1.16
			eSn	46:58.30	-0.05
BIOA	184.8	268	Pn	11:46:38.38	1.24
			Sn	47:00.65	0.69
KBA	221.0	250	Pn	11:46:41.84	0.19
			Sn	47:07.60	-0.38
ZVC	234.7	323	eSn	11:47:12.90	1.89
KHC	241.6	309	eSn	11:47:15.10	2.54

487.

2020-05-11 time: 6:56:06.21 UTC ML= 1.2  
 lat: 47.079N lon: 18.328E h= 0.0 km  
                   erh= 1.5km erz= 7.8km  
 nr= 14 gap= 91 rms=0.55  
 Locality: Kőszárhegy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	29.9	312	Pg	6:56:12.08	0.53
			Sg	56:15.79	0.08
CSKK	31.9	351	Sg	6:56:16.61	0.25
PKSG	35.0	8	Pg	6:56:12.62	0.16
			Sg	56:17.22	-0.13
MPLH	60.7	280	Sg	6:56:25.02	-0.47
PKB2	83.0	123	Sg	6:56:33.97	1.39
MORH	99.0	166	Pg	6:56:24.06	0.17
			Sg	56:36.98	-0.70
PKSM	99.4	166	Pg	6:56:24.01	0.05
			Sg	56:37.14	-0.66
PENC	106.9	42	Sg	6:56:39.08	-1.10
KOVH	111.6	189	Sg	6:56:41.73	0.06
PSZ	150.4	52	Sn	6:56:49.95	-2.16

## Földrengés paraméterek

488.

2020-05-11 time: 8:58:41.34 UTC ML= 1.8  
 lat: 48.500N lon: 17.467E h= 0.0 km  
                   erh= 4.5km erz= 4.0km  
 nr= 10 gap=216 rms=0.57  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.2	297	Pg	8:58:42.24	0.32
			Sg	58:42.64	0.28
MODS	19.9	225	Pg	8:58:45.50	0.60
ZST	43.3	219	Sg	8:58:54.88	-0.23
KRUC	100.5	308	Pg	8:58:59.62	0.33
			Sg	59:12.42	-0.87
RONA	124.6	224	Pg	8:59:03.04	-0.56
CONA	135.2	242	Pn	8:59:05.51	0.27
			Sn	59:21.50	-2.38
MORC	142.0	2	Sn	8:59:24.38	-1.01

489.

2020-05-11 time: 9:09:40.14 UTC ML= 1.8  
 lat: 48.607N lon: 20.773E h= 0.0 km  
                   erh= 1.9km erz= 673km  
 nr= 9 gap=114 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.3	237	Pg	9:09:45.26	0.61
			Sg	09:47.99	-0.18
ABAH	48.8	135	Pg	9:09:49.17	0.31
			Sg	09:55.74	0.07
STHS	96.4	21	Pg	9:09:57.48	0.11
			Sg	10:09.98	-0.82
PSZ	100.6	220	Sg	9:10:11.33	-0.78
LANS	113.2	302	Pg	9:10:00.59	0.23
			Sg	10:14.65	-1.48

490.

2020-05-11 time: 9:19:02.09 UTC ML= 1.5  
 lat: 47.756N lon: 19.026E h= 0.0 km  
                   erh= 0.7km erz= 119km  
 nr= 7 gap=202 rms=0.08  
 Locality: Dunabogdány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	19.6	79	Pg	9:19:05.64	0.06
			Sg	19:08.16	-0.14
BUD	30.3	180	Sg	9:19:11.75	0.02
PKSG	62.7	230	Pg	9:19:13.33	0.05
			Sg	19:22.03	0.02
PSZ	67.5	75	Sg	9:19:23.56	0.02
CSKK	72.3	233	Sg	9:19:24.93	-0.14

491.

2020-05-11 time: 9:27:49.03 UTC ML= 1.4  
 lat: 46.222N lon: 18.266E h= 0.0 km  
                   erh= 3.0km erz= 636km  
 nr= 8 gap=180 rms=0.45  
 Locality: Kisbattyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.6	221	Pg	9:27:52.82	0.28
			Sg	27:55.06	-0.21
PKSM	29.0	92	Pg	9:27:54.55	0.34
			Sg	27:58.22	-0.03

## Földrengés paraméterek

MORH 29.2 91 Pg 9:27:54.61 0.36  
 Sg 27:58.02 -0.30  
 PKSV 37.1 182 Sg 9:27:59.64 -1.18  
 PKB4 40.1 40 Sg 9:28:01.04 -0.74

492.

2020-05-12 time: 7:25:57.67 UTC ML= 1.9  
 lat: 47.838N lon: 19.864E h= 0.0 km  
 erh= 4.0km erz= 3.9km  
 nr= 11 gap=144 rms=0.69  
 Locality: Gyöngyösoroszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	9.2	14	Pg	7:26:00.08	0.76
			Sg	26:01.03	0.42
PENC	44.0	263	Pg	7:26:05.78	0.26
			Sg	26:11.99	0.35
KECS	85.4	33	Sg	7:26:24.04	-0.76
ABAH	114.5	64	Sg	7:26:33.09	-0.96
PKSG	121.4	246	Sg	7:26:35.23	-1.02
CSKK	131.7	246	Sn	7:26:38.49	-0.92
PKB4	177.1	213	Sn	7:26:49.12	-0.38
MORH	202.8	207	Sn	7:26:55.43	0.23
PKSM	203.3	207	Sn	7:26:56.55	1.24

493.

2020-05-12 time: 8:06:05.47 UTC ML= 1.4  
 lat: 47.863N lon: 19.133E h= 0.0 km  
 erh= 0.5km erz=86.1km  
 nr= 6 gap=189 rms=0.05  
 Locality: Nőtincs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.7	126	Pg	8:06:07.95	0.03
			Sg	06:09.79	-0.05
PSZ	57.3	84	Pg	8:06:15.77	0.07
			Sg	06:23.63	-0.05
PKSG	76.5	227	Sg	8:06:29.76	-0.02
KECS	122.0	56	ePg	8:06:27.20	-0.06
			eSg	06:43.00	-1.25*

494.

2020-05-12 time: 9:02:12.90 UTC ML= 0.6  
 lat: 47.223N lon: 18.289E h= 0.0 km  
 erh= 2.6km erz= 354km  
 nr= 5 gap=260 rms=0.16  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.8	352	Sg	9:02:17.99	0.08
PKST	19.7	282	Pg	9:02:16.29	-0.12
			Sg	02:19.27	0.12
PKSG	20.3	22	Pg	9:02:16.68	0.15
			Sg	02:19.06	-0.30

495.

2020-05-12 time: 9:18:35.73 UTC ML= 1.6  
 lat: 48.608N lon: 20.817E h= 0.7 km  
 erh= 2.5km erz=66.4km  
 nr= 6 gap=258 rms=0.30  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	28.1	240	Pg	9:18:40.52	-0.23
			Sg	18:44.26	-0.41
ABAH	46.7	138	Pg	9:18:44.06	-0.01

## Hypocenter Parameters

Sg 18:50.57 0.00  
 PSZ 102.8 222 Pg 9:18:54.62 0.53  
 Sg 19:08.33 -0.08

496.

2020-05-12 time: 10:21:18.58 UTC ML= 2.0  
 lat: 48.835N lon: 21.494E h= 0.0 km  
 erh= 1.9km erz= 1.6km  
 nr= 14 gap=185 rms=0.40  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	62.9	197	Pg	10:21:29.89	0.08
			Sg	21:38.13	-0.44
STHS	67.2	344	Pg	10:21:30.80	0.22
			Sg	21:40.17	0.24
KECS	84.0	242	Pg	10:21:33.35	-0.23
			Sg	21:46.48	1.20
NIE	107.9	307	Pg	10:21:37.57	-0.28
			Sg	21:52.38	-0.50
LANS	152.4	283	Pn	10:21:44.75	0.13
			Sn	22:04.49	-0.43
PSZ	156.4	229	Pn	10:21:45.76	0.65
			Sn	22:04.49	-1.31
LTVH	164.1	169	Pn	10:21:46.17	0.09
			Sn	22:07.34	-0.19

497.

2020-05-13 time: 7:51:48.59 UTC ML= 1.4  
 lat: 45.870N lon: 18.399E h= 0.0 km  
 erh= 0.8km erz= 126km  
 nr= 8 gap=254 rms=0.09  
 Locality: Kisharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	11.5	280	Pg	7:51:50.73	0.08
			Sg	51:51.98	-0.28
KOVH	33.6	316	Pg	7:51:54.64	0.05
			Sg	51:59.28	0.02
PKSM	42.4	26	PgU	7:51:56.17	0.00
			Sg	52:02.13	0.05
MORH	42.9	26	PgU	7:51:56.26	0.00
			Sg	52:02.18	-0.06

498.

2020-05-13 time: 8:11:42.99 UTC ML= 1.3  
 lat: 48.052N lon: 20.702E h= 0.0 km  
 erh= 3.7km erz= 4.1km  
 nr= 7 gap=200 rms=0.83  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.3	56	Pg	8:11:51.98	0.36
			Sg	11:57.40	-0.96
KECS	50.6	342	Sg	8:11:57.76	-1.31
PSZ	62.1	256	Pg	8:11:54.44	0.37
			Sg	12:01.99	-0.73
LANS	152.4	323	Sn	8:12:29.88	0.55
NIE	154.7	349	Sn	8:12:31.72	1.87

499.

2020-05-13 time: 8:21:30.86 UTC ML= 2.0  
 lat: 45.851N lon: 21.383E h= 19.2 km  
 erh= 4.2km erz= 2.6km  
 nr= 6 gap=204 rms=0.25  
 Locality: Romania  
 Comments:

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
BZS	31.8	145	Pg	8:21:37.72	0.24
			Sg	21:42.24	-0.41
BANR	55.5	200	P*	8:21:41.24	-0.01
GZR	120.0	115	Pn	8:21:50.47	0.07
DRGR	146.3	44	Pn	8:21:53.72	0.04
			Sn	22:10.46	-1.02

500.

2020-05-13 time: 9:55:19.58 UTC ML= 1.9  
 lat: 48.879N lon: 20.965E h= 0.0 km  
 erh= 1.6km erz= 2.1km  
 nr= 11 gap=144 rms=0.38  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	56.4	219	Pg	9:55:29.74	0.09
			Sg	55:37.68	0.17
STHS	63.2	19	Pg	9:55:30.64	-0.22
ABAH	67.9	163	Pg	9:55:31.96	0.25
			Sg	55:40.68	-0.49
NIE	76.6	322	Pg	9:55:33.36	0.10
			Sg	55:43.45	-0.48
LANS	113.6	285	Pg	9:55:40.10	0.23
PSZ	133.0	217	Sn	9:56:00.72	-0.90
OJC	171.3	330	Pn	9:55:48.73	0.75
			Sn	56:09.51	-0.62

501.

2020-05-13 time: 10:26:15.69 UTC ML= 1.5  
 lat: 46.789N lon: 17.378E h= 0.0 km  
 erh= 3.4km erz= 671km  
 nr= 8 gap=232 rms=0.48  
 Locality: Balatonederics  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	44.1	16	Pg	10:26:23.33	-0.23
			Sg	26:29.15	-0.56
PKST	72.2	44	Sg	10:26:39.69	1.04
KOVH	95.6	145	Pg	10:26:33.32	0.55
			Sg	26:45.87	-0.22
PKB4	99.3	109	Sg	10:26:47.29	0.02
MORH	116.2	123	Sg	10:26:52.23	-0.40
PKSM	116.3	123	Sg	10:26:52.30	-0.35

502.

2020-05-14 time: 5:20:57.12 UTC ML= 1.1  
 lat: 47.288N lon: 18.338E h= 0.0 km  
 erh= 0.5km erz= 120km  
 nr= 7 gap=150 rms=0.08  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.2	325	Pg	5:20:59.05	0.10
			Sg	20:59.97	-0.41
PKSG	12.2	19	Pg	5:20:59.32	0.01
			Sg	21:00.99	-0.02
PKST	23.2	262	Pg	5:21:01.24	-0.03
			Sg	21:04.50	-0.01
PKSM	121.8	169	Pg	5:21:18.87	-0.01

503.

2020-05-14 time: 7:31:53.33 UTC ML= 1.5  
 lat: 47.331N lon: 18.421E h= 0.0 km  
 erh= 1.3km erz= 2.7km  
 nr= 10 gap=113 rms=0.37  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.2	341	PgU	7:31:54.80	0.19
			Sg	31:55.23	-0.39
CSKK	12.7	287	Pg	7:31:55.94	0.35
			Sg	31:57.09	-0.27
PKST	30.3	255	Pg	7:31:59.03	0.29
			Sg	32:02.43	-0.54
MORH	125.1	172	Sg	7:32:32.51	-0.58
PKSM	125.5	172	Sg	7:32:33.42	0.20
PSZ	128.6	59	Sg	7:32:33.55	-0.65
KOVH	140.3	190	Sn	7:32:37.35	0.37

504.

2020-05-14 time: 8:29:16.31 UTC ML= 2.2  
 lat: 46.818N lon: 17.291E h= 0.0 km  
 erh= 2.0km erz= 2.5km  
 nr= 20 gap= 78 rms=0.84  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
EGYH	66.6	3	Sg	8:29:36.87	-0.62
PKST	74.8	49	Sg	8:29:38.78	-1.30
KOVH	102.2	143	Pg	8:29:35.17	0.61
			Sg	29:48.92	0.12
PKSG	105.0	53	Pg	8:29:36.27	1.21
			Sg	29:49.73	0.03
PKB4	106.7	110	Pg	8:29:36.42	1.06
			Sg	29:49.83	-0.39
SOP	111.0	330	Pg	8:29:37.12	0.99
			Sg	29:51.18	-0.41
RONA	123.6	322	Sg	8:29:54.65	-0.93
MORH	123.6	123	Sg	8:29:53.79	-1.80
PKSM	123.6	123	Sg	8:29:54.15	-1.46
PKSV	127.1	144	Sg	8:29:55.75	-0.96
SRO	135.0	35	Sn	8:29:59.17	0.39
GROS	142.6	254	Pn	8:29:41.14	0.02
			Sn	30:00.32	-0.16
ARSA	142.7	290	Sn	8:29:59.97	-0.53
ZAG	148.6	222	Sn	8:30:01.07	-0.73
PKB2	149.9	96	Sn	8:30:02.58	0.47

505.

2020-05-14 time: 9:19:09.80 UTC ML= 1.9  
 lat: 48.200N lon: 21.221E h= 0.0 km  
 erh= 3.2km erz= 793km  
 nr= 6 gap=158 rms=0.47  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	10.8	7	Pg	9:19:11.78	0.05
			Sg	19:13.12	-0.11
KECS	63.0	300	Pg	9:19:21.74	0.69
			Sg	19:29.05	-0.77
TRPA	98.3	94	Sg	9:19:40.57	-0.49
PSZ	103.7	252	Sg	9:19:42.67	-0.11



## Földrengés paraméterek

## Hypocenter Parameters

506.

2020-05-14 time: 15:59:39.38 UTC ML= 1.7  
 lat: 47.561N lon: 16.338E h= 0.0 km  
 erh= 1.8km erz= 2.5km  
 nr= 16 gap=103 rms=0.51  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	15.8	349	PgU	15:59:42.56	0.36
			Sg	59:44.77	0.37
SOP	21.5	51	PgU	15:59:43.51	0.29
			Sg	59:46.38	0.17
CONA	54.3	319	Pg	15:59:49.59	0.52
			Sg	59:56.72	0.08
ARSA	70.5	241	Pg	15:59:52.17	0.20
			Sg	16:00:00.16	-1.62
MODS	114.5	38	ePg	15:59:59.20	-0.62
			eSg	16:00:15.20	-0.56
PKST	132.4	105	Pn	15:60:03.11	0.19
SMOL	133.6	38	Pn	15:60:02.91	-0.17
GROS	137.8	207	Pn	15:60:04.18	0.59
SOKA	139.4	225	Pn	15:60:03.47	-0.33
KRUC	167.0	1	Pn	15:60:06.58	-0.66
			Sn	60:27.00	-1.97

507.

2020-05-14 time: 18:55:28.04 UTC ML= 1.5  
 lat: 47.340N lon: 18.488E h= 9.4 km  
 erh= 1.6km erz= 1.1km  
 nr= 23 gap=110 rms=0.45  
 Locality: Lovasberény  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	9.4	308	Pg	18:55:30.25	-0.15
			Sg	55:31.64	-0.61
CSKK	17.4	279	Pg	18:55:31.75	0.19
			Sg	55:34.67	0.36
PKST	35.4	255	Pg	18:55:34.58	-0.01
			Sg	55:38.63	-1.06
PKB1	65.9	159	Pg	18:55:39.63	-0.30
			Sg	55:49.05	-0.15
PKB5	84.9	167	Pg	18:55:43.39	0.10
			Sg	55:54.91	-0.28
PKS9	85.2	191	Pg	18:55:43.62	0.28
PKB2	93.6	142	Sg	18:55:57.67	-0.26
PKB4	94.2	175	Pg	18:55:45.40	0.47
			Sg	55:57.86	-0.25
PKS2	109.2	150	Pn	18:55:48.07	0.58
			Sn	56:02.10	-0.57
PKS6	116.1	135	Sn	18:56:03.79	-0.40
PSZ	123.8	59	Pn	18:55:49.56	0.25
			Sn	56:04.05	-1.85
MORH	125.5	175	Pn	18:55:50.07	0.55
			Sn	56:05.41	-0.87
PKSM	125.9	175	Pn	18:55:50.14	0.57
			Sn	56:05.39	-0.98

508.

2020-05-15 time: 8:22:24.56 UTC ML= 1.7  
 lat: 47.945N lon: 19.359E h= 0.0 km  
 erh= 2.7km erz= 3.9km  
 nr= 11 gap=104 rms=0.47  
 Locality: Magyaránador  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	18.2	199	Pg	8:22:28.26	0.46
			Sg	22:30.65	0.31
PSZ	40.1	94	Pg	8:22:32.03	0.31
			Sg	22:36.88	-0.43

BUD	57.2	206	Sg	8:22:42.46	-0.27
PKSG	95.3	230	Sg	8:22:54.89	0.05
KECS	102.9	54	Sg	8:22:56.83	-0.43
PKST	125.5	233	Pg	8:22:46.79	-0.18
			Sg	23:03.34	-1.11
LANS	134.2	3	Sn	8:23:07.80	0.93
MODS	162.0	287	eSn	8:23:12.40	-0.64

509.

2020-05-16 time: 8:58:33.50 UTC ML= 1.3  
 lat: 46.192N lon: 18.280E h= 0.0 km  
 erh= 1.3km erz= 5.8km  
 nr= 13 gap=121 rms=0.46  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.0	230	Pg	8:58:36.83	0.12
			Sg	58:39.23	0.01
PKSM	28.0	85	Pg	8:58:38.77	0.27
			Sg	58:42.09	-0.31
MORH	28.3	84	Pg	8:58:38.93	0.38
			Sg	58:42.30	-0.18
PKSV	33.7	184	Pg	8:58:39.39	-0.13
			Sg	58:43.83	-0.39
PKB4	42.1	36	Sg	8:58:46.45	-0.43
PKS9	44.0	360	Pg	8:58:42.20	0.85
			Sg	58:46.97	-0.50
PKST	120.1	351	Sg	8:59:10.91	-0.78
PKSG	133.7	4	Sn	8:59:14.08	-1.62

510.

2020-05-16 time: 19:27:31.77 UTC ML= 1.7  
 lat: 48.724N lon: 19.231E h= 17.0 km  
 erh= 4.7km erz= 4.2km  
 nr= 7 gap=162 rms=0.48  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
LANS	50.5	20	Pg	19:27:41.30	0.01
			Sg	27:48.15	-0.56
KECS	96.4	106	P*	19:27:49.08	0.50
			S*	28:01.27	-0.43
PSZ	102.2	151	Pn	19:27:49.78	0.41
			Sn	28:02.04	-1.07
MORC	169.8	314	Sn	19:28:18.02	-0.08

511.

2020-05-18 time: 8:39:57.39 UTC ML= 1.6  
 lat: 47.862N lon: 19.133E h= 0.0 km  
 erh= 3.0km erz= 628km  
 nr= 7 gap=189 rms=0.42  
 Locality: Nótincs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.7	126	Pg	8:39:59.90	0.07
			Sg	40:01.21	-0.52
PSZ	57.3	84	Pg	8:40:08.34	0.73
			Sg	40:15.37	-0.22
PKSG	76.5	227	Sg	8:40:21.44	-0.26
KECS	122.0	56	Pg	8:40:19.21	0.03
			Sg	40:35.55	-0.62

## Hypocenter Parameters

## Földrengés paraméterek

512.

2020-05-18 time: 8:59:28.16 UTC ML= 1.4  
 lat: 47.534N lon: 16.310E h= 0.0 km  
 erh= 2.6km erz= 3.8km  
 nr= 12 gap= 94 rms=0.68  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	18.5	357	PgU	8:59:32.23	0.77
			Sg	59:34.29	0.26
SOP	25.0	48	Pg	8:59:33.28	0.65
			Sg	59:35.39	-0.72
CONA	55.3	323	Sg	8:59:45.24	-0.49
MPLH	101.3	114	Sg	8:60:00.17	-0.20
MODS	118.1	38	Sg	8:60:04.96	-0.73
GROS	134.2	207	Sn	8:60:09.79	-0.67
PERS	134.8	222	Sn	8:60:09.84	-0.77
KRUC	170.0	2	Pn	8:59:56.76	0.36
			Sn	9:00:16.56	-1.86
KBA	229.9	257	Sn	8:60:32.61	0.90

513.

2020-05-18 time: 9:07:04.77 UTC ML= 1.7  
 lat: 48.475N lon: 19.359E h= 0.0 km  
 erh= 4.7km erz= 6.4km  
 nr= 10 gap=128 rms=1.01  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	73.6	147	Sg	9:07:28.02	-0.15
PENC	76.4	184	Sg	9:07:28.95	-0.09
KECS	83.3	89	Sg	9:07:30.37	-0.88
NIE	126.1	34	Pg	9:07:28.18	0.90
			Sg	07:44.09	-0.75
PKSG	140.5	211	Sn	9:07:46.46	-2.02
CSKK	148.4	214	Sn	9:07:50.14	-0.09
MODS	154.5	266	Pn	9:07:32.35	1.29
			Sn	07:50.17	-1.40
PKST	167.7	216	Sn	9:07:55.23	0.73

514.

2020-05-18 time: 9:43:38.01 UTC ML= 1.7  
 lat: 48.442N lon: 19.630E h= 0.0 km  
 erh= 3.2km erz= 563km  
 nr= 6 gap=223 rms=0.33  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	61.5	161	Pg	9:43:49.02	0.03
			Sg	43:57.33	-0.22
KECS	63.4	86	Pg	9:43:49.53	0.19
			Sg	43:58.20	0.03
NIE	119.6	25	Pg	9:43:59.45	0.08
			Sg	44:14.21	-1.82

515.

2020-05-18 time: 9:56:19.49 UTC ML= 1.1  
 lat: 47.221N lon: 18.248E h= 0.0 km  
 erh= ---km erz= ---km  
 nr= 4 gap=255 rms=0.05  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.8	3	Pg	9:56:22.38	0.06
			Sg	56:24.49	-0.03
PKST	16.7	285	Sg	9:56:24.77	-0.03

PKSG 21.8 30 Sg 9:56:26.37 -0.06

516.

2020-05-18 time: 11:01:57.89 UTC ML= 1.6  
 lat: 47.910N lon: 20.118E h= 0.0 km  
 erh= 5.4km erz= 4.0km  
 nr= 8 gap=183 rms=0.60  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	16.7	273	PgU	11:02:01.30	0.42
			Sg	02:03.86	0.65
PENC	64.0	258	Pg	11:02:09.06	-0.26
			Sg	02:18.45	0.22
KECS	69.3	23	ePg	11:02:09.90	-0.36
			eSg	02:16.80	-3.11*
ABAH	93.9	63	Sg	11:02:28.26	0.54
PKSG	142.0	246	Sn	11:02:40.51	-1.42

517.

2020-05-18 time: 11:04:22.73 UTC ML= 1.6  
 lat: 48.222N lon: 19.862E h= 0.0 km  
 erh= 6.6km erz= 9.2km  
 nr= 8 gap=152 rms=0.89  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	33.9	176	Pg	11:04:29.30	0.52
			Sg	04:34.12	0.62
KECS	54.5	58	Pg	11:04:33.00	0.53
			Sg	04:39.65	-0.42
PENC	64.7	222	Sg	11:04:42.46	-0.83
ABAH	102.6	85	Sg	11:04:53.88	-1.46
NIE	137.1	14	Pn	11:04:47.56	0.70
			Sn	05:03.62	-2.06

518.

2020-05-19 time: 5:19:05.69 UTC ML= 1.2  
 lat: 47.302N lon: 17.624E h= 0.0 km  
 erh= 1.2km erz= 2.7km  
 nr= 8 gap=159 rms=0.30  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	16.0	204	Pg	5:19:08.51	-0.05
			Sg	19:11.22	0.43
EGYH	25.5	300	Pg	5:19:10.66	0.41
			Sg	19:13.40	-0.41
PKST	31.4	99	Pg	5:19:11.37	0.07
			Sg	19:15.64	-0.03
RONA	109.4	294	Pg	5:19:25.00	-0.23
PKSM	144.0	147	Sn	5:19:49.43	-0.74

519.

2020-05-19 time: 7:21:45.10 UTC ML= 1.1  
 lat: 47.333N lon: 18.463E h= 0.0 km  
 erh= 1.7km erz= 4.5km  
 nr= 10 gap=115 rms=0.54  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.5	320	PgU	7:21:46.57	-0.06
			Sg	21:46.99	-0.82
CSKK	15.7	282	Pg	7:21:47.90	0.00
			Sg	21:49.48	-0.60
PKST	33.4	256	Pg	7:21:51.55	0.47

## Földrengés paraméterek

## Hypocenter Parameters

MORH 125.0 174 Sg 21:56.06 0.32  
 PKSM 125.4 174 Sg 7:22:24.49 -0.33  
 PSZ 125.8 59 Sg 7:22:25.73 0.65  
 KOVH 141.1 191 Sn 7:22:30.38 1.43

520.

2020-05-19 time: 8:06:03.78 UTC ML= 1.7  
 lat: 48.753N lon: 20.788E h= 0.0 km  
 erh= 7.6km erz=12.7km  
 nr= 6 gap=170 rms=1.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	37.4	217	Pg	8:06	11.27	0.82	
			Sg	06:14.71		-0.95	
ABAH	60.8	147	Sg	8:06	21.94	-1.16	
PSZ	114.0	216	Pg	8:06	26.05	1.91	
			Sg	06:37.81		-2.22	
OJC	178.2	336	Sn	8:06	54.72	-1.12	

521.

2020-05-19 time: 9:41:13.02 UTC ML= 1.4  
 lat: 48.447N lon: 19.564E h= 0.0 km  
 erh= 4.7km erz= 982km  
 nr= 7 gap=198 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	63.7	157	Pg	9:41	23.98	-0.42	
			Sg	41:33.36		0.08	
KECS	68.3	87	Pg	9:41	26.03	0.82	
			Sg	41:34.21		-0.52	
LANS	78.5	355	Sg	9:41	38.12	0.14	
NIE	121.2	27	Pg	9:41	34.91	0.25	
			Sg	41:49.55		-2.00	

522.

2020-05-19 time: 10:14:47.98 UTC ML= 1.6  
 lat: 48.894N lon: 20.596E h= 0.0 km  
 erh= 2.4km erz= 3.7km  
 nr= 10 gap=151 rms=0.47  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	46.4	190	Pg	10:14	56.00	-0.28	
			Sg	15:02.57		-0.18	
NIE	61.9	341	Pg	10:14	58.85	-0.18	
			Sg	15:06.84		-0.81	
STHS	74.9	39	ePg	10:15	02.00	0.65	
			eSg	15:08.00		-3.78*	
LANS	87.3	289	ePg	10:15	04.10	0.53	
			eSg	15:16.90		1.17	
PSZ	120.3	206	Pg	10:15	09.59	0.12	
			Sg	15:25.77		-0.46	
OJC	158.3	339	Sn	10:15	35.39	-0.24	

523.

2020-05-20 time: 4:50:57.84 UTC ML= 2.2  
 lat: 45.904N lon: 16.016E h= 7.1 km  
 erh= 1.3km erz= 1.1km  
 nr= 19 gap= 67 rms=0.42  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.5	264	Pg	4:50	59.39	0.05	

sta	dist	azm	phase	hr	mn	sec	res
ZAG	8.5	191	Pg	4:50	59.95	0.13	
			Sg	51:00.48		-0.88	
GCTIS	30.4	262	iPg	4:51	03.71	0.29	
			iSg	51:07.78		0.01	
GOLS	32.6	291	iPg	4:51	04.32	0.53	
CESS	43.5	280	iSg	4:51	11.96	0.10	
CRES	44.3	259	Pg	4:51	06.14	0.29	
			Sg	51:11.79		-0.30	
KOGS	63.1	17	Pg	4:51	09.52	0.34	
			Sg	51:17.44		-0.59	
GROS	73.5	327	Pg	4:51	11.06	0.03	
			Sg	51:20.10		-1.21	
SOKA	114.6	319	Pn	4:51	17.83	-0.43	
			Sn	51:30.87		-3.32*	
ARSA	154.3	346	Sn	4:51	43.68	0.67	
BLY	157.7	145	Sn	4:51	43.13	-0.64	
KOVH	162.8	83	Pn	4:51	24.24	-0.03	
PKSV	173.6	91	Sn	4:51	47.59	0.31	

524.

2020-05-20 time: 8:17:10.76 UTC ML= 2.0  
 lat: 47.336N lon: 18.424E h= 0.0 km  
 erh= 2.4km erz= 6.9km  
 nr= 16 gap=104 rms=1.15  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	6.7	338	PgU	8:17	11.90	-0.05	
			Sg	17:12.26		-0.62	
CSKK	12.7	284	Pg	8:17	13.58	0.55	
			Sg	17:15.04		0.24	
PKST	30.7	254	Sg	8:17	20.36	-0.15	
MPLH	69.4	255	Sg	8:17	31.30	-1.53	
PENC	82.0	52	Sg	8:17	37.18	0.37	
EGYH	83.0	276	Sg	8:17	37.59	0.46	
PKB5	85.8	164	Sg	8:17	40.00	1.98	
PKB4	94.4	172	Sg	8:17	40.30	-0.46	
MORH	125.7	172	Sg	8:17	49.38	-1.33	
PKSM	126.1	172	Sg	8:17	49.63	-1.21	
PSZ	128.1	60	Pg	8:17	34.27	0.64	
			Sg	17:49.83		-1.65	
KOVH	140.9	190	Sn	8:17	55.49	0.94	
MODS	143.8	323	e n	8:17	54.00	18.28	

525.

2020-05-20 time: 8:30:01.50 UTC ML= 1.6  
 lat: 48.418N lon: 17.180E h= 0.0 km  
 erh= 3.1km erz= 6.7km  
 nr= 9 gap=102 rms=0.89  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.7	125	Pg	8:30	03.58	0.52	
			Sg	30:04.89		0.61	
SMOL	21.2	60	Pg	8:30	05.20	-0.09	
			Sg	30:07.67		-0.58	
ZST	25.4	193	Pg	8:30	06.88	0.85	
			Sg	30:10.60		1.03	
KRUC	92.0	321	Sg	8:30	31.01	0.28	
RONA	103.6	220	Pg	8:30	18.48	-1.52	
PKST	143.9	154	Sn	8:30	44.26	-1.70	

526.

2020-05-20 time: 9:33:40.61 UTC ML= 0.6  
 lat: 47.271N lon: 18.239E h= 0.0 km  
 erh= 1.8km erz= 232km  
 nr= 6 gap=225 rms=0.16  
 Locality: Kincsesbánya  
 Comments: probably explosion

## Hypocenter Parameters

## Földregés paraméterek

sta	dist	azm	phase	hr mn sec	res
CSKK	10.4	9	Pg	9:33:42.33	-0.14
			Sg	33:43.66	-0.26
PKST	15.6	265	Pg	9:33:43.33	-0.06
			Sg	33:45.79	0.23
PKSG	17.7	40	Pg	9:33:43.86	0.10
			Sg	33:46.45	0.22

527.

2020-05-20 time: 9:57:34.13 UTC ML= 2.2  
 lat: 48.460N lon: 17.448E h= 0.0 km  
 erh= 2.3km erz= 1.8km  
 nr= 11 gap=218 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.2	347	PgU	9:57:35.55	0.32
			Sg	57:36.18	0.09
MODS	15.8	233	PgU	9:57:37.25	0.29
			Sg	57:39.90	0.73
ZST	38.9	221	Pg	9:57:41.05	-0.03
			Sg	57:46.14	-0.36
KRUC	102.3	311	Pg	9:57:52.36	-0.04
			Sg	58:05.52	-1.14
CONA	131.9	243	Sn	9:58:14.86	-1.07
MORC	146.6	3	Pn	9:57:59.65	0.20
			Sn	58:18.68	-0.52

528.

2020-05-20 time: 18:28:18.94 UTC ML= 2.1  
 lat: 45.879N lon: 16.080E h= 9.7 km  
 erh= 2.7km erz= 1.7km  
 nr= 33 gap= 85 rms=0.69  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	8.7	230	Pg	18:28:21.84	0.57
			Sg	28:23.16	0.08
PTJ	9.7	284	Pg	18:28:21.29	-0.11
			Sg	28:22.48	-0.84
GCIS	35.1	268	iPg	18:28:25.73	0.28
			iSg	28:29.70	-0.83
GOLS	38.2	293	iPg	18:28:26.23	0.25
			iSg	28:30.85	-0.63
CRES	48.7	263	iPg	18:28:27.77	-0.05
CESS	49.0	282	iPg	18:28:28.32	0.46
			iSg	28:34.15	-0.66
DOBS	56.0	302	iPg	18:28:29.33	0.23
SOKA	120.0	318	Pn	18:28:39.57	-0.13
			Sn	28:53.38	-2.50
OBKA	137.4	301	Pn	18:28:42.43	0.57
			Sn	28:59.11	-0.63
BLY	152.6	145	Pn	18:28:44.36	0.61
KOVH	158.3	82	Pn	18:28:44.43	-0.04
			Sn	29:02.69	-1.68
ARSA	158.3	344	Pn	18:28:45.61	1.14
			Sn	29:05.57	1.18
PKSV	168.7	90	Pn	18:28:45.73	-0.03
			Sn	29:04.73	-1.95
PKSM	201.7	79	Pn	18:28:48.09	-1.79
MORH	202.0	79	Pn	18:28:49.81	-0.11
RONA	203.1	5	Pn	18:28:51.69	1.64
			Sn	29:14.07	-0.25
CONA	228.4	356	Pn	18:28:54.12	0.90
			Sn	29:20.02	0.07
KBA	248.8	302	Pn	18:28:55.44	-0.31
			Sn	29:23.89	-0.57
MOA	259.1	328	Pn	18:28:57.59	0.56
			Sn	29:26.58	-0.17
KHC	407.7	332	ePn	18:29:16.40	0.83*

eSn 29:58.60 -1.14\*

529.

2020-05-21 time: 8:03:44.31 UTC ML= 1.0  
 lat: 47.196N lon: 18.303E h= 0.0 km  
 erh= 0.9km erz= 5.2km  
 nr= 9 gap=122 rms=0.24  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.9	350	Pg	8:03:47.61	-0.07
			Sg	03:49.79	-0.51
PKST	21.5	289	Pg	8:03:48.23	0.08
			Sg	03:51.12	-0.02
PKSG	22.8	17	Pg	8:03:48.64	0.27
			Sg	03:51.73	0.18
MORH	112.0	167	Sg	8:04:19.91	-0.01
PKSM	112.4	167	Sg	8:04:19.91	-0.13
PSZ	144.2	56	Sn	8:04:27.29	-1.55

530.

2020-05-21 time: 8:39:14.42 UTC ML= 1.5  
 lat: 48.554N lon: 20.834E h= 0.0 km  
 erh= 6.4km erz=11.2km  
 nr= 8 gap=114 rms=0.88  
 Locality: Hidvégardó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.9	253	Pg	8:39:19.05	-0.18
			Sg	39:22.20	-0.78
PSZ	99.3	225	Pg	8:39:33.01	0.85
			Sg	39:45.36	-0.63
STHS	100.5	17	Sg	8:39:45.82	-0.55
NIE	103.5	338	Pg	8:39:34.25	1.35
			Sg	39:46.14	-1.17
TRPA	134.9	110	Sn	8:39:55.94	-0.93

531.

2020-05-21 time: 9:07:00.20 UTC ML= 1.1  
 lat: 48.426N lon: 19.201E h= 0.0 km  
 erh= 4.3km erz= 8.1km  
 nr= 8 gap=111 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	28.0	286	Pg	9:07:05.49	0.28
			Sg	07:08.90	-0.21
PENC	71.0	175	Sg	9:07:20.86	-1.90
PSZ	76.5	138	Pg	9:07:14.96	1.10
			Sg	07:25.54	1.02
KECS	95.2	86	Pg	9:07:17.20	-0.01
NIE	137.2	36	Sg	07:29.82	-0.65
			Sn	9:07:41.37	-1.81

532.

2020-05-21 time: 9:24:18.26 UTC ML= 1.2  
 lat: 47.222N lon: 18.303E h= 0.0 km  
 erh= 1.6km erz= 601km  
 nr= 12 gap=148 rms=0.50  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.0	348	Pg	9:24:21.08	-0.04
			Sg	24:23.10	-0.26
PKSG	20.0	19	Pg	9:24:21.92	0.08
			Sg	24:24.62	-0.01

## Földrengés paraméterek

## Hypocenter Parameters

PKST 20.7 282 Pg 9:24:21.37 -0.59  
 Sg 24:24.63 -0.22  
 MPLH 58.1 264 Pg 9:24:29.58 0.94  
 Sg 24:37.17 0.44  
 MORH 114.8 167 Pg 9:24:39.35 0.59  
 Sg 24:54.34 -0.42  
 PKSM 115.2 167 Pg 9:24:38.61 -0.22  
 Sg 24:53.79 -1.09

533.

2020-05-21 time: 10:00:47.16 UTC ML= 2.0  
 lat: 48.251N lon: 21.208E h= 0.0 km  
 erh= 2.3km erz= 3.5km  
 nr= 13 gap= 98 rms=0.72  
 Locality: Abaujszántó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	59.4	296	Pg	10:00:58.07	0.30
			Sg	01:05.69	-0.36
UZH	90.7	62	Sg	10:01:16.98	0.97
TRPA	99.9	98	Pg	10:01:04.26	-0.74
			Sg	01:17.80	-1.12
PSZ	104.6	249	Pg	10:01:07.03	1.19
			Sg	01:19.24	-1.17
LTVH	109.4	152	Sg	10:01:22.58	0.65
STHS	129.7	1	ePg	10:01:10.20	-0.12
			eSg	01:28.90	0.52
NIE	145.6	333	Pn	10:01:12.40	0.05
			Sn	01:31.64	-0.35
VYHS	177.8	279	Sn	10:01:38.77	-0.37

534.

2020-05-22 time: 7:23:22.89 UTC ML= 1.2  
 lat: 47.523N lon: 18.640E h= 0.0 km  
 erh= 4.6km erz= 781km  
 nr= 8 gap=167 rms=0.57  
 Locality: Mány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	23.8	232	Pg	7:23:27.47	0.33
			Sg	23:30.41	-0.05
CSKK	33.7	238	Pg	7:23:28.83	-0.08
			Sg	23:33.11	-0.49
PKST	54.3	237	Sg	7:23:39.58	-0.59
PSZ	103.9	65	Sg	7:23:55.56	-0.35
VYHS	109.0	8	ePg	7:23:43.60	1.25
			eSg	23:56.50	-1.03

535.

2020-05-22 time: 8:52:48.96 UTC ML= 1.4  
 lat: 47.568N lon: 18.482E h= 0.0 km  
 erh= 2.0km erz= 2.7km  
 nr= 13 gap=105 rms=0.80  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	20.7	199	Pg	8:52:53.15	0.48
			Sg	52:55.64	0.08
CSKK	28.2	216	Pg	8:52:54.42	0.42
			Sg	52:57.83	-0.10
SRO	30.1	335	Sg	8:52:59.49	0.96
PKST	48.2	225	Pg	8:52:58.19	0.62
			Sg	53:03.68	-0.59
VYHS	106.3	14	Pg	8:53:08.47	0.52
PSZ	112.9	70	Sg	8:53:24.30	-0.54
MODS	127.0	315	Sg	8:53:27.76	-1.56
SMOL	131.3	323	Sn	8:53:28.32	-2.30
MORH	150.8	175	Sn	8:53:33.51	-1.44
PKSM	151.2	175	Sn	8:53:34.07	-0.98

536.

2020-05-22 time: 11:34:19.13 UTC ML= 1.7  
 lat: 48.942N lon: 21.359E h= 0.0 km  
 erh= 3.3km erz= 5.0km  
 nr= 6 gap=107 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	82.0	232	Sg	11:34:43.30	-1.90
NIE	92.9	305	Sg	11:34:48.49	-0.15
KWP	124.5	52	Sg	11:34:58.46	-0.25
TRPA	125.5	136	Pg	11:34:41.26	-0.27
PSZ	157.2	224	Pn	11:34:47.06	1.31
			Sn	35:07.42	0.89

537.

2020-05-22 time: 21:20:08.26 UTC ML=-0.2  
 lat: 47.392N lon: 18.245E h= 0.8 km  
 erh= 1.7km erz= 6.2km  
 nr= 6 gap=223 rms=0.03  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.4	159	Pg	21:20:08.90	0.01
			Sg	20:09.35	-0.03
PKSG	11.0	90	Pg	21:20:10.23	-0.01
			Sg	20:11.79	0.01
PKST	21.7	227	Pg	21:20:12.11	-0.03
			Sg	20:15.24	0.07

538.

2020-05-23 time: 1:25:39.79 UTC ML=-0.3  
 lat: 47.363N lon: 18.271E h= 2.8 km  
 erh= 8.5km erz= 2.6km  
 nr= 5 gap=166 rms=0.12  
 Locality: Csókakő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	0.8	269	Pg	1:25:40.31	0.00
			Sg	25:40.66	-0.05
PKSG	9.6	71	Pg	1:25:41.48	-0.10
			Sg	25:43.32	0.36
PKST	21.3	237	Sg	1:25:46.65	0.02

539.

2020-05-23 time: 3:13:54.48 UTC ML= 0.8  
 lat: 48.529N lon: 17.630E h= 12.1 km  
 erh= 3.0km erz= 2.8km  
 nr= 9 gap=134 rms=0.45  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SMOL	15.0	264	Pg	3:13:58.15	0.24
			Sg	14:00.31	-0.28
MODS	31.3	237	Pg	3:14:00.99	0.52
			Sg	14:04.83	-0.30
ZST	53.8	227	Pg	3:14:04.31	-0.02
			Sg	14:11.20	-0.81
VYHS	89.2	92	Pg	3:14:10.82	0.26
			Sg	14:21.38	-1.72
MORC	139.0	357	Sn	3:14:34.99	-0.11

## Hypocenter Parameters

## Földrengés paraméterek

540.

2020-05-25 time: 7:32:12.58 UTC ML= 1.5  
 lat: 47.094N lon: 18.037E h= 0.0 km  
 erh= 1.8km erz= 6.0km  
 nr= 15 gap=116 rms=0.60  
 Locality: Királyszentistván  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	18.4	359	Pg	7:32:15.16	-0.70
			Sg	32:17.09	-1.33
TIH	24.2	207	Pg	7:32:17.20	0.30
CSKK	34.4	29	Pg	7:32:19.30	0.57
			Sg	32:23.81	0.29
MPLH	38.7	283	Pg	7:32:19.68	0.19
			Sg	32:25.13	0.25
PKSG	42.6	39	Pg	7:32:20.15	-0.04
			Sg	32:26.87	0.74
MORH	108.1	155	Pg	7:32:32.10	0.21
			Sg	32:45.89	-1.06
PKSM	108.4	155	Pg	7:32:32.20	0.26
KOVH	111.9	178	Sg	7:32:46.41	-1.73
			ePn	7:32:40.70	0.28
VYHS	166.8	21	eSn	32:59.90	-2.22*

541.

2020-05-25 time: 7:38:31.53 UTC ML= 1.1  
 lat: 48.539N lon: 19.372E h= 0.0 km  
 erh= 2.6km erz= 924km  
 nr= 8 gap=103 rms=0.65  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	39.9	263	Pg	7:38:38.93	0.27
			Sg	38:43.41	-0.80
LANS	68.4	6	Pg	7:38:44.37	0.63
			Sg	38:52.31	-0.95
PSZ	79.2	151	Pg	7:38:46.46	0.79
			Sg	38:56.02	-0.68
KECS	82.5	94	Sg	7:38:57.09	-0.67
PENC	83.5	185	Sg	7:38:57.75	-0.33

542.

2020-05-25 time: 9:55:48.67 UTC ML= 0.6  
 lat: 48.481N lon: 19.580E h= 0.0 km  
 erh= 2.5km erz= 857km  
 nr= 6 gap= 96 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	55.0	272	Pg	9:55:59.23	0.74
			Sg	56:05.59	-0.56
PSZ	66.8	160	Sg	9:56:09.74	-0.16
KECS	67.0	90	Sg	9:56:10.07	0.12
LANS	74.9	354	Sg	9:56:12.16	-0.32
PENC	79.9	196	Sg	9:56:13.58	-0.49

543.

2020-05-25 time: 12:12:22.95 UTC ML= 1.0  
 lat: 47.838N lon: 19.818E h= 0.0 km  
 erh= 7.4km erz= 8.5km  
 nr= 6 gap=212 rms=0.95  
 Locality: Gyöngyöspata  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	10.6	33	Pg	12:12:25.12	0.28
			Sg	12:26.72	0.40

PENC	40.5	263	Sg	12:12:37.50	1.67
VYHS	103.2	315	eSg	12:12:54.10	-1.66
PKSG	118.2	245	Sg	12:13:00.03	-0.49
PKST	148.9	244	Sn	12:13:07.78	-0.74

544.

2020-05-25 time: 12:13:51.88 UTC ML= 1.1  
 lat: 47.810N lon: 19.844E h= 0.0 km  
 erh= 6.8km erz= 6.8km  
 nr= 8 gap=213 rms=0.93  
 Locality: Gyöngyöstarján  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	12.6	17	PgU	12:13:54.69	0.55
			Sg	13:56.27	0.37
PENC	42.2	267	Sg	12:14:06.60	1.30
KECS	88.8	33	eSg	12:14:19.30	-0.80
VYHS	106.8	315	eSg	12:14:23.30	-2.54
PKSG	118.8	247	Sg	12:14:29.45	-0.19
CSKK	129.1	247	Sg	12:14:33.01	0.10
PKST	149.4	246	Sn	12:14:37.19	-0.38

545.

2020-05-25 time: 22:58:48.34 UTC ML=-0.1  
 lat: 47.353N lon: 18.270E h= 2.6 km  
 erh= 1.1km erz= 0.8km  
 nr= 6 gap=175 rms=0.04  
 Locality: Csókakő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	1.4	328	PgU	22:58:48.92	0.05
			Sg	58:49.22	-0.05
PKSG	10.1	65	PgD	22:58:50.19	-0.01
			Sg	58:51.60	-0.05
PKST	20.7	240	Pg	22:58:52.09	0.03
			Sg	58:54.91	-0.05

546.

2020-05-25 time: 23:59:21.37 UTC ML= 1.5  
 lat: 47.345N lon: 18.277E h= 5.9 km  
 erh= 1.4km erz= 1.1km  
 nr= 28 gap= 68 rms=0.64  
 Locality: Csákberény  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.4	328	PgU	23:59:21.81	-0.69
			Sg	59:22.20	-1.18
PKSG	10.0	59	PgD	23:59:23.17	-0.27
			Sg	59:24.72	-0.34
PKST	20.7	242	Pg	23:59:24.87	-0.34
			Sg	59:27.83	-0.38
MPLH	59.1	251	Pg	23:59:32.11	0.13
			Sg	59:40.98	0.72
EGYH	71.8	276	Sg	23:59:44.16	-0.12
A338	74.7	4	Pg	23:59:34.96	0.21
PKS9	84.3	180	Pg	23:59:38.55	2.10
PKB4	97.6	165	Pg	23:59:39.27	0.45
			Sg	59:52.26	-0.18
PKB2	104.6	135	Pg	23:59:40.76	0.69
			Sg	59:54.88	0.21
PKS2	118.6	143	Pn	23:59:42.87	0.43
			Sn	59:58.55	-0.33
PKS6	128.3	130	Pn	23:59:44.09	0.44
			Sn	24:00:00.58	-0.44
MORH	128.6	167	Pn	23:59:43.27	-0.42
			Sn	59:59.03	-2.07
PKSM	129.0	168	Pn	23:59:43.42	-0.32
			Sn	59:59.00	-2.18
VYHS	134.4	18	Pn	23:59:44.98	0.57

## Földrengés paraméterek

PSZ 137.2 62 Sn 24:00:01.49 -0.89  
 Pn 23:59:45.38 0.62  
 KOVH 140.4 186 Sn 24:00:02.66 -0.35  
 Sn 23:60:03.69 -0.01

547.

2020-05-26 time: 0:02:05.39 UTC ML= 0.1  
 lat: 47.385N lon: 18.242E h= 1.0 km  
 erh= 3.3km erz= 8.2km  
 nr= 6 gap=218 rms=0.08  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.8	150	Pg	0:02:06.06	0.14
			Sg	02:06.29	-0.04
PKSG	11.2	86	Pg	0:02:07.39	-0.01
			Sg	02:08.87	-0.10
PKST	21.0	228	Pg	0:02:09.12	-0.03
			Sg	02:12.06	-0.02

548.

2020-05-26 time: 0:03:37.43 UTC ML=-0.1  
 lat: 47.382N lon: 18.258E h= 0.2 km  
 erh= 4.4km erz=38.9km  
 nr= 5 gap=213 rms=0.05  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.1	176	Pg	0:03:37.87	0.06
			Sg	03:38.03	-0.08
PKSG	10.1	84	Pg	0:03:39.19	-0.04
			Sg	03:40.67	0.04
PKST	21.8	231	Sg	0:03:44.36	0.00

549.

2020-05-26 time: 0:14:27.12 UTC ML= 0.5  
 lat: 47.887N lon: 16.309E h= 13.8 km  
 erh=12.8km erz=12.2km  
 nr= 6 gap=112 rms=0.34  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	20.8	183	PgU	0:14:31.82	0.24
			Sg	14:34.33	-0.73
CONA	33.7	278	Pg	0:14:33.94	0.31
			Sg	14:38.34	-0.36
A337	117.4	70	Sn	0:15:02.36	-0.17
KRUC	130.8	3	Sn	0:15:05.50	-0.03

550.

2020-05-26 time: 1:07:25.47 UTC ML=-0.2  
 lat: 47.384N lon: 18.247E h= 2.1 km  
 erh= 2.3km erz= 2.3km  
 nr= 5 gap=217 rms=0.04  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.6	157	Pg	1:07:26.06	0.00
			Sg	07:26.48	-0.04
PKSG	10.8	86	Pg	1:07:27.41	-0.03
			Sg	07:29.04	0.06
PKST	21.3	229	Sg	1:07:32.33	0.05

## Hypocenter Parameters

551.

2020-05-26 time: 7:56:28.56 UTC ML= 0.4  
 lat: 47.346N lon: 18.271E h= 0.0 km  
 erh= 1.2km erz= 265km  
 nr= 5 gap=181 rms=0.12  
 Locality: Csókakő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	2.0	338	Pg	7:56:28.87	-0.06
			Sg	56:29.33	0.12
PKSG	10.4	61	Pg	7:56:30.29	-0.13
			Sg	56:32.09	0.22
PKST	20.3	242	Sg	7:56:35.08	0.06

552.

2020-05-26 time: 7:58:47.55 UTC ML= 1.4  
 lat: 48.600N lon: 20.775E h= 0.0 km  
 erh= 1.7km erz= 3.3km  
 nr= 10 gap=114 rms=0.39  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.0	239	Pg	7:58:52.35	0.33
			Sg	58:55.51	0.00
ABAH	48.2	135	Pg	7:58:55.81	-0.35
			Sg	59:03.14	0.27
STHS	97.0	21	ePg	7:59:04.90	0.02
PSZ	100.1	221	Pg	7:59:05.64	0.21
			Sg	59:18.31	-1.07
LANS	113.8	303	Pg	7:59:07.82	-0.05
VYHS	143.7	265	Pn	7:59:12.86	0.36
			Sn	59:30.62	-1.34

553.

2020-05-26 time: 9:00:30.80 UTC ML= 1.2  
 lat: 47.676N lon: 18.761E h= 0.0 km  
 erh= 3.8km erz= 858km  
 nr= 6 gap=193 rms=0.50  
 Locality: Leányvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	29.2	137	Sg	9:00:40.17	0.10
PBUD	30.1	141	Sg	9:00:40.58	0.21
PENC	41.1	72	Sg	9:00:43.33	-0.52
PKSG	42.2	221	Pg	9:00:38.36	0.03
			Sg	00:43.02	-1.18
MPLH	108.0	239	Pg	9:00:50.62	0.54

554.

2020-05-26 time: 9:23:21.97 UTC ML= 1.3  
 lat: 47.854N lon: 19.088E h= 0.0 km  
 erh= 1.4km erz= 473km  
 nr= 9 gap=115 rms=0.37  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.1	116	Pg	9:23:25.13	0.29
			Sg	23:27.07	-0.02
PSZ	60.7	83	Pg	9:23:33.17	0.36
			Sg	23:40.60	-0.67
PKSG	73.4	226	Sg	9:23:45.44	0.14
VYHS	73.6	345	Sg	9:23:44.96	-0.40
PKST	103.3	230	Sg	9:23:54.39	-0.41
KECS	125.3	56	ePg	9:23:44.50	0.16
			eSg	24:00.70	-1.09

## Hypocenter Parameters

555.

2020-05-26 time: 9:25:07.01 UTC ML= 0.9  
 lat: 46.166N lon: 18.287E h= 0.0 km  
 erh= 1.5km erz= 379km  
 nr= 9 gap=120 rms=0.29  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	16.9	239	Pg	9:25:10.18	0.15
			Sg	25:12.86	0.48
PKSM	27.8	79	Pg	9:25:12.11	0.13
			Sg	25:15.68	-0.17
MORH	28.1	79	Pg	9:25:12.06	0.03
			Sg	25:15.91	-0.03
PKSV	31.0	185	Pg	9:25:12.58	0.03
			Sg	25:16.26	-0.60
PKS9	46.8	359	Sg	9:25:20.86	-1.03

556.

2020-05-27 time: 7:01:22.40 UTC ML= 1.4  
 lat: 48.297N lon: 21.515E h= 0.0 km  
 erh= 2.2km erz= 3.7km  
 nr= 8 gap=156 rms=0.53  
 Locality: Bodrogolaszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	79.0	285	Sg	7:01:48.09	0.57
MUKU	88.6	79	Sg	7:01:50.37	-0.18
STZU	114.3	46	Pg	7:01:42.54	-0.27
			Sg	01:58.11	-0.62
STHS	126.2	351	Sg	7:02:02.79	0.29
PSZ	127.8	251	Pg	7:01:45.55	0.32
			Sg	02:01.93	-1.10
NSLU	144.6	94	Sn	7:02:07.88	0.86

557.

2020-05-27 time: 8:44:12.21 UTC ML= 2.0  
 lat: 48.883N lon: 20.457E h= 0.0 km  
 erh= 4.0km erz= 7.0km  
 nr= 10 gap=133 rms=1.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	44.5	177	Pg	8:44:20.64	0.48
			Sg	44:26.33	-0.03
NIE	60.5	350	Sg	8:44:29.64	-1.79
LANS	78.2	292	Sg	8:44:37.58	0.52
STHS	82.6	44	Pg	8:44:26.07	-0.88
			Pg	8:44:33.44	0.68
PSZ	115.1	201	Sg	44:47.91	-0.88
			Sg	8:44:50.59	-1.96
VYHS	126.9	250	Pn	8:44:41.22	2.52
OJC	156.1	342	Sn	44:59.64	0.27

558.

2020-05-27 time: 8:45:21.84 UTC ML= 1.5  
 lat: 47.337N lon: 18.428E h= 0.0 km  
 erh= 1.2km erz= 426km  
 nr= 9 gap=113 rms=0.32  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.7	335	PgU	8:45:22.89	-0.15
			Sg	45:23.26	-0.72
CSKK	13.0	283	Pg	8:45:24.55	0.39
			Sg	45:26.01	0.04

## Földrengés paraméterek

PKST 31.0 254 Pg 8:45:27.65 0.28  
 Sg 45:31.39 -0.30  
 MORH 125.7 172 Sg 8:46:01.51 -0.28  
 PKSM 126.1 173 Sg 8:46:01.71 -0.21  
 PSZ 127.8 60 Sg 8:46:02.72 0.26

559.

2020-05-27 time: 9:22:01.17 UTC ML= 1.8  
 lat: 48.595N lon: 20.802E h= 0.0 km  
 erh= 2.2km erz= 2.5km  
 nr= 12 gap=122 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.5	242	Pg	9:22:06.38	0.48
			Sg	22:09.79	0.21
STHS	96.9	19	ePg	9:22:19.70	1.22
			eSg	22:31.90	-0.08
PSZ	101.0	222	Pg	9:22:19.51	0.30
			Sg	22:33.00	-0.28
LANS	115.7	302	Pg	9:22:21.85	0.01
			Sg	22:36.51	-1.45
STZU	141.7	71	Pn	9:22:26.43	0.55
			Sn	22:44.14	-1.01
VYHS	145.6	266	Sn	9:22:44.96	-1.04
BRIU	166.5	100	Sn	9:22:49.44	-1.21

560.

2020-05-27 time: 10:19:58.51 UTC ML= 1.3  
 lat: 47.537N lon: 16.284E h= 0.0 km  
 erh= 6.5km erz= \*\*\*km  
 nr= 6 gap=189 rms=0.87  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	18.1	3	PgU	10:20:02.91	1.16
			Sg	20:04.60	0.33
SOP	26.3	52	Sg	10:20:06.66	-0.20
CONA	53.8	324	Sg	10:20:15.16	-0.47
ARSA	65.7	241	Sg	10:20:18.79	-0.60
MODS	119.0	39	Sg	10:20:34.92	-1.42

561.

2020-05-27 time: 10:27:42.83 UTC ML= 1.3  
 lat: 48.481N lon: 19.556E h= 0.0 km  
 erh= 1.7km erz= 587km  
 nr= 8 gap=113 rms=0.42  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	53.3	272	Pg	10:27:52.77	0.43
			Sg	27:59.08	-0.67
PSZ	67.4	158	Pg	10:27:55.11	0.25
			Sg	28:03.54	-0.71
KECS	68.7	90	Pg	10:27:55.45	0.35
			Sg	28:04.30	-0.36
LANS	74.8	355	Sg	10:28:06.32	-0.27
NIE	118.1	28	Sg	10:28:20.19	-0.18

562.

2020-05-27 time: 10:28:29.88 UTC ML= 1.2  
 lat: 48.470N lon: 19.560E h= 0.0 km  
 erh= 2.9km erz= 644km  
 nr= 6 gap=176 rms=0.38  
 Locality: Slovakia  
 Comments: probably explosion



## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
VYHS	53.6	273	Pg	10:28:39.77	0.32
			Sg	28:46.43	-0.49
PSZ	66.2	158	Pg	10:28:42.01	0.31
			Sg	28:50.50	-0.42
KECS	68.4	89	Pg	10:28:42.21	0.11
			Sg	28:50.91	-0.72

563.

2020-05-27 time: 10:29:00.16 UTC ML= 1.2  
 lat: 48.466N lon: 19.547E h= 0.0 km  
 erh= 3.2km erz= 711km  
 nr= 6 gap=175 rms=0.42  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	52.6	273	Pg	10:29:09.97	0.41
			Sg	29:16.28	-0.61
PSZ	66.2	157	Pg	10:29:12.21	0.23
			Sg	29:20.91	-0.29
KECS	69.4	88	Pg	10:29:12.72	0.16
			Sg	29:21.37	-0.86

564.

2020-05-27 time: 22:05:34.95 UTC ML=-0.2  
 lat: 47.366N lon: 18.260E h= 3.7 km  
 erh= 7.0km erz= 0.9km  
 nr= 6 gap=199 rms=0.13  
 Locality: Csókakő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	0.3	172	Pg	22:05:35.61	0.01
			Sg	05:35.99	-0.12
PKSG	10.3	74	Pg	22:05:36.89	0.00
			Sg	05:38.57	0.16
PKST	20.8	235	Pg	22:05:38.58	-0.14
			Sg	05:42.01	0.35

565.

2020-05-28 time: 7:01:04.54 UTC ML= 1.0  
 lat: 47.320N lon: 18.318E h= 0.0 km  
 erh= 1.5km erz= 1.6km  
 nr= 9 gap=192 rms=0.32  
 Locality: Söréd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	6.4	318	Pg	7:01:05.85	0.16
			Sg	01:06.45	-0.13
PKSG	9.6	35	Pg	7:01:06.41	0.15
			Sg	01:08.11	0.51
PKST	22.5	252	Pg	7:01:08.32	-0.24
			Sg	01:11.89	0.19
PSZ	135.9	61	Sn	7:01:46.55	-0.67
VYHS	136.1	17	Pn	7:01:28.58	0.04
			Sn	01:45.83	-1.44

566.

2020-05-28 time: 8:01:57.72 UTC ML= 1.4  
 lat: 48.558N lon: 19.335E h= 0.0 km  
 erh= 2.1km erz= 708km  
 nr= 8 gap=109 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	37.6	259	Pg	8:02:04.80	0.37
			Sg	02:09.49	-0.18

sta	dist	azm	phase	hr mn sec	res
LANS	66.5	8	Sg	8:02:18.26	-0.62
PSZ	82.4	150	Pg	8:02:11.93	-0.51
			Sg	02:23.84	-0.08
KECS	85.4	96	Pg	8:02:13.86	0.89
			Sg	02:24.57	-0.29
PENC	85.5	183	Sg	8:02:24.75	-0.15

567.

2020-05-28 time: 8:25:06.41 UTC ML= 1.5  
 lat: 48.566N lon: 19.398E h= 0.0 km  
 erh= 2.0km erz= 4.4km  
 nr= 10 gap=105 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	42.2	259	Pg	8:25:14.58	0.63
			Sg	25:19.16	-0.68
LANS	65.2	5	Sg	8:25:27.61	0.47
KECS	80.9	97	Pg	8:25:20.48	-0.37
			Sg	25:33.10	0.99
PSZ	80.9	153	Sg	8:25:31.68	-0.44
PENC	86.6	186	Sg	8:25:33.51	-0.44
NIE	116.1	35	Pg	8:25:27.59	0.45
			Sg	25:42.16	-1.16
ABAH	139.6	102	Sn	8:25:49.57	-0.33

568.

2020-05-28 time: 8:54:46.98 UTC ML= 1.2  
 lat: 46.162N lon: 17.963E h= 0.0 km  
 erh= 3.4km erz= 752km  
 nr= 9 gap=200 rms=0.58  
 Locality: Horváthertelend  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	13.4	128	Pg	8:54:49.66	0.29
			Sg	54:50.95	-0.28
PKSV	37.8	144	Pg	8:54:54.12	0.40
			Sg	54:58.34	-0.64
PKSM	52.6	84	Pg	8:54:57.00	0.62
			Sg	55:02.68	-1.03
MORH	52.9	84	Pg	8:54:56.97	0.55
			Sg	55:03.08	-0.71
MPLH	116.6	344	Pg	8:55:07.15	-0.65

569.

2020-05-28 time: 9:11:08.21 UTC ML= 1.7  
 lat: 48.579N lon: 20.765E h= 0.0 km  
 erh= 2.4km erz= 4.4km  
 nr= 15 gap= 89 rms=0.93  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.3	243	Pg	9:11:12.54	0.18
			Sg	11:15.29	-0.31
ABAH	47.1	132	Pg	9:11:16.61	-0.01
			Sg	11:23.07	-0.12
PSZ	97.9	221	Pg	9:11:26.03	0.34
			Sg	11:38.70	-0.63
NIE	99.1	340	Pg	9:11:27.96	2.06
			Sg	11:39.00	-0.70
STHS	99.5	21	Sg	9:11:38.65	-1.18
UZH	112.8	87	Sg	9:11:43.23	-0.83
LANS	114.5	304	Pg	9:11:28.57	-0.08
			Sg	11:43.53	-1.06
TRPA	140.6	111	Pn	9:11:34.17	1.40
			Sn	11:49.74	-2.19
VYHS	142.8	266	Sn	9:11:51.98	-0.44

## Hypocenter Parameters

## Földrengés paraméterek

570.

2020-05-28 time: 9:28:17.90 UTC ML= 1.0  
 lat: 47.205N lon: 18.312E h= 0.0 km  
 erh= 2.0km erz= 704km  
 nr= 11 gap=151 rms=0.57  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.0	347	Pg	9:28:20.83			-0.29
			Sg	28:22.81			-0.82
PKSG	21.6	16	Pg	9:28:22.05			0.29
			Sg	28:25.31			0.54
PKST	21.9	286	Pg	9:28:21.39			-0.42
			Sg	28:24.59			-0.27
MPLH	58.7	266	Pg	9:28:29.07			0.68
			Sg	28:37.37			0.81
MORH	112.9	167	Sg	9:28:53.04			-0.74
PKSM	113.3	167	Pg	9:28:38.54			0.41
			Sg	28:52.74			-1.16

571.

2020-05-28 time: 9:36:36.40 UTC ML= 2.2  
 lat: 48.239N lon: 21.268E h= 0.0 km  
 erh= 1.7km erz= 1.7km  
 nr= 27 gap= 97 rms=0.74  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	6.6	342	PgU	9:36:37.86			0.28
			Sg	36:38.59			0.09
KECS	64.0	295	Pg	9:36:47.72			-0.10
			Sg	36:55.98			-0.75
TRPA	95.3	97	Pg	9:36:54.06			0.64
			Sg	37:06.28			-0.41
BERU	102.4	90	Pg	9:36:53.30			-1.38
LTVH	106.2	153	Pg	9:36:56.04			0.68
			Sg	37:11.14			0.99
MUKU	107.9	77	Pg	9:36:55.55			-0.11
			Sg	37:10.02			-0.66
PSZ	108.4	251	Pg	9:36:55.01			-0.74
			Sg	37:09.06			-1.79
BRIU	130.5	85	Sg	9:37:16.38			-1.49
STHS	130.9	359	Pn	9:37:00.66			0.91
			Sn	37:17.63			-0.34
STZU	132.1	49	Pn	9:37:00.04			0.15
			Sn	37:17.50			-0.72
KORU	139.0	94	Sn	9:37:19.37			-0.40
NIE	148.7	332	Pn	9:37:03.28			1.31
			Sn	37:21.55			-0.37
NSLU	162.8	92	Pn	9:37:04.28			0.56
			Sn	37:25.11			0.07
LANS	166.8	307	Sn	9:37:26.23			0.29
VYHS	182.4	279	Sn	9:37:30.73			1.33
DRGR	194.2	146	Pn	9:37:08.15			0.50
			Sn	37:31.60			-0.43

572.

2020-05-28 time: 14:40:00.48 UTC ML= 1.6  
 lat: 47.137N lon: 19.346E h= 0.0 km  
 erh= 7.4km erz= \*\*\*km  
 nr= 8 gap=182 rms=1.05  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKS7	17.3	235	Pg	14:40:04.51			0.94
			Sg	40:06.53			0.56
BUD	45.6	328	Sg	14:40:13.29			-1.69
PENC	72.8	356	Pg	14:40:15.07			1.59
PSZ	96.2	25	PgU	14:40:17.81			0.15

			Sg	40:29.19			-1.86
MORH	115.7	208	Pg	14:40:20.56			-0.58
PKSM	116.2	208	Pg	14:40:20.55			-0.67

573.

2020-05-29 time: 7:57:44.96 UTC ML= 1.2  
 lat: 47.891N lon: 19.086E h= 0.0 km  
 erh= 4.7km erz= 687km  
 nr= 5 gap=217 rms=0.36  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	18.4	127	Pg	7:57:48.17			-0.08
			Sg	57:50.23			-0.58
PSZ	60.5	87	Pg	7:57:56.21			0.44
			Sg	58:04.44			0.23
VYHS	69.6	345	Sg	7:58:06.70			-0.39

574.

2020-05-29 time: 10:45:30.15 UTC ML= 0.8  
 lat: 48.481N lon: 19.556E h= 0.0 km  
 erh= 2.8km erz= 827km  
 nr= 6 gap=113 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	53.2	272	Pg	10:45:40.07			0.42
			Sg	45:46.44			-0.62
PSZ	67.5	158	Pg	10:45:42.62			0.43
			Sg	45:50.76			-0.83
KECS	68.7	90	Sg	10:45:51.96			-0.04
LANS	74.7	355	Sg	10:45:53.59			-0.31

575.

2020-05-29 time: 10:46:32.29 UTC ML= 1.1  
 lat: 48.472N lon: 19.538E h= 0.0 km  
 erh= 2.5km erz= 757km  
 nr= 7 gap=116 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	51.9	273	Pg	10:46:41.95			0.38
			Sg	46:48.36			-0.44
PSZ	67.0	157	Pg	10:46:44.70			0.44
			Sg	46:52.84			-0.76
KECS	70.1	89	Pg	10:46:45.11			0.30
			Sg	46:53.55			-1.02
LANS	75.6	356	Sg	10:46:56.10			-0.24

576.

2020-05-29 time: 10:49:23.38 UTC ML= 1.1  
 lat: 48.456N lon: 19.555E h= 0.0 km  
 erh= 2.4km erz= 713km  
 nr= 6 gap=117 rms=0.45  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	53.3	275	Pg	10:49:33.56			0.65
			Sg	49:39.97			-0.36
PSZ	64.9	157	Sg	10:49:43.84			-0.18
			Pg	10:49:35.85			0.17
LANS	77.5	355	Sg	49:44.66			-0.62
			Sg	10:49:47.56			-0.45

## Földrengés paraméterek

## Hypocenter Parameters

577.

2020-05-30 time: 0:22:08.47 UTC ML=-0.2  
 lat: 47.358N lon: 18.268E h= 3.2 km  
 erh= 5.0km erz= 1.9km  
 nr= 6 gap=170 rms=0.08  
 Locality: Csókakő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	0.8	316	Pg	0:22:09.03	-0.03
			Sg	22:09.47	-0.04
PKSG	10.0	68	Pg	0:22:10.30	-0.04
			Sg	22:12.18	0.38
PKST	20.8	238	Pg	0:22:12.26	0.03
			Sg	22:15.16	0.00

578.

2020-06-01 time: 1:42:32.06 UTC ML=-0.4  
 lat: 47.310N lon: 18.287E h= 8.5 km  
 erh= 6.4km erz= 5.4km  
 nr= 6 gap=212 rms=0.21  
 Locality: Söréd  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	6.2	341	Pg	1:42:33.80	-0.14
			Sg	42:35.18	-0.23
PKSG	12.0	41	Pg	1:42:34.79	0.10
			Sg	42:36.99	0.25
PKST	19.9	253	Pg	1:42:35.79	-0.14
			Sg	42:39.42	0.47

579.

2020-06-01 time: 2:35:27.83 UTC ML= 1.4  
 lat: 45.536N lon: 17.555E h= 14.1 km  
 erh= 5.7km erz= 2.7km  
 nr= 13 gap=161 rms=0.80  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	66.9	54	Pg	2:35:39.89	-0.15
			Sg	35:47.86	-1.71
KOVH	74.6	35	Pg	2:35:41.94	0.56
			Sg	35:52.51	0.56
BLY	92.2	198	P*	2:35:44.72	0.44
			S*	35:55.43	-1.69
PKSM	112.9	48	Pn	2:35:47.26	0.12
			Sn	36:01.38	-0.83
MORH	113.4	48	Pn	2:35:47.43	0.23
			Sn	36:01.41	-0.90
PKB4	134.1	37	Pn	2:35:51.30	1.52
MPLH	181.7	360	Pn	2:35:55.37	-0.34
			Sn	36:16.76	-0.70

580.

2020-06-01 time: 8:54:24.36 UTC ML= 1.7  
 lat: 48.620N lon: 17.442E h= 0.0 km  
 erh= 2.6km erz= 2.3km  
 nr= 16 gap=126 rms=0.72  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	11.8	185	PgU	8:54:26.47	0.00
			Sg	54:26.94	-1.17
MODS	29.9	204	Pg	8:54:29.69	-0.02
			Sg	54:33.08	-0.80
VYHS	103.9	98	Sg	8:54:57.02	-0.35
SOP	123.1	212	Sg	8:55:00.88	-2.62

MORC	128.9	3	Pg	8:54:47.07	-0.31
RONA	133.2	220	Pn	8:54:48.61	0.61
			Sn	55:05.77	-0.66
CONA	140.3	237	Pn	8:54:49.01	0.13
			Sn	55:07.21	-0.80
PKST	157.6	164	Pn	8:54:51.97	0.92
			Sn	55:11.10	-0.76
MPLH	161.3	177	Sn	8:55:13.19	0.51
ARSA	209.1	223	Pn	8:54:57.85	0.38
			Sn	55:25.43	2.14

581.

2020-06-01 time: 9:16:35.51 UTC ML= 1.7  
 lat: 48.602N lon: 20.810E h= 0.0 km  
 erh= 1.8km erz= 2.4km  
 nr= 15 gap=93 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.3	241	Pg	9:16:40.64	0.25
			Sg	16:44.17	-0.03
ABAH	46.6	137	Pg	9:16:44.49	0.67
			Sg	16:49.51	-0.80
STHS	96.0	19	Pg	9:16:53.22	0.57
			Sg	17:05.03	-0.99
PSZ	102.0	222	Pg	9:16:54.22	0.50
			Sg	17:07.07	-0.85
LANS	115.8	302	Pg	9:16:56.22	0.03
			Sg	17:11.27	-1.05
TRPA	138.5	112	Pn	9:16:59.95	0.14
			Sn	17:17.38	-1.38
PENC	145.1	232	Sn	9:17:20.28	0.05
VYHS	146.2	265	Pn	9:17:01.28	0.51
			Sn	17:19.20	-1.28

582.

2020-06-01 time: 9:31:32.64 UTC ML= 1.8  
 lat: 45.966N lon: 22.749E h= 0.0 km  
 erh= 2.2km erz= 5.0km  
 nr= 18 gap=112 rms=0.89  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	15.1	128	Sg	9:31:36.42	-1.03
GZR	63.7	178	Pg	9:31:44.52	0.49
			Sg	31:52.87	-0.04
MARR	83.8	20	PgC	9:31:48.21	0.59
			Sg	31:59.00	-0.29
DRGR	91.8	358	Pg	9:31:49.17	0.14
			Sg	31:58.84	-2.97
BZS	96.3	246	Pg	9:31:50.30	0.46
			Sg	32:00.27	-2.98
LOT	98.2	126	PgD	9:31:50.73	0.56
			Sg	32:03.60	-0.24
CJR	105.7	38	Pg	9:31:52.01	0.50
HERR	123.4	192	PgC	9:31:54.79	0.10
			Sg	32:09.80	-2.08
TNR	123.5	106	PgC	9:31:55.07	0.37
			Sg	32:10.70	-1.20
ARR	161.2	114	PnC	9:32:00.86	1.08
			Sn	32:21.20	0.25

583.

2020-06-01 time: 10:31:09.32 UTC ML= 1.6  
 lat: 46.854N lon: 22.853E h= 0.0 km  
 erh= 5.7km erz= 3.3km  
 nr= 6 gap=305 rms=0.23  
 Locality: Romania  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
DRGR	12.9	237	PgU	10:31:11.56	-0.05
			Sg	31:13.71	0.31
GZR	162.5	182	Pn	10:31:36.90	0.29
			Sn	31:57.55	-0.35
BZS	167.4	215	Pn	10:31:37.10	-0.12
			Sn	31:58.69	-0.29

584.

2020-06-01 time: 17:24:30.98 UTC ML= 2.2  
 lat: 47.828N lon: 17.211E h= 10.7 km  
 erh= 1.0km erz= 1.1km  
 nr= 52 gap= 60 rms=0.66  
 Locality: Jánossomorja  
 Comments: felt 4 EMS

sta	dist	azm	phase	hr mn sec	res
EGYH	46.6	169	Pg	17:24:40.32	0.81
			Sg	24:46.32	0.15
SOP	51.5	252	PgD	17:24:40.73	0.35
			Sg	24:47.01	-0.70
MODS	60.9	5	Pg	17:24:42.25	0.24
			Sg	24:49.12	-1.49
A337	63.3	43	PgD	17:24:42.98	0.55
			Sg	24:51.75	0.38
RONA	70.1	258	PgD	17:24:43.73	0.10
			Sg	24:52.40	-1.11
SMOL	77.9	12	Pg	17:24:46.19	1.17
			Sg	24:55.43	-0.55
SRO	82.5	91	PgU	17:24:45.57	-0.27
			Sg	24:57.16	-0.27
A338	87.8	76	Pg	17:24:46.65	-0.12
			Sg	24:58.26	-0.83
PKST	88.6	136	PgD	17:24:47.58	0.67
			Sg	24:57.72	-1.61
CSKK	94.3	123	Pg	17:24:47.48	-0.45
			Sg	24:58.98	-2.17
PKSG	101.1	119	P*	17:24:48.91	-0.19
			S*	25:01.03	-2.20
CONA	101.6	276	P*	17:24:49.04	-0.13
			S*	25:01.62	-1.75
VYHS	141.7	59	Pn	17:24:53.38	-0.94
			Sn	25:13.42	0.90
ARSA	142.4	243	Pn	17:24:54.75	0.35
			Sn	25:13.30	0.63
KRUC	149.9	336	Pn	17:24:55.27	-0.06
			Sn	25:13.42	-0.91
PENC	155.1	92	Pn	17:24:56.59	0.60
PKS9	159.9	150	Pn	17:24:57.00	0.41
PKB1	166.6	134	Pn	17:24:57.73	0.31
PKB5	179.3	140	Pn	17:24:59.08	0.09
PKB4	181.9	145	Pn	17:24:59.43	0.11
GROS	199.8	220	Pn	17:25:01.82	0.26
			Sn	25:25.53	0.12
KOVH	204.9	161	PnD	17:25:02.14	-0.05
MORH	209.8	149	PnU	17:25:02.62	-0.18
PKSM	210.0	149	PnU	17:25:02.62	-0.21
PKB3	216.9	136	Pn	17:25:04.09	0.41
MORC	218.1	6	Sn	17:25:28.92	-0.54
MOA	220.5	271	Pn	17:25:04.59	0.45
			Sn	25:29.48	-0.52
LANS	222.4	49	ePn	17:25:06.60	2.23
PKSV	229.8	160	Pn	17:25:05.48	0.19
OBKA	249.5	234	Pn	17:25:07.67	-0.08
			Sn	25:36.27	-0.17
KRLC	251.9	353	Pn	17:25:08.88	0.83
			Sn	25:38.56	1.59
BIOA	268.3	267	Pn	17:25:10.46	0.36
			Sn	25:39.78	-0.84
KBA	303.3	254	Pn	17:25:14.50	0.04*
			Sn	25:48.16	-0.22*

585.

2020-06-02 time: 6:47:56.53 UTC ML= 1.4  
 lat: 48.072N lon: 20.690E h= 0.0 km  
 erh= 3.2km erz= 4.2km  
 nr= 6 gap=195 rms=0.60  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.8	59	Sg	6:48:11.62	-0.12
KECS	48.1	342	Pg	6:48:05.57	0.44
			Sg	48:11.47	-0.37
PSZ	61.8	254	Pg	6:48:08.11	0.54
			Sg	48:15.73	-0.45
VYHS	145.4	289	Sn	6:48:39.84	-1.48

586.

2020-06-02 time: 7:55:30.04 UTC ML= 1.4  
 lat: 47.343N lon: 18.428E h= 0.0 km  
 erh= 1.4km erz= 2.2km  
 nr= 12 gap=113 rms=0.43  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.1	332	PgU	7:55:31.36	0.23
			Sg	55:32.08	0.10
CSKK	12.9	280	PgU	7:55:32.69	0.35
			Sg	55:33.70	-0.43
PKST	31.2	253	Pg	7:55:35.69	0.07
			Sg	55:39.41	-0.56
MORH	126.4	173	Sg	7:56:10.01	-0.22
PKSM	126.8	173	Sg	7:56:10.07	-0.29
PSZ	127.4	60	Sg	7:56:09.73	-0.81
VYHS	131.5	13	Pn	7:55:54.03	0.55
			Sn	56:10.36	-1.39
KOVH	141.8	190	Sn	7:56:14.26	0.23

587.

2020-06-02 time: 8:29:11.05 UTC ML= 0.6  
 lat: 48.373N lon: 19.061E h= 0.0 km  
 erh= 2.2km erz= 5.8km  
 nr= 7 gap= 97 rms=0.85  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	21.4	309	Pg	8:29:15.22	0.35
			Sg	29:18.67	0.82
PENC	66.9	166	Sg	8:29:32.83	0.52
PSZ	80.1	129	Sg	8:29:35.85	-0.65
LANS	91.5	19	Sg	8:29:39.28	-0.84
KECS	106.2	83	Sg	8:29:45.29	0.50
PKST	145.8	212	Sn	8:29:53.27	-2.67

588.

2020-06-02 time: 9:26:49.89 UTC ML= 1.0  
 lat: 47.099N lon: 18.012E h= 0.0 km  
 erh= 1.8km erz= 568km  
 nr= 10 gap=135 rms=0.46  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	17.8	6	Pg	9:26:52.39	-0.68
			Sg	26:55.40	-0.15
CSKK	34.8	33	Pg	9:26:56.71	0.60
			Sg	27:00.78	-0.19
MPLH	36.7	282	Pg	9:26:56.92	0.48
			Sg	27:01.74	0.19

## Földrengés paraméterek

## Hypocenter Parameters

PKSG 43.4 41 Pg 9:26:57.97 0.34  
 Sg 27:03.16 -0.51  
 KOVH 112.6 177 Pg 9:27:09.88 -0.12  
 Sg 27:24.95 -0.73

589.

2020-06-02 time: 10:52:58.11 UTC ML= 1.2  
 lat: 48.354N lon: 19.845E h= 0.0 km  
 erh= 3.1km erz= 837km  
 nr= 6 gap=151 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	48.6	176	Pg	10:53:07.05			0.27
			Sg	53:13.20			-0.35
KECS	49.5	73	Pg	10:53:06.65			-0.30
			Sg	53:13.93			0.08
VYHS	76.3	282	Pg	10:53:12.33			0.60
			Sg	53:21.26			-1.10

590.

2020-06-03 time: 7:38:10.30 UTC ML= 1.7  
 lat: 46.861N lon: 22.882E h= 0.0 km  
 erh= 1.5km erz= 1.7km  
 nr= 20 gap= 69 rms=0.64  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	15.1	240	Pg	7:38:13.25			0.26
			Sg	38:15.66			0.57
MARR	27.4	139	PgC	7:38:15.07			-0.12
			Sg	38:18.40			-0.60
MESR	32.6	9	Sg	7:38:21.40			0.75
CJR	57.1	107	Sg	7:38:28.32			-0.14
LTVH	94.5	308	Sg	7:38:38.81			-1.54
TRPA	143.5	350	Sn	7:38:53.62			-1.05
GZR	163.3	183	Pn	7:38:38.26			0.57
			Sn	38:58.64			-0.42
BZS	169.2	215	Pn	7:38:38.16			-0.27
			Sn	39:00.40			0.02
LOT	171.4	156	PnC	7:38:39.60			0.90
			Sn	39:00.10			-0.75
BURA	195.7	65	PnC	7:38:42.46			0.72
			Sn	39:05.80			-0.46
ARR	214.2	141	PnC	7:38:44.69			0.65
			Sn	39:09.40			-0.96
HERR	223.0	189	PnC	7:38:45.88			0.75
			Sn	39:11.40			-0.91

591.

2020-06-03 time: 8:15:14.80 UTC ML= 1.3  
 lat: 47.576N lon: 18.435E h= 0.0 km  
 erh= 1.7km erz= 532km  
 nr= 9 gap=140 rms=0.41  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	20.7	189	Sg	8:15:21.63			0.26
CSKK	27.0	209	Pg	8:15:19.85			0.23
			Sg	15:22.95			-0.44
BUD	45.5	103	Sg	8:15:29.44			0.18
PKST	46.4	221	Sg	8:15:29.39			-0.15
PENC	67.9	69	Sg	8:15:35.40			-0.99
MPLH	81.3	236	Sg	8:15:40.49			-0.14
VYHS	106.4	16	Sg	8:15:48.53			-0.09
PSZ	115.9	71	Sg	8:15:52.40			0.76

592.

2020-06-03 time: 8:54:41.22 UTC ML= 0.9  
 lat: 47.204N lon: 18.309E h= 0.0 km  
 erh= 1.9km erz= 3.4km  
 nr= 9 gap=131 rms=0.40  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.1	348	Pg	8:54:44.82			0.36
			Sg	54:46.27			-0.71
PKST	21.7	286	Pg	8:54:45.05			-0.05
			Sg	54:47.54			-0.59
PKSG	21.8	16	Pg	8:54:45.20			0.09
			Sg	54:48.56			0.41
MPLH	58.5	266	Sg	8:55:00.47			0.66
KOVH	125.0	187	Sg	8:55:20.67			-0.30
PSZ	143.3	56	Sn	8:55:25.10			-0.45

593.

2020-06-03 time: 9:11:21.40 UTC ML= 1.7  
 lat: 48.686N lon: 18.672E h= 0.0 km  
 erh= 3.1km erz= 3.7km  
 nr= 21 gap= 77 rms=1.34  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	24.6	150	Pg	9:11:24.98			-0.81
			Sg	11:28.04			-1.16
LANS	77.9	48	Pg	9:11:36.46			1.14
			Sg	11:46.16			-0.01
SMOL	93.7	258	Pg	9:11:38.38			0.25
			Sg	11:50.17			-1.01
SRO	100.6	195	Sg	9:11:52.47			-0.91
MODS	108.7	251	Pg	9:11:43.67			2.86
			Sg	11:55.26			-0.69
PENC	109.4	156	Pg	9:11:41.39			0.45
			Sg	11:54.59			-1.58
PSZ	124.6	133	Pg	9:11:44.79			1.15
			Sg	11:59.64			-1.35
NIE	145.0	56	Sn	9:12:05.11			-1.00
PKSG	145.4	188	Pn	9:11:48.23			1.66
			Sn	12:04.03			-2.17
MORC	146.6	326	Pn	9:11:45.50			-1.21
			Sn	12:03.31			-3.14
PKST	165.7	197	Pn	9:11:50.46			1.37
			Sn	12:09.88			-0.81
OJC	189.1	26	Sn	9:12:16.16			0.27

594.

2020-06-03 time: 9:33:22.53 UTC ML= 1.4  
 lat: 48.607N lon: 20.769E h= 0.0 km  
 erh= 1.7km erz= 3.8km  
 nr= 9 gap=116 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.0	237	Pg	9:33:27.36			0.37
			Sg	33:31.40			0.92
ABAH	49.0	135	Pg	9:33:31.21			-0.07
			Sg	33:37.54			-0.58
STHS	96.6	21	ePg	9:33:40.40			0.63
			eSg	33:52.60			-0.62
PSZ	100.4	220	Pg	9:33:40.17			-0.28
			Sg	33:54.18			-0.25
VYHS	143.2	265	Sn	9:34:05.53			-1.31

## Hypocenter Parameters

## Földrengés paraméterek

595.

2020-06-03 time: 9:37:33.38 UTC ML= 1.4  
 lat: 48.500N lon: 17.456E h= 0.0 km  
 erh= 4.1km erz= 5.1km  
 nr= 11 gap=133 rms=1.08  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	2.6	308	Pg	9:37:33.58			-0.25
			Sg		37:34.10		-0.09
MODS	19.3	223	Pg	9:37:37.59			0.77
			Sg		37:40.30		0.80
KRUC	99.9	309	Pg	9:37:51.41			0.19
			Sg		38:04.74		-0.40
VYHS	102.0	90	Sg	9:38:03.95			-1.85
			Sg	9:38:11.86			-0.93
RONA	124.0	224	Sg	9:38:11.86			-0.93
CONA	134.5	242	Sn	9:38:13.80			-1.94
MORC	142.2	3	Pn	9:38:00.13			1.99
			Sn		38:16.61		-0.84

596.

2020-06-03 time: 9:39:22.41 UTC ML= 0.6  
 lat: 47.222N lon: 18.263E h= 0.0 km  
 erh= 1.4km erz= 336km  
 nr= 7 gap=138 rms=0.23  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	15.7	359	Pg	9:39:25.30			0.08
			Sg		39:27.19		-0.21
PKST	17.8	283	Pg	9:39:25.78			0.20
			Sg		39:27.82		-0.24
PKSG	21.2	27	Pg	9:39:26.38			0.18
			Sg		39:29.02		-0.14
PKSM	116.0	166	Sg	9:39:58.57			-0.70

597.

2020-06-03 time: 9:56:46.88 UTC ML= 1.0  
 lat: 48.057N lon: 20.293E h= 0.0 km  
 erh= 7.4km erz= \*\*\*km  
 nr= 5 gap=173 rms=0.57  
 Locality: Mikófalva  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	33.5	243	Pg	9:56:52.36			-0.50
			Sg		56:58.59		1.06
KECS	49.5	17	Pg	9:56:55.37			-0.34
			Sg		57:03.35		0.74
ABAH	75.2	69	Sg	9:57:10.86			0.07

598.

2020-06-03 time: 12:30:38.10 UTC ML= 0.9  
 lat: 48.377N lon: 18.515E h= 0.0 km  
 erh= 2.5km erz= 867km  
 nr= 8 gap=129 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	27.1	61	Pg	12:30:43.46			0.53
			Sg		30:46.98		0.28
A338	42.1	197	Sg	12:30:51.70			0.24
MODS	91.7	270	Pg	12:30:55.03			0.55
			Sg		31:06.46		-0.79
PKSG	110.0	185	Sg	12:31:12.33			-0.72
LANS	110.9	39	Sg	12:31:12.13			-1.21
PSZ	114.6	116	Sg	12:31:14.22			-0.31

599.

2020-06-03 time: 12:32:18.30 UTC ML= 0.9  
 lat: 48.338N lon: 18.532E h= 0.0 km  
 erh= 1.8km erz= 4.4km  
 nr= 12 gap=114 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	28.4	52	Pg	12:32:23.74			0.37
			Sg		32:27.96		0.63
PENC	82.6	137	Sg	12:32:44.63			0.06
SMOL	84.0	283	Sg	12:32:44.22			-0.76
MODS	93.1	272	Pg	12:32:35.99			1.08
			Sg		32:47.54		-0.34
PKSG	105.7	186	Sg	12:32:51.45			-0.46
PSZ	111.7	115	Pg	12:32:38.50			0.26
			Sg		32:53.26		-0.53
LANS	113.6	37	Sg	12:32:52.86			-1.54
PKST	125.6	197	Sg	12:32:57.78			-0.45
KECS	145.5	84	Sn	12:33:02.50			-0.62

600.

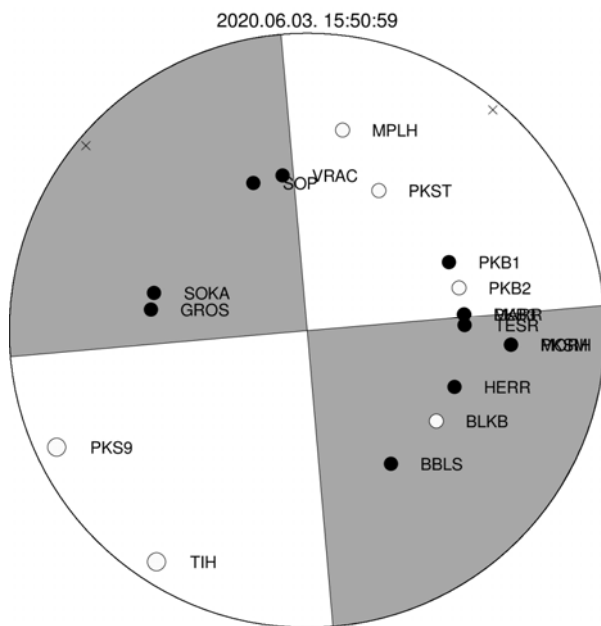
2020-06-03 time: 15:50:59.94 UTC ML= 3.5  
 lat: 46.278N lon: 17.301E h= 12.3 km  
 erh= 1.7km erz= 1.5km  
 nr= 73 gap= 61 rms=1.01  
 Locality: Somogyuszob  
 Comments: felt 4 EMS

sta	dist	azm	phase	hr	mn	sec	res
BEHE	45.7	298	Pg	15:51:08.63			0.24
			Sg		51:15.23		0.24
KOVH	65.2	109	Pg	15:51:12.23			0.45
			Sg		51:20.63		-0.39
PKS9	82.6	65	PgD	15:51:14.73			-0.12
			Sg		51:27.35		0.86
TIH	82.7	33	PgD	15:51:14.19			-0.67
KOGS	83.0	283	Pg	15:51:14.85			-0.08
			Sg		51:25.07		-1.55
PKSV	85.4	120	Pg	15:51:15.92			0.58
			Sg		51:26.23		-1.13
MPLH	100.8	10	P*D	15:51:16.69			-1.17
PKB4	103.1	76	S*	51:30.01			-1.84
			P*	15:51:17.86			-0.35
PKSM	103.6	94	S*	51:32.30			-0.17
			P*U	15:51:18.03			-0.26
MORH	103.8	94	S*	51:31.42			-1.19
			P*U	15:51:18.06			-0.26
PTJ	112.1	248	Pn	15:51:19.32			-0.05
			Sn		51:33.42		-1.10
ZAG	112.8	244	Pn	15:51:20.59			1.13
			Sn		51:34.27		-0.42
PKB5	115.7	72	Pn	15:51:19.23			-0.60
			Sn		51:34.21		-1.13
PKST	122.6	27	PnD	15:51:20.55			-0.13
			Sn		51:35.37		-1.49
EGYH	126.6	1	Pn	15:51:21.95			0.77
PKB1	127.5	64	PnU	15:51:20.54			-0.75
			Sn		51:36.36		-1.59
GROS	139.9	278	PnU	15:51:22.21			-0.63
			Pn		15:51:23.51		0.52
CSKK	141.1	31	Sn	51:40.75			-0.22
			Pn	15:51:23.51			0.52
DOBS	142.1	264	iPn	15:51:22.54			-0.57
PKB3	146.7	84	iSn	51:42.45			1.27
			PnD	15:51:23.43			-0.25
PKS2	149.0	81	Sn	51:41.16			-1.04
			Pn	15:51:24.31			0.34
PKSG	149.1	34	Sn	51:42.31			-0.41
			Pn	15:51:23.83			-0.16
CRES	151.3	251	Pn	15:51:24.13			-0.13
PKB2	155.4	74	PnD	15:51:24.35			-0.42

Földrengés paraméterek

Hypocenter Parameters

PKS7	166.0	59	Pn	15:51:25.36	-0.74
			Sn	51:48.71	2.21
SOP	166.1	340	PnU	15:51:27.01	0.90
			Sn	51:46.22	-0.30
BLY	170.2	183	Pn	15:51:27.50	0.88
			Sn	51:50.73	3.30
PERS	172.5	283	Pn	15:51:26.49	-0.41
ARSA	173.6	309	Pn	15:51:26.82	-0.22
A339	174.5	9	Pn	15:51:29.93	2.77
RONA	175.5	334	Pn	15:51:27.09	-0.19
PKS6	177.6	78	Pn	15:51:27.01	-0.53
			Sn	51:53.22	4.15
SOKA	179.8	284	PnU	15:51:27.18	-0.63
PBUD	185.6	45	Pn	15:51:31.83	3.30
			Sn	51:53.96	3.12
SRO	187.2	24	Pn	15:51:32.20	3.46
			Sn	51:55.02	3.82
BUD	187.6	44	Pn	15:51:30.18	1.39
PKSN	208.4	71	Pn	15:51:30.96	-0.42
			Sn	52:02.79	6.89*
A338	208.9	22	Pn	15:51:32.38	0.94
OBKA	213.2	277	Pn	15:51:31.64	-0.34
			Sn	51:58.81	1.83
CONA	213.5	329	Pn	15:51:31.90	-0.12
PENC	225.7	42	Pn	15:51:38.30	4.77
MODS	233.0	360	Pn	15:51:39.79	5.35
FRGS	233.1	123	Pn	15:51:35.04	0.59
SMOL	248.7	2	Pn	15:51:35.37	-1.04
VYHS	272.3	25	Pn	15:51:39.14	-0.20
MYKA	283.9	278	Pn	15:51:41.13	0.34
			Sn	52:13.69	1.04
MOA	289.3	307	Pn	15:51:41.77	0.31
			Sn	52:13.08	-0.77*
BBLS	315.2	148	PnU	15:51:46.19	1.50*
KBA	315.5	286	Pn	15:51:45.62	0.89*
KRUC	316.9	348	Pn	15:51:44.11	-0.79*
BIOA	319.9	299	Pn	15:51:46.03	0.75*
			Sn	52:19.85	-0.80*
VRAC	341.1	351	PnC	15:51:49.12	1.20*
BZS	342.6	102	Pn	15:51:48.53	0.42*
LANS	358.4	27	ePn	15:52:01.50	11.42*
ABTA	371.2	278	Pn	15:51:52.44	0.76*
			Sn	52:33.52	1.48*
MORC	389.4	3	Pn	15:51:54.39	0.44*
			Sn	52:34.74	-1.34*
NIE	415.7	33	Sn	15:52:42.14	0.24*
DRGR	419.0	82	Pn	15:51:57.01	-0.62*
			Sn	52:40.50	-2.14*
KRLC	424.0	355	Pn	15:51:59.99	1.73*
			Sn	52:44.00	0.25*
HERR	428.4	111	PnC	15:51:59.76	0.95*
GZR	436.7	103	Pn	15:52:00.49	0.65*
WTTA	446.3	284	Pn	15:52:01.94	0.89*
			Sn	52:49.64	0.93*
TRPA	447.1	63	Pn	15:52:16.90	15.76*
MARR	449.0	84	PnC	15:52:01.30	-0.08*
WATA	452.5	285	Pn	15:52:02.59	0.77*
			Sn	52:50.00	-0.08*
STHS	457.0	40	Pn	15:52:02.23	-0.15*
			Sn	52:50.72	-0.36*
OJC	475.9	23	Sn	15:52:51.34	-3.93*
SQTA	477.2	283	Pn	15:52:05.44	0.55*
			Sn	52:57.81	2.25*
MOTA	487.7	284	Pn	15:52:06.82	0.62*
			Sn	52:59.52	1.64*
FETA	509.8	279	Pn	15:52:09.80	0.84*
			Sn	53:04.36	1.55*
BLKB	516.7	125	PnD	15:52:10.78	0.96*
TESR	719.4	88	PnC	15:52:34.57	-0.53*



601.

2020-06-03 time: 15:55:42.70 UTC ML= 1.9  
 lat: 46.329N lon: 17.264E h= 10.0 km  
 erh= 2.9km erz= 2.4km  
 nr= 18 gap=153 rms=0.83  
 Locality: Somogyszob  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	40.7	293	Sg	15:55:56.93			0.90
KOGS	79.1	280	Sg	15:56:06.40			-1.65
PKS9	83.0	70	Pg	15:55:58.28			0.65
			Sg	56:09.83			0.55
PKSV	90.7	123	Pg	15:55:59.48			0.48
			Sg	56:11.03			-0.68
MPLH	95.8	13	Sg	15:56:12.31			-1.01
PKB4	104.6	80	S*	15:56:14.77			-1.26
PKSM	106.9	97	P*	15:56:00.68			-1.10
			S*	56:14.85			-1.81
PKB5	116.8	75	Pn	15:56:12.31			0.86
			Sn	56:18.42			-0.45
PKST	118.9	30	Pn	15:56:03.85			0.57
			Sn	56:18.71			-0.62
PKB1	127.6	67	Pn	15:56:04.93			0.57
			Sn	56:21.28			0.02
GROS	136.4	276	Pn	15:56:05.83			0.38
PKB3	148.9	86	Sn	15:56:26.76			0.77

602.

2020-06-04 time: 7:15:54.81 UTC ML= 1.9  
 lat: 48.242N lon: 21.269E h= 0.0 km  
 erh= 2.0km erz= 2.8km  
 nr= 14 gap= 98 rms=0.70  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	6.4	340	PgU	7:15:55.53			-0.42
			Sg	15:56.65			-0.19
KECS	63.9	295	Pg	7:16:06.31			0.08
			Sg	16:13.79			-1.35
TRPA	95.3	97	Pg	7:16:11.27			-0.55
			Sg	16:24.92			-0.17
LTVH	106.4	154	Sg	7:16:29.07			0.43
PSZ	108.6	251	Pg	7:16:14.60			0.40

## Hypocenter Parameters

STHS 130.6 359 Sg 16:28.87 -0.45  
 ePn 7:16:18.50 0.36  
 eSn 16:38.40 2.07  
 NIE 148.5 332 Pn 7:16:22.14 1.78  
 Sn 16:39.60 -0.69  
 LANS 166.7 307 Sn 7:16:44.90 0.57

603.

2020-06-04 time: 8:01:57.18 UTC ML= 2.0  
 lat: 46.834N lon: 17.334E h= 0.0 km  
 erh= 3.4km erz= 7.7km  
 nr= 13 gap= 98 rms=0.99  
 Locality: Lesencefalu  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	40.5	23	Pg	8:02:03.93	-0.48
			Sg	02:09.85	-0.19
EGYH	64.8	360	Sg	8:02:18.07	0.29
PKST	71.1	48	Sg	8:02:19.25	-0.54
PKS9	77.3	111	Sg	8:02:24.64	2.90
CSKK	91.7	50	Pg	8:02:15.47	1.92
			Sg	02:26.47	0.16
KOGS	93.4	243	Sg	8:02:27.23	0.35
PKSG	101.3	52	Pg	8:02:15.11	-0.17
			Sg	02:28.36	-1.03
KOVH	101.7	145	Pg	8:02:14.17	-1.16
			Sg	02:29.20	-0.29
ARSA	145.2	289	Sn	8:02:41.72	-0.21

604.

2020-06-04 time: 8:16:36.15 UTC ML= 1.6  
 lat: 46.028N lon: 22.832E h= 0.0 km  
 erh= 2.3km erz= 4.9km  
 nr= 15 gap=110 rms=0.80  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.0	161	Pg	8:16:39.86	0.67
			Sg	16:42.56	1.01
GZR	70.7	184	Pg	8:16:48.91	0.14
			Sg	16:58.35	-0.26
MARR	75.3	17	PgC	8:16:50.42	0.81
DRGR	85.4	354	Pg	8:16:52.01	0.61
			Sg	17:01.87	-1.43
CJR	96.3	38	PgD	8:16:54.11	0.76
			Sg	17:05.70	-1.07
LOT	97.4	131	PgC	8:16:53.00	-0.54
			Sg	17:05.90	-1.20
BZS	104.9	244	Pg	8:16:55.17	0.28
			Sg	17:08.23	-1.28
HERR	131.6	194	PnD	8:16:59.64	0.05
			Sn	17:16.00	-1.87

605.

2020-06-04 time: 8:19:25.96 UTC ML= 1.5  
 lat: 46.052N lon: 22.915E h= 0.0 km  
 erh= 3.1km erz= 7.2km  
 nr= 11 gap=123 rms=0.71  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.8	183	Pg	8:19:30.01	0.69
			Sg	19:31.98	0.04
MARR	71.1	13	Sg	8:19:47.80	-0.76
GZR	74.0	188	Pg	8:19:39.50	0.32
			Sg	19:48.05	-1.44
DRGR	83.7	349	Pg	8:19:41.39	0.49
			Sg	19:52.04	-0.52
LOT	94.5	135	Sg	8:19:55.90	-0.10

## Földrengés paraméterek

BZS 111.9 244 Pg 8:19:46.51 0.56  
 Sg 19:58.78 -2.75  
 HERR 135.9 197 PnD 8:19:49.36 -0.58

606.

2020-06-04 time: 8:24:32.41 UTC ML= 1.5  
 lat: 46.005N lon: 22.823E h= 0.0 km  
 erh= 2.6km erz= \*\*\*km  
 nr= 15 gap=109 rms=0.90  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	14.9	155	Pg	8:24:35.56	0.50
			Sg	24:37.46	0.33
GZR	68.0	183	Pg	8:24:44.99	0.43
			Sg	24:54.33	0.30
MARR	78.0	17	PgD	8:24:45.30	-1.04
			Sg	24:54.20	-3.01
DRGR	87.9	354	Pg	8:24:48.97	0.87
			Sg	24:57.95	-2.40
LOT	96.2	130	PgC	8:24:49.94	0.35
			Sg	25:02.50	-0.50
CJR	98.8	37	Sg	8:25:04.93	1.11
BZS	103.2	245	Pg	8:24:51.32	0.49
			Sg	25:04.93	-0.28
HERR	128.9	194	PgD	8:24:55.28	-0.14
			Sg	25:11.90	-1.47

607.

2020-06-04 time: 9:17:45.43 UTC ML= 2.3  
 lat: 45.625N lon: 17.306E h= 0.0 km  
 erh= 2.3km erz= 3.4km  
 nr= 22 gap= 93 rms=0.95  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	79.2	68	Pg	9:18:00.01	0.43
			Sg	18:10.46	-0.15
KOVH	80.3	50	Pg	9:18:00.18	0.41
			Sg	18:11.62	0.66
BLY	97.9	186	Pg	9:18:03.38	0.47
			Sg	18:15.34	-1.20
BEHE	102.5	336	Pg	9:18:05.14	1.41
			Sg	18:19.67	1.67
PTJ	109.2	286	Pg	9:18:04.86	-0.07
			Sg	18:19.12	-1.02
PKSM	122.4	58	Pg	9:18:06.43	-0.86
			Sg	18:22.77	-1.57
KOGS	122.6	318	Pg	9:18:07.66	0.33
			Sg	18:23.08	-1.33
MORH	122.8	58	Pg	9:18:06.67	-0.69
			Sg	18:23.01	-1.46
PKB4	139.5	46	Pn	9:18:10.41	0.55
			Sn	18:28.55	-0.36
CRES	145.6	279	Pn	9:18:10.15	-0.47
			Sn	18:28.88	-1.39
FRGS	203.6	106	Pn	9:18:20.37	2.52
			Sn	18:46.54	3.41

608.

2020-06-04 time: 9:40:42.99 UTC ML= 1.0  
 lat: 47.203N lon: 18.281E h= 0.0 km  
 erh= 3.3km erz= 356km  
 nr= 5 gap=267 rms=0.16  
 Locality: Csőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.9	355	Pg	9:40:46.35	0.17
			Sg	40:48.37	-0.31



## Földrengés paraméterek

PKST 19.7 289 Pg 9:40:46.38 -0.12  
 Sg 40:49.38 0.14  
 PKSG 22.6 22 Sg 9:40:50.21 0.03

609.

2020-06-04 time: 11:45:40.89 UTC ML= 1.6  
 lat: 48.342N lon: 19.819E h= 0.0 km  
 erh= 1.8km erz= 3.0km  
 nr= 11 gap=101 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	47.5	173	Pg	11:45:49.32	-0.05
			Sg	45:55.94	-0.04
KECS	51.8	72	Pg	11:45:49.93	-0.21
			Sg	45:57.26	-0.10
VYHS	74.7	283	Pg	11:45:55.33	1.11
			Sg	46:03.67	-0.95
A338	114.9	252	Sg	11:46:16.19	-1.23
NIE	125.1	17	Pg	11:46:03.17	-0.06
			Sg	46:20.37	-0.29
STHS	158.8	41	Sn	11:46:29.22	0.58
CSKK	159.5	227	Sn	11:46:29.53	0.72

610.

2020-06-04 time: 13:27:59.05 UTC ML= 1.2  
 lat: 48.582N lon: 20.789E h= 0.0 km  
 erh= 4.1km erz= 2.8km  
 nr= 7 gap=205 rms=1.01  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.0	244	Pg	13:28:04.02	0.52
			Sg	28:07.27	0.29
ABAH	46.0	134	Pg	13:28:08.66	1.39
			Sg	28:13.26	-0.42
PSZ	99.3	222	Sg	13:28:29.72	-0.88
TRPA	139.1	111	Sn	13:28:40.86	-1.57
VYHS	144.6	266	Sn	13:28:42.42	-1.23

611.

2020-06-04 time: 22:07:41.57 UTC ML= 1.6  
 lat: 48.465N lon: 22.270E h= 8.4 km  
 erh= 4.3km erz= 2.1km  
 nr= 7 gap=241 rms=0.38  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	42.2	152	Pg	22:07:49.28	0.02
			Sg	07:54.81	-0.45
ABAH	78.6	256	Pg	22:07:55.45	-0.24
			Sg	08:07.26	0.56
LTVH	123.2	193	Sn	22:08:19.76	0.24
KECS	132.0	271	Pn	22:08:04.38	0.40
			Sn	08:20.67	-0.79

612.

2020-06-04 time: 23:44:51.17 UTC ML= 0.2  
 lat: 47.352N lon: 18.266E h= 1.6 km  
 erh= 4.1km erz= 4.1km  
 nr= 6 gap=175 rms=0.07  
 Locality: Csókakő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	1.3	340	Pg	23:44:51.61	0.06
			Sg	44:51.84	0.00

## Hypocenter Parameters

PKSG 10.4 65 Pg 23:44:52.97 -0.08  
 Sg 44:54.55 0.04  
 PKST 20.4 239 Pg 23:44:54.88 0.06  
 Sg 44:57.55 -0.12

613.

2020-06-05 time: 6:29:16.33 UTC ML= 2.0  
 lat: 48.431N lon: 17.227E h= 0.0 km  
 erh= 1.2km erz= 3.7km  
 nr= 14 gap= 99 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.4	149	Pg	6:29:17.72	0.07
			Sg	29:18.94	0.27
SMOL	17.6	58	Pg	6:29:19.25	-0.22
			Sg	29:22.03	0.12
ZST	27.7	199	Pg	6:29:21.04	-0.23
			Sg	29:25.14	0.02
A337	46.6	116	Pg	6:29:25.22	0.57
			Sg	29:30.76	-0.38
KRUC	93.1	319	Pg	6:29:33.31	0.35
			Sg	29:45.63	-0.30
RONA	106.9	220	Pg	6:29:35.22	-0.19
			Sg	29:51.34	1.04
CONA	115.9	241	Sg	6:29:51.73	-1.44
MPLH	142.1	171	Sn	6:29:59.06	-1.33

614.

2020-06-05 time: 8:37:51.40 UTC ML= 1.7  
 lat: 48.424N lon: 19.097E h= 0.0 km  
 erh= 2.2km erz= 3.0km  
 nr= 20 gap= 56 rms=1.09  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	20.8	292	Pg	8:37:55.85	0.74
			Sg	37:58.94	0.93
A338	71.6	231	Sg	8:38:14.79	0.63
			Pg	8:38:14.32	0.11
PENC	71.8	169	Sg	8:38:14.32	0.11
			Pg	8:38:07.73	1.74
PSZ	81.7	133	Pg	8:38:07.73	1.74
			Sg	38:17.22	-0.16
LANS	85.2	19	Sg	8:38:17.58	-0.91
SRO	89.5	221	Sg	8:38:19.23	-0.63
KECS	102.9	86	Pg	8:38:09.53	-0.25
			Sg	38:23.15	-0.96
SMOL	123.8	275	Sg	8:38:29.79	-0.95
			Sg	8:38:30.27	-1.29
CSKK	133.5	208	Sn	8:38:31.28	-2.27
			Pn	8:38:16.06	0.81
MODS	134.9	268	Sn	38:32.13	-1.72
			Pn	8:38:16.81	0.67
NIE	142.1	39	Sn	38:34.12	-1.33
			Pn	8:38:36.20	-1.46
ABAH	159.4	95	Pn	8:38:19.83	1.52
MORC	188.5	323	Sn	8:38:44.20	-1.54

615.

2020-06-05 time: 9:49:37.08 UTC ML= 1.7  
 lat: 48.204N lon: 21.202E h= 0.0 km  
 erh= 3.9km erz= 4.2km  
 nr= 10 gap=157 rms=0.83  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	10.6	15	Pg	9:49:39.06	0.09
			Sg	49:40.04	-0.41
KECS	61.5	300	Pg	9:49:48.61	0.55
			Sg	49:56.49	-0.14

## Hypocenter Parameters

## Földrengés paraméterek

TRPA 99.8 95 Sg 9:50:08.10 -0.70  
 PSZ 102.5 252 Pg 9:49:55.72 0.34  
 Sg 50:07.19 -2.47  
 NIE 150.1 334 Sn 9:50:20.99 -1.91  
 LANS 165.5 309 Sn 9:50:26.68 0.35  
 VYHS 178.3 280 Pn 9:50:07.25 0.90

616.

2020-06-05 time: 16:18:44.62 UTC ML= 1.5  
 lat: 47.577N lon: 16.329E h= 0.0 km  
 erh= 1.3km erz= 2.0km  
 nr= 17 gap= 79 rms=0.50  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	13.9	350	Pg	16:18:47.35	0.25
			Sg	18:49.91	0.88
SOP	21.0	56	Pg	16:18:48.22	-0.14
			Sg	18:51.02	-0.26
CONA	52.5	318	Pg	16:18:54.43	0.44
			Sg	19:01.06	-0.24
ARSA	70.8	239	Sg	16:19:07.30	0.19
EGYH	77.7	103	Sg	16:19:09.44	0.14
MPLH	102.0	116	Sg	16:19:17.58	0.53
MODS	113.5	39	Pg	16:19:04.82	-0.06
			Sg	19:19.53	-1.15
KOGS	125.6	183	Sg	16:19:24.10	-0.44
GROS	139.0	207	Sn	16:19:27.53	-0.47
PERS	139.3	221	Sn	16:19:28.90	0.85
SOKA	140.2	225	Pn	16:19:09.44	0.31
			Sn	19:27.06	-1.19
KRUC	165.2	2	Pn	16:19:11.75	-0.50
			Sn	19:30.88	-2.93*

617.

2020-06-06 time: 8:37:41.03 UTC ML= 0.8  
 lat: 46.213N lon: 18.279E h= 0.0 km  
 erh= 1.9km erz= 548km  
 nr= 9 gap=135 rms=0.41  
 Locality: Kisbattyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.6	225	Pg	8:37:44.72	0.19
			Sg	37:47.50	0.23
PKSM	27.9	90	Pg	8:37:46.39	0.37
			Sg	37:49.79	-0.12
MORH	28.2	89	Pg	8:37:46.56	0.50
			Sg	37:49.31	-0.67
PKSV	36.1	183	Pg	8:37:47.25	-0.23
			Sg	37:52.03	-0.49
PKS9	41.6	360	Sg	8:37:53.48	-0.76

618.

2020-06-06 time: 21:52:05.03 UTC ML= 0.9  
 lat: 45.992N lon: 18.968E h= 0.3 km  
 erh= 4.7km erz= 612km  
 nr= 11 gap=239 rms=0.61  
 Locality: Dávod  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	35.1	314	Pg	21:52:11.44	0.13
			Sg	52:16.36	0.16
MORH	35.3	315	Pg	21:52:11.41	0.08
			Sg	52:16.16	-0.09
PKSV	56.7	258	Pg	21:52:15.40	0.24
			Sg	52:22.33	-0.73
PKS2	58.7	19	Pg	21:52:15.01	-0.50
			Sg	52:22.72	-0.96
PKB4	62.7	333	Pg	21:52:17.57	1.35

Sg 52:25.33 0.38  
 KOVH 68.1 279 Sg 21:52:25.73 -0.93

619.

2020-06-08 time: 7:14:59.89 UTC ML= 1.4  
 lat: 48.066N lon: 20.677E h= 0.0 km  
 erh= 2.7km erz= 586km  
 nr= 6 gap=196 rms=0.40  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.5	343	Pg	7:15:08.44	-0.11
			Sg	15:14.86	-0.44
ABAH	49.0	59	Pg	7:15:09.05	0.41
			Sg	15:15.11	-0.36
PSZ	60.7	254	Pg	7:15:11.14	0.41
			Sg	15:18.52	-0.66

620.

2020-06-08 time: 8:19:13.41 UTC ML= 1.7  
 lat: 47.859N lon: 19.808E h= 0.0 km  
 erh= 3.7km erz= 4.1km  
 nr= 17 gap=140 rms=1.11  
 Locality: Gyöngyöspata  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	9.2	44	Pg	8:19:15.39	0.32
			Sg	19:17.50	1.15
PENC	40.2	259	Sg	8:19:27.46	1.28
KECS	85.8	36	Pg	8:19:30.28	1.55
			Sg	19:39.78	-0.90
VYHS	101.1	314	Pg	8:19:31.72	0.26
			Sg	19:44.17	-1.37
ABAH	117.2	65	Pg	8:19:33.73	-0.61
			Sg	19:47.89	-2.78
PKSG	118.5	244	Pg	8:19:34.60	0.02
			Sg	19:49.41	-1.68
CSKK	128.8	245	Sg	8:19:53.18	-1.16
PKST	149.2	243	Sn	8:19:58.15	-0.91
PKB4	176.9	211	Sn	8:20:04.38	-0.81
NIE	177.4	12	Sn	8:20:06.33	1.01
MORH	202.9	206	Sn	8:20:12.69	1.71
PKSM	203.4	206	Sn	8:20:12.57	1.48

621.

2020-06-08 time: 8:23:33.89 UTC ML= 1.5  
 lat: 47.357N lon: 18.406E h= 0.0 km  
 erh= 2.4km erz= 4.9km  
 nr= 14 gap=111 rms=0.87  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.0	344	PgU	8:23:34.87	0.26
			Sg	23:35.17	0.00
CSKK	11.0	274	PgU	8:23:36.08	0.22
			Sg	23:38.06	0.68
PKST	30.1	249	Pg	8:23:39.50	0.23
			Sg	23:42.58	-0.89
PSZ	128.1	61	Pg	8:23:57.62	0.85
			Sg	24:13.71	-0.91
MORH	128.2	172	Sg	8:24:12.76	-1.87
PKSM	128.6	172	Sg	8:24:13.36	-1.41
VYHS	130.4	14	Pg	8:23:57.09	-0.10
			Sg	24:13.56	-1.80
KOVH	143.0	189	Pn	8:24:00.36	1.61
			Sn	24:17.80	-0.34

## Földrengés paraméterek

## Hypocenter Parameters

622.  


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 2020-06-08 time: 8:24:25.28 UTC ML= 1.5  
 lat: 47.329N lon: 18.430E h= 0.0 km  
 erh= 1.5km erz= 2.7km  
 nr= 12 gap=113 rms=0.49  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.5	337	Pg	8:24:26.60	-0.02
			Sg	24:26.92	-0.76
CSKK	13.3	286	Pg	8:24:27.90	0.25
			Sg	24:29.76	0.25
PKST	30.9	255	Pg	8:24:30.97	0.18
			Sg	24:34.71	-0.39
MORH	124.9	172	Sg	8:25:04.73	-0.23
PKSM	125.3	173	Sg	8:25:04.68	-0.42
PSZ	128.1	59	Pg	8:24:49.13	0.98
			Sg	25:05.58	-0.42
VYHS	133.0	13	Sn	8:25:05.94	-1.38
KOVH	140.2	190	Sn	8:25:09.09	0.17

623.  


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 2020-06-09 time: 3:31:24.21 UTC ML= 0.9  
 lat: 47.298N lon: 18.182E h= 9.1 km  
 erh= 1.4km erz= 0.8km  
 nr= 14 gap=107 rms=0.40  
 Locality: Balinka  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	9.3	40	Pg	3:31:26.60	0.05
			Sg	31:28.25	-0.12
PKST	12.0	249	Pg	3:31:26.62	-0.28
			Sg	31:28.25	-0.75
PKSG	18.9	57	Pg	3:31:27.98	0.02
			Sg	31:30.87	-0.02
MPLH	50.7	254	Pg	3:31:34.15	0.74
			Sg	31:40.78	0.20
MORH	125.4	164	Sn	3:32:02.41	-0.08
PKSM	125.8	164	Sn	3:32:02.15	-0.42
KOVH	134.7	183	Sn	3:32:04.64	0.10
MODS	137.4	330	Sn	3:32:04.58	-0.57
VYHS	141.7	20	Sn	3:32:06.10	0.01
RONA	148.9	287	Sn	3:32:08.76	1.06

624.  


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 2020-06-09 time: 6:06:20.12 UTC ML= 0.9  
 lat: 47.369N lon: 17.610E h= 0.0 km  
 erh= 7.4km erz= 780km  
 nr= 6 gap=254 rms=0.56  
 Locality: Vanyola  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	22.7	194	Pg	6:06:24.35	0.17
			Sg	06:26.79	-0.55
PKST	34.3	111	Pg	6:06:26.56	0.32
			Sg	06:30.61	-0.42
CSKK	49.1	91	Sg	6:06:34.74	-0.99
PKSG	59.0	88	Sg	6:06:39.83	0.96

625.  


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 2020-06-09 time: 6:59:06.29 UTC ML= 0.7  
 lat: 47.291N lon: 17.660E h= 0.0 km  
 erh= 2.1km erz= 507km  
 nr= 5 gap=157 rms=0.23  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	16.2	214	Pg	6:59:09.03	-0.15
			Sg	59:11.57	0.13
PKST	28.5	97	Pg	6:59:11.67	0.29
			Sg	59:14.98	-0.37
EGYH	28.5	300	Sg	6:59:15.31	-0.05

626.  


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 2020-06-09 time: 9:16:51.62 UTC ML= 1.9  
 lat: 47.919N lon: 19.415E h= 0.0 km  
 erh= 1.9km erz= 2.6km  
 nr= 12 gap=121 rms=0.93  
 Locality: Szanda  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.4	215	Pg	9:16:54.44	-0.29
			Sg	16:56.07	-1.08
PSZ	35.9	90	Pg	9:16:58.31	0.29
			Sg	17:03.09	0.07
BUD	56.6	211	Sg	9:17:09.81	0.20
VYHS	77.1	326	Sg	9:17:14.39	-1.72
KECS	101.4	52	Pg	9:17:10.01	0.29
			Sg	17:22.99	-0.85
CSKK	106.5	235	Sg	9:17:23.09	-2.38
MPLH	163.9	239	Pn	9:17:19.79	0.70
			Sn	17:41.78	1.27
MODS	166.9	288	eSn	9:17:42.80	1.62

627.  


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 2020-06-09 time: 9:23:02.57 UTC ML= 0.6  
 lat: 47.219N lon: 18.266E h= 0.0 km  
 erh= 2.7km erz= 345km  
 nr= 5 gap=258 rms=0.16  
 Locality: Iszkaosztógyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.0	359	Sg	9:23:07.28	-0.37
PKST	18.1	284	Pg	9:23:05.72	-0.08
			Sg	23:08.49	0.17
PKSG	21.4	26	Pg	9:23:06.43	0.05
			Sg	23:09.53	0.17

628.  


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 2020-06-09 time: 9:32:56.90 UTC ML= 1.7  
 lat: 48.520N lon: 18.762E h= 0.0 km  
 erh= 3.3km erz= 3.7km  
 nr= 18 gap= 69 rms=1.28  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	6.2	117	Pg	9:32:58.98	0.97
			Sg	32:59.94	1.07
LANS	87.2	36	Sg	9:33:23.97	-0.67
PENC	89.8	154	Pg	9:33:14.64	1.70
			Sg	33:24.59	-0.86
PSZ	107.5	128	Pg	9:33:16.43	0.33
			Sg	33:29.31	-1.76
MODS	111.0	262	Pg	9:33:18.05	1.32
			Sg	33:30.64	-1.55
KECS	127.5	92	Pg	9:33:19.91	0.24
			Sg	33:35.43	-1.99
PKSG	128.4	192	Sg	9:33:35.58	-2.14
CSKK	133.9	196	Sn	9:33:37.36	-1.79
PKST	150.3	201	Sn	9:33:41.58	-1.21
NIE	151.4	49	Sn	9:33:43.47	0.45
MORC	165.7	328	Sn	9:33:44.59	-1.62
PKB1	192.9	179	Sn	9:33:53.37	1.13
RONA	205.0	244	Sn	9:33:56.30	1.38

## Hypocenter Parameters

## Földrengés paraméterek

629.  


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 2020-06-09 time: 10:03:46.05 UTC ML= 1.7  
 lat: 48.801N lon: 21.207E h= 0.0 km  
 erh= 6.4km erz= 4.2km  
 nr= 5 gap=301 rms=0.31  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	56.2	178	Pg	10:03:55.76			-0.32
			Sg	04:04.12			0.21
KECS	63.8	236	Pg	10:03:57.85			0.40
			Sg	04:06.02			-0.32
PSZ	138.2	225	Sn	10:04:29.18			-0.05

630.  


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 2020-06-09 time: 10:15:28.07 UTC ML= 1.2  
 lat: 48.432N lon: 19.553E h= 0.0 km  
 erh= 3.4km erz= \*\*\*km  
 nr= 9 gap=110 rms=0.90  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	53.5	277	Pg	10:15:38.03			0.41
			Sg	15:44.96			-0.11
PSZ	62.5	156	Pg	10:15:39.94			0.71
			Sg	15:48.17			0.23
KECS	69.2	85	Pg	10:15:41.00			0.58
			Sg	15:49.18			-0.88
PENC	74.2	196	Sg	10:15:49.68			-1.96
NIE	123.0	27	Sg	10:16:04.84			-2.34
ABAH	125.8	97	Sg	10:16:08.36			0.29

631.  


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 2020-06-09 time: 11:10:38.45 UTC ML= 1.8  
 lat: 46.318N lon: 23.128E h= 0.0 km  
 erh= 2.2km erz= 3.0km  
 nr= 15 gap=105 rms=0.62  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MARR	39.8	359	PgC	11:10:45.90			0.35
			Sg	10:51.00			-0.09
CJR	56.9	39	Pg	11:10:48.70			0.10
			Sg	10:55.13			-1.39
DRGR	61.6	329	Pg	11:10:49.71			0.27
			Sg	10:57.82			-0.20
GZR	106.4	195	Pg	11:10:57.32			-0.12
			Sg	11:10.68			-1.58
LOT	108.8	153	PgC	11:10:58.07			0.18
			Sg	11:12.70			-0.34
BZS	140.7	236	Pn	11:11:03.61			0.58
			Sn	11:21.32			-0.88
HERR	169.1	199	PnD	11:11:07.53			0.96
			Sn	11:28.00			-0.51
BURA	214.6	48	PnD	11:11:13.86			1.62

632.  


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 2020-06-10 time: 2:15:53.81 UTC ML= 2.6  
 lat: 45.877N lon: 16.008E h= 10.1 km  
 erh= 1.2km erz= 0.7km  
 nr= 77 gap= 54 rms=0.73  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	4.7	303	Pg	2:15:55.56			-0.23
			Sg	15:56.55			-0.79

ZAG	5.5	192	Pg	2:15:56.20			0.34
			Sg	15:56.89			-0.57
GCIS	29.6	268	iPgC	2:15:59.84			0.45
			iSg	16:03.69			-0.06
GOLS	33.3	297	iPg	2:16:00.34			0.32
			iSg	16:05.48			0.62
CRES	43.2	262	Pg	2:16:02.01			0.28
			Sg	16:08.05			0.14
CESS	43.6	284	iPg	2:16:02.49			0.69
			iSg	16:07.97			-0.07
DOBS	51.6	306	iPg	2:16:03.48			0.29
LEGS	54.2	278	iPgC	2:16:04.13			0.48
			iSg	16:10.38			-0.94
KOGS	66.2	16	Pg	2:16:05.96			0.20
			Sg	16:14.58			-0.50
BOJS	72.0	235	iPg	2:16:06.75			-0.05
			iSg	16:16.28			-0.65
GROS	75.8	329	Pg	2:16:07.37			-0.09
			Sg	16:16.73			-1.38
PKDS	81.0	285	iPgD	2:16:08.41			0.04
			iSg	16:17.69			-2.05
BEHE	88.6	42	Pg	2:16:10.47			0.73
			Sg	16:22.56			0.40
VISS	91.2	265	iPg	2:16:09.92			-0.27
			iSg	16:23.49			0.52
ZAVS	98.0	309	iPg	2:16:11.25			-0.15
			iSg	16:23.23			-1.90
VNDS	104.3	284	iP*	2:16:12.08			-0.39
			iS*	16:26.36			-0.67
PERS	108.8	321	Pn	2:16:12.61			-0.51
			Sn	16:25.47			-2.71
LJU	116.3	279	iPn	2:16:14.11			0.06
			iSn	16:30.03			0.19
SOKA	116.5	320	Pn	2:16:13.88			-0.20
			Sn	16:29.31			-0.58
GBAS	121.7	273	iPn	2:16:14.94			0.22
			iSn	16:30.14			-0.89
CEY	123.9	263	iPn	2:16:15.87			0.87
			iSn	16:31.72			0.19
MOZS	129.6	291	iPnD	2:16:16.29			0.58
			iSn	16:33.56			0.76
OBKA	132.8	302	Pn	2:16:16.92			0.82
			Sn	16:32.94			-0.56
BLY	155.6	144	Pn	2:16:19.46			0.51
			Sn	16:38.62			0.05
ARSA	157.1	346	Pn	2:16:20.01			0.87
			Sn	16:39.85			0.95
KOVH	163.8	82	Pn	2:16:19.54			-0.43
			Sn	16:38.25			-2.12
PKSV	174.2	90	Pn	2:16:20.95			-0.32
			Sn	16:39.96			-2.73
MPLH	185.6	39	Pn	2:16:23.39			0.69
			Sn	16:44.28			-0.95
PKS9	192.1	66	Pn	2:16:23.32			-0.18
EGYH	198.9	31	Sn	2:16:48.47			0.29
MYKA	200.8	295	Pn	2:16:28.81			4.23*
			Sn	16:51.69			3.10*
RONA	203.8	6	Pn	2:16:26.12			1.16
			Sn	16:49.61			0.35
SOP	205.1	12	Pn	2:16:26.44			1.31
			Sn	16:47.81			-1.75
PKSM	207.2	80	Pn	2:16:24.76			-0.62
			Sn	16:47.51			-2.50
MORH	207.5	80	Pn	2:16:24.78			-0.64
			Sn	16:47.51			-2.56
PKB4	211.9	71	Pn	2:16:25.54			-0.43
PKST	218.5	45	Pn	2:16:26.53			-0.26
CONA	228.3	357	Pn	2:16:29.58			1.56
PKB1	236.9	65	Pn	2:16:28.66			-0.43
KBA	244.3	303	Pn	2:16:32.04			2.03
PKSG	248.3	47	Pn	2:16:31.22			0.72
			Sn	16:59.13			0.00
MOA	256.4	329	Pn	2:16:33.66			2.14
			Sn	17:02.05			1.12
BIOA	271.0	318	Pn	2:16:34.97			1.63

## Földrengés paraméterek

			Sn	17:05.48	1.31
SRO	277.9	39	ePn	2:16:41.20	7.00*
VYHS	361.4	36	eSn	2:17:22.50	-1.73*
KHC	405.5	333	ePn	2:16:51.10	1.00*
ZVC	418.8	341	ePn	2:16:52.00	0.23*
			eSn	17:34.80	-2.19*

633.

2020-06-10 time: 8:30:51.19 UTC ML= 1.1  
 lat: 47.085N lon: 18.080E h= 0.0 km  
 erh= 1.3km erz= 7.2km  
 nr= 15 gap=121 rms=0.44  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.7	350	Pg	8:30:54.26	-0.44
			Sg	30:57.00	-0.44
CSKK	33.8	24	Pg	8:30:57.78	0.55
			Sg	31:01.57	-0.37
PKSG	41.4	35	Pg	8:30:58.96	0.37
			Sg	31:03.64	-0.73
MPLH	42.1	283	Pg	8:30:59.22	0.51
			Sg	31:04.24	-0.33
MORH	105.8	156	Pg	8:31:10.47	0.38
			Sg	31:24.88	0.05
PKSM	106.1	156	Pg	8:31:10.37	0.22
			Sg	31:24.58	-0.35
KOVH	110.8	179	Pg	8:31:10.92	-0.06
			Sg	31:25.72	-0.69
PKSV	133.6	174	Sn	8:31:31.68	-1.70

634.

2020-06-10 time: 8:32:06.33 UTC ML= 1.5  
 lat: 48.514N lon: 17.470E h= 0.0 km  
 erh= 1.5km erz= 1.7km  
 nr= 15 gap= 89 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	3.1	270	PgU	8:32:07.23	0.35
			Sg	32:07.96	0.65
MODS	21.1	222	Pg	8:32:10.22	0.11
			Sg	32:13.58	0.53
KRUC	99.8	308	Pg	8:32:24.05	-0.10
			Sg	32:37.23	-0.81
VYHS	101.0	91	Sg	8:32:38.27	-0.16
RONA	125.9	224	Pg	8:32:28.84	0.03
			Sg	32:45.46	-0.88
CONA	136.1	241	Pn	8:32:30.49	0.15
			Sn	32:48.18	-0.88
MORC	140.5	2	Sn	8:32:48.95	-1.10
PKST	145.8	163	Pn	8:32:31.84	0.30
			Sn	32:50.89	-0.32
KRLC	180.7	344	Sn	8:32:59.97	1.01

635.

2020-06-10 time: 22:59:51.18 UTC ML= 1.9  
 lat: 46.124N lon: 16.743E h= 11.6 km  
 erh= 5.4km erz= 4.9km  
 nr= 12 gap=148 rms=1.18  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	52.3	314	Sg	22:60:07.26	-0.96
PTJ	65.7	248	Sg	22:60:09.50	-2.87
ZAG	66.6	241	Pg	22:60:04.21	0.95
			Sg	60:13.77	1.09
CRES	105.0	252	P*	22:60:09.85	0.03
			S*	60:22.68	-1.67

## Hypocenter Parameters

KOVH	105.0	92	P*	22:60:09.78	-0.04
			S*	60:22.61	-1.75
PKS9	129.0	66	Sn	22:60:29.85	0.16
PERS	137.4	294	Sn	22:60:32.81	1.24
PKSM	147.0	86	Sn	22:60:35.25	1.56
MORH	147.2	86	Sn	22:60:34.89	1.15

636.

2020-06-10 time: 23:21:22.97 UTC ML= 1.6  
 lat: 46.045N lon: 16.733E h= 10.0 km  
 erh= 7.8km erz=10.9km  
 nr= 11 gap=157 rms=1.10  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	58.3	320	Pg	23:21:34.47	0.95
			Sg	21:39.61	-2.14
PTJ	62.2	255	Sg	23:21:42.29	-0.71
CRES	102.0	256	Pg	23:21:41.85	0.59
			Sg	21:54.78	-0.75
KOVH	105.8	87	P*	23:21:41.93	0.05
			S*	21:54.68	-1.95
PKSV	119.0	98	Sn	23:21:58.47	-1.15
PKSM	148.6	83	Sn	23:22:07.30	1.10
MORH	148.9	83	Sn	23:22:07.60	1.34
PKB4	152.7	71	Sn	23:22:08.41	1.32

637.

2020-06-10 time: 23:26:43.20 UTC ML= 1.6  
 lat: 46.054N lon: 16.712E h= 10.0 km  
 erh= 3.7km erz= 3.9km  
 nr= 12 gap=155 rms=0.74  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	56.4	321	Pg	23:26:53.98	0.55
			Sg	27:00.22	-1.20
PTJ	60.9	254	Sg	23:27:02.94	0.13
CRES	100.6	255	Pg	23:27:01.34	0.09
			Sg	27:14.78	-0.54
KOVH	107.5	88	Pn	23:27:02.36	0.01
			Sn	27:15.69	-1.60
PKSV	120.8	99	Sn	23:27:19.32	-0.93
SOKA	146.7	298	Sn	23:27:26.08	0.09
PKSM	150.1	83	Sn	23:27:27.87	1.10
MORH	150.4	83	Sn	23:27:28.18	1.36
PKB4	153.9	71	Sn	23:27:28.33	0.73

638.

2020-06-10 time: 23:30:50.53 UTC ML= 1.6  
 lat: 46.090N lon: 16.733E h= 5.8 km  
 erh= 4.9km erz= 4.5km  
 nr= 9 gap=150 rms=0.88  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	54.5	317	Sg	23:31:07.74	-0.21
PTJ	63.6	251	Sg	23:31:09.87	-0.96
CRES	103.1	254	Pg	23:31:09.77	0.79
			Sg	31:23.10	-0.27
KOVH	105.8	90	Pg	23:31:10.03	0.59
			Sg	31:22.65	-1.54
PKSV	119.8	101	Sn	23:31:26.86	-1.46
PKSM	148.1	85	Sn	23:31:35.32	0.73
MORH	148.3	85	Sn	23:31:35.57	0.92

## Hypocenter Parameters

## Földrengés paraméterek

639.

2020-06-10 time: 23:39:45.80 UTC ML= 1.5  
 lat: 46.070N lon: 16.726E h= 5.2 km  
 erh= 4.0km erz= 3.5km  
 nr= 10 gap=153 rms=0.80  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	55.8	319	Sg	23:40:03.08	-0.53
PTJ	62.4	252	Sg	23:40:05.16	-0.55
CRES	102.0	255	Pg	23:40:04.86	0.81
			Sg	40:17.73	-0.55
KOVH	106.3	89	Pg	23:40:05.06	0.25
			Sg	40:18.29	-1.35
PKSV	120.0	100	Sn	23:40:22.42	-1.34
PKS9	132.7	64	Sn	23:40:26.99	0.41
PKSM	148.9	84	Sn	23:40:31.07	0.90
MORH	149.1	84	Sn	23:40:31.37	1.15

640.

2020-06-10 time: 23:53:55.75 UTC ML= 1.5  
 lat: 46.090N lon: 16.671E h= 12.1 km  
 erh= 3.1km erz= 3.2km  
 nr= 15 gap= 84 rms=0.81  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	43.0	11	Sg	23:54:09.18	-0.77
KOGS	51.3	321	Pg	23:54:05.72	0.55
			Sg	54:11.87	-0.64
PTJ	59.1	249	Sg	23:54:14.21	-0.73
CRES	98.6	253	P*	23:54:13.45	0.09
			S*	54:26.99	-0.11
KOVH	110.5	90	Pn	23:54:15.13	0.12
			Sn	54:27.29	-2.75
PKSV	124.5	100	Sn	23:54:30.86	-2.29
PERS	134.1	297	Sn	23:54:36.05	0.77
PKSM	152.8	85	Pn	23:54:21.29	1.00
			Sn	54:39.61	0.18
MORH	153.1	85	Sn	23:54:39.66	0.18
BLY	154.4	165	Sn	23:54:40.68	0.91
PKB4	155.6	73	Sn	23:54:40.12	0.07

641.

2020-06-11 time: 0:00:13.27 UTC ML= 1.5  
 lat: 46.105N lon: 16.677E h= 12.6 km  
 erh= 2.8km erz= 2.7km  
 nr= 20 gap= 75 rms=0.99  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	41.3	11	Sg	0:00:26.50	-0.48
KOGS	50.3	319	Sg	0:00:29.08	-0.68
PTJ	60.2	248	Pg	0:00:23.88	-0.37
			Sg	00:31.44	-1.37
ZAG	61.2	240	Pg	0:00:25.44	1.01
			Sg	00:33.45	0.32
CRES	99.5	252	P*	0:00:30.86	-0.13
			S*	00:44.42	-0.38
KOVH	110.1	91	Pn	0:00:31.54	-0.89
			Sn	00:44.67	-2.69
PKSV	124.4	101	Sn	0:00:48.08	-2.47
PERS	133.7	296	Sn	0:00:52.87	0.25
PKSM	152.2	86	Pn	0:00:37.91	0.23
			Sn	00:57.04	0.32
MORH	152.5	85	Pn	0:00:38.90	1.19
			Sn	00:56.48	-0.29
PKB4	154.7	74	Sn	0:00:57.60	0.33
ARSA	154.9	325	Sn	0:00:58.57	1.25

BLY 155.9 165 Pn 0:00:39.95 1.81  
 Sn 00:58.21 0.67

642.

2020-06-11 time: 0:01:24.08 UTC ML= 1.3  
 lat: 46.101N lon: 16.670E h= 15.0 km  
 erh= 7.2km erz= 7.4km  
 nr= 10 gap=147 rms=1.08  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	50.4	320	Sg	0:01:40.08	-0.70
PTJ	59.5	248	Sg	0:01:42.77	-0.82
CRES	98.9	252	P*	0:01:41.91	0.44
			S*	01:55.80	0.77
KOVH	110.6	91	Pn	0:01:42.42	-0.57
			Sn	01:55.75	-1.98
PKSV	124.8	101	Sn	0:01:59.52	-1.37
PKSM	152.8	85	Pn	0:01:50.15	1.90
			Sn	02:07.96	0.86
MORH	153.0	85	Sn	0:02:07.96	0.81

643.

2020-06-11 time: 1:49:23.00 UTC ML= 1.6  
 lat: 46.078N lon: 16.737E h= 5.0 km  
 erh= 4.6km erz= 4.9km  
 nr= 8 gap=165 rms=0.75  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	55.6	318	Pg	1:49:33.92	0.94
			Sg	49:39.47	-1.29
CRES	103.1	254	Pg	1:49:41.80	0.36
			Sg	49:54.93	-0.89
KOVH	105.4	89	Pg	1:49:42.02	0.17
			Sg	49:55.30	-1.25
PKSM	147.9	84	Sn	1:50:07.45	0.24
MORH	148.2	84	Sn	1:50:07.30	0.04

644.

2020-06-11 time: 8:52:53.26 UTC ML= 1.1  
 lat: 48.677N lon: 18.671E h= 0.0 km  
 erh= 3.4km erz= 4.5km  
 nr= 12 gap= 77 rms=1.00  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	23.7	149	Pg	8:52:59.08	1.58
			Sg	53:01.83	1.02
LANS	78.7	48	Sg	8:53:17.50	-0.76
MODS	108.3	252	eSg	8:53:28.00	0.31
PENC	108.5	155	Sg	8:53:26.25	-1.51
PSZ	123.9	133	Pg	8:53:14.98	-0.42
			Sg	53:31.45	-1.21
NIE	145.7	56	Sn	8:53:38.39	0.27
MORC	147.4	326	Pn	8:53:18.44	-0.23
			Sn	53:36.86	-1.63
PKST	164.7	197	Sn	8:53:42.87	0.54
OJC	190.1	25	Sn	8:53:48.98	1.02

645.

2020-06-11 time: 8:57:45.69 UTC ML= 1.5  
 lat: 48.652N lon: 18.576E h= 0.0 km  
 erh= 2.1km erz= 2.3km  
 nr= 17 gap= 77 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
VYHS	26.0	132	Pg	8:57:51.39	1.05
			Sg	57:54.50	0.53
A337	73.8	232	Sg	8:58:08.65	-0.49
MODS	100.8	252	Pg	8:58:04.66	0.96
			Sg	58:17.22	-0.52
PENC	109.2	151	Sg	8:58:18.81	-1.60
PSZ	127.4	130	Pg	8:58:08.44	0.00
			Sg	58:23.66	-2.53
PKSG	140.8	186	Sn	8:58:28.66	-0.81
KECS	142.2	98	Sn	8:58:29.38	-0.39
CSKK	145.2	189	Pn	8:58:10.44	-0.40
			Sn	58:30.81	0.36
MORC	146.0	329	Pn	8:58:10.33	-0.60
			Sn	58:30.14	-0.48
NIE	153.0	56	Pn	8:58:12.63	0.83
			Sn	58:32.44	0.27
OJC	195.6	27	Sn	8:58:41.78	0.16

646.

2020-06-11 time: 8:59:14.85 UTC ML= 1.3  
 lat: 46.164N lon: 18.296E h= 0.0 km  
 erh= 1.4km erz= 2.9km  
 nr= 16 gap=110 rms=0.64  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.3	241	PgU	8:59:17.98	0.04
			Sg	59:20.45	0.10
PKSM	27.2	79	Pg	8:59:19.51	-0.20
			Sg	59:23.32	-0.17
MORH	27.5	78	Pg	8:59:19.46	-0.30
			Sg	59:23.22	-0.37
PKSV	30.8	186	Pg	8:59:20.68	0.34
			Sg	59:24.65	0.02
PKB4	43.9	33	Sg	8:59:29.84	1.02
PKS9	47.1	358	Sg	8:59:30.29	0.47
PKB1	78.8	29	Pg	8:59:29.89	0.96
			Sg	59:40.37	0.46
PKST	123.4	351	Pg	8:59:36.75	-0.14
			Sg	59:52.29	-1.79
CSKK	133.4	359	Sn	8:59:55.33	-1.64
PKSG	136.7	3	Sn	8:59:56.15	-1.57

647.

2020-06-11 time: 9:57:17.03 UTC ML= 1.0  
 lat: 47.204N lon: 18.291E h= 0.0 km  
 erh= 1.4km erz= 2.2km  
 nr= 14 gap=110 rms=0.44  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.8	353	Pg	9:57:20.23	0.01
			Sg	57:22.37	-0.33
PKST	20.4	287	Pg	9:57:20.34	-0.33
			Sg	57:22.82	-0.68
PKSG	22.2	20	Pg	9:57:21.18	0.18
			Sg	57:24.36	0.27
MPLH	57.1	266	Pg	9:57:27.33	0.11
			Sg	57:36.24	1.07
MORH	113.1	166	Sg	9:57:53.08	0.09
PKSM	113.5	166	Sg	9:57:53.29	0.18
KOVH	124.9	187	Sg	9:57:56.34	-0.39
PSZ	144.5	57	Sn	9:58:00.92	-0.70
VYHS	149.1	16	Pn	9:57:43.45	0.79
			Sn	58:01.96	-0.69

648.

2020-06-11 time: 9:58:32.37 UTC ML= 1.5  
 lat: 48.494N lon: 17.554E h= 0.0 km  
 erh= 3.9km erz= 3.6km  
 nr= 12 gap=174 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	9.5	283	Pg	9:58:33.76	-0.32
			Sg	58:34.54	-0.87
MODS	24.5	237	Pg	9:58:37.28	0.54
			Sg	58:40.75	0.60
ZST	47.1	225	Sg	9:58:47.30	-0.04
A339	74.3	174	Sg	9:58:54.88	-1.10
KRUC	106.1	307	Pg	9:58:51.95	0.64
			Sg	59:05.68	-0.40
RONA	128.8	227	Pg	9:58:55.46	0.09
CONA	140.6	243	Pn	9:58:58.08	1.14
			Sn	59:14.97	-1.14
MORC	142.7	360	Sn	9:59:15.07	-1.49

649.

2020-06-11 time: 10:17:15.82 UTC ML= 1.4  
 lat: 48.524N lon: 19.375E h= 0.0 km  
 erh= 2.4km erz= 4.4km  
 nr= 14 gap= 80 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	39.9	265	Pg	10:17:23.39	0.45
			Sg	17:27.50	-1.00
LANS	70.0	6	Pg	10:17:28.66	0.34
			Sg	17:37.59	-0.49
PSZ	77.6	150	Pg	10:17:30.62	0.94
			Sg	17:39.85	-0.64
PENC	81.8	185	Sg	10:17:40.73	-1.10
KECS	82.2	93	Pg	10:17:30.89	0.39
			Sg	17:40.23	-1.73
NIE	121.0	35	Pg	10:17:38.63	1.21
			Sg	17:52.88	-1.38
ABAH	140.4	100	Sn	10:17:58.74	-0.75
MORC	193.1	316	Pn	10:17:47.75	0.82
			Sn	18:09.57	-1.62

650.

2020-06-11 time: 10:25:34.17 UTC ML= 1.6  
 lat: 48.571N lon: 20.777E h= 0.0 km  
 erh= 2.7km erz= 3.3km  
 nr= 17 gap= 90 rms=1.01  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.6	246	Pg	10:25:38.30	-0.10
			Sg	25:41.81	0.12
ABAH	45.9	132	Pg	10:25:42.78	0.42
			Sg	25:49.24	0.49
PSZ	97.8	222	Pg	10:25:51.99	0.35
			Sg	26:04.41	-0.85
STHS	100.1	20	Pg	10:25:51.74	-0.30
			Sg	26:03.70	-2.28
NIE	100.2	340	Pg	10:25:53.57	1.50
LANS	115.7	304	Pg	10:25:54.08	-0.76
			Sg	26:09.04	-1.91
TRPA	139.5	111	Pn	10:25:58.40	-0.20
			Sn	26:15.20	-2.45
VYHS	143.6	267	Sn	10:26:17.84	-0.73
KWP	183.8	50	Sn	10:26:28.74	1.26
OJC	196.6	339	Pn	10:26:07.16	1.43
			Sn	26:30.77	0.43

Hypocenter Parameters

Földrengés paraméterek

651.

2020-06-11 time: 10:40:04.66 UTC ML= 1.5  
 lat: 46.124N lon: 18.017E h= 0.0 km  
 erh= 2.1km erz= 3.1km  
 nr= 16 gap=140 rms=0.55  
 Locality: Bükkösd  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	7.5	122	PgU	10:40:06.05			0.04
			Sg		40:07.31		0.25
PKSV	31.9	145	Pg	10:40:10.43			0.07
			Sg		40:14.39		-0.41
PKSM	49.2	79	Pg	10:40:13.37			-0.08
			Sg		40:19.83		-0.47
MORH	49.5	78	Pg	10:40:13.47			-0.03
			Sg		40:19.83		-0.57
PKS9	55.3	21	Pg	10:40:15.00			0.47
			Sg		40:21.57		-0.66
PKB4	61.3	48	Pg	10:40:15.81			0.20
			Sg		40:24.18		0.03
PKB5	76.2	47	Pg	10:40:19.42			1.16
PKST	126.2	1	Sg	10:40:42.17			-2.60
KOGS	140.8	285	Sn	10:40:46.60			-1.84
PKSG	143.8	11	Sn	10:40:48.58			-0.52

652.

2020-06-11 time: 11:52:05.29 UTC ML= 2.1  
 lat: 48.230N lon: 21.231E h= 0.0 km  
 erh= 1.8km erz= 2.3km  
 nr= 16 gap= 99 rms=0.62  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	7.3	5	PgU	11:52:06.65			0.05
			Sg		52:07.41		-0.21
KECS	62.0	297	Pg	11:52:16.70			0.34
			Sg		52:24.28		-0.71
TRPA	97.9	97	Pg	11:52:22.37			-0.41
			Sg		52:35.76		-0.66
PSZ	105.5	251	Pg	11:52:24.64			0.51
			Sg		52:37.36		-1.46
LTVH	106.6	152	Sg	11:52:39.62			0.45
STHS	131.9	0	Pn	11:52:29.20			0.42
NIE	148.4	333	Pn	11:52:31.67			0.84
			Sn		52:49.04		-1.70
LANS	165.3	308	Pn	11:52:33.47			0.53
			Sn		52:54.61		0.11
VYHS	179.9	279	Sn	11:52:56.57			-1.17
DRGR	195.0	145	Sn	11:53:00.82			-0.27

653.

2020-06-11 time: 12:30:01.62 UTC ML= 1.6  
 lat: 48.450N lon: 17.177E h= 0.0 km  
 erh= 1.6km erz= 3.7km  
 nr= 11 gap= 80 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	11.3	139	Pg	12:30:03.60			-0.03
			Sg		30:04.95		-0.25
SMOL	19.9	69	Pg	12:30:05.26			0.09
			Sg		30:07.57		-0.37
KRUC	89.1	320	Pg	12:30:17.70			0.17
			Sg		30:29.07		-0.87
RONA	106.2	218	Pg	12:30:20.36			-0.22
CONA	113.7	239	Pg	12:30:22.87			0.94
			Sg		30:37.54		-0.24
VYHS	122.7	88	Sg	12:30:37.89			-2.75

MORC 149.9 10 Sn 12:30:48.46 1.04

654.

2020-06-11 time: 13:03:28.91 UTC ML= 1.6  
 lat: 48.569N lon: 17.712E h= 0.0 km  
 erh= 0.7km erz= 0.8km  
 nr= 9 gap=140 rms=0.13  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	21.8	254	Pg	13:03:32.86			0.06
			Sg		03:35.66		-0.17
MODS	38.8	236	Pg	13:03:35.68			-0.15
			Sg		03:41.32		0.09
VYHS	83.5	96	Sg	13:03:55.46			0.03
KRUC	111.2	300	Pg	13:03:48.91			0.15
MORC	134.9	355	Pn	13:03:52.74			-0.03
			Sn		04:10.69		-0.69
CONA	154.8	243	Sn	13:04:15.86			0.08

655.

2020-06-12 time: 3:49:47.38 UTC ML= 1.5  
 lat: 47.985N lon: 16.500E h= 8.7 km  
 erh= 1.9km erz= 1.7km  
 nr= 24 gap= 68 rms=0.80  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	33.8	173	Pg	3:49:54.15			0.54
			Sg		49:58.28		-0.19
RONA	35.2	206	PgD	3:49:54.11			0.26
			Sg		49:58.11		-0.79
CONA	48.1	263	Pg	3:49:56.66			0.55
			Sg		50:02.28		-0.64
MODS	72.2	53	Pg	3:50:00.10			-0.25
			Sg		50:08.93		-1.55
ARSA	109.8	222	Pn	3:50:06.94			-0.06
			Sn		50:20.34		-1.96
MPLH	119.6	139	Pn	3:50:08.22			0.00
			Sn		50:23.32		-1.15
KRUC	120.0	356	Pn	3:50:07.86			-0.41
			Sn		50:22.23		-2.33
A338	138.3	89	Sn	3:50:28.78			0.17
PKST	140.7	125	Sn	3:50:29.35			0.19
PKSG	156.5	115	Sn	3:50:33.89			1.24
TREC	163.7	333	ePn	3:50:14.50			0.79
			eSn		50:34.00		-0.26
MOA	167.7	265	Pn	3:50:15.61			1.40
			Sn		50:36.68		1.54
VYHS	182.5	72	Sn	3:50:39.69			1.26
MORC	213.4	21	Sn	3:50:45.49			0.20
KRLC	233.4	5	Sn	3:50:50.26			0.54

656.

2020-06-12 time: 6:02:24.32 UTC ML= 0.8  
 lat: 48.561N lon: 19.368E h= 0.0 km  
 erh= 2.7km erz= \*\*\*km  
 nr= 8 gap=107 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	40.0	259	Pg	6:02:31.75			0.29
			Sg		02:36.27		-0.76
LANS	65.9	6	Sg	6:02:45.30			0.02
			Pg		6:02:40.16		1.28
PSZ	81.5	151	Sg		02:49.45		-0.78
			Sg		6:02:50.18		-0.54
KECS	83.0	96	Sg	6:02:51.14			-0.51
PENC	86.0	184	Sg	6:02:51.14			-0.51
NIE	117.8	36	Sg	6:03:01.43			-0.34



## Földrengés paraméterek

## Hypocenter Parameters

657.

2020-06-12 time: 7:35:13.56 UTC ML= 1.6  
 lat: 47.657N lon: 18.480E h= 0.0 km  
 erh= 2.0km erz= 3.1km  
 nr= 16 gap=105 rms=1.07  
 Locality: Tardosbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SRO	21.4	324	Pg	7:35	17.77		0.39
			Sg		35:21.13		0.78
PKSG	30.3	193	Pg	7:35	20.22		1.26
			Sg		35:24.35		1.18
CSKK	36.6	207	Pg	7:35	21.46		1.36
			Sg		35:25.80		0.60
PENC	62.0	76	Pg	7:35	24.80		0.18
			Sg		35:33.93		0.67
VYHS	96.8	16	Pg	7:35	30.52		-0.32
PSZ	109.9	75	Sg	7:35	47.09		-1.41
MODS	120.0	312	Pg	7:35	35.17		0.19
			Sg		35:49.66		-2.03
MORH	160.7	176	Pn	7:35	38.98		-1.65
			Sn		35:59.74		-2.01
PKSM	161.1	176	Pn	7:35	40.82		0.14
			Sn		36:00.13		-1.71

658.

2020-06-12 time: 8:32:38.04 UTC ML= 1.6  
 lat: 48.533N lon: 17.413E h= 0.0 km  
 erh= 1.6km erz= 1.7km  
 nr= 12 gap=202 rms=0.37  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	2.4	151	Pg	8:32	38.43		-0.04
			Sg		32:38.63		-0.17
MODS	20.3	210	Pg	8:32	41.83		0.16
			Sg		32:45.20		0.70
ZST	43.9	212	Sg	8:32	52.09		0.09
KRUC	95.1	308	Sg	8:33	08.27		-0.01
RONA	124.5	222	Pg	8:33	00.54		0.28
			Sg		33:16.79		-0.81
CONA	133.4	240	Pn	8:33	01.81		0.11
			Sn		33:19.37		-0.79
PKST	149.1	162	Pn	8:33	03.62		-0.04
			Sn		33:21.90		-1.74

659.

2020-06-12 time: 9:17:23.46 UTC ML= 1.4  
 lat: 47.725N lon: 19.112E h= 0.0 km  
 erh= 6.4km erz= 4.4km  
 nr= 6 gap=277 rms=1.21  
 Locality: Pócsmegyer  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	14.7	60	Sg	9:17	28.84		0.72
PSZ	62.4	70	Pg	9:17	35.44		0.83
VYHS	88.0	346	Pg	9:17	40.16		0.99
			Sg		17:49.97		-1.45
KECS	132.6	51	Pn	9:17	46.59		-0.43
			Sn		18:02.34		-3.06

660.

2020-06-12 time: 9:27:02.54 UTC ML= 1.2  
 lat: 48.585N lon: 20.807E h= 0.0 km  
 erh= 3.5km erz= 705km  
 nr= 7 gap=192 rms=0.47  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.3	245	Pg	9:27	07.62		0.38
			Sg		27:10.78		-0.12
ABAH	45.3	135	Pg	9:27	11.04		0.41
			Sg		27:16.46		-0.49
PSZ	100.4	222	Pg	9:27	20.58		0.11
			Sg		27:32.52		-1.94
LANS	116.7	303	Pg	9:27	23.05		-0.33

661.

2020-06-12 time: 13:35:22.71 UTC ML= 1.5  
 lat: 46.806N lon: 19.114E h= 11.7 km  
 erh= 1.1km erz= 1.1km  
 nr= 30 gap= 98 rms=0.52  
 Locality: Dunatetőtlen  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKB2	17.6	146	PgU	13:35	26.38		-0.10
			Sg		35:28.93		-0.49
PKB1	24.7	264	PgD	13:35	28.06		0.47
			Sg		35:31.71		0.32
PKS7	27.1	8	Sg	13:35	31.65		-0.44
PKS2	35.7	168	Pg	13:35	29.94		0.52
			Sg		35:35.05		0.40
PKB5	37.2	231	PgD	13:35	30.00		0.32
			Sg		35:35.74		0.63
PKS6	41.4	124	Pg	13:35	30.27		-0.12
PKB3	42.9	172	Sg	13:35	36.51		-0.33
PKB4	52.0	229	Pg	13:35	32.23		0.00
			Sg		35:39.96		0.30
PKS9	68.3	249	Pg	13:35	35.65		0.56
			Sg		35:44.31		-0.44
MORH	74.8	209	PgD	13:35	35.69		-0.54
			Sg		35:44.97		-1.81
PKSM	75.3	209	PgD	13:35	35.72		-0.60
			Sg		35:45.18		-1.76
PKSG	85.2	320	Pg	13:35	37.96		-0.11
			Sg		35:49.15		-0.90
CSKK	89.7	314	Pg	13:35	38.73		-0.13
PKST	96.3	302	P*	13:35	40.60		0.59
			S*		35:52.40		-1.10
PENC	110.2	7	Sn	13:35	56.39		-0.64
KOVH	111.5	224	Pn	13:35	42.63		0.48
			Sn		35:57.04		-0.27
MPLH	126.4	289	Sn	13:36	00.84		0.21
PSZ	137.0	25	Pn	13:35	46.22		0.89
			Sn		36:02.58		-0.40

662.

2020-06-15 time: 7:33:23.80 UTC ML= 1.6  
 lat: 46.038N lon: 22.805E h= 0.0 km  
 erh= 3.4km erz= 891km  
 nr= 8 gap=161 rms=0.64  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	18.8	156	Pg	7:33	27.14		-0.02
			Sg		33:29.87		0.09
GZR	71.7	182	Pg	7:33	36.71		0.11
			Sg		33:45.64		-0.95
DRGR	84.1	355	Pg	7:33	39.41		0.59
			Sg		33:49.45		-1.08

## Hypocenter Parameters

BZS 103.5 243 Pg 7:33:43.02 0.73  
Sg 33:55.58 -1.13

663.

2020-06-15 time: 7:56:20.39 UTC ML= 1.5  
lat: 48.077N lon: 20.662E h= 0.0 km  
erh= 1.9km erz= 2.2km  
nr= 8 gap=192 rms=0.54  
Locality: Bükkszentlászló  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.0	344	Pg	7:56:29.50	0.72
			Sg	56:35.45	0.12
ABAH	49.3	60	Pg	7:56:29.35	0.15
			Sg	56:35.40	-0.67
PSZ	60.0	253	Sg	7:56:39.69	0.24
PENC	108.0	253	Sg	7:56:54.55	-0.16
VYHS	143.2	289	Sn	7:57:03.81	-0.89
LANS	148.3	324	Sn	7:57:04.92	-0.91

664.

2020-06-15 time: 8:22:48.53 UTC ML= 1.2  
lat: 48.023N lon: 20.337E h= 0.0 km  
erh= 3.3km erz= 697km  
nr= 6 gap=185 rms=0.44  
Locality: Mónosbél  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	35.0	251	Pg	8:22:55.14	0.36
			Sg	22:59.83	0.18
KECS	52.4	12	Pg	8:22:57.46	-0.42
			Sg	23:05.70	0.53
ABAH	73.7	66	Sg	8:23:12.02	0.06
			Sg	8:23:26.78	-0.88

665.

2020-06-15 time: 8:43:15.99 UTC ML= 1.3  
lat: 47.339N lon: 18.425E h= 0.0 km  
erh= 1.6km erz= 4.4km  
nr= 10 gap=113 rms=0.52  
Locality: Zámoly  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.5	337	Pg	8:43:17.20	0.06
			Sg	43:17.63	-0.41
CSKK	12.7	282	Pg	8:43:18.55	0.29
			Sg	43:19.96	-0.07
PKST	30.8	253	Pg	8:43:22.36	0.87
			Sg	43:25.14	-0.65
MORH	125.9	172	Sg	8:43:55.82	-0.19
PKSM	126.3	172	Sg	8:43:55.76	-0.38
PSZ	127.9	60	Sg	8:43:56.57	-0.07
VYHS	132.1	13	Sn	8:43:56.32	-1.51

666.

2020-06-15 time: 9:25:47.67 UTC ML= 1.5  
lat: 45.999N lon: 22.797E h= 0.0 km  
erh= 3.8km erz= \*\*\*km  
nr= 9 gap=111 rms=0.90  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	15.3	147	Pg	9:25:50.21	-0.20
			Sg	25:51.97	-0.57
GZR	67.4	181	Pg	9:26:00.18	0.47
			Sg	26:09.42	0.33

## Földrengés paraméterek

DRGR 88.3 356 Pg 9:26:04.22 0.77  
Sg 26:13.24 -2.51  
CJR 100.5 38 Sg 9:26:19.53 -0.09  
BZS 101.1 245 Pg 9:26:06.41 0.68  
Sg 26:17.76 -2.06

667.

2020-06-15 time: 9:54:26.46 UTC ML= 1.5  
lat: 48.494N lon: 17.371E h= 0.0 km  
erh= 1.8km erz= 3.2km  
nr= 14 gap= 71 rms=0.57  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.8	62	PgU	9:54:27.78	0.46
			Sg	54:28.23	0.24
MODS	15.0	208	PgU	9:54:29.49	0.34
			Sg	54:32.01	0.76
KRUC	95.6	311	Pg	9:54:43.85	0.31
			Sg	54:55.34	-1.51
VYHS	108.3	90	Pg	9:54:45.76	-0.04
			Sg	54:59.38	-1.50
RONA	119.2	222	Pg	9:54:48.04	0.29
			Sg	55:03.51	-0.84
CONA	128.6	241	Pg	9:54:49.29	-0.14
			Sg	55:06.39	-0.95
MORC	143.3	5	Sn	9:55:10.19	-0.59
PKSG	144.3	148	Pn	9:54:51.74	0.26

668.

2020-06-15 time: 10:04:10.17 UTC ML= 1.8  
lat: 48.598N lon: 20.781E h= 0.0 km  
erh= 1.6km erz= 2.3km  
nr= 16 gap= 91 rms=0.61  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.3	240	Pg	10:04:14.87	0.18
			Sg	04:17.24	-0.97
ABAH	47.7	135	Pg	10:04:19.10	0.41
			Sg	04:25.02	-0.32
STHS	97.1	20	Pg	10:04:27.93	0.41
			Sg	04:39.91	-1.13
NIE	97.5	339	Sg	10:04:41.12	-0.04
			Pg	10:04:28.29	0.22
PSZ	100.2	221	Sg	04:41.74	-0.29
			Pg	10:04:30.69	0.11
LANS	114.3	303	Pg	10:04:30.69	0.11
			Sg	04:44.74	-1.76
TRPA	140.3	112	Pn	10:04:35.24	0.55
			Sn	04:52.00	-1.82
PENC	143.2	231	Sn	10:04:55.52	1.05
VYHS	144.1	265	Pn	10:04:35.36	0.19
			Sn	04:54.33	-0.34

669.

2020-06-15 time: 11:21:14.53 UTC ML= 1.3  
lat: 47.800N lon: 20.198E h= 0.0 km  
erh= 7.3km erz= 5.2km  
nr= 5 gap=215 rms=0.36  
Locality: Vécs  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	26.2	300	Pg	11:21:19.70	0.48
			Sg	21:22.48	-0.39
PENC	68.6	269	Sg	11:21:36.16	-0.19
ABAH	95.3	55	Sg	11:21:44.64	-0.17
LANS	159.6	340	Sn	11:22:02.21	-0.26

## Földrengés paraméterek

## Hypocenter Parameters

670.

2020-06-15 time: 11:23:03.46 UTC ML= 1.6  
 lat: 46.082N lon: 21.766E h= 0.0 km  
 erh= 5.5km erz= \*\*\*km  
 nr= 6 gap=210 rms=0.61  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BZS	53.0	193	Pg	11:23:13.28	0.35
			Sg	23:19.38	-0.93
DRGR	107.2	43	Pg	11:23:22.89	0.28
			Sg	23:36.65	-0.89
GZR	109.8	134	Pg	11:23:23.66	0.60
			Sg	23:37.58	-0.77

671.

2020-06-16 time: 8:40:17.41 UTC ML= 1.5  
 lat: 47.549N lon: 16.343E h= 0.0 km  
 erh= 1.5km erz= 1.7km  
 nr= 18 gap= 94 rms=0.77  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	17.0	348	Pg	8:40:21.03	0.58
			Sg	40:23.02	0.19
SOP	22.0	47	Pg	8:40:22.01	0.67
			Sg	40:24.73	0.32
CONA	55.4	319	Pg	8:40:28.22	0.91
			Sg	40:34.85	-0.18
MODS	115.2	37	Sg	8:40:52.66	-1.37
KOGS	122.6	183	Sg	8:40:57.23	0.84
PKST	131.7	104	Pn	8:40:41.06	0.19
			Sn	40:58.90	-0.27
A337	133.0	54	Sn	8:40:58.79	-0.65
SMOL	134.4	37	Sn	8:40:58.56	-1.19
PERS	137.8	222	Sn	8:40:58.50	-2.01
SOKA	138.8	226	Pn	8:40:41.75	0.00
			Sn	40:59.48	-1.26
PKSG	155.4	96	Sn	8:41:04.06	-0.36
KRUC	168.2	1	Pn	8:40:45.61	0.19
			Sn	41:05.29	-1.97

672.

2020-06-16 time: 8:46:41.46 UTC ML= 1.2  
 lat: 47.321N lon: 17.634E h= 0.0 km  
 erh= 0.9km erz= 1.0km  
 nr= 9 gap=132 rms=0.37  
 Locality: Ugod  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	18.3	203	Pg	8:46:45.03	0.31
			Sg	46:46.99	-0.27
EGYH	25.2	295	Sg	8:46:49.49	0.02
PKST	31.1	103	Pg	8:46:47.24	0.23
			Sg	46:51.32	-0.01
PKSG	57.7	82	Sg	8:47:00.23	0.43
PENC	134.5	67	Sn	8:47:22.94	-0.90
KOVH	141.6	165	Sn	8:47:24.75	-0.66
MORH	145.1	148	Sn	8:47:25.86	-0.32

673.

2020-06-16 time: 8:53:06.22 UTC ML= 1.3  
 lat: 47.310N lon: 17.618E h= 0.0 km  
 erh= 1.2km erz= 1.3km  
 nr= 13 gap=142 rms=0.52  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	16.6	201	Pg	8:53:09.67	0.48
			Sg	53:11.98	0.47
EGYH	24.7	299	Sg	8:53:13.80	-0.26
PKST	32.0	100	Pg	8:53:12.46	0.53
			Sg	53:16.72	0.33
PKSG	59.1	81	Sg	8:53:24.38	-0.62
RONA	108.6	294	Sg	8:53:40.70	-0.04
KOVH	140.7	165	Sn	8:53:49.46	-0.51
KOGS	141.6	227	Sn	8:53:49.23	-0.93
MORH	144.7	147	Pn	8:53:31.58	0.28
			Sn	53:49.41	-1.45
PKSM	145.0	147	Pn	8:53:31.23	-0.10
			Sn	53:50.22	-0.69

674.

2020-06-16 time: 9:21:25.73 UTC ML= 0.7  
 lat: 47.201N lon: 18.315E h= 0.0 km  
 erh= 1.7km erz= 483km  
 nr= 8 gap=152 rms=0.35  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.5	347	Pg	9:21:29.41	0.37
			Sg	21:31.42	-0.20
PKSG	22.0	15	Pg	9:21:30.01	0.35
			Sg	21:32.09	-0.63
PKST	22.2	287	Pg	9:21:29.63	-0.07
			Sg	21:32.50	-0.30
MPLH	58.9	267	Sg	9:21:44.70	0.25
PKSM	112.7	167	Sg	9:22:01.02	-0.54

675.

2020-06-16 time: 9:43:46.59 UTC ML= 2.0  
 lat: 48.807N lon: 21.240E h= 0.0 km  
 erh= 2.0km erz= 2.5km  
 nr= 8 gap= 89 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	56.8	180	Sg	9:44:04.30	-0.35
KECS	66.2	237	Pg	9:43:58.85	0.44
			Sg	44:07.22	-0.42
STHS	67.8	0	Sg	9:44:07.35	-0.79
TRPA	122.0	128	Sg	9:44:25.47	0.09
PSZ	140.4	225	Sn	9:44:29.99	-0.27
KWP	140.8	49	Sn	9:44:30.75	0.39
OJC	188.6	326	Sn	9:44:42.15	1.18

676.

2020-06-16 time: 10:08:19.18 UTC ML= 1.6  
 lat: 47.828N lon: 20.143E h= 0.0 km  
 erh= 2.8km erz= 2.4km  
 nr= 5 gap=231 rms=0.17  
 Locality: Kisnána  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	21.2	298	Pg	10:08:22.86	-0.10
			Sg	08:25.77	-0.14
PENC	64.7	266	Sg	10:08:40.08	0.34
KECS	77.2	19	Pg	10:08:33.06	0.10
PKSG	140.4	250	Sn	10:09:02.67	-0.20

## Hypocenter Parameters

## Földrengés paraméterek

677.

2020-06-17 time: 1:37:30.95 UTC ML= 0.4  
 lat: 47.318N lon: 18.297E h= 8.0 km  
 erh= 2.4km erz= 2.1km  
 nr= 6 gap=211 rms=0.05  
 Locality: Sóréd  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	5.8	331	Pg	1:37:32.68	-0.03
			Sg	37:34.13	0.05
PKSG	10.9	41	Pg	1:37:33.35	-0.01
			Sg	37:35.23	0.00
PKST	20.9	252	Pg	1:37:35.01	0.06
			Sg	37:37.98	-0.09

678.

2020-06-17 time: 9:11:48.84 UTC ML= 1.5  
 lat: 47.335N lon: 18.451E h= 0.0 km  
 erh= 1.0km erz= 1.8km  
 nr= 8 gap=161 rms=0.21  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.8	324	Pg	9:11:50.48	0.25
			Sg	11:51.03	-0.29
CSKK	14.7	282	Pg	9:11:51.61	0.14
			Sg	11:53.45	-0.07
PKST	32.6	255	Sg	9:11:59.12	-0.09
			MORH	125.3	173
PKSM	125.7	173	Sg	9:12:28.59	-0.20
			VYHS	132.1	13

679.

2020-06-17 time: 9:12:34.14 UTC ML= 1.1  
 lat: 47.338N lon: 18.425E h= 0.0 km  
 erh= 3.7km erz= 762km  
 nr= 7 gap=196 rms=0.51  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.6	337	Pg	9:12:35.34	0.03
			Sg	12:35.98	-0.25
CSKK	12.7	283	Pg	9:12:36.61	0.19
			Sg	12:37.85	-0.34
PKST	30.8	254	Pg	9:12:40.35	0.71
			Sg	12:43.40	-0.53
PKSM	126.2	172	Sg	9:13:12.87	-1.39

680.

2020-06-17 time: 9:19:09.78 UTC ML= 1.3  
 lat: 47.360N lon: 18.450E h= 0.0 km  
 erh= 2.5km erz= 495km  
 nr= 7 gap=190 rms=0.34  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.7	309	Pg	9:19:11.12	0.31
			Sg	19:11.49	-0.12
CSKK	14.3	272	Pg	9:19:12.51	0.17
			Sg	19:13.82	-0.51
PKST	33.4	250	Sg	9:19:20.43	0.04
			PSZ	125.1	60
VYHS	129.4	13	Sg	9:19:51.02	0.10

681.

2020-06-17 time: 9:37:20.86 UTC ML= 1.1  
 lat: 48.812N lon: 19.526E h= 0.0 km  
 erh= 5.8km erz= 958km  
 nr= 5 gap=189 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	37.9	354	Pg	9:37:27.54	-0.08
			Sg	37:32.73	-0.17
KECS	79.6	117	Sg	9:37:46.42	0.25
PSZ	103.1	165	Pg	9:37:39.70	0.43
			Sg	37:52.53	-1.10

682.

2020-06-17 time: 9:38:38.58 UTC ML= 1.1  
 lat: 48.799N lon: 19.472E h= 0.0 km  
 erh= 2.1km erz= 626km  
 nr= 5 gap=125 rms=0.28  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	39.2	360	Pg	9:38:45.90	0.33
			Sg	38:50.53	-0.49
VYHS	57.8	234	Sg	9:38:56.84	-0.12
KECS	82.5	115	Sg	9:39:04.68	-0.13
PSZ	102.8	162	Sg	9:39:11.29	0.05

683.

2020-06-17 time: 11:04:48.92 UTC ML= 1.5  
 lat: 48.968N lon: 20.820E h= 0.0 km  
 erh= 3.3km erz= 4.5km  
 nr= 6 gap=173 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	58.7	32	Pg	11:04:59.74	0.34
			Sg	05:06.89	-0.69
KECS	59.2	205	Sg	11:05:07.70	-0.05
LANS	100.9	282	Sg	11:05:21.01	0.02
PSZ	135.3	210	Pn	11:05:13.17	0.35
			Sn	05:30.61	-0.86

684.

2020-06-17 time: 12:59:57.75 UTC ML= 1.4  
 lat: 47.887N lon: 16.093E h= 7.0 km  
 erh= 2.6km erz= 2.4km  
 nr= 13 gap= 85 rms=0.80  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CONA	17.9	285	Pg	13:00:01.00	-0.18
			Sg	00:03.65	-0.20
RONA	25.8	144	Pg	13:00:02.78	0.25
			Sg	00:06.96	0.71
ARSA	82.7	211	Sg	13:00:21.82	-2.32
MODS	103.5	58	Sg	13:00:29.25	-1.47
EGYH	106.7	119	Sg	13:00:32.30	0.55
KRUC	132.6	10	Pn	13:00:20.85	0.43
			Sn	00:37.75	-0.35
MOA	136.7	268	Pn	13:00:20.84	-0.10
			Sn	00:38.11	-0.91
BIOA	185.2	263	Pn	13:00:28.54	1.56
			Sn	00:50.88	1.10

## Földrengés paraméterek

## Hypocenter Parameters

685.

2020-06-17 time: 15:51:44.65 UTC ML= 3.3  
 lat: 45.900N lon: 16.001E h= 7.2 km  
 erh= 1.7km erz= 1.2km  
 nr= 66 gap= 75 rms=0.91  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	3.4	270	Pg	15:51:46.32			0.25
			Sg	51:47.17			-0.01
ZAG	7.9	184	Pg	15:51:47.08			0.52
			Sg	51:48.00			-0.06
GCIS	29.2	263	iPgD	15:51:50.38			0.35
			iSg	51:54.05			-0.18
GOLS	31.7	293	iPgc	15:51:50.94			0.48
CRES	43.1	259	Pg	15:51:52.54			0.09
			Sg	51:58.69			0.16
DOBS	49.7	304	iPgc	15:51:54.21			0.60
			iSg	52:00.18			-0.42
KOGS	63.9	18	Pg	15:51:56.90			0.77
PDKS	79.8	283	iPg	15:51:59.03			0.07
			iSg	52:08.07			-2.05
BEHE	87.1	43	Pg	15:52:00.56			0.30
ZAVS	96.0	308	iPg	15:52:02.04			0.20
			iSg	52:14.64			-0.61
PERS	106.5	320	Pg	15:52:03.44			-0.27
			Sg	52:16.68			-1.89
SOKA	114.2	319	Pn	15:52:04.65			-0.35
			Sn	52:18.07			-2.81
OBKA	131.0	301	Pn	15:52:07.73			0.64
			Sn	52:23.25			-1.34
ARSA	154.5	346	Pn	15:52:10.53			0.50
			Sn	52:29.55			-0.27
BLY	158.0	144	Pn	15:52:10.47			0.01
			Sn	52:29.78			-0.82
KOVH	163.9	83	Pn	15:52:10.72			-0.48
			Sn	52:29.66			-2.25
PKSV	174.7	90	Pn	15:52:12.08			-0.47
			Sn	52:31.54			-2.76
TIH	183.1	53	Pn	15:52:13.60			0.01
MPLH	184.0	40	Pn	15:52:13.75			0.05
PKS9	191.5	67	Pn	15:52:14.27			-0.37
EGYH	197.0	31	Pn	15:52:16.42			1.09
MYKA	199.2	294	Pn	15:52:20.59			4.99
			Sn	52:42.88			3.14
RONA	201.3	6	Pn	15:52:16.54			0.68
SOP	202.7	12	Pn	15:52:16.64			0.60
			Sn	52:44.79			4.26
PKSM	207.2	80	Pn	15:52:15.86			-0.74
MORH	207.5	80	Pn	15:52:15.98			-0.66
			Sn	52:45.23			3.65
PKB4	211.5	72	Pn	15:52:16.68			-0.46
			Sn	52:48.08			5.60*
PKST	217.0	46	Pn	15:52:17.75			-0.07
			Sn	52:43.84			0.14
CONA	225.7	357	Pn	15:52:19.83			0.92
PKB1	236.3	65	Pn	15:52:19.90			-0.32
CSKK	237.5	47	Pn	15:52:20.79			0.42
			Sn	52:48.65			0.42
KBA	242.4	303	Pn	15:52:22.12			1.13
			Sn	52:50.87			1.54
PKSG	246.9	48	Pn	15:52:21.23			-0.32
			Sn	52:50.17			-0.16
A339	248.8	30	Pn	15:52:51.31			0.56
PKB3	253.4	77	Pn	15:52:21.80			-0.56
			Sn	52:59.48			7.70*
MOA	253.9	329	Pn	15:52:24.05			1.63
			Sn	52:51.48			-0.40
PKS2	256.5	75	Pn	15:52:22.31			-0.44
			Sn	53:00.75			8.29*
PKB2	264.1	71	Pn	15:53:02.96			8.81*
BIOA	268.7	318	Pn	15:52:25.80			1.54
			Sn	52:56.40			1.24

SRO	276.3	40	Sn	15:52:56.17			-0.68
ABTA	284.7	289	Pn	15:52:27.91			1.65
			Sn	53:09.32			10.60*
MODS	291.5	19	ePn	15:52:27.30			0.19
A338	295.5	37	Sn	15:53:00.47			-0.64*
SMOL	310.1	20	Pn	15:52:29.34			-0.08*
KRUC	352.8	5	Pn	15:52:35.54			0.79*
VYHS	359.6	37	Pn	15:52:35.73			0.13*
			Sn	53:12.44			-2.90*
WTTA	367.3	294	Pn	15:52:39.47			2.91*
			Sn	53:22.66			5.61*
PSZ	371.9	53	Pn	15:52:38.20			1.07*
			Sn	53:18.16			0.09*
WATA	374.6	295	Pn	15:52:40.17			2.70*
			Sn	53:21.13			2.45*
SQTA	395.7	292	Pn	15:52:42.27			2.17*
			Sn	53:29.62			6.26*
MOTA	408.1	293	Pn	15:52:42.71			1.07*
			Sn	53:30.13			4.03*
FETA	423.8	287	Pn	15:52:46.25			2.65*
			Sn	53:38.22			8.64*
BZS	438.0	94	Pn	15:52:45.61			0.23*
KECS	444.9	50	ePn	15:52:53.80			7.56*
DAVA	493.8	288	Pn	15:52:54.18			1.85*
STHS	554.9	45	ePn	15:52:52.90			-7.06*

686.

2020-06-18 time: 7:06:52.20 UTC ML= 1.2  
 lat: 47.992N lon: 16.636E h= 0.0 km  
 erh= 1.9km erz= 3.2km  
 nr= 13 gap= 95 rms=0.65  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SOP	34.9	190	Sg	7:07:03.24			-0.04
RONA	41.3	218	Pg	7:07:00.03			0.45
			Sg	07:04.61			-0.73
CONA	58.3	263	Pg	7:07:03.29			0.67
			Sg	07:10.31			-0.43
MODS	63.8	48	Sg	7:07:12.61			0.13
MPLH	113.9	143	Sg	7:07:27.77			-0.63
ARSA	117.5	225	Sg	7:07:28.12			-1.43
KRUC	120.3	351	Pg	7:07:14.03			0.35
			Sg	07:29.14			-1.29
MOA	177.9	265	Pn	7:07:21.37			-0.05
			Sn	07:44.58			0.38
PERS	189.6	217	Sn	7:07:47.92			1.11

687.

2020-06-18 time: 7:52:38.21 UTC ML= 1.8  
 lat: 48.235N lon: 21.271E h= 0.0 km  
 erh= 1.6km erz= 439km  
 nr= 8 gap=154 rms=0.31  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	7.2	341	PgU	7:52:39.66			0.17
			Sg	52:40.36			-0.13
KECS	64.4	295	Pg	7:52:49.82			0.10
			Sg	52:57.40			-1.29
TRPA	95.0	97	Pg	7:52:55.17			-0.01
			Sg	53:08.20			-0.21
PSZ	108.5	251	Pg	7:52:57.93			0.35
			Sg	53:12.21			-0.48

## Hypocenter Parameters

## Földregés paraméterek

688.  
 2020-06-18 time: 7:59:55.57 UTC ML= 1.5  
 lat: 48.580N lon: 19.334E h= 0.0 km  
 erh= 2.7km erz= 897km  
 nr= 8 gap=113 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	38.0	255	Pg	8:00:02.90	0.55
			Sg	00:07.27	-0.37
LANS	64.2	9	Sg	8:00:15.26	-0.70
PSZ	84.6	151	Pg	8:00:11.14	0.47
			Sg	00:21.52	-0.93
KECS	85.8	97	Pg	8:00:11.45	0.57
			Sg	00:22.64	-0.18
PENC	87.9	183	Sg	8:00:22.28	-1.23

689.  
 2020-06-18 time: 8:04:32.52 UTC ML= 1.8  
 lat: 46.916N lon: 17.425E h= 0.0 km  
 erh= 2.3km erz= 7.6km  
 nr= 13 gap= 74 rms=0.92  
 Locality: Tapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	29.5	17	Pg	8:04:38.09	0.29
			Sg	04:42.37	0.45
BEHE	70.2	225	Pg	8:04:45.35	0.29
			Sg	04:56.13	1.29
PKSG	90.3	54	Sg	8:05:00.95	-0.28
PKB4	101.5	117	Pg	8:04:51.37	0.72
			Sg	05:05.22	0.44
KOGS	103.9	240	Sg	8:05:04.20	-1.34
KOVH	105.6	151	Pg	8:04:52.09	0.71
			Sg	05:05.06	-1.03
MORH	121.6	130	Sg	8:05:09.59	-1.59
PKSM	121.8	130	Sg	8:05:09.54	-1.68
CONA	163.1	314	Sn	8:05:18.98	-2.25

690.  
 2020-06-18 time: 9:03:56.63 UTC ML= 1.3  
 lat: 48.626N lon: 20.739E h= 0.0 km  
 erh= 6.1km erz= 5.2km  
 nr= 6 gap=231 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	230	Pg	9:04:01.75	0.73
			Sg	04:04.99	0.55
ABAH	52.1	135	Pg	9:04:05.80	-0.14
PSZ	100.7	219	Pg	9:04:14.62	0.02
			Sg	04:27.55	-1.07
VYHS	141.3	264	Sn	9:04:39.40	-1.10

691.  
 2020-06-18 time: 9:09:36.56 UTC ML= 1.3  
 lat: 47.893N lon: 19.072E h= 0.0 km  
 erh= 3.0km erz= 550km  
 nr= 8 gap=219 rms=0.43  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	19.4	126	Pg	9:09:40.10	0.08
			Sg	09:42.24	-0.47
PSZ	61.5	87	Pg	9:09:47.33	-0.22
			Sg	09:56.23	0.11

VYHS	69.1	345	Pg	9:09:48.84	-0.06
			Sg	09:57.96	-0.57
KECS	123.9	58	ePg	9:09:59.60	0.91
			eSg	10:17.00	1.05

692.  
 2020-06-18 time: 9:51:41.72 UTC ML= 1.3  
 lat: 48.480N lon: 19.558E h= 0.0 km  
 erh= 3.1km erz= 940km  
 nr= 7 gap=114 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	53.4	272	Pg	9:51:51.93	0.68
			Sg	51:58.08	-0.60
PSZ	67.3	158	Pg	9:51:54.31	0.58
			Sg	52:01.94	-1.16
KECS	68.6	90	Pg	9:51:54.13	0.16
			Sg	52:02.76	-0.77
LANS	74.9	355	Sg	9:52:05.03	-0.49

693.  
 2020-06-18 time: 11:17:49.74 UTC ML= 1.5  
 lat: 48.039N lon: 19.587E h= 0.0 km  
 erh= 1.5km erz= 393km  
 nr= 5 gap=101 rms=0.18  
 Locality: Nagylóc  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	26.6	120	Pg	11:17:54.35	-0.14
			Sg	17:58.04	-0.15
VYHS	75.3	312	Sg	11:18:13.49	-0.18
PBUD	77.0	214	Sg	11:18:14.43	0.22
KECS	83.0	53	Pg	11:18:04.76	0.20

694.  
 2020-06-18 time: 23:27:45.25 UTC ML= 2.2  
 lat: 45.884N lon: 16.000E h= 10.1 km  
 erh= 1.7km erz= 1.1km  
 nr= 43 gap= 54 rms=0.80  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.7	298	Pg	23:27:46.86	-0.31
			Sg	27:47.69	-0.97
ZAG	6.1	185	Pg	23:27:47.58	0.22
			Sg	27:48.37	-0.63
GCIS	29.0	266	iPgD	23:27:50.95	0.21
			iSg	27:54.54	-0.47
GOLS	32.4	296	iPg	23:27:51.56	0.25
CRES	42.7	261	Pg	23:27:53.11	0.02
			Sg	27:58.45	-0.75
DOBS	50.6	306	iPgC	23:27:54.77	0.30
LEGS	53.5	278	iPgC	23:27:55.25	0.28
			eSg	28:01.64	-0.90
KOGS	65.6	17	Pg	23:27:57.51	0.41
			Sg	28:05.71	-0.64
BOJS	72.0	234	iPg	23:27:58.06	-0.17
GROS	74.8	329	Pg	23:27:58.68	-0.05
			Sg	28:07.42	-1.82
PDKS	80.2	284	iPgC	23:27:59.90	0.22
BEHE	88.5	43	Pg	23:28:01.58	0.43
			Sg	28:13.60	0.05
ZAVS	97.0	309	iPg	23:28:02.58	-0.10
PERS	107.8	321	Pn	23:28:03.98	-0.46
			Sn	28:17.72	-1.69
SOKA	115.5	320	Pn	23:28:05.33	-0.08
			Sn	28:20.98	-0.15
OBKA	131.8	302	Pn	23:28:08.83	1.39

## Földrengés paraméterek

## Hypocenter Parameters

ARSA	156.2	346	Pn	23:28:12.78	2.30
			Sn	28:31.28	1.12
BLY	156.6	144	Pn	23:28:11.03	0.50
			Sn	28:30.89	0.65
KOVH	164.3	82	Pn	23:28:11.36	-0.12
			Sn	28:29.88	-2.06
PKSV	174.8	90	Pn	23:28:12.77	-0.02
			Sn	28:32.28	-2.00
MPLH	185.4	40	Sn	23:28:37.84	1.20
MYKA	199.9	295	Pn	23:28:19.76	3.84
			Sn	28:43.67	3.83*
RONA	203.1	6	Pn	23:28:18.38	2.06
			Sn	28:45.94	5.38*
PKSM	207.6	80	Pn	23:28:16.80	-0.09
			Sn	28:39.21	-2.35
MORH	207.9	80	Pn	23:28:16.80	-0.12
MOA	255.4	329	Sn	23:28:52.62	0.46

695.

2020-06-19 time: 2:59:34.77 UTC ML= 1.0  
 lat: 47.673N lon: 20.330E h= 14.4 km  
 erh= 1.1km erz= 1.6km  
 nr= 8 gap=142 rms=0.16  
 Locality: Tenk  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	41.7	187	Sg	2:59:48.71	-0.10
PSZ	42.5	310	Pg	2:59:42.93	0.14
			Sg	59:49.17	0.13
PENC	79.7	279	Pg	2:59:49.17	-0.06
			Sg	3:00:00.40	-0.11
KECS	90.9	7	S*	2:60:03.39	-0.25
ABAH	97.0	44	P*	2:59:51.88	-0.05
			S*	3:00:05.83	0.51

696.

2020-06-19 time: 8:01:04.74 UTC ML= 1.4  
 lat: 47.690N lon: 18.729E h= 0.0 km  
 erh= 2.3km erz= 589km  
 nr= 6 gap=143 rms=0.35  
 Locality: Csolnok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	34.1	294	Sg	8:01:15.73	0.15
PKSG	41.8	218	Sg	8:01:18.20	0.17
PENC	42.9	75	Pg	8:01:12.68	0.28
			Sg	01:18.53	0.15
CSKK	50.7	224	Sg	8:01:20.36	-0.48
PSZ	90.9	74	Sg	8:01:32.96	-0.67

697.

2020-06-19 time: 8:10:27.61 UTC ML= 1.4  
 lat: 47.089N lon: 18.017E h= 0.0 km  
 erh= 1.0km erz= 412km  
 nr= 15 gap=103 rms=0.36  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	23.0	204	Pg	8:10:32.15	0.43
CSKK	35.6	31	Sg	8:10:38.99	0.06
MPLH	37.3	284	Pg	8:10:34.00	-0.27
			Sg	10:39.60	0.13
PKSG	44.0	40	Pg	8:10:35.32	-0.14
			Sg	10:41.84	0.25
SRO	83.6	16	Sg	8:10:54.79	0.62
A338	106.0	14	Sg	8:11:01.02	-0.29
MORH	108.3	154	Pg	8:10:47.26	0.31
			Sg	11:01.82	-0.22

PKSM	108.6	154	Pg	8:10:47.18	0.17
			Sg	11:01.02	-1.12
KOVH	111.4	177	Pg	8:10:47.38	-0.13
			Sg	11:02.04	-0.99
PENC	123.2	51	Sg	8:11:06.62	-0.16

698.

2020-06-19 time: 11:11:43.04 UTC ML= 1.9  
 lat: 48.777N lon: 21.709E h= 0.0 km  
 erh= 7.0km erz= 3.3km  
 nr= 6 gap=238 rms=0.38  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TRPA	94.5	140	Pg	11:12:00.30	0.38
			Sg	12:12.38	-0.71
KECS	95.9	250	Pg	11:11:59.91	-0.27
			Sg	12:13.70	0.16
PSZ	165.0	235	Sn	11:12:32.60	0.42
VYHS	214.1	262	Sn	11:12:42.96	-0.12

699.

2020-06-20 time: 9:07:42.17 UTC ML= 1.1  
 lat: 46.142N lon: 18.330E h= 0.0 km  
 erh= 1.5km erz= 492km  
 nr= 10 gap=120 rms=0.40  
 Locality: Vasas  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.8	251	Pg	9:07:44.91	-0.61
			Sg	07:47.80	-0.33
PKSM	25.3	72	Pg	9:07:46.86	0.18
			Sg	07:49.65	-0.55
MORH	25.6	71	Pg	9:07:46.84	0.10
			Sg	07:50.09	-0.22
PKSV	28.8	192	Pg	9:07:47.56	0.25
			Sg	07:51.98	0.66
PKB4	44.7	28	Sg	9:07:57.07	0.70
PKS9	49.6	355	Sg	9:07:57.86	-0.08

700.

2020-06-22 time: 6:43:51.38 UTC ML= 1.8  
 lat: 48.352N lon: 21.346E h= 0.0 km  
 erh= 8.1km erz= 7.1km  
 nr= 6 gap=309 rms=0.64  
 Locality: Baskó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	10.0	232	Pg	6:43:52.71	-0.46
			Sg	43:55.52	0.95
KECS	65.4	283	Pg	6:44:03.45	0.40
			Sg	44:11.89	-0.26
PSZ	118.3	246	Sg	6:44:27.85	-1.13
VYHS	186.5	275	Sn	6:44:46.01	0.73

701.

2020-06-22 time: 9:07:29.54 UTC ML= 1.8  
 lat: 46.304N lon: 22.014E h= 0.0 km  
 erh= 1.5km erz= 2.1km  
 nr= 23 gap= 83 rms=0.79  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SIRR	27.6	262	PgU	9:07:34.58	0.12
			Sg	07:37.94	-0.36
DRGR	76.2	45	Pg	9:07:44.10	0.95

## Hypocenter Parameters

Station	Dist	Azm	Phase	Time	Res
BZS	82.3	202	Sg	07:53.21	-0.55
			Pg	9:07:44.25	0.01
			Sg	07:54.38	-1.33
DEV	83.2	124	Sg	9:07:55.04	-0.94
MARR	94.4	64	PgC	9:07:46.77	0.37
			Sg	07:58.60	-0.96
AMBH	99.3	273	Sg	9:08:00.43	-0.67
GZR	117.3	150	Pg	9:07:51.32	0.84
			Sg	08:06.18	-0.63
MESR	118.2	37	Sg	9:08:04.70	-2.41
LTVH	120.5	356	Sg	9:08:07.05	-0.80
CJR	129.9	69	Sg	9:08:09.54	-1.28
HERR	161.2	169	PnC	9:07:57.03	0.35
			Sn	08:18.30	0.46
LOT	166.2	125	PnC	9:07:58.10	0.80
			Sn	08:19.00	0.04
MDVR	170.8	188	PnC	9:07:58.82	0.95
			Sn	08:20.00	0.03
BMR	189.5	37	Sn	9:08:25.57	1.45
TRPA	207.0	11	Sn	9:08:29.14	1.15

702.

2020-06-22 time: 11:22:59.83 UTC ML= 1.4  
 lat: 48.060N lon: 20.706E h= 0.0 km  
 erh= 7.6km erz= \*\*\*km  
 nr= 5 gap=199 rms=0.65  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.6	56	Sg	11:23:14.61	-0.35
KECS	49.9	341	Pg	11:23:09.73	1.00
			Sg	23:14.87	-0.81
PSZ	62.6	255	Pg	11:23:10.64	-0.36
			Sg	23:19.70	-0.01

703.

2020-06-23 time: 9:59:06.56 UTC ML= 1.0  
 lat: 47.246N lon: 18.229E h= 0.0 km  
 erh= 4.4km erz= 3.7km  
 nr= 6 gap=224 rms=0.40  
 Locality: Bakonykúti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.2	10	Sg	9:59:11.04	0.28
PKSG	20.3	37	Pg	9:59:10.11	-0.07
			Sg	59:13.05	0.04
MPLH	52.9	261	Pg	9:59:16.46	0.45
			Sg	59:22.79	-0.60
VYHS	146.0	18	Sn	9:59:50.70	-0.78

704.

2020-06-23 time: 11:02:51.17 UTC ML= 1.3  
 lat: 48.363N lon: 19.840E h= 0.0 km  
 erh= 1.5km erz= 387km  
 nr= 5 gap=153 rms=0.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	49.6	74	Pg	11:03:00.12	0.09
			Sg	03:06.71	-0.23
PSZ	49.7	175	Pg	11:03:00.24	0.20
			Sg	03:06.74	-0.22
VYHS	75.7	281	Sg	11:03:15.09	-0.14

## Földrengés paraméterek

705.

2020-06-23 time: 11:04:48.89 UTC ML= 1.5  
 lat: 48.382N lon: 19.851E h= 0.0 km  
 erh= 2.5km erz= 795km  
 nr= 8 gap=103 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.3	77	Pg	11:04:58.24	0.73
			Sg	05:04.57	0.34
PSZ	51.7	176	Pg	11:04:58.55	0.43
			Sg	05:04.67	-0.64
VYHS	76.1	279	Sg	11:05:12.50	-0.59
ABAH	103.4	95	Pg	11:05:07.38	0.03
			Sg	05:20.74	-1.00
NIE	120.2	16	Sg	11:05:26.41	-0.67

706.

2020-06-23 time: 12:10:21.77 UTC ML= 1.4  
 lat: 46.144N lon: 18.062E h= 0.0 km  
 erh= 2.6km erz= 351km  
 nr= 7 gap=286 rms=0.24  
 Locality: Okorvölgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.8	154	PgU	12:10:22.83	-0.16
			Sg	10:24.30	0.35
PKSV	32.0	153	Sg	12:10:31.43	-0.51
PKSM	45.4	80	Pg	12:10:30.11	0.23
			Sg	10:35.91	-0.29
MORH	45.7	80	Pg	12:10:30.03	0.10
			Sg	10:36.31	0.02

707.

2020-06-24 time: 6:41:53.08 UTC ML= 1.8  
 lat: 47.845N lon: 19.914E h= 0.0 km  
 erh= 2.3km erz= 3.0km  
 nr= 15 gap=138 rms=0.74  
 Locality: Gyöngyösoroszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	8.3	350	Pg	6:41:54.99	0.43
			Sg	41:56.50	0.78
PENC	47.8	263	Pg	6:42:02.18	0.57
KECS	82.7	31	Sg	6:42:18.45	-0.93
PKS7	105.3	213	Sg	6:42:26.27	-0.28
VYHS	107.9	312	Pg	6:42:12.24	-0.11
			Sg	42:26.27	-1.11
ABAH	110.8	63	Pg	6:42:13.19	0.33
			Sg	42:27.26	-1.03
PKSG	125.1	246	Pg	6:42:15.50	0.08
			Sg	42:31.56	-1.29
CSKK	135.4	247	Sn	6:42:35.09	-0.56
PKB2	139.7	201	Sn	6:42:35.82	-0.79
NIE	177.5	10	Sn	6:42:46.33	1.34
PKSM	205.7	208	Pn	6:42:27.50	1.74

708.

2020-06-24 time: 9:04:37.43 UTC ML= 1.2  
 lat: 48.496N lon: 20.782E h= 0.0 km  
 erh= 4.2km erz= 4.7km  
 nr= 7 gap=213 rms=0.55  
 Locality: Martonyi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.9	266	Pg	9:04:41.63	0.29



## Földrengés paraméterek

ABAH 40.5 123 Sg 04:44.37 -0.03  
 Pg 9:04:45.47 0.81  
 Sg 04:49.79 -0.52  
 PSZ 92.1 226 Pg 9:04:53.33 -0.54  
 Sg 05:06.87 0.18  
 VYHS 143.8 270 Sn 9:05:20.86 -1.00

709.

2020-06-24 time: 9:58:19.69 UTC ML= 1.2  
 lat: 48.456N lon: 19.543E h= 0.0 km  
 erh= 5.5km erz= \*\*\*km  
 nr= 6 gap=173 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	52.4	275	Pg	9:58:29.00	-0.05
			Sg	58:36.15	-0.20
PSZ	65.2	156	Pg	9:58:32.46	1.13
			Sg	58:39.08	-1.34
KECS	69.8	88	Pg	9:58:32.16	0.01
			Sg	58:41.19	-0.67

710.

2020-06-24 time: 9:59:02.31 UTC ML= 0.8  
 lat: 48.458N lon: 19.543E h= 0.0 km  
 erh= 5.1km erz= \*\*\*km  
 nr= 5 gap=173 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	52.4	274	Pg	9:59:11.98	0.30
			Sg	59:18.29	-0.69
PSZ	65.5	157	Pg	9:59:14.48	0.47
			Sg	59:22.66	-0.47
KECS	69.7	88	Sg	9:59:24.04	-0.44

711.

2020-06-24 time: 10:03:29.17 UTC ML= 1.0  
 lat: 47.209N lon: 18.333E h= 0.0 km  
 erh= 2.1km erz= 3.4km  
 nr= 9 gap=112 rms=0.36  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.0	342	Pg	10:03:32.18	-0.19
			Sg	03:34.23	-0.64
PKSG	20.8	12	Pg	10:03:33.03	0.16
			Sg	03:36.00	0.24
MPLH	60.3	266	Pg	10:03:40.10	0.17
MORH	113.0	168	Sg	10:04:04.46	-0.62
PKSM	113.4	168	Pg	10:03:49.98	0.57
			Sg	04:04.89	-0.31
PSZ	141.5	56	Sn	10:04:12.95	-0.14

712.

2020-06-24 time: 10:58:42.11 UTC ML= 1.9  
 lat: 47.329N lon: 18.434E h= 0.0 km  
 erh= 0.7km erz= 1.1km  
 nr= 9 gap=113 rms=0.44  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.7	335	Pg	10:58:43.55	0.07
			Sg	58:44.13	-0.43
CSKK	13.6	286	Pg	10:58:44.84	0.30
			Sg	58:46.68	0.24

## Hypocenter Parameters

MORH 124.8 173 Sg 10:59:22.13 0.35  
 PKSM 125.2 173 Sg 10:59:22.08 0.17  
 PSZ 127.9 59 Sg 10:59:23.00 0.24  
 VYHS 133.0 13 Sn 10:59:22.89 -1.25  
 KOVH 140.3 190 Sn 10:59:24.88 -0.88

713.

2020-06-24 time: 11:26:32.48 UTC ML= 1.5  
 lat: 47.343N lon: 18.450E h= 0.0 km  
 erh= 1.0km erz= 310km  
 nr= 7 gap=114 rms=0.20  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.1	320	Pg	11:26:33.74	0.00
			Sg	26:34.25	-0.48
CSKK	14.5	279	Pg	11:26:35.07	0.00
			Sg	26:37.46	0.37
PSZ	126.0	59	Sg	11:27:12.73	0.19
MORH	126.2	173	Sg	11:27:12.42	-0.16
PKSM	126.6	173	Sg	11:27:12.73	0.02

714.

2020-06-24 time: 11:47:19.48 UTC ML= 1.9  
 lat: 47.388N lon: 18.357E h= 0.0 km  
 erh= 2.8km erz= 3.2km  
 nr= 9 gap=127 rms=1.66  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	2.6	80	Pg	11:47:20.88	0.94
			Sg	47:21.53	1.23
CSKK	7.8	250	Pg	11:47:22.29	1.42
			Sg	47:23.94	1.98
VYHS	128.1	16	Sg	11:47:57.28	-2.92
PSZ	129.7	63	Sg	11:48:00.70	-0.01
MORH	132.1	170	Sn	11:47:58.69	-2.63
PKSM	132.5	171	Sn	11:47:59.39	-2.02
KOVH	145.8	188	Sn	11:48:03.51	-0.85

715.

2020-06-24 time: 13:31:31.95 UTC ML= 1.1  
 lat: 48.423N lon: 20.666E h= 0.0 km  
 erh= 2.7km erz= 593km  
 nr= 6 gap=172 rms=0.36  
 Locality: Alsótelkes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	14.9	297	Pg	13:31:34.36	-0.26
			Sg	31:36.75	0.06
ABAH	44.8	108	Pg	13:31:40.25	0.30
			Sg	31:46.02	-0.17
PSZ	80.2	226	Pg	13:31:46.60	0.32
			Sg	31:56.50	-0.95

716.

2020-06-25 time: 9:09:58.31 UTC ML= 0.6  
 lat: 47.225N lon: 18.248E h= 0.0 km  
 erh= 2.1km erz= 351km  
 nr= 6 gap=198 rms=0.22  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.3	4	Pg	9:10:00.85	-0.20
			Sg	10:03.26	0.07
PKSG	21.4	30	Pg	9:10:02.36	0.22

## Hypocenter Parameters

Sg 10:05.37 0.25  
 MPLH 54.0 263 Sg 9:10:15.46 -0.02  
 PBUD 63.6 65 Sg 9:10:18.17 -0.37

717.

2020-06-25 time: 11:13:47.56 UTC ML= 2.1  
 lat: 48.282N lon: 21.212E h= 0.0 km  
 erh= 1.6km erz= 2.0km  
 nr= 16 gap= 94 rms=0.76  
 Locality: Abaújszántó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	2.6	52	PgU	11:13:47.81	-0.22
			Sg	13:48.55	0.16
KECS	58.3	293	Sg	11:14:05.79	-0.30
PSZ	106.1	248	Pg	11:14:06.32	-0.19
			Sg	14:19.98	-1.31
LTVH	112.3	153	Sg	11:14:21.84	-1.41
STHS	126.2	1	Pg	11:14:10.52	0.41
			Sg	14:27.32	-0.37
NIE	142.6	332	Pn	11:14:12.39	0.01
			Sn	14:31.49	-0.25
LANS	160.7	307	Sn	11:14:36.60	0.86
VYHS	177.5	278	Sn	11:14:41.47	1.98
DRGR	200.5	146	Sn	11:14:44.74	0.16
SIRR	226.5	171	Pn	11:14:24.75	1.91
			Sn	14:51.19	0.84
PKB2	232.4	220	Sn	11:14:55.30	3.65*

718.

2020-06-25 time: 13:17:02.54 UTC ML= 1.6  
 lat: 47.870N lon: 16.035E h= 0.0 km  
 erh= 3.0km erz= 3.6km  
 nr= 17 gap= 75 rms=1.13  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.5	297	Pg	13:17:05.52	0.40
			Sg	17:07.76	0.63
RONA	27.3	134	Pg	13:17:07.15	-0.26
			Sg	17:10.71	-0.50
ARSA	78.9	209	Sg	13:17:26.90	-0.72
MODS	108.2	59	Pg	13:17:23.13	1.28
			Sg	17:36.97	0.06
MOA	132.4	269	Pn	13:17:25.82	-0.25
			Sn	17:42.42	-2.01
KRUC	135.2	11	Pn	13:17:25.11	-1.31
			Sn	17:42.52	-2.54
SOKA	152.7	210	Sn	13:17:48.63	-0.32
PERS	153.8	207	Pn	13:17:30.30	1.55
GROS	161.8	194	Pn	13:17:30.61	0.87
			Sn	17:49.03	-1.93
KBA	221.1	247	Pn	13:17:38.72	1.59
			Sn	18:03.60	-0.52

719.

2020-06-26 time: 5:41:19.01 UTC ML= 0.7  
 lat: 47.282N lon: 17.666E h= 0.0 km  
 erh= 2.1km erz= 635km  
 nr= 5 gap=140 rms=0.28  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	15.7	218	Pg	5:41:21.48	-0.34
			Sg	41:24.43	0.43
EGYH	29.4	301	Sg	5:41:28.57	0.21
PKSG	56.1	77	Sg	5:41:37.00	0.15
ZST	110.1	337	Sg	5:41:53.89	-0.12

## Földrengés paraméterek

720.

2020-06-26 time: 6:59:53.98 UTC ML= 1.2  
 lat: 47.513N lon: 18.675E h= 0.0 km  
 erh= 5.5km erz= 5.6km  
 nr= 8 gap=175 rms=0.64  
 Locality: Mány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	25.3	238	Pg	6:59:59.36	0.86
			Sg	7:00:02.01	-0.02
CSKK	35.4	242	Pg	6:60:00.21	-0.10
			Sg	60:04.33	-0.91
VYHS	109.7	6	Pg	6:60:14.17	0.60
			Sg	60:27.82	-1.03
MORH	144.3	181	Sn	6:60:38.01	-0.51
PKSM	144.7	181	Sn	6:60:38.11	-0.51

721.

2020-06-26 time: 7:12:43.13 UTC ML= 1.4  
 lat: 45.546N lon: 17.269E h= 10.1 km  
 erh= 2.2km erz= 0.6km  
 nr= 9 gap=219 rms=0.13  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	85.5	64	Pg	7:12:58.34	-0.17
			Sg	13:10.59	0.09
KOVH	88.4	47	Pg	7:12:59.04	0.03
			Sg	13:11.39	-0.01
PKSM	129.7	55	Pn	7:13:05.17	0.13
			Sn	13:21.94	-0.19
MORH	130.2	55	Pn	7:13:05.22	0.12
			Sn	13:22.24	0.01
CRES	144.6	282	Sn	7:13:24.85	-0.57

722.

2020-06-26 time: 8:30:31.25 UTC ML= 1.1  
 lat: 47.996N lon: 20.365E h= 0.0 km  
 erh= 3.9km erz= 817km  
 nr= 6 gap=193 rms=0.48  
 Locality: Szarvaskő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	36.2	256	Pg	8:30:38.14	0.43
			Sg	30:42.68	-0.07
KECS	54.9	9	Sg	8:30:48.97	0.26
ABAH	73.1	63	Pg	8:30:44.06	-0.25
			Sg	30:54.64	0.14
VYHS	126.3	296	Sg	8:31:09.67	-1.74

723.

2020-06-26 time: 8:55:47.10 UTC ML= 1.0  
 lat: 46.171N lon: 18.295E h= 0.0 km  
 erh= 0.4km erz=84.3km  
 nr= 8 gap=201 rms=0.06  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.7	239	Pg	8:55:50.24	-0.02
			Sg	55:52.73	0.01
PKSM	27.1	80	Pg	8:55:52.00	0.05
			Sg	55:55.72	0.00
MORH	27.4	80	Pg	8:55:52.00	0.00
			Sg	55:55.22	-0.60
PKSV	31.6	186	Pg	8:55:52.71	-0.03
			Sg	55:57.17	0.03

**Földrengés paraméterek**

**Hypocenter Parameters**

724.

2020-06-26 time: 9:08:11.14 UTC ML= 1.5  
 lat: 47.565N lon: 18.423E h= 0.0 km  
 erh= 1.6km erz= 2.5km  
 nr= 18 gap= 80 rms=0.78  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	19.4	187	Pg	9:08:15.01			0.40
			Sg	08:17.82			0.50
CSKK	25.6	209	Pg	9:08:16.16			0.45
			Sg	08:19.98			0.71
SRO	28.8	343	Sg	9:08:21.64			1.35
BUD	46.2	101	Sg	9:08:25.80			-0.01
MPLH	79.9	237	Pg	9:08:25.56			0.15
VYHS	107.8	17	Pg	9:08:31.02			0.63
			Sg	08:44.48			-0.92
PKB2	116.9	148	Sg	9:08:47.59			-0.72
PSZ	117.1	70	Sg	9:08:48.90			0.52
PKB4	119.6	173	Sg	9:08:48.80			-0.36
MODS	124.1	316	Sg	9:08:49.30			-1.29
SMOL	128.9	325	Sg	9:08:50.81			-1.31
PKB3	139.8	155	Sn	9:08:53.42			-1.27
MORH	151.0	174	Sn	9:08:56.03			-1.13
PKSM	151.4	174	Sn	9:08:55.73			-1.53
KOVH	166.0	189	Sn	9:09:01.15			0.64

725.

2020-06-26 time: 10:46:24.57 UTC ML= 1.8  
 lat: 48.355N lon: 19.856E h= 0.0 km  
 erh= 1.6km erz= 3.7km  
 nr= 16 gap= 83 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	48.6	177	Pg	10:46:33.58			0.33
			Sg	46:40.26			0.24
KECS	48.7	73	Pg	10:46:33.64			0.37
			Sg	46:39.82			-0.23
PENC	76.0	214	Pg	10:46:38.52			0.38
			Sg	46:48.16			-0.56
VYHS	77.1	282	Pg	10:46:38.60			0.27
			Sg	46:47.89			-1.18
LANS	93.0	342	Pg	10:46:41.47			0.30
			Sg	46:53.52			-0.60
ABAH	102.8	94	Pg	10:46:42.12			-0.80
			Sg	46:55.47			-1.77
NIE	123.0	16	Pg	10:46:47.01			0.48
			Sg	47:01.56			-2.10
STHS	155.9	41	Pn	10:46:51.80			0.76
			Sn	47:12.24			0.56

726.

2020-06-26 time: 16:56:12.06 UTC ML= 3.7  
 lat: 45.571N lon: 18.075E h= 3.8 km  
 erh= 1.5km erz= 1.2km  
 nr= 65 gap= 67 rms=0.76  
 Locality: Croatia  
 Comments: felt 4-5 EMS

sta	dist	azm	phase	hr	mn	sec	res
PKSV	37.9	21	PgD	16:56:19.64			0.78
			Sg	56:24.20			0.04
KOVH	57.5	2	PgU	16:56:23.26			0.91
			Sg	56:29.78			-0.60
PKSM	83.7	32	PgD	16:56:27.12			0.10
			Sg	56:36.90			-1.79
MORH	84.2	32	PgD	16:56:27.16			0.05
			Sg	56:37.10			-1.74

PKB4	110.7	22	PgD	16:56:31.87			0.03
			Sg	56:46.87			-0.39
PKS9	114.0	8	PgU	16:56:32.81			0.38
BLY	115.2	217	Pg	16:56:32.57			-0.06
			Sg	56:47.09			-1.59
PKB5	124.8	24	Pn	16:56:33.92			-0.24
			Sn	56:50.87			-0.53
PKB3	128.5	42	Pn	16:56:34.33			-0.29
PKS2	135.1	41	Pn	16:56:36.03			0.59
BEHE	141.8	315	PnU	16:56:36.54			0.26
FRGS	144.4	110	PnU	16:56:35.94			-0.66
			Sn	56:54.99			-0.76
PKB1	145.8	22	Pn	16:56:36.54			-0.24
TIH	148.4	355	PnU	16:56:37.14			0.04
			Sn	56:55.45			-1.19
PKB2	152.2	36	Pn	16:56:37.18			-0.40
PKS6	162.3	45	Pn	16:56:38.82			-0.02
			Sn	56:59.47			-0.26
PTJ	168.8	283	Pn	16:56:39.25			-0.40
KOGS	171.7	305	Pn	16:56:39.72			-0.29
			Sn	57:03.49			1.68
MPLH	182.5	347	PnU	16:56:41.78			0.43
			Sn	57:03.88			-0.32
PKS7	184.2	27	PnU	16:56:41.31			-0.26
GOLS	196.7	284	iPn	16:56:43.00			-0.13
CSKK	199.7	4	PnU	16:56:43.67			0.17
PKSN	202.1	43	Pn	16:56:47.38			3.58
PKSG	203.8	7	PnU	16:56:44.11			0.09
BEO	204.8	114	Sn	16:57:09.28			0.13
CRES	205.9	278	Pn	16:56:44.42			0.15
			Sn	57:08.99			-0.41
EGYH	213.0	344	Pn	16:56:45.89			0.73
BBLS	216.8	151	Pn	16:56:46.22			0.58
			Sn	57:10.83			-1.00
GROS	222.5	296	Pn	16:56:45.99			-0.35
			Sn	57:17.42			4.34
PBUD	222.5	19	Sn	16:57:18.73			5.63*
AMBH	223.0	67	Pn	16:56:46.68			0.27
			Sn	57:18.67			5.47*
BUD	224.7	19	Sn	16:57:18.37			4.79*
BANR	240.2	95	Sn	16:57:23.77			6.74*
TIM	245.9	86	PnC	16:56:51.60			2.34
SRO	249.9	4	Pn	16:56:50.54			0.78
			Sn	57:18.87			-0.31
A339	253.1	353	Pn	16:56:51.14			0.98
			Sn	57:19.56			-0.31
BSZH	255.6	41	PnD	16:56:51.72			1.25
PERS	257.5	297	Pn	16:56:50.43			-0.28
SOP	262.0	334	Pn	16:56:51.48			0.22
PENC	263.4	21	Pn	16:56:51.33			-0.12
			Sn	57:30.56			8.39*
SOKA	265.4	298	Pn	16:56:51.24			-0.45
ARSA	270.8	314	Pn	16:56:52.62			0.25
			Sn	57:32.15			8.34*
RONA	273.0	330	Pn	16:56:52.89			0.25
			Sn	57:22.93			-1.37
BZS	276.4	89	Pn	16:56:52.45			-0.62
SIRR	288.7	74	Pn	16:56:53.82			-0.78
OBKA	292.2	291	Pn	16:56:55.01			-0.02
PSZ	295.7	28	PnD	16:56:54.48			-0.99
			Sn	57:39.84			10.51*
A337	298.0	356	PnU	16:56:56.55			0.79
			Sn	57:28.32			-1.52*
MDVR	299.1	107	PnC	16:56:57.20			1.30*
CONR	301.7	281	ePn	16:56:56.39			0.17*
CONA	311.9	327	Pn	16:56:57.64			0.15*
MODS	317.4	349	PnU	16:56:58.30			0.12*
			Sn	57:32.04			-2.12*
VOJS	329.5	279	ePn	16:56:59.56			-0.13*
VYHS	330.1	10	Pn	16:57:00.00			0.24*
SMOL	330.8	351	PnU	16:56:59.89			0.04*
HERR	349.5	103	PnD	16:57:03.77			1.59*
LTVH	356.3	56	PnD	16:57:03.70			0.67*
BOVS	359.7	127	PnD	16:57:05.05			1.60*
ROBS	362.1	282	iPn	16:57:03.39			-0.36*

## Hypocenter Parameters

MYKA	362.4	289	Pn	16:57:04.15	0.36*
DJES	365.5	107	Sn	16:57:43.37	-1.45*
GZR	368.1	93	Pn	16:57:04.62	0.11*
DRGR	382.8	69	Pn	16:57:05.66	-0.68*
MOA	386.0	311	Pn	16:57:07.65	0.92*
			Sn	57:49.25	-0.12*
KRUC	408.3	342	Pn	16:57:09.18	-0.34*
			Sn	57:51.90	-2.44*
MARR	408.8	73	PnC	16:57:10.63	1.06*
LANS	411.6	15	Pn	16:57:11.14	1.21*
BIOA	413.5	305	Pn	16:57:11.01	0.85*
			Sn	57:55.06	-0.42*
VRAC	430.3	345	PnC	16:57:11.09	-1.16*
TRPA	443.7	50	Pn	16:57:13.64	-0.29*
LOT	445.2	92	PnD	16:57:16.06	1.94*
CJR	445.3	73	PnC	16:57:15.83	1.71*
ABTA	449.1	287	Pn	16:57:15.21	0.61*
MORC	469.3	355	Pn	16:57:17.32	0.20*
			Sn	58:05.26	-2.61*
BMR	476.5	61	PnC	16:57:18.87	0.85*
KRLC	510.1	349	Pn	16:57:22.66	0.46*
			Sn	58:14.38	-2.54*
ARR	513.4	93	PnD	16:57:23.03	0.41*
WTTA	529.6	291	Pn	16:57:26.23	1.60*
			Sn	58:21.48	0.24*
OJC	532.7	14	Pn	16:57:25.49	0.47*
			Sn	58:19.89	-2.04*
WATA	536.4	291	Pn	16:57:27.53	2.04*
			Sn	58:22.88	0.11*
SQTA	559.0	289	Pn	16:57:30.61	2.31*
MOTA	570.7	290	Pn	16:57:30.69	0.93*
			Sn	58:30.29	-0.08*
FETA	588.5	286	Pn	16:57:33.12	1.14*
			Sn	58:34.15	-0.17*
BURA	592.6	67	PnC	16:57:33.55	1.06*
MLR	614.9	91	PnC	16:57:36.92	1.65*
PLOR	668.5	87	PnD	16:57:43.45	1.50*

727.

2020-06-28 time: 0:18:01.02 UTC ML= 1.3  
 lat: 45.558N lon: 18.109E h= 10.2 km  
 erh= 3.3km erz= 1.4km  
 nr= 11 gap=275 rms=0.30  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	38.4	17	Pg	0:18:08.55	0.43
			Sg	18:13.25	-0.40
KOVH	59.0	359	Pg	0:18:11.98	0.27
			Sg	18:18.81	-1.23
PKSM	83.6	30	Pg	0:18:15.82	-0.24
			Sg	18:27.81	0.01
MORH	84.1	30	Pg	0:18:16.01	-0.14
			Sg	18:27.97	0.02
PKB4	111.1	20	Sn	0:18:35.87	-0.01
PKB5	125.1	23	Pn	0:18:22.56	0.22
KOGS	174.7	305	Pn	0:18:28.23	-0.30

728.

2020-06-29 time: 7:04:02.06 UTC ML= 1.5  
 lat: 47.019N lon: 17.961E h= 0.0 km  
 erh= 1.3km erz= 2.0km  
 nr= 12 gap= 94 rms=0.46  
 Locality: Felsőórs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	14.2	201	Pg	7:04:05.01	0.42
			Sg	04:06.34	-0.23
MPLH	36.1	298	Pg	7:04:09.08	0.57
			Sg	04:13.05	-0.49
PKSG	52.7	38	Sg	7:04:18.80	-0.02

## Földrengés paraméterek

MORH	103.5	150	Sg	7:04:35.34	0.38
PKSM	103.8	150	Sg	7:04:33.82	-1.23
KOVH	104.0	174	Pg	7:04:20.48	-0.15
			Sg	04:35.34	0.22
KOGS	145.3	244	Sn	7:04:46.10	-0.73
VYHS	176.7	22	Sn	7:04:53.68	-0.11
PSZ	176.8	56	Sn	7:04:53.48	-0.34

729.

2020-06-29 time: 7:15:51.14 UTC ML= 1.6  
 lat: 48.410N lon: 19.117E h= 0.0 km  
 erh= 1.5km erz= 2.3km  
 nr= 13 gap=123 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	22.8	294	Pg	7:15:55.64	0.44
			Sg	15:58.62	0.25
PENC	70.0	170	Sg	7:16:13.65	0.27
PSZ	79.6	133	Pg	7:16:05.82	0.47
			Sg	16:16.16	-0.28
KECS	101.6	85	Pg	7:16:09.13	-0.15
			Sg	16:22.92	-0.51
PKSG	125.6	206	Pg	7:16:13.89	0.33
			Sg	16:30.15	-0.89
CSKK	132.8	209	Sn	7:16:32.42	-0.72
MODS	136.3	268	Sn	7:16:31.14	-2.76
ABAH	157.9	95	Pn	7:16:18.18	0.33
MORC	190.6	323	Sn	7:16:44.16	-1.80

730.

2020-06-29 time: 7:55:32.74 UTC ML= 1.3  
 lat: 48.068N lon: 20.684E h= 0.0 km  
 erh= 2.8km erz= 4.6km  
 nr= 7 gap=196 rms=0.53  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.5	58	Pg	7:55:41.52	0.13
			Sg	55:47.35	-0.79
KECS	48.5	342	Pg	7:55:41.90	0.50
			Sg	55:48.11	-0.04
PSZ	61.2	254	Pg	7:55:44.09	0.41
			Sg	55:51.60	-0.61
VYHS	145.1	289	Sn	7:56:16.25	-1.22

731.

2020-06-29 time: 9:24:48.94 UTC ML= 1.9  
 lat: 47.330N lon: 18.440E h= 0.0 km  
 erh= 1.8km erz= 3.1km  
 nr= 10 gap=114 rms=0.54  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.8	332	PgU	9:24:50.46	0.13
			Sg	24:50.91	-0.51
CSKK	14.0	285	Pg	9:24:51.97	0.52
			Sg	24:53.75	0.35
MPLH	70.4	255	Sg	9:25:10.57	-0.76
MORH	124.9	173	Sg	9:25:28.44	-0.19
PKSM	125.3	173	Sg	9:25:28.34	-0.42
PSZ	127.4	59	Sg	9:25:29.85	0.41
VYHS	132.8	13	Sn	9:25:29.45	-1.47
KOVH	140.5	191	Sn	9:25:33.26	0.62

## Földrengés paraméterek

## Hypocenter Parameters

732.

2020-06-29 time: 10:00:19.03 UTC ML= 1.6  
 lat: 48.136N lon: 16.908E h= 0.0 km  
 erh= 3.2km erz= 3.8km  
 nr= 12 gap=149 rms=0.71  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	38.1	46	Pg	10:00:25.64	-0.19
			Sg	00:30.53	-0.61
RONA	66.7	223	Pg	10:00:31.19	0.26
			Sg	00:39.38	-0.83
CONA	81.4	254	Pg	10:00:33.94	0.38
			Sg	00:44.02	-0.88
KRUC	109.7	340	Pg	10:00:39.03	0.41
			Sg	00:52.92	-0.99
ARSA	143.2	227	Pn	10:00:44.42	0.51
			Sn	01:02.79	-0.53
VYHS	148.4	74	Pn	10:00:45.93	1.36
			Sn	01:02.27	-2.22

733.

2020-06-29 time: 15:13:32.54 UTC ML= 1.3  
 lat: 48.046N lon: 19.601E h= 0.0 km  
 erh= 5.0km erz= 804km  
 nr= 6 gap=217 rms=0.48  
 Locality: Nagylóc  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	26.1	123	Pg	15:13:37.51	0.30
			Sg	13:40.47	-0.38
PENC	37.1	220	Pg	15:13:39.71	0.54
			Sg	13:43.48	-0.86
ABAH	125.0	77	Pg	15:13:54.91	0.04
			Sg	14:11.55	-0.73

734.

2020-06-29 time: 21:18:11.75 UTC ML= 2.2  
 lat: 45.900N lon: 16.022E h= 11.4 km  
 erh= 2.0km erz= 1.2km  
 nr= 27 gap= 64 rms=0.74  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.9	270	Pg	21:18:13.62	-0.36
			Sg	18:14.48	-1.23
ZAG	8.2	195	Pg	21:18:14.52	0.26
			Sg	18:16.15	-0.07
CRES	44.6	259	Pg	21:18:20.32	0.34
			Sg	18:26.19	-0.21
KOGS	63.5	16	Pg	21:18:23.74	0.47
			Sg	18:31.82	-0.43
GROS	74.2	327	Pg	21:18:25.35	0.20
			Sg	18:34.33	-1.28
BEHE	86.1	43	Pg	21:18:27.56	0.31
			Pn	21:18:30.79	0.06
PERS	107.5	320	Sn	18:44.05	-1.49
			Pn	21:18:32.19	0.49
SOKA	115.3	319	Sn	18:45.96	-1.30
			Pn	21:18:38.24	1.60
ARSA	154.9	346	Sn	18:56.75	0.69
			Pn	21:18:37.42	0.51
BLY	157.1	145	Pn	21:18:37.66	0.09
			Sn	18:56.06	-1.65
KOVH	162.4	83	Pn	21:18:39.08	0.17
			Sn	18:57.66	-2.43
PKSV	173.1	90	Pn	21:19:03.53	1.24
			Sn	21:19:05.65	0.43
MPLH	183.0	40	Sn	21:19:11.73	5.41*
			Sn	21:19:11.73	5.41*

SOP	202.5	12	Sn	21:19:06.13	-0.48
PKSM	205.7	80	Pn	21:18:42.85	-0.12
MORH	206.0	80	Pn	21:18:42.85	-0.16
PKB4	210.0	72	Sn	21:19:13.78	5.49*

735.

2020-06-30 time: 8:16:13.13 UTC ML= 0.5  
 lat: 46.201N lon: 18.294E h= 0.0 km  
 erh= 3.7km erz= 506km  
 nr= 7 gap=217 rms=0.37  
 Locality: Kisbattyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.5	230	Pg	8:16:16.61	-0.01
			Sg	16:19.83	0.49
PKSM	26.9	88	Pg	8:16:17.77	-0.15
			Sg	16:22.09	0.43
MORH	27.1	87	Pg	8:16:17.80	-0.17
			Sg	16:22.11	0.37
PKSV	34.9	185	Sg	8:16:23.17	-1.06

736.

2020-06-30 time: 8:58:21.55 UTC ML= 1.8  
 lat: 46.894N lon: 17.261E h= 0.0 km  
 erh= 4.2km erz= \*\*\*km  
 nr= 12 gap=103 rms=1.47  
 Locality: Zalaszántó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	37.3	35	Pg	8:58:29.64	1.43
			Sg	58:33.57	0.17
TIH	48.1	89	Sg	8:58:36.12	-0.73
			Sg	8:58:40.09	-0.54
BEHE	60.0	218	Sg	8:58:49.49	0.95
			Sg	8:58:50.83	0.03
KOVH	110.3	144	Pg	8:58:43.28	2.03
			Sg	58:56.72	0.11
PKB4	111.8	113	Sg	8:58:56.07	-1.01
			Sg	8:58:57.55	-0.73
MORH	130.1	125	Sg	8:58:59.94	-2.97
			Sg	8:59:00.09	-2.84

737.

2020-06-30 time: 9:07:47.17 UTC ML= 0.5  
 lat: 47.205N lon: 18.116E h= 0.0 km  
 erh= 8.8km erz= \*\*\*km  
 nr= 6 gap=188 rms=0.85  
 Locality: Várpalota  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.7	32	Pg	9:07:51.93	1.06
			Sg	07:54.14	0.38
PKSG	29.4	45	Pg	9:07:52.53	0.11
			Sg	07:55.37	-1.14
PKSM	117.5	160	Sg	9:08:24.09	-0.42
			Sg	9:08:23.24	-1.48

738.

2020-06-30 time: 12:08:18.99 UTC ML= 1.6  
 lat: 48.490N lon: 20.375E h= 0.0 km  
 erh= 6.2km erz= 537km  
 nr= 6 gap=246 rms=0.36  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	8.2	95	Pg	12:08:20.52	0.07

## Hypocenter Parameters

		Sg	08:21.63	0.04
ABAH	67.5 109	Pg	12:08:31.17	0.12
		Sg	08:38.62	-1.84
PSZ	72.9 209	Pg	12:08:32.01	0.00
		Sg	08:42.31	0.14

739.

2020-06-30 time: 19:52:04.69 UTC ML= 2.3  
 lat: 45.897N lon: 16.029E h= 10.0 km  
 erh= 1.9km erz= 1.2km  
 nr= 24 gap=117 rms=0.56  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.5	274	Pg	19:52:06.31	-0.42
			Sg	52:07.36	-0.96
ZAG	8.0	200	Pg	19:52:07.20	0.23
			Sg	52:07.95	-0.81
GCIS	31.3	264	iPg	19:52:10.94	0.38
			iSg	52:14.79	-0.35
GOLS	33.8	292	iPg	19:52:11.47	0.49
			eSg	52:15.81	-0.09
CRES	45.1	260	Pg	19:52:13.08	0.14
DOBS	51.7	303	iPg	19:52:14.51	0.43
			eSg	52:21.26	-0.15
LEGS	55.5	276	iPg	19:52:15.20	0.45
			eSg	52:21.53	-1.08
KOGS	63.6	16	Pg	19:52:16.57	0.38
			Sg	52:24.57	-0.59
GROS	74.8	327	Pg	19:52:18.13	-0.03
PERS	108.2	319	Pn	19:52:23.52	-0.41
			Sn	52:37.00	-1.93
SOKA	115.9	319	Sn	19:52:39.76	-0.90
OBKA	133.0	301	Pn	19:52:28.68	1.66
			Sn	52:44.08	-0.37
ARSA	155.4	346	Pn	19:52:30.86	1.04
			Sn	52:49.36	-0.06
KOVH	161.8	82	Pn	19:52:30.34	-0.28

740.

2020-07-01 time: 4:02:58.09 UTC ML= 2.5  
 lat: 45.897N lon: 16.023E h= 9.9 km  
 erh= 1.1km erz= 0.9km  
 nr= 55 gap= 54 rms=0.63  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.0	274	Pg	4:02:59.78	-0.30
			Sg	03:00.70	-0.93
ZAG	7.9	197	PgD	4:03:00.60	0.25
			Sg	03:02.43	0.31
GCIS	30.9	264	iPgD	4:03:04.29	0.41
			iSg	03:08.29	-0.10
GOLS	33.4	292	iPg	4:03:04.77	0.46
			iSg	03:10.02	0.86
CESS	44.2	281	iPg	4:03:07.07	0.89
			iSg	03:12.62	0.12
CRES	44.7	260	Pg	4:03:06.27	0.01
			Sg	03:12.16	-0.47
LEGS	55.0	276	iPg	4:03:08.46	0.39
			iSg	03:15.01	-0.84
KOGS	63.7	16	Pg	4:03:09.93	0.32
			Sg	03:18.19	-0.40
BOJS	74.2	234	iPg	4:03:11.40	-0.06
			iSg	03:21.27	-0.62
GROS	74.5	327	PgD	4:03:11.44	-0.07
			Sg	03:20.62	-1.36
BEHE	86.2	42	Pg	4:03:14.05	0.46
			Sg	03:24.56	-1.12
VISS	92.5	264	iPg	4:03:14.35	-0.35
			iSg	03:27.79	0.13

## Földrengés paraméterek

ZAVS	97.5 308	iPg	4:03:15.75	0.16
		iSg	03:27.29	-1.95
GBRS	102.8 247	iPg	4:03:16.01	-0.52
		iSg	03:31.41	0.49
VNDS	104.9 283	iP*	4:03:17.14	0.29
		iS*	03:31.29	-0.20
PERS	107.8 320	Pn	4:03:16.90	-0.39
		Sn	03:30.23	-2.04
SOKA	115.6 319	Pn	4:03:18.09	-0.17
		Sn	03:32.67	-1.33
OBKA	132.6 301	Pn	4:03:21.41	1.03
		Sn	03:38.08	0.31
ARSA	155.3 346	Pn	4:03:23.94	0.73
		Sn	03:42.61	-0.19
BLY	156.7 144	Pn	4:03:23.68	0.29
		Sn	03:43.07	-0.06
KOVH	162.3 82	Pn	4:03:23.63	-0.46
		Sn	03:42.28	-2.09
PKSV	173.0 90	Pn	4:03:25.07	-0.35
		Sn	03:43.92	-2.83*
TIH	182.0 52	Pn	4:03:26.91	0.37
MPLH	183.2 39	Pn	4:03:26.68	-0.01
		Sn	03:49.97	0.96
EGYH	196.5 31	Sn	4:03:52.29	0.34
RONA	201.5 6	Pn	4:03:30.69	1.72
MORH	205.9 80	Pn	4:03:28.88	-0.64
PKB4	210.1 72	Pn	4:03:29.57	-0.47
CONA	226.2 357	Pn	4:03:33.44	1.39
KBA	244.0 303	Sn	4:04:03.73	1.23
MOA	255.1 328	Pn	4:03:37.70	2.05
		Sn	04:05.76	0.81

741.

2020-07-01 time: 7:07:17.81 UTC ML= 1.9  
 lat: 48.990N lon: 18.294E h= 0.0 km  
 erh= 2.1km erz= 2.4km  
 nr= 20 gap= 76 rms=0.84  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	68.1	144	Pg	7:07:29.84	-0.12
			Sg	07:37.76	-1.68
SMOL	82.8	230	Pg	7:07:33.27	0.68
			Sg	07:44.92	0.79
LANS	87.6	78	Pg	7:07:33.91	0.46
			Sg	07:46.02	0.37
MODS	101.5	228	Pg	7:07:36.08	0.14
			Sg	07:50.74	0.66
MORC	103.1	328	Pg	7:07:35.53	-0.69
			Sg	07:49.67	-0.91
KRUC	139.1	273	Pn	7:07:40.95	-1.24
PENC	152.1	151	Sn	7:08:02.93	-1.16
NIE	154.7	72	Sn	7:08:05.04	0.39
KRLC	163.0	318	Pn	7:07:44.67	-0.49
			Sn	08:06.52	0.03
PSZ	168.0	135	Sn	7:08:08.36	0.75
KECS	170.8	109	Pn	7:07:46.82	0.69
			Sn	08:06.26	-1.97
OJC	174.7	38	Pn	7:07:48.19	1.57
			Sn	08:09.17	0.07

742.

2020-07-01 time: 8:17:37.49 UTC ML= 1.3  
 lat: 47.550N lon: 18.492E h= 0.0 km  
 erh= 2.7km erz= 1.7km  
 nr= 8 gap=209 rms=0.25  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.2	203	Pg	8:17:41.11	0.19
			Sg	17:43.92	0.33

## Földrengés paraméterek

CSKK 27.1 220 Pg 8:17:42.32 -0.02  
 Sg 17:45.96 -0.16  
 PSZ 112.9 69 Pg 8:17:57.85 0.19  
 Sg 18:13.08 -0.30  
 MORH 148.8 176 Sn 8:18:22.60 -0.44  
 PKSM 149.2 176 Sn 8:18:22.65 -0.48

743.

2020-07-01 time: 8:37:31.01 UTC ML= 1.8  
 lat: 48.349N lon: 21.243E h= 0.0 km  
 erh= 2.4km erz= 5.3km  
 nr= 9 gap=124 rms=0.62  
 Locality: Boldogkőváralja  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	5.9	182	PgU	8:37:32.30	0.24
			Sg	37:32.99	0.12
KECS	58.0	285	Pg	8:37:42.02	0.65
			Sg	37:49.19	-0.26
TRPA	99.3	104	Pg	8:37:48.97	0.22
			Sg	38:02.30	-0.28
KOLS	100.0	49	Sg	8:38:01.74	-1.05
PSZ	111.2	245	Sg	8:38:03.49	-2.86
VYHS	178.9	275	Sn	8:38:23.08	-0.15

744.

2020-07-01 time: 9:44:42.59 UTC ML= 1.2  
 lat: 48.596N lon: 20.780E h= 0.0 km  
 erh= 2.5km erz= 689km  
 nr= 6 gap=155 rms=0.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.1	240	Sg	9:44:50.87	0.31
ABAH	47.7	134	Pg	9:44:51.12	0.02
			Sg	44:57.95	0.22
NIE	97.6	340	Sg	9:45:13.31	-0.31
PSZ	100.0	221	Pg	9:45:00.66	0.21
			Sg	45:13.01	-1.37

745.

2020-07-01 time: 10:47:57.05 UTC ML= 1.3  
 lat: 48.053N lon: 20.525E h= 0.0 km  
 erh= 5.9km erz= 473km  
 nr= 5 gap=256 rms=0.23  
 Locality: Répáshuta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.0	356	Pg	10:48:05.75	0.14
			Sg	48:11.90	-0.39
PSZ	49.4	252	Pg	10:48:06.11	0.24
			Sg	48:12.85	0.09
PENC	97.4	253	Pg	10:48:14.20	-0.25

746.

2020-07-01 time: 19:34:13.07 UTC ML= 1.0  
 lat: 47.888N lon: 19.383E h= 7.3 km  
 erh= 6.8km erz=19.1km  
 nr= 7 gap=130 rms=0.76  
 Locality: Bercel  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	13.2	215	Pg	19:34:15.53	-0.23
			Sg	34:17.83	-0.03
PSZ	38.4	85	Pg	19:34:19.83	-0.22
			Sg	34:25.17	-0.32

## Hypocenter Parameters

A338 78.3 280 Pg 19:34:27.12 0.01  
 VYHS 78.8 329 Pg 19:34:28.49 1.29  
 Sg 34:35.93 -2.28

747.

2020-07-02 time: 8:41:13.11 UTC ML= 2.1  
 lat: 48.232N lon: 21.247E h= 0.0 km  
 erh= 1.2km erz= 1.9km  
 nr= 13 gap= 98 rms=0.37  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.1	356	PgU	8:41:14.50	0.12
			Sg	41:15.27	-0.10
KECS	62.9	296	Pg	8:41:24.76	0.41
			Sg	41:32.49	-0.62
TRPA	96.8	97	Pg	8:41:30.10	-0.30
			Sg	41:43.44	-0.44
LTVH	106.2	153	Sg	8:41:47.12	0.25
PSZ	106.6	251	Pg	8:41:32.47	0.31
			Sg	41:45.90	-1.11
KOLS	108.7	44	Pg	8:41:32.88	0.36
			Sg	41:47.23	-0.43
STHS	131.7	360	eSn	8:41:54.90	0.03
NIE	148.7	333	Sn	8:41:58.63	0.00

748.

2020-07-02 time: 8:54:28.15 UTC ML= 1.5  
 lat: 47.336N lon: 18.430E h= 0.0 km  
 erh= 1.5km erz= 8.8km  
 nr= 10 gap=113 rms=0.49  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.9	335	PgU	8:54:29.17	-0.20
			Sg	54:29.68	-0.65
CSKK	13.1	283	Pg	8:54:30.52	0.03
			Sg	54:32.32	0.00
MORH	125.6	173	Pg	8:54:51.45	0.87
			Sg	55:07.74	-0.33
PKSM	126.0	173	Sg	8:55:07.68	-0.53
PSZ	127.7	60	Pg	8:54:51.35	0.39
			Sg	55:08.60	-0.15
KOVH	141.0	190	Sn	8:55:09.47	-2.49

749.

2020-07-02 time: 8:56:04.26 UTC ML= 2.0  
 lat: 47.345N lon: 18.422E h= 0.0 km  
 erh= 1.4km erz= 3.1km  
 nr= 18 gap= 93 rms=0.68  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.7	336	PgU	8:56:05.55	0.27
			Sg	56:05.95	-0.12
CSKK	12.4	279	PgU	8:56:06.92	0.45
			Sg	56:08.72	0.53
BUD	48.0	71	Sg	8:56:20.73	1.22
MPLH	69.6	254	Sg	8:56:25.26	-1.11
PENC	81.5	53	Sg	8:56:29.64	-0.52
PKS9	85.0	187	Sg	8:56:31.11	-0.16
PKB5	86.7	164	Sg	8:56:31.75	-0.08
PKB4	95.4	172	Sg	8:56:35.06	0.49
MORH	126.7	172	Pg	8:56:27.25	0.37
			Sg	56:43.23	-1.30
PKSM	127.1	172	Sg	8:56:43.89	-0.77
PSZ	127.7	60	Pg	8:56:26.89	-0.18
			Sg	56:44.09	-0.76
KOVH	141.9	190	Sn	8:56:47.91	-0.36

## Hypocenter Parameters

MODS 142.9 323 Sn 8:56:45.47 -3.02  
 PKSV 162.4 185 Sn 8:56:54.50 1.67

750.

2020-07-02 time: 9:21:30.84 UTC ML= 1.0  
 lat: 48.491N lon: 20.755E h= 0.0 km  
 erh= 5.7km erz= 864km  
 nr= 6 gap=214 rms=0.50  
 Locality: Bódvarákó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	19.9	267	Pg	9:21:33.99	-0.41
			Sg	21:37.49	0.32
ABAH	41.9	121	Pg	9:21:38.39	0.06
			Sg	21:43.97	-0.20
PSZ	90.3	225	Pg	9:21:47.68	0.73
			Sg	21:58.59	-0.94

751.

2020-07-02 time: 9:24:52.40 UTC ML= 1.5  
 lat: 46.868N lon: 22.898E h= 0.0 km  
 erh= 5.7km erz= 3.5km  
 nr= 8 gap=262 rms=0.48  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	16.6	239	Pg	9:24:55.16	-0.20
			Sg	24:57.93	0.27
MARR	27.2	142	PgD	9:24:56.86	-0.40
			Sg	25:01.50	0.45
SIRR	116.0	235	Pg	9:25:13.28	0.16
			Sg	25:27.65	-1.63
GZR	164.2	183	Pn	9:25:20.52	0.62
			Sn	25:41.11	-0.25

752.

2020-07-02 time: 9:47:51.34 UTC ML= 0.8  
 lat: 47.192N lon: 18.260E h= 0.0 km  
 erh= 2.8km erz= 363km  
 nr= 7 gap=175 rms=0.24  
 Locality: Csőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.0	0	Pg	9:47:54.84	0.10
			Sg	47:56.83	-0.55
PKSG	24.3	24	Pg	9:47:55.96	0.28
			Sg	47:58.97	-0.10
MORH	112.5	165	Sg	9:48:26.80	-0.29
PKSM	112.8	165	Sg	9:48:27.21	0.00
KOVH	123.3	186	Sg	9:48:30.57	0.02

753.

2020-07-02 time: 10:06:47.19 UTC ML= 1.3  
 lat: 48.480N lon: 19.556E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 7 gap=160 rms=0.70  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	67.4	158	Pg	10:06:59.94	0.72
			Sg	07:08.11	-0.49
KECS	68.7	90	Pg	10:07:00.20	0.74
			Sg	07:08.62	-0.41
LANS	74.8	355	Sg	10:07:10.80	-0.17
PENC	79.4	195	Sg	10:07:11.29	-1.13
NIE	118.2	28	Sg	10:07:23.90	-0.85

## Földrengés paraméterek

754.

2020-07-02 time: 10:07:46.94 UTC ML= 1.3  
 lat: 48.472N lon: 19.562E h= 0.0 km  
 erh= 4.3km erz= 916km  
 nr= 6 gap=197 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	66.4	158	Pg	10:07:59.22	0.43
			Sg	08:07.18	-0.85
KECS	68.3	89	Pg	10:07:59.42	0.28
			Sg	08:08.51	-0.15
LANS	75.8	355	Sg	10:08:11.37	0.35
NIE	118.8	28	Sg	10:08:23.52	-1.18

755.

2020-07-02 time: 10:15:04.90 UTC ML= 1.5  
 lat: 48.422N lon: 17.182E h= 0.0 km  
 erh= 1.9km erz= 685km  
 nr= 10 gap=100 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	8.9	127	Pg	10:15:06.48	0.00
			Sg	15:08.22	0.50
SMOL	20.9	61	Pg	10:15:08.52	-0.12
			Sg	15:11.02	-0.54
KRUC	91.8	321	Pg	10:15:21.62	0.33
			Sg	15:33.91	-0.16
RONA	103.9	219	Pg	10:15:23.41	-0.05
			Sg	15:36.84	-1.09
CONA	112.5	241	Pg	10:15:25.93	0.94
			Sg	15:39.66	-0.99

756.

2020-07-03 time: 6:23:09.35 UTC ML= 0.9  
 lat: 47.284N lon: 17.631E h= 0.0 km  
 erh= 2.0km erz= 2.7km  
 nr= 6 gap=113 rms=0.51  
 Locality: Homokbödöge  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	14.4	209	Pg	6:23:12.23	0.31
			Sg	23:14.47	0.54
EGYH	27.0	303	Sg	6:23:17.31	-0.63
A338	97.7	34	Sg	6:23:40.58	0.16
KOVH	137.7	165	Sn	6:23:52.40	-0.02
MORH	141.7	147	Sn	6:23:52.18	-1.15

757.

2020-07-03 time: 8:15:10.30 UTC ML= 2.5  
 lat: 45.897N lon: 16.044E h= 10.0 km  
 erh= 1.3km erz= 0.9km  
 nr= 46 gap= 62 rms=0.58  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	6.7	272	Pg	8:15:12.16	-0.29
			Sg	15:13.22	-0.91
ZAG	8.5	207	Pg	8:15:12.98	0.32
			Sg	15:14.94	0.45
GCIS	32.5	264	iPg	8:15:16.67	0.30
			iSg	15:20.71	-0.40
GOLS	34.9	291	iPg	8:15:17.11	0.33
CESS	45.8	281	iPg	8:15:19.19	0.51



## Földrengés paraméterek

		iSg	15:24.95	-0.26		
CRES	46.3	260	Pg	8:15:19.06	0.30	
			Sg	15:24.89	-0.46	
DOBS	52.6	302	iPgD	8:15:20.20	0.34	
LEGS	56.6	276	iPg	8:15:20.82	0.25	
KOGS	63.2	15	Sg	8:15:30.36	-0.30	
GROS	75.3	326	Pg	8:15:23.69	-0.18	
			Sg	15:32.98	-1.48	
BOJS	75.6	235	iPg	8:15:23.74	-0.18	
PDKS	83.1	283	iPg	8:15:25.22	-0.02	
VISS	94.1	264	iPg	8:15:26.98	-0.23	
ZAVS	98.8	307	iPg	8:15:27.88	-0.15	
GBRS	104.3	247	iP*	8:15:28.47	-0.51	
PERS	108.8	319	Pn	8:15:29.10	-0.52	
			Sn	15:42.38	-2.31	
SOKA	116.6	318	Pn	8:15:30.36	-0.23	
OBKA	133.9	301	Pn	8:15:33.66	0.91	
			Sn	15:50.10	-0.16	
ARSA	155.6	345	Pn	8:15:36.44	0.98	
			Sn	15:54.72	-0.36	
BLY	155.9	145	Pn	8:15:35.75	0.26	
			Sn	15:54.10	-1.03	
KOVH	160.7	82	Pn	8:15:35.82	-0.27	
PKSV	171.4	90	Pn	8:15:37.17	-0.26	
			Sn	15:56.05	-2.54	
MPLH	182.2	39	Sn	8:16:01.58	0.61	
RONA	201.3	5	Pn	8:15:42.77	1.62	
			Sn	16:10.06	4.85*	
MYKA	202.3	294	Pn	8:15:42.24	0.96	
			Sn	16:05.72	0.28	
PKSM	204.0	80	Pn	8:15:41.11	-0.39	
			Sn	16:05.46	-0.37	
MORH	204.3	80	Pn	8:15:41.29	-0.24	
			Sn	16:10.54	4.65*	
CONA	226.2	356	Pn	8:15:45.60	1.34	
			Sn	16:10.96	0.22	
KBA	245.3	302	Pn	8:15:47.33	0.69	
			Sn	16:15.92	0.93	
MOA	255.8	328	Pn	8:15:49.19	1.23	
			Sn	16:17.12	-0.21	

758.

2020-07-03 time: 8:17:45.53 UTC ML= 1.4  
 lat: 47.336N lon: 18.458E h= 0.0 km  
 erh= 1.7km erz= 583km  
 nr= 8 gap=114 rms=0.41  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.0	321	PgU	8:17:46.99	0.02
			Sg	17:47.42	-0.67
CSKK	15.2	282	Pg	8:17:48.79	0.54
			Sg	17:49.96	-0.41
MORH	125.3	173	Sg	8:18:25.38	0.02
PKSM	125.7	174	Sg	8:18:25.07	-0.42
PSZ	125.9	59	Pg	8:18:08.40	0.39
			Sg	18:25.08	-0.47

759.

2020-07-03 time: 9:29:42.51 UTC ML= 1.6  
 lat: 48.829N lon: 21.650E h= 0.0 km  
 erh= 1.1km erz= 2.2km  
 nr= 12 gap=100 rms=0.34  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	47.2	76	Pg	9:29:50.81	-0.12
			Sg	29:57.80	0.30
ABAH	66.6	207	Pg	9:29:54.64	0.24
			Sg	30:03.27	-0.41
STHS	71.7	336	Sg	9:30:05.05	-0.25

## Hypocenter Parameters

KECS	94.0	246	Pg	9:29:59.59	0.29
			Sg	30:10.16	-2.23*
TRPA	101.8	140	Pg	9:30:00.56	-0.13
			Sg	30:14.55	-0.33
NIE	117.5	304	Pg	9:30:03.62	0.12
PSZ	164.9	232	Pn	9:30:10.57	0.47
			Sn	30:30.79	-0.83

760.

2020-07-03 time: 9:56:20.62 UTC ML= 1.1  
 lat: 48.501N lon: 19.551E h= 0.0 km  
 erh= 6.6km erz=11.4km  
 nr= 6 gap=131 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	69.1	92	Pg	9:56:33.48	0.51
			Sg	56:41.86	-0.73
PSZ	69.6	158	Pg	9:56:33.84	0.79
			Sg	56:41.60	-1.15
NIE	116.4	29	Sg	9:56:57.23	-0.39
A337	133.6	258	Sn	9:57:02.23	-0.56

761.

2020-07-03 time: 10:07:16.89 UTC ML= 1.1  
 lat: 48.821N lon: 20.178E h= 0.0 km  
 erh= 3.4km erz= 4.6km  
 nr= 10 gap=118 rms=0.88  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	43.9	149	Pg	10:07:25.03	0.31
			Sg	07:30.76	-0.07
LANS	63.6	305	Sg	10:07:35.56	-1.55
NIE	67.3	8	Pg	10:07:29.23	0.33
			Sg	07:37.71	-0.56
ABAH	97.7	127	Sg	10:07:47.41	-0.54
PSZ	102.5	192	Pg	10:07:36.17	0.97
			Sg	07:47.36	-2.12
OJC	158.0	350	Sn	10:08:04.14	-0.34
A337	187.7	250	Sn	10:08:12.33	1.27

762.

2020-07-04 time: 11:51:52.41 UTC ML= 1.0  
 lat: 48.584N lon: 20.813E h= 0.0 km  
 erh= 2.3km erz= 623km  
 nr= 7 gap=157 rms=0.42  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.7	245	Pg	11:51:57.35	0.18
			Sg	52:01.08	0.19
ABAH	45.0	135	Pg	11:52:00.75	0.31
			Sg	52:06.50	-0.20
NIE	99.8	338	Sg	11:52:23.52	-0.59
PSZ	100.7	223	Pg	11:52:10.53	0.14
			Sg	52:22.92	-1.50

763.

2020-07-04 time: 19:03:35.94 UTC ML= 1.3  
 lat: 45.661N lon: 17.999E h= 15.0 km  
 erh= 6.2km erz= 4.2km  
 nr= 11 gap=157 rms=0.89  
 Locality: Croatia  
 Comments:

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKSV	32.0	38	Pg	19:03:42.54	0.29
			Sg	03:47.05	-0.12
KOVH	48.1	9	Pg	19:03:45.90	0.97
			Sg	03:52.30	0.35
PKSM	78.9	39	Pg	19:03:50.06	-0.22
			Sg	03:59.78	-1.68
MORH	79.4	39	P*	19:03:50.14	-0.21
			S*	04:00.23	-1.37
BLY	120.0	212	Sn	19:04:09.85	-1.82
FRGS	153.4	112	Pn	19:04:01.58	1.40
			Sn	04:19.53	0.44

764.

2020-07-04 time: 23:16:52.03 UTC ML= 1.2  
 lat: 46.779N lon: 19.361E h= 10.9 km  
 erh= 1.3km erz= 1.3km  
 nr= 34 gap= 71 rms=0.59  
 Locality: Izsák  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKB2	14.8	218	Pg	23:16:55.60	0.28
			Sg	16:58.34	0.46
PKS6	25.3	142	PgU	23:16:56.77	-0.18
			Sg	17:00.69	-0.09
PKS7	33.5	333	Pg	23:16:58.14	-0.19
			Sg	17:03.76	0.52
PKS2	33.9	200	Pg	23:16:58.84	0.45
			Sg	17:04.18	0.84
PKSN	40.8	71	Pg	23:16:59.58	0.01
			Sg	17:05.43	-0.02
PKB3	41.5	198	Pg	23:16:59.73	0.04
			Sg	17:05.29	-0.38
PKB1	43.5	271	Pg	23:17:00.57	0.53
			Sg	17:06.12	-0.16
PKB5	52.1	247	Pg	23:17:02.02	0.49
			Sg	17:08.89	-0.05
PKB4	66.0	242	Pg	23:17:04.08	0.11
			Sg	17:12.89	-0.40
MORH	83.4	221	Pg	23:17:06.52	-0.53
			Sg	17:17.63	-1.13
PKSM	83.8	221	Pg	23:17:06.55	-0.58
			Sg	17:17.13	-1.78
PKS9	85.5	256	Pg	23:17:08.06	0.63
			Sg	17:18.69	-0.75
PKSG	100.4	313	P*	23:17:10.28	0.26
			S*	17:23.30	-0.75
PENC	112.6	357	Pn	23:17:10.17	-1.54
PKST	114.1	298	Pn	23:17:11.42	-0.48
			Sn	17:25.39	-2.00
KOVH	123.7	232	Pn	23:17:13.98	0.89
			Sn	17:30.05	0.54
PSZ	132.9	18	Pn	23:17:14.86	0.62
			Sn	17:31.24	-0.32
MPLH	145.3	287	Sn	23:17:35.23	0.92

765.

2020-07-05 time: 20:49:05.62 UTC ML= 0.7  
 lat: 47.619N lon: 19.482E h= 21.6 km  
 erh= 4.7km erz= 5.4km  
 nr= 7 gap=158 rms=0.74  
 Locality: Bag  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	24.3	322	Pg	20:49:11.93	0.57
			Sg	49:15.19	-0.65
BUD	37.6	246	Sg	20:49:18.92	-0.28
PSZ	45.4	43	Pg	20:49:15.41	0.99
			Sg	49:20.07	-1.21
PKS7	68.0	201	Sg	20:49:26.91	-0.47
A338	95.4	298	Sn	20:49:33.98	-0.54

766.

2020-07-06 time: 7:25:53.91 UTC ML= 1.3  
 lat: 48.067N lon: 20.681E h= 0.0 km  
 erh= 2.3km erz= 450km  
 nr= 5 gap=196 rms=0.20  
 Locality: Bükkszentlászló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.5	343	Pg	7:26:02.76	0.18
			Sg	26:09.16	-0.17
ABAH	48.7	58	Pg	7:26:02.76	0.15
			Sg	26:09.06	-0.33
PSZ	61.0	254	Sg	7:26:13.11	-0.20

767.

2020-07-06 time: 7:40:48.31 UTC ML= 1.2  
 lat: 48.028N lon: 20.363E h= 0.0 km  
 erh= 2.9km erz= 4.2km  
 nr= 7 gap=165 rms=0.41  
 Locality: Mónosbél  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	37.0	251	Pg	7:40:54.60	-0.33
			Sg	41:00.15	0.07
KECS	51.5	10	Pg	7:40:58.16	0.65
			Sg	41:04.55	-0.13
ABAH	71.7	65	Pg	7:41:01.19	0.07
			Sg	41:10.25	-0.86
TRPA	162.6	86	Sn	7:41:36.95	0.04

768.

2020-07-06 time: 7:44:00.06 UTC ML= 1.6  
 lat: 46.845N lon: 22.854E h= 0.0 km  
 erh= 3.6km erz= 2.8km  
 nr= 12 gap=183 rms=0.71  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	12.4	241	Pg	7:44:02.29	0.02
			Sg	44:05.10	1.10
MARR	27.6	133	PgC	7:44:04.90	-0.09
			Sg	44:08.50	-0.34
SIRR	111.8	235	Sg	7:44:33.50	-2.11
GZR	161.5	182	Pn	7:44:27.90	0.67
			Sn	44:48.48	0.06
BZS	166.6	215	Pn	7:44:28.30	0.43
			Sn	44:48.48	-1.07
BURA	198.4	64	PnC	7:44:32.24	0.41
			Sn	44:55.30	-1.31
HERR	220.9	189	Sn	7:45:01.30	-0.32

769.

2020-07-06 time: 9:35:09.60 UTC ML= 1.8  
 lat: 48.457N lon: 17.465E h= 0.0 km  
 erh= 3.2km erz= 2.6km  
 nr= 9 gap=249 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.9	337	Pg	9:35:11.20	0.37
			Sg	35:12.11	0.32
MODS	16.7	236	Pg	9:35:12.91	0.33
			Sg	35:15.74	0.83
KRUC	103.5	311	Pg	9:35:27.82	-0.26
			Sg	35:41.93	-0.57

## Földrengés paraméterek

RONA 121.2 226 Sg 9:35:47.63 -0.48  
 CONA 132.9 244 Pn 9:35:33.00 -0.20  
 Sn 35:50.58 -1.04

770.

2020-07-06 time: 9:48:07.77 UTC ML= 2.2  
 lat: 45.587N lon: 17.316E h= 6.5 km  
 erh= 2.1km erz= 2.0km  
 nr= 23 gap=121 rms=0.80  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	80.2	65	Pg	9:48:23.06	0.92
			Sg	48:34.21	0.86
KOVH	82.5	48	Pg	9:48:22.68	0.12
			Sg	48:33.08	-1.01
BLY	93.7	186	Pg	9:48:24.62	0.07
			Sg	48:37.38	-0.26
BEHE	106.7	337	Pg	9:48:27.54	0.68
			Sg	48:40.57	-1.19
PTJ	111.3	288	Pg	9:48:26.71	-0.96
			Sg	48:41.41	-1.79
PKSM	124.1	56	Pn	9:48:29.03	-0.42
			Sn	48:44.93	-1.42
MORH	124.5	56	Pn	9:48:29.16	-0.34
			Sn	48:45.37	-1.08
KOGS	126.4	319	Pn	9:48:29.81	0.08
			Sn	48:46.07	-0.79
PKS9	133.8	34	Pn	9:48:31.54	0.89
			Sn	48:48.02	-0.48
CRES	147.2	280	Pn	9:48:33.02	0.70
			Sn	48:51.42	-0.06
GROS	170.8	305	Pn	9:48:36.93	1.66
			Sn	48:57.24	0.53
PERS	206.2	304	Pn	9:48:40.55	0.87

771.

2020-07-06 time: 10:06:32.95 UTC ML= 1.7  
 lat: 48.449N lon: 19.583E h= 0.0 km  
 erh= 5.2km erz= \*\*\*km  
 nr= 5 gap=189 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	63.4	159	Sg	10:06:53.82	0.72
KECS	66.8	87	Pg	10:06:45.38	0.50
			Sg	06:53.99	-0.20
PENC	76.6	197	Sg	10:06:56.61	-0.69
NIE	120.4	26	Sg	10:07:10.34	-0.87

772.

2020-07-07 time: 2:19:10.54 UTC ML= 1.6  
 lat: 46.067N lon: 16.793E h= 6.2 km  
 erh= 1.9km erz= 2.0km  
 nr= 10 gap=165 rms=0.46  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	44.8	358	Pg	2:19:18.95	0.34
			Sg	19:24.69	-0.22
KOGS	59.5	315	Pg	2:19:21.52	0.30
			Sg	19:28.57	-0.99
PTJ	67.3	254	Sg	2:19:32.02	-0.01
KOVH	101.1	89	Sg	2:19:41.82	-0.91
CRES	107.0	255	Sg	2:19:45.19	0.58
PERS	143.7	296	Sn	2:19:53.25	-0.30
PKSM	143.7	84	Sn	2:19:53.81	0.26
MORH	144.0	83	Sn	2:19:53.61	0.00

## Hypocenter Parameters

773.

2020-07-07 time: 2:52:47.58 UTC ML= 1.8  
 lat: 46.058N lon: 16.810E h= 10.0 km  
 erh= 6.2km erz= 7.7km  
 nr= 7 gap=167 rms=0.99  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	45.9	357	Pg	2:52:56.99	1.03
			Sg	53:01.72	-0.78
KOGS	61.2	315	Pg	2:52:59.48	0.83
			Sg	53:05.59	-1.69
PTJ	68.4	255	Sg	2:53:08.67	-0.87
KOVH	99.8	88	Sg	2:53:18.44	-1.03
CRES	108.1	256	Sn	2:53:22.30	0.49

774.

2020-07-07 time: 7:37:01.90 UTC ML= 1.9  
 lat: 46.038N lon: 22.854E h= 0.0 km  
 erh= 1.6km erz= 2.2km  
 nr= 26 gap= 67 rms=0.77  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	17.7	167	Pg	7:37:03.64	-1.42
			Sg	37:08.32	0.80
GZR	71.9	185	Pg	7:37:15.08	0.33
			Sg	37:24.12	-0.65
MARR	73.8	16	PgD	7:37:15.98	0.90
			Sg	37:24.90	-0.45
DRGR	84.5	353	Pg	7:37:17.14	0.15
			Sg	37:27.91	-0.84
CJR	94.4	37	Sg	7:37:31.50	-0.41
SIRR	95.7	285	Pg	7:37:19.70	0.71
			Sg	37:33.33	1.01
LOT	96.9	133	PgD	7:37:19.61	0.40
			Sg	37:32.50	-0.20
BZS	106.9	244	Pg	7:37:21.31	0.31
			Sg	37:34.68	-1.21
MESR	123.8	3	Sg	7:37:39.10	-2.15
HERR	133.1	195	PnD	7:37:25.15	-0.38
			Sn	37:41.90	-2.07
ARR	157.4	118	PnD	7:37:28.77	0.20
			Sn	37:48.70	-0.66
ARCR	163.6	45	PnD	7:37:29.80	0.46
			Sn	37:51.20	0.45
MDVR	165.8	213	PnC	7:37:30.08	0.47
			Sn	37:50.90	-0.32
VOIR	183.5	111	PnD	7:37:33.01	1.19
			Sn	37:55.50	0.34

775.

2020-07-07 time: 8:31:34.03 UTC ML= 1.8  
 lat: 47.303N lon: 18.471E h= 0.0 km  
 erh= 2.7km erz= 731km  
 nr= 6 gap=119 rms=0.43  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.6	329	PgU	8:31:36.20	0.09
			Sg	31:36.77	-0.95
CSKK	17.3	293	Pg	8:31:37.62	0.51
			Sg	31:39.16	-0.36
PKSM	122.0	174	Sg	8:32:12.62	-0.18
PSZ	127.0	57	Sg	8:32:14.52	0.10

## Hypocenter Parameters

## Földrengés paraméterek

776.

2020-07-07 time: 9:50:16.75 UTC ML= 0.9  
 lat: 47.221N lon: 18.335E h= 0.0 km  
 erh= 4.6km erz= 4.2km  
 nr= 10 gap=152 rms=0.71  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.8	340	Pg	9:50:19.63	-0.12
			Sg	50:21.55	-0.55
PKSG	19.5	12	Pg	9:50:20.69	0.46
			Sg	50:23.02	0.07
MORH	114.2	168	Sg	9:50:51.75	-1.29
PKSM	114.6	168	Pg	9:50:38.22	1.01
			Sg	50:52.83	-0.33
KOVH	127.1	188	Sg	9:50:56.09	-1.07
PSZ	140.7	57	Sn	9:50:59.85	-0.64
PKSV	148.2	182	Sn	9:51:03.21	1.04

777.

2020-07-07 time: 10:00:25.86 UTC ML= 1.5  
 lat: 48.109N lon: 16.931E h= 0.0 km  
 erh= 2.9km erz= 4.7km  
 nr= 10 gap= 87 rms=1.07  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	39.1	41	Pg	10:00:33.37	0.53
			Sg	00:38.16	-0.12
RONA	65.8	226	Pg	10:00:38.73	1.12
			Sg	00:46.89	0.12
CONA	82.3	256	Sg	10:00:52.86	0.85
A338	106.5	96	Sg	10:01:00.66	0.95
KRUC	113.0	340	Sg	10:01:00.29	-1.50
PKST	125.7	139	Sg	10:01:04.07	-1.76
PKSG	135.5	126	Sn	10:01:06.56	-1.89
ARSA	142.4	228	Sn	10:01:08.80	-1.20

778.

2020-07-08 time: 0:23:58.72 UTC ML= 0.2  
 lat: 47.839N lon: 16.278E h= 14.4 km  
 erh= 5.8km erz= 4.9km  
 nr= 8 gap=113 rms=0.31  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.5	175	Pg	0:24:02.74	0.24
			Sg	24:05.13	-0.31
SOP	27.2	129	Pg	0:24:04.26	0.05
			Sg	24:08.13	-0.36
CONA	32.7	288	Pg	0:24:05.37	0.27
			Sg	24:09.73	-0.35
SMOL	113.8	49	Sn	0:24:33.56	0.34
KRUC	136.3	4	Sn	0:24:37.55	-0.66

779.

2020-07-08 time: 10:22:30.96 UTC ML= 1.4  
 lat: 48.480N lon: 19.512E h= 0.0 km  
 erh= 3.3km erz= 846km  
 nr= 7 gap=165 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	68.7	156	Pg	10:22:44.04	0.82
			Sg	22:51.96	-0.82
KECS	72.0	90	Pg	10:22:44.04	0.22

			Sg	22:53.35	-0.50
LANS	74.6	358	Pg	10:22:44.48	0.20
			Sg	22:54.30	-0.37
PENC	78.6	193	Sg	10:22:55.13	-0.81

780.

2020-07-09 time: 5:04:54.17 UTC ML= 1.3  
 lat: 45.614N lon: 18.142E h= 9.2 km  
 erh= 3.4km erz= 1.9km  
 nr= 10 gap=326 rms=0.33  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	31.7	16	Pg	5:05:00.37	0.31
			Sg	05:04.89	0.23
KOVH	52.8	356	Pg	5:05:03.76	0.02
			Sg	05:10.74	-0.47
PKSM	76.9	30	Pg	5:05:07.57	-0.44
			Sg	05:17.46	-1.34
MORH	77.4	30	Pg	5:05:08.15	0.05
			Sg	05:19.17	0.22
PKB4	104.4	20	Sg	5:05:27.66	0.18
PKS9	108.7	6	Sn	5:05:29.04	0.32

781.

2020-07-09 time: 5:11:10.67 UTC ML= 1.1  
 lat: 47.364N lon: 18.205E h= 8.1 km  
 erh= 3.6km erz= 1.3km  
 nr= 12 gap=196 rms=0.53  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.2	92	Pg	5:11:12.82	0.52
			Sg	11:14.09	0.52
PKSG	14.3	78	Pg	5:11:13.19	-0.42
			Sg	11:15.43	-0.48
PKST	17.4	228	Pg	5:11:13.62	-0.48
			Sg	11:16.93	0.15
MORH	132.0	165	Sn	5:11:49.82	-0.82
PKSM	132.4	165	Sn	5:11:50.22	-0.51
PSZ	141.1	64	Pn	5:11:34.36	0.10
			Sn	11:53.24	0.57
KOVH	142.1	183	Sn	5:11:54.20	1.32
PKSV	164.1	179	Sn	5:11:58.34	0.57

782.

2020-07-09 time: 8:01:22.83 UTC ML= 1.9  
 lat: 47.340N lon: 18.443E h= 0.0 km  
 erh= 0.8km erz= 1.5km  
 nr= 10 gap=113 rms=0.23  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.0	326	PgU	8:01:23.96	-0.12
			Sg	01:24.64	-0.41
CSKK	14.0	281	Pg	8:01:25.41	0.08
			Sg	01:27.46	0.18
MPLH	70.9	255	Sg	8:01:45.60	0.23
MORH	125.9	173	Sg	8:02:02.81	-0.03
PKSM	126.3	173	Sg	8:02:02.86	-0.11
PSZ	126.7	59	Sg	8:02:03.43	0.34
KOVH	141.6	191	Sn	8:02:06.77	0.00
MODS	144.3	323	Sn	8:02:05.62	-1.75*

## Földrengés paraméterek

## Hypocenter Parameters

783.

2020-07-09 time: 8:11:56.20 UTC ML= 1.5  
 lat: 48.563N lon: 20.748E h= 0.0 km  
 erh= 3.8km erz= 9.2km  
 nr= 9 gap= 92 rms=1.07  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.3	245	Pg	8:12:00.21	0.21
			Sg	12:02.96	-0.01
ABAH	47.0	129	Pg	8:12:05.58	0.99
			Sg	12:10.85	-0.29
PSZ	95.7	221	Sg	8:12:26.23	-0.39
STHS	101.6	21	ePg	8:12:15.80	1.46
LANS	114.4	305	ePg	8:12:16.00	-0.62
KOLS	119.5	70	Sg	8:12:32.20	-1.98
TRPA	141.3	110	Sn	8:12:37.22	-2.85

784.

2020-07-09 time: 8:40:18.54 UTC ML= 1.6  
 lat: 48.408N lon: 17.194E h= 0.0 km  
 erh= 1.7km erz= 7.0km  
 nr= 10 gap= 98 rms=0.80  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	7.3	122	PgU	8:40:20.05	0.21
			Sg	40:20.62	-0.23
SMOL	21.0	56	Pg	8:40:21.62	-0.66
			Sg	40:24.78	-0.42
KRUC	93.5	321	Pg	8:40:36.05	0.82
			Sg	40:48.20	-0.04
RONA	103.4	220	Pg	8:40:37.77	0.78
			Sg	40:51.00	-0.39
CONA	112.5	242	Sg	8:40:54.09	-0.22
SOKA	251.9	220	Pn	8:41:19.30	22.32*
			Sn	41:22.49	-4.48

785.

2020-07-09 time: 8:42:35.02 UTC ML= 1.9  
 lat: 48.209N lon: 21.263E h= 0.0 km  
 erh= 2.3km erz= 620km  
 nr= 7 gap=157 rms=0.41  
 Locality: Mád  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	9.8	350	Pg	8:42:37.17	0.41
			Sg	42:38.08	-0.04
KECS	65.1	298	Pg	8:42:46.99	0.34
			Sg	42:55.18	-0.54
TRPA	95.4	95	Sg	8:43:05.38	0.05
PSZ	107.0	252	Sg	8:43:08.64	-0.38
KOLS	109.7	43	Sg	8:43:09.15	-0.74

786.

2020-07-09 time: 8:46:13.74 UTC ML= 1.4  
 lat: 46.139N lon: 17.992E h= 0.0 km  
 erh= 2.1km erz= 4.5km  
 nr= 12 gap=116 rms=0.48  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	10.1	124	Pg	8:46:15.90	0.36
			Sg	46:16.88	-0.06
PKSV	34.4	144	Sg	8:46:24.24	-0.43
PKSM	50.8	81	Pg	8:46:23.18	0.37

			Sg	46:29.30	-0.58
MORH	51.1	80	Pg	8:46:23.38	0.52
			Sg	46:29.14	-0.84
PKB3	98.0	71	Sg	8:46:45.00	0.12
MPLH	119.7	343	Sg	8:46:52.48	0.68
PKST	124.5	1	Pg	8:46:35.76	-0.22
			Sg	46:52.37	-0.96
PTJ	159.7	260	Sn	8:47:01.29	-0.43

787.

2020-07-09 time: 10:02:39.85 UTC ML= 0.3  
 lat: 47.204N lon: 18.219E h= 0.0 km  
 erh= 1.7km erz= 547km  
 nr= 8 gap=132 rms=0.39  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	15.3	293	Pg	10:02:42.07	-0.51
			Sg	02:45.13	0.42
CSKK	17.9	10	Pg	10:02:43.35	0.30
			Sg	02:45.92	0.37
PKSG	24.6	32	Pg	10:02:44.06	-0.18
			Sg	02:47.32	-0.34
MORH	114.6	164	Sg	10:03:15.99	-0.28
PKSM	114.9	164	Sg	10:03:17.06	0.67

788.

2020-07-09 time: 12:36:39.17 UTC ML= 1.5  
 lat: 48.219N lon: 19.877E h= 0.0 km  
 erh= 5.1km erz= 7.5km  
 nr= 10 gap=115 rms=1.06  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	33.5	178	Pg	12:36:45.59	0.44
			Sg	36:49.95	0.14
KECS	53.8	57	Pg	12:36:49.97	1.18
			Sg	36:56.38	0.09
PENC	65.1	223	Sg	12:36:58.88	-1.00
ABAH	101.5	85	Sg	12:37:09.82	-1.63
A338	115.7	259	Sg	12:37:14.40	-1.56
NIE	137.2	14	Pn	12:37:03.61	0.29
			Sn	37:19.28	-2.87
PKSG	144.4	230	Pn	12:37:05.03	0.82

789.

2020-07-09 time: 15:59:39.82 UTC ML= 1.4  
 lat: 48.582N lon: 20.901E h= 0.0 km  
 erh= 2.5km erz= 4.7km  
 nr= 13 gap= 85 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	32.6	250	Pg	15:59:45.27	-0.37
			Sg	59:50.15	-0.04
ABAH	40.5	142	Pg	15:59:47.56	0.51
			Sg	59:52.95	0.26
STHS	96.1	15	Sg	15:60:07.36	-3.01
NIE	102.5	335	Pg	15:59:58.60	0.48
			Sg	16:00:11.68	-0.72
PSZ	105.1	225	Pg	15:59:58.70	0.12
			Sg	16:00:12.80	-0.42
KOLS	108.2	69	Pg	15:59:59.98	0.85
			Sg	16:00:13.82	-0.38
TRPA	131.4	112	Sn	15:60:18.30	-3.20
OJC	198.9	336	Sn	15:60:37.33	0.85

## Hypocenter Parameters

## Földrengés paraméterek

790.

2020-07-10 time: 4:42:15.38 UTC ML= 0.6  
 lat: 47.267N lon: 18.281E h= 0.0 km  
 erh= 5.7km erz= 773km  
 nr= 5 gap=236 rms=0.38  
 Locality: Kincsesbánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.8	352	Pg	4:42:17.80	0.50
			Sg	42:19.06	0.25
PKSG	16.2	31	Pg	4:42:18.10	-0.17
			Sg	42:19.99	-0.53
PKST	18.7	267	Sg	4:42:20.92	-0.39

791.

2020-07-10 time: 4:47:33.80 UTC ML= 0.8  
 lat: 47.234N lon: 18.318E h= 0.0 km  
 erh= 3.8km erz= 487km  
 nr= 6 gap=260 rms=0.29  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.1	343	Pg	4:47:36.74	0.26
			Sg	47:37.95	-0.63
PKSG	18.4	17	Pg	4:47:37.16	0.07
			Sg	47:39.56	-0.09
PKST	21.7	277	Pg	4:47:37.43	-0.24
			Sg	47:41.12	0.43

792.

2020-07-10 time: 6:11:46.41 UTC ML= 1.1  
 lat: 47.494N lon: 16.330E h= 0.0 km  
 erh= 5.4km erz= \*\*\*km  
 nr= 7 gap=207 rms=0.80  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	23.0	354	PgU	6:11:51.16	0.65
			Sg	11:53.52	-0.19
SOP	27.1	39	Pg	6:11:52.09	0.84
			Sg	11:54.96	-0.07
CONA	59.7	324	Sg	6:12:04.83	-0.56
ARSA	66.7	246	Sg	6:12:06.81	-0.80
MODS	120.7	36	Sg	6:12:22.99	-1.78

793.

2020-07-10 time: 7:48:47.21 UTC ML= 1.4  
 lat: 45.857N lon: 18.402E h= 0.0 km  
 erh= 2.3km erz= 351km  
 nr= 9 gap=262 rms=0.26  
 Locality: Nagyharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	12.1	287	Pg	7:48:49.18	-0.19
			Sg	48:50.96	-0.10
KOVH	34.8	318	Pg	7:48:53.47	0.06
			Sg	48:58.28	0.02
PKSM	43.6	25	Pg	7:48:54.91	-0.08
			Sg	49:00.88	-0.19
MORH	44.1	25	PgU	7:48:55.03	-0.05
			Sg	49:01.11	-0.12
PKS9	81.7	353	Pg	7:49:02.62	0.82

794.

2020-07-10 time: 8:13:56.48 UTC ML= 2.0  
 lat: 46.995N lon: 22.300E h= 5.3 km  
 erh= 1.7km erz= 1.6km  
 nr= 29 gap= 46 rms=0.80  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	38.6	126	Pg	8:14:03.50	0.06
			Sg	14:08.65	-0.21
BORR	40.5	285	PgD	8:14:04.55	0.77
			Sg	14:10.60	1.13
LTVH	52.9	325	Pg	8:14:06.57	0.60
			Sg	14:12.96	-0.41
MARR	71.8	120	PgD	8:14:09.10	-0.24
			Sg	14:17.50	-1.86
SIRR	94.6	211	Pg	8:14:12.92	-0.48
			Sg	14:24.83	-1.76
CJR	103.8	108	Pg	8:14:15.12	0.08
			Sg	14:29.36	-0.16
BMR	117.7	50	Pn	8:14:17.41	-0.11
			Sn	14:33.93	0.00
TRPA	127.5	8	Pn	8:14:18.32	-0.42
			Sn	14:34.55	-1.55
DEV	132.0	159	Pn	8:14:19.96	0.67
			Sn	14:35.97	-1.12
AMBH	140.2	239	Sn	8:14:38.48	-0.43
BZS	162.0	199	Pn	8:14:22.86	-0.18
			Sn	14:44.11	0.36
ABAH	165.2	331	Pn	8:14:22.81	-0.62
			Sn	14:49.81	1.67
GZR	181.8	168	Pn	8:14:26.76	1.26
			Sn	14:49.81	1.67
LOT	206.0	147	PnC	8:14:30.66	2.14
			Sn	14:54.60	1.09
PSZ	208.5	300	Pn	8:14:28.41	-0.42
BURA	231.1	73	PnD	8:14:33.98	2.33
			Sn	15:00.50	1.42

795.

2020-07-10 time: 8:34:00.25 UTC ML= 2.0  
 lat: 48.522N lon: 17.475E h= 2.5 km  
 erh= 1.8km erz= 0.7km  
 nr= 9 gap=274 rms=0.18  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SMOL	3.5	256	PgU	8:34:00.91	-0.12
			Sg	34:01.50	-0.13
MODS	22.0	222	Pg	8:34:04.13	-0.08
			Sg	34:07.58	0.29
KRUC	99.5	307	Sg	8:34:32.03	0.14
RONA	126.7	224	Pn	8:34:22.98	0.22
			Sn	34:40.24	-0.07
CONA	136.8	241	Pn	8:34:24.10	0.08
			Sn	34:42.00	-0.56

796.

2020-07-10 time: 8:37:55.66 UTC ML= 1.1  
 lat: 47.887N lon: 19.129E h= 0.0 km  
 erh= 2.6km erz= 518km  
 nr= 6 gap=187 rms=0.30  
 Locality: Nőtincs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	15.7	133	Pg	8:37:58.45	-0.01
			Sg	38:00.51	-0.14
PSZ	57.4	87	Pg	8:38:06.38	0.48
			Sg	38:13.71	-0.18
PKST	108.0	230	Sg	8:38:29.83	-0.14

## Földrengés paraméterek

## Hypocenter Parameters

KECS 120.7 57 Sg 8:38:33.55 -0.49

797.

2020-07-10 time: 10:01:04.36 UTC ML= 1.7  
 lat: 48.118N lon: 16.919E h= 0.0 km  
 erh= 2.2km erz= 3.1km  
 nr= 13 gap= 86 rms=0.68  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	16.2	57	Pg	10:01:08.26			1.00
			Sg	01:10.09			0.57
MODS	39.0	43	Pg	10:01:11.95			0.63
			Sg	01:16.57			-0.18
SMOL	58.1	41	Sg	10:01:21.99			-0.83
RONA	65.8	225	Sg	10:01:28.57			0.30
CONA	81.6	255	Sg	10:01:30.78			0.47
KRUC	111.9	340	Sg	10:01:39.01			-0.91
PKST	127.0	139	Pg	10:01:26.33			-0.71
PKSG	136.7	126	Pn	10:01:28.54			0.09
			Sn	01:45.82			-1.41
ARSA	142.4	227	Pn	10:01:29.14			-0.01
			Sn	01:47.62			-0.87

798.

2020-07-11 time: 8:58:32.05 UTC ML= 1.2  
 lat: 48.545N lon: 20.817E h= 0.0 km  
 erh= 4.3km erz= \*\*\*km  
 nr= 7 gap= 93 rms=0.80  
 Locality: Bódvalenke  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.4	254	Pg	8:58:35.99			-0.60
			Sg	58:39.09			-1.05
ABAH	41.7	132	Sg	8:58:45.68			0.36
PSZ	97.8	225	Pg	8:58:49.27			-0.23
			Sg	59:05.05			1.93
NIE	104.0	339	Pg	8:58:51.41			0.80
KOLS	115.5	68	Sg	8:59:08.15			-0.60

799.

2020-07-11 time: 9:53:06.67 UTC ML= 1.1  
 lat: 48.059N lon: 19.593E h= 0.0 km  
 erh= 3.9km erz= 782km  
 nr= 6 gap=184 rms=0.45  
 Locality: Nagylóc  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	27.4	125	Pg	9:53:11.85			0.29
			Sg	53:15.07			-0.31
PENC	37.9	218	Pg	9:53:14.01			0.58
			Sg	53:18.14			-0.57
KECS	81.3	55	Sg	9:53:32.14			-0.37
PKSG	116.8	231	Sg	9:53:43.29			-0.51

800.

2020-07-11 time: 17:12:36.69 UTC ML= 2.0  
 lat: 46.254N lon: 16.586E h= 9.5 km  
 erh= 1.5km erz= 1.1km  
 nr= 41 gap= 67 rms=0.68  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	28.1	31	PgD	17:12:41.71			-0.29
			Sg	12:45.39			-0.75
KOGS	33.7	310	Pg	17:12:43.42			0.47

			Sg	12:48.30			0.47
PTJ	62.5	231	Sg	17:12:55.96			-0.83
GOLS	79.1	250	iPg	17:12:50.83			-0.09
GCTS	85.7	240	iPg	17:12:51.84			-0.26
			iSg	13:05.11			1.00
GROS	86.6	285	Pg	17:12:51.77			-0.48
			Sg	13:04.33			-0.06
DOBS	87.0	262	iPg	17:12:52.01			-0.31
			eSg	13:04.94			0.43
CESS	92.2	250	eSg	17:13:05.95			-0.22
CRES	99.5	241	Pg	17:12:55.00			0.46
			Sg	13:07.90			-0.57
LEGS	103.8	251	iPg	17:12:54.68			-0.62
			eSg	13:09.51			-0.31
KOVH	118.3	99	Sn	17:13:10.39			-2.91
PERS	120.7	291	Pn	17:12:57.55			0.00
			Sn	13:13.15			-0.67
PKKS	124.6	260	iPn	17:12:58.14			0.10
			iSn	13:14.22			-0.47
MPLH	125.3	36	Pn	17:12:57.70			-0.43
			Sn	13:13.78			-1.07
SOKA	128.3	292	Pn	17:12:58.94			0.43
			Sn	13:15.00			-0.53
PKSV	135.1	107	Pn	17:12:59.35			0.00
ARSA	137.4	324	Pn	17:13:00.16			0.52
			Sn	13:16.24			-1.30
VISS	144.2	250	iPn	17:13:01.52			1.03
PKST	157.3	45	Pn	17:13:00.75			-1.37
			Sn	13:22.28			0.33
PKB4	157.6	80	Sn	17:13:22.50			0.49
PKSM	158.6	92	Sn	17:13:21.89			-0.35
OBKA	159.3	280	Pn	17:13:02.64			0.27
			Sn	13:22.98			0.58
RONA	162.3	352	Pn	17:13:04.39			1.65
			Sn	13:24.27			1.21
BLY	173.6	164	Sn	17:13:26.03			0.45
PKB1	179.3	71	Pn	17:13:05.17			0.31
CONA	194.2	344	Pn	17:13:08.92			2.20
			Sn	13:34.88			4.75*

801.

2020-07-13 time: 7:46:00.97 UTC ML= 1.3  
 lat: 48.166N lon: 21.204E h= 0.0 km  
 erh= 5.0km erz= 4.1km  
 nr= 6 gap=244 rms=0.39  
 Locality: Szerencs  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	14.7	10	Pg	7:46:03.81			0.22
			Sg	46:04.74			-0.90
KECS	63.9	304	Pg	7:46:12.57			0.19
			Sg	46:21.64			0.36
PSZ	101.5	254	Sg	7:46:32.73			-0.49
NIE	154.0	335	Sn	7:46:47.61			-0.05

802.

2020-07-13 time: 7:49:08.86 UTC ML= 1.3  
 lat: 48.552N lon: 19.399E h= 0.0 km  
 erh= 6.5km erz= 7.6km  
 nr= 8 gap=209 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	79.5	152	Pg	7:49:23.51			0.45
			Sg	49:33.65			-0.49
KECS	80.6	95	Pg	7:49:24.38			1.12
			Sg	49:33.60			-0.90
PENC	85.1	186	Sg	7:49:34.35			-1.58
NIE	117.3	35	Pg	7:49:30.43			0.61
			Sg	49:44.66			-1.50
ABAH	139.2	102	Sn	7:49:52.05			-0.22

## Hypocenter Parameters

## Földrengés paraméterek

803.

2020-07-13 time: 8:04:42.98 UTC ML= 1.6  
 lat: 45.501N lon: 17.355E h= 0.0 km  
 erh= 4.5km erz= 7.5km  
 nr= 11 gap=131 rms=0.98  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	82.0	58	Pg	8:04:58.37	0.74
			Sg	05:09.19	0.13
BLY	84.7	189	Sg	8:05:09.96	0.05
KOVH	87.2	42	Pg	8:04:59.79	1.23
			Sg	05:11.72	1.02
PTJ	117.5	292	Sg	8:05:18.68	-1.66
PKSM	127.3	52	Pg	8:05:06.07	0.35
			Sg	05:21.65	-1.80
MORH	127.8	52	Pg	8:05:05.51	-0.29
			Sg	05:21.70	-1.89
CRES	152.3	284	Sn	8:05:28.85	-0.46

804.

2020-07-13 time: 9:01:46.77 UTC ML= 1.6  
 lat: 48.640N lon: 17.498E h= 0.0 km  
 erh= 3.5km erz= 3.0km  
 nr= 11 gap=199 rms=0.59  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	14.9	200	Pg	9:01:49.52	0.09
			Sg	01:51.52	0.01
MODS	33.8	209	Pg	9:01:53.49	0.69
			Sg	01:56.96	-0.55
ZST	57.4	211	Sg	9:02:04.13	-0.87
KRUC	93.6	300	Sg	9:02:16.70	0.19
MORC	126.5	1	Pg	9:02:09.11	-0.25
			Sg	02:26.55	-0.43
RONA	137.6	221	Sn	9:02:29.10	-0.72
CONA	145.0	237	Pn	9:02:13.01	1.14
			Sn	02:30.78	-0.68

805.

2020-07-13 time: 10:12:26.16 UTC ML= 1.4  
 lat: 48.607N lon: 20.750E h= 0.0 km  
 erh= 1.6km erz= 657km  
 nr= 12 gap= 86 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.9	235	Pg	10:12:31.06	0.64
			Sg	12:33.67	-0.08
ABAH	50.1	134	Pg	10:12:35.33	0.23
			Sg	12:41.86	-0.22
NIE	95.8	341	Pg	10:12:43.66	0.40
			Sg	12:56.47	-0.12
STHS	97.0	22	ePg	10:12:43.40	-0.08
			eSg	12:56.20	-0.79
PSZ	99.5	220	Sg	10:12:56.72	-1.06
LANS	111.8	303	Pg	10:12:46.58	0.46
			Sg	13:00.89	-0.79
KOLS	117.7	72	Sg	10:13:02.34	-1.23

806.

2020-07-13 time: 10:48:14.64 UTC ML= 1.4  
 lat: 46.750N lon: 22.821E h= 0.0 km  
 erh= 6.2km erz= 7.2km  
 nr= 6 gap=243 rms=0.56  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	9.6	299	Pg	10:48:15.59	-0.75
			Sg	48:18.40	0.73
SIRR	104.0	239	Sg	10:48:47.62	-0.09
GZR	150.9	181	Pn	10:48:41.00	0.52
			Sn	49:00.38	-0.26
BZS	156.6	216	Sn	10:49:02.28	0.37

807.

2020-07-14 time: 7:46:26.30 UTC ML= 1.8  
 lat: 46.923N lon: 17.367E h= 0.0 km  
 erh= 2.0km erz= 3.2km  
 nr= 18 gap=164 rms=0.62  
 Locality: Lesenceistvárd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	30.4	26	Pg	7:46:32.06	0.32
			Sg	46:35.10	-0.88
PKST	63.0	54	Pg	7:46:36.73	-0.82
			Sg	46:46.53	0.21
BEHE	67.7	222	Sg	7:46:48.04	0.23
PKS9	79.1	118	Sg	7:46:53.50	2.06
CSKK	83.6	54	Sg	7:46:53.21	0.33
PKSG	93.5	56	Pg	7:46:43.96	0.96
			Sg	46:55.72	-0.31
PKB4	105.8	117	Sg	7:47:00.69	0.74
KOVH	108.5	149	Pg	7:46:45.28	-0.40
			Sg	47:00.13	-0.67
MORH	125.6	129	Pg	7:46:49.03	0.30
			Sg	47:04.90	-1.33
PKSM	125.7	129	Pg	7:46:48.83	0.08
			Sg	47:05.70	-0.56
PKSV	133.7	149	Pn	7:46:50.09	0.09
			Sn	47:08.71	0.22

808.

2020-07-14 time: 8:23:35.03 UTC ML= 1.6  
 lat: 48.583N lon: 17.467E h= 0.0 km  
 erh= 4.0km erz= 2.2km  
 nr= 9 gap=256 rms=0.57  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	8.2	200	Pg	8:23:37.05	0.56
			Sg	23:37.61	-0.02
MODS	27.2	211	Pg	8:23:40.58	0.70
			Sg	23:43.68	0.02
ZST	50.8	212	Sg	8:23:50.84	-0.32
KRUC	95.0	304	Sg	8:24:05.23	0.00
RONA	131.3	222	Pn	8:23:57.46	-0.97
			Sn	24:15.93	-0.75
CONA	139.7	239	Sn	8:24:18.43	-0.11

809.

2020-07-14 time: 9:21:03.43 UTC ML= 1.1  
 lat: 47.217N lon: 18.187E h= 0.0 km  
 erh= 4.0km erz= 3.2km  
 nr= 9 gap=176 rms=0.77  
 Locality: Bakonykúti  
 Comments: probably explosion



## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
CSKK	17.2	19	Pg	9:21:07.23	0.73
			Sg	21:09.25	0.35
PKSG	24.9	38	Pg	9:21:08.33	0.47
			Sg	21:10.50	-0.83
MORH	116.6	163	Pg	9:21:24.78	0.53
			Sg	21:40.34	-0.16
PKSM	117.0	163	Sg	9:21:39.44	-1.17
PSZ	150.3	59	Sn	9:21:48.12	-1.19
SMOL	155.0	339	Sn	9:21:48.76	-1.59

810.

2020-07-14 time: 10:00:38.74 UTC ML= 1.7  
 lat: 48.121N lon: 16.918E h= 0.0 km  
 erh= 2.5km erz= 3.3km  
 nr= 9 gap=181 rms=0.44  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	38.7	44	Pg	10:00:45.92	0.26
			Sg	00:50.72	-0.33
SMOL	57.8	41	Sg	10:00:56.64	-0.47
RONA	66.0	225	Sg	10:00:59.25	-0.48
CONA	81.7	255	Sg	10:01:04.61	-0.09
KRUC	111.5	340	Pg	10:00:59.09	0.44
			Sg	01:13.14	-1.04
ARSA	142.6	227	Pn	10:01:04.05	0.49
			Sn	01:22.84	-0.08

811.

2020-07-14 time: 10:04:18.13 UTC ML= 1.3  
 lat: 48.564N lon: 20.839E h= 0.0 km  
 erh= 3.8km erz= 454km  
 nr= 5 gap=244 rms=0.21  
 Locality: Hidvégardó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.6	251	Pg	10:04:23.02	-0.04
			Sg	04:26.41	-0.49
ABAH	42.0	135	Sg	10:04:31.46	-0.03
			Pg	10:04:36.30	0.25
PSZ	100.4	224	Pg	10:04:36.30	0.25
			Sg	04:50.01	-0.02
CESS	498.4	235	iPn	10:04:53.52	-33.79*
			iSn	04:54.96	-86.32*
CRES	508.9	233	iPn	10:04:54.22	-34.40*
			iSn	04:55.97	-87.63*
LEGS	509.1	235	iPn	10:04:53.52	-35.12*
			iSn	04:54.83	-88.81*

812.

2020-07-14 time: 10:44:36.10 UTC ML= 1.6  
 lat: 46.048N lon: 22.806E h= 0.0 km  
 erh= 1.9km erz= 572km  
 nr= 9 gap=163 rms=0.43  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.8	158	Pg	10:44:39.79	0.15
			Sg	44:41.93	-0.47
GZR	72.8	182	Pg	10:44:49.31	0.21
			Sg	44:58.42	-0.82
DRGR	83.0	355	Pg	10:44:51.19	0.28
			Sg	45:01.57	-0.90
SIRR	91.8	285	Sg	10:45:05.65	0.36
BZS	104.1	243	Pg	10:44:55.06	0.37
			Sg	45:08.70	-0.49

813.

2020-07-14 time: 10:51:12.14 UTC ML= 1.1  
 lat: 47.727N lon: 18.714E h= 0.0 km  
 erh= 2.3km erz= 707km  
 nr= 10 gap=149 rms=0.56  
 Locality: Dorog  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	31.5	288	Sg	10:51:22.46	0.29
BUD	35.7	139	Sg	10:51:23.73	0.24
PENC	43.1	81	Pg	10:51:20.21	0.37
			Sg	51:26.40	0.55
PKSG	44.5	213	Pg	10:51:20.42	0.33
			Sg	51:26.37	0.08
PKST	73.0	225	Pg	10:51:25.05	-0.13
			Sg	51:33.90	-1.45
PSZ	90.9	76	Sg	10:51:39.68	-1.36
MPLH	108.1	235	Sg	10:51:46.18	-0.31

814.

2020-07-15 time: 6:51:06.15 UTC ML= 1.6  
 lat: 48.383N lon: 21.483E h= 0.0 km  
 erh= 2.7km erz= 687km  
 nr= 8 gap=132 rms=0.50  
 Locality: Makkoshotyka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	20.5	242	Pg	6:51:09.95	0.14
			Sg	51:13.39	0.73
KECS	74.6	279	Pg	6:51:19.71	0.23
			Sg	51:29.49	-0.38
TRPA	83.3	110	Sg	6:51:31.89	-0.75
KOLS	84.5	44	Pg	6:51:21.58	0.35
			Sg	51:32.77	-0.23
PSZ	129.0	246	Sg	6:51:45.86	-1.29

815.

2020-07-15 time: 9:45:30.59 UTC ML= 0.5  
 lat: 47.197N lon: 18.326E h= 0.0 km  
 erh= 4.0km erz= 442km  
 nr= 5 gap=177 rms=0.20  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.1	345	Pg	9:45:34.24	0.23
			Sg	45:36.20	-0.48
PKSG	22.2	13	Pg	9:45:34.50	-0.06
			Sg	45:37.63	-0.02
PKSM	112.1	168	Sg	9:46:06.26	0.03

816.

2020-07-15 time: 9:52:52.05 UTC ML= 1.8  
 lat: 48.457N lon: 17.432E h= 0.0 km  
 erh= 2.6km erz= 2.3km  
 nr= 12 gap=222 rms=0.49  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.4	358	Pg	9:52:53.33	0.15
			Sg	52:53.99	-0.08
MODS	14.7	231	Pg	9:52:55.08	0.41
			Sg	52:58.23	1.51
ZST	37.9	220	Pg	9:52:58.91	0.10
KRUC	101.7	311	Pg	53:04.33	0.24
			Sg	9:53:10.56	0.35
			Sg	53:23.71	-0.66

## Hypocenter Parameters

RONA 119.4 225 Pg 9:53:13.47 0.11  
 Sg 53:29.09 -0.90  
 CONA 130.7 243 Pn 9:53:14.72 -0.66  
 Sn 53:32.82 -0.76

817.

2020-07-15 time: 10:03:54.96 UTC ML= 1.3  
 lat: 48.595N lon: 20.770E h= 0.0 km  
 erh= 2.9km erz= 5.6km  
 nr= 9 gap=141 rms=0.70  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.4	239	Pg	10:03:59.51	0.20
			Sg	04:02.41	-0.29
ABAH	48.1	134	Pg	10:04:03.48	-0.06
			Sg	04:11.08	0.84
STHS	97.8	21	Pg	10:04:12.89	0.47
PSZ	99.4	221	Pg	10:04:13.35	0.64
			Sg	04:25.36	-1.19
KOLS	116.8	71	Sg	10:04:30.75	-1.33
TRPA	140.9	111	Sn	10:04:37.42	-1.34

818.

2020-07-16 time: 7:30:51.50 UTC ML= 1.5  
 lat: 45.507N lon: 17.298E h= 0.0 km  
 erh= 7.2km erz= 3.4km  
 nr= 11 gap=224 rms=0.84  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	85.5	60	Pg	7:31:07.82	1.04
			Sg	31:17.91	-0.78
KOVH	89.8	44	Pg	7:31:08.06	0.53
			Sg	31:21.06	1.03
PTJ	113.1	293	Sg	7:31:26.91	-0.55
PKSM	130.4	53	Pg	7:31:14.67	-0.13
			Sg	31:30.95	-2.01
MORH	130.9	53	Pn	7:31:14.83	-0.03
			Sn	31:31.31	-1.76
PKS9	142.0	32	Sn	7:31:35.21	-0.33
CRES	147.8	284	Sn	7:31:37.00	0.17

819.

2020-07-16 time: 9:25:51.58 UTC ML= 1.0  
 lat: 47.194N lon: 18.250E h= 0.0 km  
 erh= 4.0km erz= 7.9km  
 nr= 9 gap=108 rms=0.87  
 Locality: Csőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	17.9	294	Pg	9:25:53.88	-0.89
			Sg	25:56.17	-1.09
CSKK	18.8	2	Pg	9:25:55.33	0.40
			Sg	25:57.36	-0.19
MPLH	54.0	267	Pg	9:26:02.92	1.71
MORH	112.9	165	Sg	9:26:27.13	-0.32
PKSM	113.2	165	Sg	9:26:27.53	-0.04
KOVH	123.5	185	Sg	9:26:31.00	0.17
PSZ	147.6	57	Sn	9:26:36.16	-0.70

## Földrengés paraméterek

820.

2020-07-16 time: 10:01:25.20 UTC ML= 1.5  
 lat: 48.121N lon: 16.933E h= 0.0 km  
 erh= 3.3km erz= 3.2km  
 nr= 12 gap=183 rms=0.65  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	38.0	42	Pg	10:01:32.05	0.07
			Sg	01:37.00	-0.27
SMOL	57.1	40	Sg	10:01:42.66	-0.68
RONA	66.8	225	Pg	10:01:37.51	0.37
			Sg	01:45.68	-0.76
CONA	82.8	255	Pg	10:01:40.42	0.44
			Sg	01:50.69	-0.82
KRUC	111.9	339	Pg	10:01:45.94	0.76
			Sg	01:58.96	-1.80
ARSA	143.5	228	Pn	10:01:50.79	0.66
			Sn	02:08.66	-0.90
MORC	189.4	14	Sn	10:02:19.49	-0.28

821.

2020-07-16 time: 10:17:07.58 UTC ML= 1.8  
 lat: 48.866N lon: 20.929E h= 0.0 km  
 erh= 1.9km erz= 3.8km  
 nr= 15 gap= 69 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	53.6	217	Pg	10:17:17.43	0.28
			Sg	17:24.19	-0.43
STHS	65.4	21	Pg	10:17:20.26	1.00
			Sg	17:27.45	-0.93
ABAH	67.4	160	Pg	10:17:19.77	0.16
			Sg	17:28.98	-0.01
NIE	76.2	324	Pg	10:17:22.43	1.25
			Sg	17:30.60	-1.19
KOLS	98.9	86	Pg	10:17:25.11	-0.12
			Sg	17:39.07	0.07
LANS	111.5	287	Sg	10:17:42.60	-0.41
PSZ	130.2	216	Pg	10:17:31.19	0.36
			Sg	17:46.78	-2.20
TRPA	144.4	124	Pn	10:17:32.34	-0.28
			Sn	17:50.80	-1.35

822.

2020-07-16 time: 12:26:26.86 UTC ML= 1.5  
 lat: 47.859N lon: 16.034E h= 0.0 km  
 erh= 2.5km erz= 3.4km  
 nr= 13 gap= 91 rms=0.75  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.0	301	Pg	12:26:29.61	0.07
			Sg	26:31.65	0.02
RONA	26.5	132	Pg	12:26:31.60	0.01
			Sg	26:35.43	0.15
ARSA	77.8	210	Pg	12:26:40.30	-0.45
			Sg	26:50.52	-1.07
MODS	108.9	58	Sg	12:27:02.21	0.74
KRUC	136.4	11	Pn	12:26:50.21	-0.70
			Sn	27:07.11	-2.55
MPLH	136.9	124	Sn	12:27:08.90	-0.86
SOKA	151.6	210	Pn	12:26:52.77	-0.02
PERS	152.7	207	Pn	12:26:54.19	1.26
GROS	160.5	195	Pn	12:26:55.26	1.35

## Földrengés paraméterek

## Hypocenter Parameters

823.

2020-07-16 time: 17:45:44.64 UTC ML= 1.6  
 lat: 48.628N lon: 17.602E h= 0.0 km  
 erh= 1.9km erz= 2.6km  
 nr= 18 gap=143 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	18.0	225	Pg	17:45:48.49	0.63
			Sg	45:51.00	0.63
MODS	37.1	220	Pg	17:45:51.68	0.42
			Sg	45:56.19	-0.24
A337	44.9	162	Pg	17:45:53.39	0.74
			Sg	45:59.85	0.95
A338	88.0	141	Pg	17:46:00.19	-0.16
			Sg	46:11.89	-0.72
KRUC	100.9	299	Pg	17:46:03.20	0.55
			Sg	46:16.38	-0.32
SRO	104.9	150	Pg	17:46:15.83	-2.15
			Sg	46:23.37	-1.90
MORC	127.8	358	Pg	17:46:07.54	0.07
			Sg	46:23.37	-1.90
SOP	130.6	216	Pn	17:46:08.15	0.19
			Sn	46:27.14	-1.48
RONA	141.7	223	Pn	17:46:09.48	0.13
			Sn	46:27.14	-1.48
CONA	150.8	239	Pn	17:46:09.79	-0.68
			Sn	46:28.88	-1.75

824.

2020-07-17 time: 7:28:18.68 UTC ML= 1.8  
 lat: 47.913N lon: 19.427E h= 0.0 km  
 erh= 1.9km erz= 1.9km  
 nr= 18 gap=108 rms=0.74  
 Locality: Szanda  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.5	219	Pg	7:28:21.48	-0.31
			Sg	28:24.80	0.58
PSZ	34.9	89	Pg	7:28:24.90	-0.01
			Sg	28:30.02	0.24
BUD	56.5	212	Sg	7:28:36.38	-0.27
			Sg	7:28:36.66	-0.68
A338	81.1	278	Sg	7:28:44.29	-0.16
			Sg	7:28:49.13	-0.40
PKSG	97.1	233	Pg	7:28:37.36	0.64
			Sg	28:49.40	-1.39
PKST	127.6	235	Sg	7:28:57.40	-1.82
			Sn	7:29:01.77	-0.84
ABAH	141.5	72	Sn	7:29:09.43	0.95
			Sn	7:29:09.79	0.99
MODS	168.0	288	Sn	7:29:12.15	1.07
			Sn	7:29:16.06	0.95
PKB4	169.4	202	Sn	7:29:16.97	1.75
			Sn	7:29:21.58	0.09
NIE	179.7	21	Sn	7:29:21.58	0.09
			Sn	7:29:21.58	0.09

825.

2020-07-17 time: 7:29:35.23 UTC ML= 1.0  
 lat: 48.565N lon: 20.778E h= 0.0 km  
 erh= 1.7km erz= 366km  
 nr= 5 gap=151 rms=0.17  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.5	247	Pg	7:29:39.31	-0.12
			Sg	29:43.02	0.32
ABAH	45.4	131	Pg	7:29:43.15	-0.19
			Sg	29:49.83	0.17
NIE	100.9	340	Pg	7:29:53.32	0.08
			Sg	29:49.83	0.17

826.

2020-07-17 time: 9:22:39.91 UTC ML= 1.3  
 lat: 47.578N lon: 16.344E h= 0.0 km  
 erh= 1.0km erz= 2.6km  
 nr= 14 gap= 78 rms=0.40  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	14.0	345	PgU	9:22:42.57	0.16
			Sg	22:44.61	0.25
SOP	19.9	54	Pg	9:22:43.74	0.27
			Sg	22:46.29	0.05
CONA	53.1	317	Pg	9:22:49.80	0.40
			Sg	22:56.06	-0.74
ARSA	71.9	240	Sg	9:23:02.52	-0.23
			Sg	9:23:04.46	0.21
EGYH	76.6	104	Sg	9:23:11.53	-0.50
			Sg	9:23:14.79	-0.92
MPLH	101.1	117	Sg	9:23:11.53	-0.50
			Sg	9:23:14.79	-0.92
MODS	112.6	38	Sg	9:23:14.79	-0.92
			Pg	9:23:02.73	0.35
KOGS	125.8	183	Sg	9:23:19.77	-0.13
			Sg	23:19.77	-0.13
GROS	139.7	207	Sn	9:23:22.98	-0.46
			Sn	9:23:26.64	-2.42*
KRUC	165.0	1	Sn	9:23:22.98	-0.46
			Sn	9:23:26.64	-2.42*

827.

2020-07-17 time: 9:30:26.55 UTC ML= 1.5  
 lat: 48.219N lon: 21.232E h= 0.0 km  
 erh= 1.9km erz= 550km  
 nr= 8 gap=156 rms=0.39  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	8.5	4	Pg	9:30:28.07	-0.01
			Sg	30:29.46	0.19
KECS	62.6	298	Pg	9:30:37.89	0.16
			Sg	30:46.10	-0.35
TRPA	97.7	96	Pg	9:30:43.61	-0.39
			Sg	30:57.66	0.04
PSZ	105.1	251	Pg	9:30:46.00	0.68
			Sg	30:59.20	-0.76

828.

2020-07-17 time: 15:01:13.15 UTC ML= 0.7  
 lat: 47.223N lon: 17.856E h= 14.8 km  
 erh= 1.5km erz= 0.8km  
 nr= 7 gap=101 rms=0.24  
 Locality: Lókút  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	14.1	74	Pg	15:01:16.51	-0.29
			Sg	01:19.92	0.28
MPLH	24.7	256	Pg	15:01:18.57	0.28
			Sg	01:21.99	-0.31
A337	113.6	358	Sn	15:01:47.54	0.02
			Sn	15:01:50.61	0.02
PKSM	127.5	152	Sn	15:01:50.61	0.02
			Sn	15:01:50.61	0.00
KOVH	127.5	172	Sn	15:01:50.61	0.00
			Sn	15:01:50.61	0.00

829.

2020-07-18 time: 2:21:54.79 UTC ML= 1.2  
 lat: 47.756N lon: 20.918E h= 14.8 km  
 erh= 6.6km erz= 3.6km  
 nr= 6 gap=294 rms=0.45  
 Locality: Ároktő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	78.7	283	Pg	2:22:09.38	0.29
			Sg	22:19.66	-0.59

## Hypocenter Parameters

KECS 87.1 338 P\* 2:22:10.71 0.32  
 S\* 22:22.46 -0.10  
 PENC 122.7 272 Pn 2:22:14.58 -0.64  
 Sn 22:31.77 0.61

830.

2020-07-18 time: 10:31:16.04 UTC ML= 1.4  
 lat: 47.692N lon: 20.360E h= 1.4 km  
 erh= 1.4km erz=71.0km  
 nr= 9 gap=145 rms=0.36  
 Locality: Tenk  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	43.0	306	Pg	10:31:23.92			0.19
			Sg	31:29.43			-0.30
BSZH	44.1	189	Pg	10:31:24.19			0.27
			Sg	31:29.87			-0.20
PENC	81.6	278	Pg	10:31:30.85			0.23
			Sg	31:41.20			-0.79
KECS	88.5	6	Sg	10:31:44.75			0.57
ABAH	94.0	44	Pg	10:31:32.70			-0.12
			Sg	31:45.28			-0.63

831.

2020-07-20 time: 7:23:20.26 UTC ML= 0.7  
 lat: 47.307N lon: 17.705E h= 0.0 km  
 erh= 2.5km erz= 577km  
 nr= 6 gap=146 rms=0.34  
 Locality: Bakonykoppány  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	19.8	219	Pg	7:23:23.61			-0.17
			Sg	23:26.93			0.39
PKST	25.5	102	Pg	7:23:24.43			-0.38
			Sg	23:28.95			0.60
EGYH	30.7	293	Sg	7:23:30.34			0.32
PKSG	52.6	80	Sg	7:23:36.85			-0.14

832.

2020-07-20 time: 8:34:35.34 UTC ML= 1.2  
 lat: 48.217N lon: 21.224E h= 0.0 km  
 erh= 2.6km erz= 485km  
 nr= 5 gap=203 rms=0.22  
 Locality: Rátka  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	8.8	8	PgU	8:34:36.77			-0.15
			Sg	34:38.23			0.08
KECS	62.2	298	Pg	8:34:46.74			0.30
			Sg	34:54.75			-0.36
TRPA	98.3	96	Sg	8:35:06.55			-0.04

833.

2020-07-20 time: 8:45:26.77 UTC ML= 1.4  
 lat: 47.567N lon: 18.429E h= 0.0 km  
 erh= 3.9km erz= 4.1km  
 nr= 8 gap=241 rms=0.46  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	19.7	188	Pg	8:45:30.11			-0.17
			Sg	45:33.65			0.62
CSKK	26.0	209	Pg	8:45:32.03			0.62
			Sg	45:34.93			-0.10
PKST	45.4	221	Pg	8:45:34.84			-0.03
			Sg	45:40.51			-0.69

## Földrengés paraméterek

BUD 45.7 102 Sg 8:45:41.23 -0.07  
 PKSM 151.5 174 Sn 8:46:11.83 -1.09

834.

2020-07-20 time: 9:35:34.48 UTC ML= 1.4  
 lat: 47.867N lon: 19.080E h= 0.0 km  
 erh= 2.6km erz= 549km  
 nr= 8 gap=187 rms=0.42  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	17.3	120	Pg	9:35:37.55			-0.02
			Sg	35:39.56			-0.42
PSZ	61.1	85	Pg	9:35:45.69			0.29
			Sg	35:53.47			-0.44
PKST	103.8	229	Pg	9:35:53.62			0.60
			Sg	36:06.52			-0.95
KECS	124.9	57	Pg	9:35:56.88			0.09
			Sg	36:13.90			-0.30

835.

2020-07-20 time: 12:57:58.32 UTC ML= 1.4  
 lat: 48.376N lon: 19.831E h= 0.0 km  
 erh= 3.3km erz= 5.4km  
 nr= 9 gap=152 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	49.9	76	Pg	12:58:08.07			0.84
			Sg	58:13.35			-0.83
PSZ	51.1	175	Pg	12:58:08.07			0.62
			Sg	58:14.51			-0.07
PENC	76.9	212	Sg	12:58:22.34			-0.43
ABAH	104.8	95	Pg	12:58:16.89			-0.15
NIE	121.2	17	Pg	12:58:19.86			-0.11
			Sg	58:34.94			-1.92
PKSG	153.6	225	Sn	12:58:44.61			-0.32

836.

2020-07-20 time: 20:03:42.74 UTC ML= 0.2  
 lat: 47.637N lon: 16.231E h= 15.0 km  
 erh= 3.7km erz= 3.3km  
 nr= 6 gap=125 rms=0.51  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	8.5	35	Pg	20:03:46.21			0.39
			Sg	03:47.34			-0.88
SOP	25.1	78	Sg	20:03:52.66			0.63
CONA	42.6	319	Sg	20:03:57.01			-0.09
ARSA	68.5	231	Sg	20:04:05.10			0.06
EGYH	86.4	106	S*	20:04:09.69			-0.61

837.

2020-07-21 time: 6:49:10.31 UTC ML= 1.1  
 lat: 48.057N lon: 20.689E h= 0.0 km  
 erh= 2.9km erz= 592km  
 nr= 6 gap=198 rms=0.38  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	48.8	57	Pg	6:49:19.35			0.32
			Sg	49:25.47			-0.35
KECS	49.7	342	Pg	6:49:19.37			0.18
			Sg	49:25.43			-0.67
PSZ	61.3	255	Pg	6:49:21.51			0.25

## Földrengés paraméterek

## Hypocenter Parameters

Sg 49:29.16 -0.63

842.

838.

2020-07-21 time: 8:15:58.56 UTC ML= 1.0  
 lat: 48.249N lon: 21.173E h= 0.0 km  
 erh= 3.3km erz= 517km  
 nr= 5 gap=206 rms=0.24  
 Locality: Golop  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.2	43	Pg	8:15:59.45	-0.40
			Sg	16:01.22	0.36
KECS	57.2	297	Pg	8:16:08.79	0.01
			Sg	16:16.87	0.12
PSZ	102.1	249	Pg	8:16:16.92	0.13

839.

2020-07-21 time: 8:23:42.89 UTC ML= 1.3  
 lat: 48.626N lon: 20.750E h= 0.0 km  
 erh= 5.8km erz= \*\*\*km  
 nr= 6 gap=202 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.2	231	Pg	8:23:47.64	0.24
			Sg	23:50.28	-0.63
ABAH	51.6	135	Pg	8:23:52.94	0.84
			Sg	23:58.86	-0.43
PSZ	101.2	219	Sg	8:24:14.85	-0.21
KOLS	117.0	73	Sg	8:24:19.07	-1.02

840.

2020-07-21 time: 8:59:04.25 UTC ML= 1.5  
 lat: 46.191N lon: 18.291E h= 0.0 km  
 erh= 2.0km erz= 341km  
 nr= 8 gap=212 rms=0.25  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.6	232	Pg	8:59:07.30	-0.28
			Sg	59:09.94	-0.23
PKSM	27.2	85	Pg	8:59:09.14	0.04
			Sg	59:12.90	0.02
MORH	27.4	84	Pg	8:59:09.31	0.16
			Sg	59:12.73	-0.23
PKSV	33.7	185	Pg	8:59:10.74	0.47
			Sg	59:14.74	-0.23

841.

2020-07-21 time: 9:20:27.75 UTC ML= 0.5  
 lat: 47.206N lon: 18.282E h= 0.0 km  
 erh= 5.1km erz= 4.7km  
 nr= 7 gap=168 rms=0.47  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.6	355	Sg	9:20:32.98	-0.36
PKSG	22.3	22	Pg	9:20:32.23	0.51
			Sg	20:34.41	-0.41
MORH	113.5	166	Sg	9:21:03.46	-0.35
PKSM	113.8	166	Sg	9:21:04.69	0.76
KOVH	125.0	186	Sg	9:21:06.95	-0.53
PSZ	144.9	57	Sn	9:21:12.32	-0.11

2020-07-21 time: 9:29:58.91 UTC ML= 1.4  
 lat: 47.208N lon: 18.330E h= 0.0 km  
 erh= 2.5km erz= 4.7km  
 nr= 8 gap=112 rms=0.55  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.0	343	Pg	9:30:02.71	0.58
			Sg	30:04.72	0.08
PKSG	21.0	13	Sg	9:30:04.92	-0.65
MPLH	60.0	266	Sg	9:30:17.58	-0.40
MORH	112.9	168	Pg	9:30:19.70	0.64
			Sg	30:34.55	-0.23
KOVH	125.7	188	Sg	9:30:38.15	-0.71
PSZ	141.8	56	Sn	9:30:42.20	-0.70

843.

2020-07-21 time: 10:01:44.01 UTC ML= 1.6  
 lat: 48.882N lon: 20.926E h= 0.0 km  
 erh= 1.7km erz= 2.5km  
 nr= 11 gap=107 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	54.9	216	Pg	10:01:54.15	0.34
			Sg	02:01.17	-0.29
STHS	63.9	21	Pg	10:01:55.71	0.30
			Sg	02:03.96	-0.35
ABAH	69.1	160	Pg	10:01:56.93	0.58
			Sg	02:05.69	-0.28
NIE	74.6	323	Sg	10:02:07.67	-0.07
KOLS	98.9	87	Sg	10:02:15.00	-0.45
PSZ	131.6	216	Pn	10:02:07.99	0.54
			Sn	02:24.36	-1.37
TRPA	145.5	125	Sn	10:02:27.27	-1.56

844.

2020-07-21 time: 10:15:47.04 UTC ML= 1.2  
 lat: 46.140N lon: 18.042E h= 0.0 km  
 erh= 1.5km erz= 183km  
 nr= 7 gap=290 rms=0.12  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	7.2	142	Pg	10:15:48.38	0.05
			Sg	15:49.41	0.07
PKSV	32.3	150	Pg	10:15:52.64	-0.17
PKSM	47.0	80	Pg	10:15:55.56	0.14
			Sg	16:01.98	0.01
MORH	47.3	80	Pg	10:15:55.51	0.03
			Sg	16:01.78	-0.28

845.

2020-07-22 time: 6:59:31.73 UTC ML= 1.9  
 lat: 47.317N lon: 18.434E h= 0.0 km  
 erh= 2.8km erz= 4.3km  
 nr= 6 gap=212 rms=0.49  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.0	339	PgU	6:59:33.50	0.16
			Sg	59:33.86	-0.73
CSKK	14.1	292	Pg	6:59:34.84	0.59
			Sg	59:35.97	-0.25
PKST	30.9	258	Sg	6:59:41.64	0.08

## Hypocenter Parameters

KOVH 138.9 191 Sn 6:60:14.17 -0.91

846.

2020-07-22 time: 8:23:28.32 UTC ML= 1.7  
 lat: 47.314N lon: 18.416E h= 0.0 km  
 erh= 1.1km erz= 353km  
 nr= 8 gap=113 rms=0.25  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.8	348	PgU	8:23:29.92			0.03
			Sg		23:30.28		-0.84
CSKK	12.9	295	Pg	8:23:30.93			0.31
			Sg		23:32.44		0.02
PKST	29.5	258	Sg	8:23:37.42			-0.27
MORH	123.4	172	Sg	8:24:07.39			-0.13
PSZ	129.9	59	Pg	8:23:51.62			0.11
			Sg		24:09.48		-0.12

847.

2020-07-22 time: 9:05:37.83 UTC ML= 0.5  
 lat: 47.201N lon: 18.266E h= 0.0 km  
 erh= 2.8km erz= 344km  
 nr= 6 gap=173 rms=0.20  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.1	359	Pg	9:05:41.23			0.17
			Sg		05:43.36		-0.22
PKSG	23.3	24	PgU	9:05:42.14			0.16
			Sg		05:44.88		-0.34
MORH	113.2	165	Sg	9:06:13.89			0.06
KOVH	124.3	186	Sg	9:06:17.12			-0.22

848.

2020-07-22 time: 9:59:07.74 UTC ML= 1.6  
 lat: 48.605N lon: 20.746E h= 0.0 km  
 erh= 2.6km erz= 5.7km  
 nr= 11 gap=129 rms=0.70  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.5	235	Pg	9:59:12.34			0.40
			Sg		59:14.63		-0.58
ABAH	50.1	133	Pg	9:59:16.46			-0.23
			Sg		59:23.58		-0.09
PSZ	99.1	220	Pg	9:59:26.03			0.59
			Sg		59:38.24		-1.01
LANS	111.7	303	Pg	9:59:27.70			0.02
			Sg		59:42.21		-1.03
KOLS	118.0	72	Sg	9:59:45.11			-0.15
TRPA	143.0	112	Pn	9:59:33.86			1.26
			Sn		59:49.74		-2.25
BURA	350.7	108	PnD	9:59:28.80			-29.69*
			Sn		59:30.80		-67.29*

849.

2020-07-22 time: 13:38:43.90 UTC ML= 1.7  
 lat: 48.251N lon: 21.262E h= 0.0 km  
 erh= 1.6km erz= 3.5km  
 nr= 11 gap= 96 rms=0.47  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	5.2	341	Pg	13:38:44.91			0.08
			Sg		38:46.43		0.87

## Földrengés paraméterek

KECS 63.1 294 Pg 13:38:54.99 -0.17

Sg 39:03.43 -0.51

TRPA 95.9 98 Pg 13:39:00.78 -0.24

Sg 39:14.02 -0.36

KOLS 106.3 45 Pg 13:39:03.03 0.14

LTVH 107.6 154 Sg 13:39:18.29 0.20

PSZ 108.4 250 Pg 13:39:04.04 0.78

Sg 39:17.29 -1.08

NIE 147.3 332 Sn 13:39:28.67 -0.45

850.

2020-07-23 time: 7:07:35.40 UTC ML= 1.5  
 lat: 48.105N lon: 21.329E h= 0.0 km  
 erh= 3.5km erz= \*\*\*km  
 nr= 9 gap=171 rms=0.78  
 Locality: Tarcál  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	22.2	343	Pg	7:07:39.52			0.15
			Sg		07:42.56		0.10
KECS	75.4	304	Pg	7:07:49.91			1.05
			Sg		07:58.60		-0.76
TRPA	90.1	88	Pg	7:07:51.79			0.29
			Sg		08:03.03		-1.03
PSZ	109.0	259	Pg	7:07:55.43			0.56
			Sg		08:08.65		-1.41
KOLS	115.5	37	Sg	7:08:10.82			-1.29

851.

2020-07-23 time: 8:26:48.86 UTC ML= 1.0  
 lat: 48.026N lon: 20.327E h= 0.0 km  
 erh= 4.4km erz= 831km  
 nr= 6 gap=184 rms=0.48  
 Locality: Mónosbél  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	34.4	250	Pg	8:26:54.73			-0.28
			Sg		26:59.90		0.09
KECS	52.2	13	Pg	8:26:58.07			-0.11
			Sg		27:05.51		0.06
ABAH	74.2	66	Pg	8:27:02.90			0.78
			Sg		27:11.52		-0.94

852.

2020-07-23 time: 10:34:28.40 UTC ML= 0.5  
 lat: 47.199N lon: 18.244E h= 0.0 km  
 erh= 4.9km erz= 592km  
 nr= 6 gap=179 rms=0.35  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.3	4	Pg	10:34:31.80			0.14
			Sg		34:33.91		-0.29
PKSG	24.1	27	Pg	10:34:33.00			0.30
			Sg		34:35.58		-0.48
PKSM	113.9	165	Sg	10:35:04.99			0.38
KOVH	124.0	185	Sg	10:35:07.23			-0.59

853.

2020-07-23 time: 11:41:07.86 UTC ML= 1.5  
 lat: 48.610N lon: 21.295E h= 0.0 km  
 erh= 2.1km erz= 7.5km  
 nr= 12 gap=123 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ABAH	35.2	187	Pg	11:41:15.17	1.03
			Sg	41:18.01	-1.03
KECS	61.4	257	Pg	11:41:19.74	0.92
			Sg	41:27.12	-0.25
KOLS	80.4	63	Pg	11:41:21.80	-0.41
			Sg	41:33.95	0.54
STHS	89.7	358	Pg	11:41:23.61	-0.27
			Sg	41:36.57	0.19
NIE	115.1	321	Pg	11:41:28.27	-0.13
			Sg	41:43.04	-1.39
PSZ	129.3	233	Pg	11:41:31.04	0.09
BSZH	164.7	208	Sn	11:41:54.88	-2.05

854.

2020-07-24 time: 7:41:52.70 UTC ML= 1.4  
 lat: 48.446N lon: 19.576E h= 0.0 km  
 erh= 2.5km erz= 4.9km  
 nr= 10 gap=137 rms=0.54  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	63.3	158	PgU	7:42:04.27	0.26
			Sg	42:12.39	-0.44
KECS	67.4	87	Pg	7:42:05.52	0.78
			Sg	42:14.02	-0.11
LANS	78.7	354	Sg	7:42:17.49	-0.22
NIE	120.9	27	Pg	7:42:14.45	0.16
			Sg	42:30.18	-0.94
ABAH	124.4	98	Pg	7:42:15.25	0.33
			Sg	42:31.23	-1.02
PKSG	147.0	217	Sn	7:42:37.02	-0.81

855.

2020-07-24 time: 7:44:29.23 UTC ML= 1.3  
 lat: 47.552N lon: 18.389E h= 0.0 km  
 erh= 2.8km erz= 4.7km  
 nr= 10 gap=113 rms=1.18  
 Locality: Vértessomló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	17.8	180	Pg	7:44:32.92	0.50
			Sg	44:36.08	1.18
CSKK	23.1	205	Pg	7:44:34.10	0.74
			Sg	44:36.96	0.37
SRO	29.6	349	Sg	7:44:40.22	1.58
BUD	48.4	99	Sg	7:44:43.88	-0.75
PSZ	120.1	70	Sg	7:45:06.73	-0.66
MODS	123.4	318	Sg	7:45:06.73	-1.73
MORH	149.8	173	Sn	7:45:13.15	-1.86
PKSM	150.2	173	Sn	7:45:12.42	-2.68

856.

2020-07-24 time: 8:13:49.21 UTC ML= 1.2  
 lat: 46.126N lon: 18.052E h= 0.0 km  
 erh= 1.3km erz= 177km  
 nr= 7 gap=288 rms=0.12  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.7	139	PgU	8:13:50.20	-0.02
			Sg	13:51.11	0.10
PKSV	30.7	150	Pg	8:13:54.60	-0.09
			Sg	13:58.93	-0.03
PKSM	46.5	78	Pg	8:13:57.65	0.13
			Sg	14:04.07	0.07
MORH	46.8	78	Sg	8:14:03.76	-0.34

857.

2020-07-24 time: 9:06:15.75 UTC ML= 1.2  
 lat: 46.191N lon: 18.271E h= 0.0 km  
 erh= 1.1km erz= 187km  
 nr= 8 gap=215 rms=0.13  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.5	229	Pg	9:06:18.76	-0.12
			Sg	06:21.44	0.13
PKSM	28.6	85	Pg	9:06:20.79	-0.08
			Sg	06:25.07	0.21
MORH	28.9	85	Pg	9:06:21.05	0.14
			Sg	06:24.65	-0.29
PKSV	33.7	183	Pg	9:06:21.81	0.05
			Sg	06:26.38	-0.08

858.

2020-07-24 time: 10:01:19.15 UTC ML= 1.7  
 lat: 48.850N lon: 20.922E h= 0.0 km  
 erh= 1.7km erz= 3.4km  
 nr= 17 gap= 69 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	52.0	218	Pg	10:01:28.52	0.09
			Sg	01:35.52	-0.15
ABAH	65.9	159	Pg	10:01:30.92	0.00
			Sg	01:39.71	-0.39
STHS	67.2	20	Pg	10:01:31.33	0.17
			Sg	01:38.89	-1.63
NIE	77.3	325	Pg	10:01:33.44	0.48
			Sg	01:41.59	-2.13
KOLS	99.5	85	Pg	10:01:37.36	0.44
			Sg	01:50.79	0.02
LANS	111.6	287	Pg	10:01:39.57	0.50
			Sg	01:53.25	-1.36
PSZ	128.6	216	Pg	10:01:42.48	0.37
			Sg	01:58.55	-1.47
TRPA	143.8	124	Pn	10:01:43.79	-0.33
OJC	172.7	332	Pn	10:01:48.69	0.98
			Sn	02:10.24	0.25

859.

2020-07-24 time: 10:30:01.47 UTC ML= 1.5  
 lat: 48.489N lon: 17.185E h= 0.0 km  
 erh= 3.2km erz= 883km  
 nr= 7 gap=124 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	14.5	152	PgU	10:30:03.84	-0.22
			Sg	30:05.39	-0.70
SMOL	18.2	81	Pg	10:30:05.61	0.89
			Sg	30:06.70	-0.56
KRUC	86.2	318	Pg	10:30:16.34	-0.52
			Sg	30:28.78	-0.08
RONA	109.9	217	Pg	10:30:21.71	0.61

860.

2020-07-25 time: 8:18:30.25 UTC ML= 1.6  
 lat: 48.581N lon: 20.812E h= 7.2 km  
 erh= 2.4km erz= 2.2km  
 nr= 17 gap= 93 rms=0.78  
 Locality: Tornanádaska  
 Comments:

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KECS	26.4	246	Pg	8:18:34.97	-0.17
			Sg	18:39.00	0.05
ABAH	44.8	135	Pg	8:18:38.11	-0.24
			Sg	18:44.39	-0.28
STHS	98.2	19	ePg	8:18:49.20	1.36
			eSg	19:00.40	-1.15
PSZ	100.3	223	Pg	8:18:47.92	-0.29
			Sg	19:01.64	-0.58
LANS	117.2	303	Pn	8:18:50.20	-0.77
			Sn	19:04.19	-2.94
TRPA	137.5	111	Sn	8:19:10.76	-0.88
PENC	143.7	232	Pn	8:18:55.26	0.98
			Sn	19:14.78	1.76
VYHS	146.2	266	Pn	8:18:55.17	0.58
			Sn	19:12.87	-0.70
OJC	196.5	338	Sn	8:19:25.50	0.76
DRGR	244.8	144	Pn	8:19:07.16	0.28

861.

2020-07-25 time: 23:48:32.16 UTC ML= 2.2  
 lat: 48.104N lon: 22.930E h= 13.1 km  
 erh= 1.7km erz= 1.2km  
 nr= 39 gap=113 rms=0.75  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	29.3	276	PgD	23:48:38.03	0.14
			Sg	48:42.46	0.10
CEI	58.4	217	PgD	23:48:43.70	0.84
			Sg	48:51.50	0.30
BMR	64.0	139	PgD	23:48:43.17	-0.66
			Sg	48:50.97	-1.96
KOLS	104.2	332	Pn	23:48:50.13	-0.38
			Sn	49:03.72	-1.10
MESR	106.1	179	PnC	23:48:50.74	0.00
			Sn	49:03.40	-1.84
LTVH	111.1	224	Pn	23:48:51.77	0.39
			Sn	49:05.37	-0.99
ABAH	127.5	280	Pn	23:48:53.06	-0.35
			Sn	49:08.75	-1.24
DRGR	146.8	186	PnD	23:48:56.49	0.67
			Sn	49:13.92	-0.36
ARCR	155.8	137	PnC	23:48:57.90	0.95
			Sn	49:16.80	0.52
MARR	159.4	175	PnC	23:48:58.01	0.62
			Sn	49:17.60	0.53
CJR	162.6	162	Pn	23:48:58.11	0.32
			Sn	49:18.41	0.63
KWP	170.7	355	PnU	23:48:58.93	0.13
			Sn	49:18.40	-1.17
BURA	179.5	108	PnC	23:49:00.22	0.31
			Sn	49:21.50	-0.04
KECS	186.2	283	Pn	23:49:00.94	0.20
			Sn	49:22.92	-0.11
STHS	191.5	320	Sn	23:49:28.01	3.80
SIRR	225.7	205	Sn	23:49:37.57	5.78*
PSZ	227.4	265	Pn	23:49:05.88	0.00
			Sn	49:32.03	-0.14
NIE	241.7	307	Pn	23:49:08.59	0.94
			Sn	49:36.72	1.39
MDB	244.3	153	PnC	23:49:09.00	1.02
			Sn	49:36.90	0.98
AMBH	256.7	221	Sn	23:49:39.83	1.17
PENC	274.8	263	Pn	23:49:12.35	0.57
			Sn	49:53.60	10.92*
BZS	294.1	200	Pn	23:49:14.66	0.47
			Sn	49:47.69	0.73*
GZR	301.5	182	Pn	23:49:22.46	7.34*
			Sn	50:01.40	12.78*
LOT	302.1	168	PnD	23:49:16.28	1.09*
			Sn	49:50.30	1.55*
VYHS	306.8	278	Pn	23:49:16.13	0.35*

862.

2020-07-27 time: 5:46:33.85 UTC ML= 1.6  
 lat: 46.037N lon: 22.831E h= 0.0 km  
 erh= 1.7km erz= 2.0km  
 nr= 26 gap= 68 rms=0.95  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.0	162	PgU	5:46:37.99	0.93
			Sg	46:39.79	0.23
GZR	71.6	183	Pg	5:46:47.11	0.46
			Sg	46:56.62	0.00
MARR	74.4	17	PgC	5:46:47.89	0.75
			Sg	46:57.30	-0.21
DRGR	84.4	354	Pg	5:46:49.74	0.82
			Sg	46:58.97	-1.71
SIRR	94.1	286	Pg	5:46:51.30	0.65
			Sg	47:03.80	0.05
CJR	95.6	38	Sg	5:47:04.38	0.14
BZS	105.3	244	Pg	5:46:53.85	1.20
			Sg	47:05.90	-1.42
HERR	132.5	194	PnC	5:46:57.50	0.09
			Sn	47:13.90	-1.88
BANR	150.7	241	Sn	5:47:19.33	-0.50
ARR	158.9	118	PnD	5:47:00.90	0.20
			Sn	47:20.10	-1.54
MDVR	164.7	212	PnD	5:47:01.88	0.46
			Sn	47:22.30	-0.63
VOIR	185.1	111	PnC	5:47:04.19	0.23
			Sn	47:25.50	-1.95
MLR	249.7	104	Sn	5:47:44.06	2.26
BURA	252.8	46	PnC	5:47:11.68	-0.73
			Sn	47:41.10	-1.38
BLKB	268.6	183	Sn	5:47:44.50	-1.48

863.

2020-07-27 time: 9:49:25.29 UTC ML= 0.8  
 lat: 47.205N lon: 18.330E h= 0.0 km  
 erh= 2.5km erz= 2.8km  
 nr= 8 gap=155 rms=0.27  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.4	343	Pg	9:49:28.66	0.09
			Sg	49:30.50	-0.62
PKSG	21.3	13	Pg	9:49:29.31	0.22
			Sg	49:32.02	-0.04
MORH	112.5	168	Sg	9:50:00.64	-0.42
PKSM	112.9	168	Sg	9:50:01.55	0.37
KOVH	125.4	188	Sg	9:50:05.11	-0.02
PSZ	142.0	56	Sn	9:50:09.23	-0.09

864.

2020-07-28 time: 8:38:15.24 UTC ML= 1.3  
 lat: 47.839N lon: 19.102E h= 0.0 km  
 erh= 1.8km erz= 564km  
 nr= 7 gap=115 rms=0.38  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.5	112	Pg	8:38:17.80	-0.03
			Sg	38:19.88	0.03
PSZ	60.0	82	Pg	8:38:26.50	0.56
			Sg	38:33.57	-0.72
PKSG	73.0	227	Sg	8:38:38.66	0.22
VYHS	75.5	345	Sg	8:38:38.81	-0.41
PKST	103.0	231	Sg	8:38:47.77	-0.21



## Földrengés paraméterek

## Hypocenter Parameters

865.

2020-07-28 time: 9:00:46.64 UTC ML= 1.4  
 lat: 48.641N lon: 20.735E h= 0.0 km  
 erh= 1.3km erz= 1.3km  
 nr= 6 gap=233 rms=0.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.5	226	Pg	9:00:51.73			0.54
			Sg	00:54.76			0.02
ABAH	53.5	136	Pg	9:00:56.29			0.08
			Sg	01:03.30			-0.36
PSZ	101.8	218	Sg	9:01:18.68			-0.32
VYHS	141.1	263	Sn	9:01:29.62			-0.86

866.

2020-07-28 time: 9:12:39.25 UTC ML= 1.3  
 lat: 47.565N lon: 16.357E h= 0.0 km  
 erh= 2.7km erz= 3.6km  
 nr= 12 gap=136 rms=0.71  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	15.7	343	Pg	9:12:42.39			0.34
			Sg	12:44.14			-0.10
SOP	20.0	49	Pg	9:12:43.34			0.51
			Sg	12:46.25			0.63
CONA	54.9	317	Pg	9:12:49.80			0.74
			Sg	12:56.18			-0.53
ARSA	72.0	241	Sg	9:13:01.44			-0.70
MODS	113.2	37	Pg	9:12:59.54			0.08
			Sg	13:13.65			-1.57
PKST	131.1	105	Sn	9:13:19.54			-1.32
KRUC	166.5	1	Pn	9:13:07.21			0.17
			Sn	13:26.64			-2.08

867.

2020-07-28 time: 9:20:58.17 UTC ML= 1.4  
 lat: 48.557N lon: 19.366E h= 0.0 km  
 erh= 2.7km erz= 5.5km  
 nr= 13 gap=107 rms=0.99  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	39.7	260	Pg	9:21:06.56			1.30
			Sg	21:10.02			-0.78
LANS	66.4	6	Pg	9:21:09.77			-0.27
			Sg	21:18.83			-0.46
PSZ	81.1	151	Pg	9:21:13.07			0.41
			Sg	21:22.54			-1.42
KECS	83.2	96	Pg	9:21:13.89			0.87
			Sg	21:23.76			-0.84
PENC	85.4	184	Sg	9:21:24.07			-1.26
NIE	118.3	36	Sg	9:21:34.76			-1.02
BUD	122.0	192	Sg	9:21:35.47			-1.49
ABAH	141.7	102	Pn	9:21:24.42			1.55
			Sn	21:42.13			-0.01

868.

2020-07-28 time: 10:01:21.76 UTC ML= 1.5  
 lat: 48.132N lon: 16.919E h= 0.0 km  
 erh= 3.6km erz= 4.2km  
 nr= 11 gap=150 rms=0.81  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	37.8	45	Pg	10:01:28.22			-0.29
			Sg	01:32.90			-0.88
RONA	66.9	224	Pg	10:01:33.82			0.11
			Sg	01:42.34			-0.70
CONA	82.0	254	Sg	10:01:47.50			-0.34
KRUC	110.3	340	Pg	10:01:42.07			0.60
			Sg	01:55.31			-1.53
ARSA	143.5	227	Pn	10:01:47.55			0.86
			Sn	02:06.19			0.06
VYHS	147.8	74	ePn	10:01:49.00			1.78
			eSn	02:05.60			-1.49

869.

2020-07-28 time: 10:31:44.11 UTC ML= 1.2  
 lat: 48.480N lon: 19.558E h= 0.0 km  
 erh= 2.5km erz= 727km  
 nr= 6 gap=113 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	53.4	272	Sg	10:32:00.82			-0.26
PSZ	67.3	158	Pg	10:31:56.48			0.35
			Sg	32:04.76			-0.75
KECS	68.6	90	Pg	10:31:56.82			0.46
			Sg	32:05.62			-0.29
LANS	74.8	355	Sg	10:32:07.51			-0.38

870.

2020-07-29 time: 2:10:43.46 UTC ML= 1.4  
 lat: 48.529N lon: 19.237E h= 3.0 km  
 erh= 2.5km erz= 3.6km  
 nr= 14 gap= 56 rms=0.85  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
VYHS	29.9	263	PgU	2:10:49.23			0.41
			Sg	10:52.62			-0.39
LANS	71.2	14	Pg	2:10:56.68			0.50
			Sg	11:05.25			-0.86
PENC	82.2	178	Sg	2:11:08.21			-1.39
PSZ	83.6	144	Pg	2:10:58.62			0.21
			Sg	11:08.59			-1.47
KECS	92.4	93	Pg	2:11:00.17			0.20
			Sg	11:11.36			-1.49
SRO	105.1	221	Pg	2:11:02.94			0.70
NIE	126.5	39	Sn	2:11:22.75			-0.63
ABAH	150.5	100	Pn	2:11:09.94			1.06
			Sn	11:29.89			1.19
MORC	185.9	318	Sn	2:11:34.30			-2.26

871.

2020-07-29 time: 7:55:08.78 UTC ML= 1.2  
 lat: 48.634N lon: 20.752E h= 0.0 km  
 erh= 2.3km erz= 3.9km  
 nr= 9 gap=132 rms=0.49  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.9	229	Pg	7:55:13.99			0.60
			Sg	55:16.80			-0.20
ABAH	52.1	136	Pg	7:55:18.38			0.30
			Sg	55:24.92			-0.42
PSZ	101.9	219	Pg	7:55:27.12			0.14
			Sg	55:39.12			-2.06
LANS	110.3	301	Sg	7:55:43.46			-0.37
KOLS	116.6	73	Sg	7:55:45.50			-0.35
VYHS	142.3	264	Sn	7:55:52.70			-0.17

## Hypocenter Parameters

## Földrengés paraméterek

872.

2020-07-29 time: 8:21:24.51 UTC ML= 1.3  
 lat: 46.939N lon: 22.702E h= 0.0 km  
 erh= 5.8km erz= 3.0km  
 nr= 5 gap=311 rms=0.33  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	16.4	178	Pg	8:21:27.62			0.18
			Sg	21:29.87			0.14
SIRR	109.3	227	Sg	8:21:59.13			-0.14
BZS	169.1	210	Sn	8:22:14.55			-0.02
GZR	171.9	178	Sn	8:22:13.94			-1.25

873.

2020-07-29 time: 10:11:18.78 UTC ML= 1.0  
 lat: 48.480N lon: 19.556E h= 0.0 km  
 erh= 2.8km erz= 616km  
 nr= 6 gap=178 rms=0.37  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	53.2	272	Pg	10:11:28.59			0.31
			Sg	11:35.13			-0.56
PSZ	67.3	158	Pg	10:11:31.05			0.26
			Sg	11:39.42			-0.75
KECS	68.7	90	Pg	10:11:31.20			0.15
			Sg	11:40.34			-0.29

874.

2020-07-29 time: 11:18:29.39 UTC ML= 1.4  
 lat: 46.112N lon: 21.706E h= 0.0 km  
 erh= 2.6km erz= 4.1km  
 nr= 12 gap=161 rms=0.66  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SIRR	17.6	348	PgU	11:18:32.88			0.35
			Sg	18:34.56			-0.43
BZS	55.5	187	Pg	11:18:39.38			0.08
			Sg	18:46.19			-0.85
DRGR	108.0	46	Pg	11:18:49.25			0.57
			Sg	19:02.58			-1.15
GZR	115.5	134	Pg	11:18:50.96			0.95
			Sg	19:06.12			0.03
MARR	125.5	60	PgC	11:18:51.70			-0.09
			Sg	19:06.00			-3.27
MDVR	147.9	180	PnD	11:18:54.80			-0.07
			Sn	19:13.70			-1.04

875.

2020-07-30 time: 6:54:57.05 UTC ML= 1.6  
 lat: 47.377N lon: 18.369E h= 0.0 km  
 erh= 1.8km erz= 2.1km  
 nr= 11 gap=108 rms=0.78  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	2.3	44	PgU	6:54:57.82			0.36
			Sg	54:58.41			0.63
CSKK	8.4	260	PgU	6:54:59.13			0.59
			Sg	55:00.25			0.54
VYHS	129.0	16	Pg	6:55:20.42			0.33
			Sg	55:36.66			-1.40
PSZ	129.4	62	Pg	6:55:20.45			0.29
			Sg	55:38.19			0.00

MORH	130.8	171	Sn	6:55:36.91			-1.68
PKSM	131.2	171	Sn	6:55:37.27			-1.41
MODS	137.7	324	Sn	6:55:38.85			-1.28

876.

2020-07-30 time: 7:04:59.13 UTC ML= 1.7  
 lat: 48.719N lon: 18.439E h= 0.0 km  
 erh= 6.8km erz= 7.7km  
 nr= 18 gap= 78 rms=2.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	38.5	131	Pg	7:05:06.34			0.33
			Sg	05:10.78			-0.59
SMOL	77.9	253	Sg	7:05:23.40			-0.50
LANAS	89.3	58	Sg	7:05:26.27			-1.25
MODS	94.0	246	Pg	7:05:16.62			0.71
			Sg	05:28.71			-0.29
PENC	120.7	149	Sg	7:05:36.20			-1.30
MORC	134.5	331	Pn	7:05:22.26			-0.68
			Sn	05:39.19			-2.32
PSZ	139.9	130	Sn	7:05:41.89			-0.81
PKSG	147.6	181	Sn	7:05:43.91			-0.50
KECS	153.2	100	Pn	7:05:26.58			1.32
			Sn	05:43.55			-2.10
NIE	157.5	60	Pn	7:05:26.78			0.98
			Sn	05:46.48			-0.12
PKST	165.1	191	Sn	7:05:46.83			-1.47
OJC	193.8	31	Sn	7:05:56.00			1.34
ZAVS	361.3	225	iPn	7:06:18.41			27.20

877.

2020-07-30 time: 9:04:54.13 UTC ML= 1.4  
 lat: 48.987N lon: 20.260E h= 0.0 km  
 erh= 3.8km erz= 4.7km  
 nr= 7 gap=159 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
NIE	48.2	5	Pg	9:05:02.91			0.17
			Sg	05:08.53			-0.93
KECS	58.4	163	Sg	9:05:12.35			-0.35
VYHS	118.2	242	Sg	9:05:31.91			0.22
PSZ	121.8	193	Sg	9:05:32.65			-0.21
OJC	141.1	346	Pn	9:05:19.76			1.00
			Sn	05:37.22			-0.75

878.

2020-07-30 time: 9:40:53.32 UTC ML= 0.9  
 lat: 47.219N lon: 18.329E h= 0.0 km  
 erh= 1.0km erz= 2.0km  
 nr= 9 gap=111 rms=0.26  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	16.9	342	Pg	9:40:56.47			0.14
			Sg	40:58.02			-0.66
PKSG	19.8	14	Pg	9:40:57.18			0.33
			Sg	40:59.50			-0.11
MPLH	60.1	265	Pg	9:41:04.14			0.10
			Sg	41:12.29			-0.12
MORH	114.1	168	Sg	9:41:29.42			-0.16
PKSM	114.5	168	Sg	9:41:29.72			0.02
PSZ	141.2	57	Sn	9:41:36.72			-0.45

## Földrengés paraméterek

## Hypocenter Parameters

879.

2020-07-30 time: 9:52:37.50 UTC ML= 1.5  
 lat: 48.600N lon: 20.761E h= 0.0 km  
 erh= 1.3km erz= 2.1km  
 nr= 13 gap= 87 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.2	237	Pg	9:52:42.16			0.34
			Sg		52:45.84		0.66
ABAH	49.0	134	Pg	9:52:46.07			-0.17
			Sg		52:53.17		0.11
STHS	97.4	21	eSg	9:53:09.20			0.75
PSZ	99.5	220	Pg	9:52:55.31			0.05
			Sg		53:08.91		-0.21
LANS	112.9	303	Pg	9:52:57.62			-0.04
			Sg		53:12.28		-1.10
KOLS	117.1	72	Sg	9:53:14.81			0.08
TRPA	141.7	112	Pn	9:53:01.76			-0.44
			Sn		53:17.62		-3.85*
VYHS	142.6	265	Pn	9:53:02.66			0.34
			Sn		53:21.00		-0.68

880.

2020-07-30 time: 10:52:50.33 UTC ML= 1.7  
 lat: 46.282N lon: 22.027E h= 0.0 km  
 erh= 2.0km erz= 2.5km  
 nr= 22 gap=129 rms=0.80  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SIRR	28.3	267	PgU	10:52:55.17			-0.22
			Sg		52:58.62		-0.72
DRGR	77.2	43	Pg	10:53:04.00			-0.12
			Sg		53:13.50		-1.38
BZS	80.5	203	Pg	10:53:05.03			0.33
			Sg		53:15.11		-0.81
MARR	94.6	62	PgD	10:53:07.58			0.36
			Sg		53:19.40		-1.00
GZR	114.7	149	Pg	10:53:11.66			0.85
			Sg		53:26.40		-0.38
MESR	119.5	36	PgC	10:53:12.83			1.16
			Sg		53:27.60		-0.71
CJR	129.8	68	Sg	10:53:29.66			-1.93
HERR	158.6	169	PnD	10:53:18.10			0.96
			Sn		53:37.00		-1.06
LOT	164.0	124	PnC	10:53:18.62			0.80
			Sn		53:39.10		-0.16
MDVR	168.6	188	PnC	10:53:19.33			0.95
			Sn		53:39.60		-0.66
BMR	190.8	36	Sn	10:53:46.50			1.30
BURA	284.5	59	PnC	10:53:34.15			1.32
			Sn		54:06.20		0.21

881.

2020-07-30 time: 13:43:30.52 UTC ML= 1.6  
 lat: 47.824N lon: 16.008E h= 0.0 km  
 erh= 2.0km erz= 2.7km  
 nr= 15 gap= 72 rms=0.64  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	16.0	317	Pg	13:43:33.70			0.33
			Sg		43:36.25		0.65
RONA	25.6	123	Pg	13:43:35.54			0.45
			Sg		43:39.01		0.35
ARSA	73.5	210	Pg	13:43:43.50			-0.14
MODS	112.6	57	Sg	13:44:05.36			-0.94
MOA	130.5	271	Pg	13:43:53.87			0.05

KRUC	140.6	12	Sg	44:10.32			-1.67
			Pn	13:43:54.94			-0.15
SOKA	147.2	210	Sn	44:10.16			-4.09*
			Pn	13:43:55.96			0.05
GROS	156.3	194	Sn	44:15.77			0.05
			Pn	13:43:57.29			0.25
KBA	217.3	248	Sn	44:15.98			-1.75
			Pn	13:44:05.66			1.01

882.

2020-07-30 time: 19:10:02.80 UTC ML= 1.6  
 lat: 47.293N lon: 18.344E h= 10.3 km  
 erh= 1.4km erz= 1.1km  
 nr= 29 gap= 69 rms=0.67  
 Locality: Magyaralmás  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.0	321	PgU	19:10:05.03			-0.34
			Sg		10:06.75		-0.61
PKSG	11.5	18	PgD	19:10:05.40			-0.16
			Sg		10:07.03		-0.67
BUD	55.5	68	Sg	19:10:20.04			-0.71
SRO	57.9	358	eSg	19:10:21.40			-0.08
MPLH	62.5	257	Pg	19:10:14.35			0.24
			Sg		10:23.01		0.08
PKB1	66.0	149	Pg	19:10:15.13			0.39
			Sg		10:23.89		-0.16
PKS9	78.7	184	Pg	19:10:17.24			0.26
			Sg		10:27.71		-0.32
PKB5	83.2	159	Pg	19:10:19.00			1.23
			Sg		10:29.83		0.39
PKB4	90.8	167	Pg	19:10:19.90			0.78
			Sg		10:30.55		-1.30
PKB2	97.0	135	Sg	19:10:33.31			-0.49
PKB3	116.4	146	Sn	19:10:38.49			-0.34
MORH	122.0	169	Pn	19:10:23.57			-0.16
			Sn		10:38.59		-1.47
PKSM	122.4	169	Pn	19:10:23.74			-0.04
			Sn		10:38.52		-1.63
KOVH	135.3	188	Sn	19:10:42.75			-0.26
PSZ	135.7	59	Sn	19:10:43.93			0.82
VYHS	138.5	15	Pn	19:10:27.70			1.91
			Sn		10:43.69		-0.03
SOP	141.4	288	Pn	19:10:25.73			-0.43
MODS	144.2	326	Sn	19:10:44.72			-0.28
PKSV	156.3	183	Sn	19:10:48.69			1.00

883.

2020-07-30 time: 23:32:34.78 UTC ML= 0.9  
 lat: 47.665N lon: 20.339E h= 15.0 km  
 erh= 2.7km erz= 2.8km  
 nr= 7 gap=144 rms=0.45  
 Locality: Tenk  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BSZH	41.0	188	Sg	23:32:48.72			0.06
PSZ	43.6	310	Pg	23:32:43.61			0.60
			Sg		32:48.52		-0.91
PENC	80.5	280	S*	23:33:00.34			-0.41
KECS	91.6	7	S*	23:33:04.09			0.34
ABAH	97.1	44	P*	23:32:51.89			-0.01
			S*		33:04.86		-0.39

884.

2020-07-31 time: 7:27:48.30 UTC ML= 1.6  
 lat: 48.816N lon: 21.628E h= 0.0 km  
 erh= 1.9km erz= 3.8km  
 nr= 12 gap= 97 rms=0.67  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

## Földregés paraméterek

sta	dist	azm	phase	hr mn sec	res
KOLS	49.1	75	Pg	7:27:57.68	0.61
			Sg	28:03.91	0.00
ABAH	64.5	206	Sg	7:28:08.81	0.00
STHS	72.5	337	Sg	7:28:10.75	-0.59
KECS	91.9	246	Pg	7:28:05.13	0.41
			Sg	28:16.37	-1.15
TRPA	101.7	139	Pg	7:28:05.74	-0.73
			Sg	28:20.55	-0.09
NIE	117.1	305	Pg	7:28:09.93	0.72
			Sg	28:24.13	-1.39
PSZ	162.6	232	Sn	7:28:37.56	0.64
VYHS	208.8	260	Sn	7:28:48.02	0.86

885.

2020-07-31 time: 7:34:19.22 UTC ML= 1.4  
 lat: 46.145N lon: 18.045E h= 0.0 km  
 erh= 1.5km erz= 201km  
 nr= 7 gap=290 rms=0.14  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	7.6	146	PgU	7:34:20.61	0.03
			Sg	34:21.78	0.14
PKSV	32.7	151	PgU	7:34:24.93	-0.13
			Sg	34:29.45	-0.17
PKSM	46.7	81	Pg	7:34:27.76	0.20
			Sg	34:33.89	-0.17
MORH	47.0	80	Sg	7:34:34.15	0.00

886.

2020-07-31 time: 8:48:53.09 UTC ML= 1.3  
 lat: 48.403N lon: 19.113E h= 0.0 km  
 erh= 2.7km erz= 4.6km  
 nr= 10 gap=122 rms=0.95  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	22.8	296	Pg	8:48:57.85	0.68
			Sg	49:00.40	0.05
PENC	69.3	170	Sg	8:49:13.93	-1.18
PSZ	79.3	133	Pg	8:49:08.66	1.41
			Sg	49:17.97	-0.33
KECS	101.9	85	Pg	8:49:11.66	0.37
			Sg	49:24.65	-0.84
PKSG	124.8	206	Sg	8:49:32.24	-0.51
MODS	136.0	269	Sn	8:49:33.90	-1.89
MORC	191.0	323	Sn	8:49:46.55	-1.46

887.

2020-07-31 time: 10:00:15.74 UTC ML= 1.5  
 lat: 48.154N lon: 16.896E h= 0.0 km  
 erh= 2.1km erz= 2.6km  
 nr= 16 gap= 88 rms=0.73  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	37.4	49	Pg	10:00:22.20	-0.22
			Sg	00:27.36	-0.27
SMOL	56.2	45	Sg	10:00:33.85	0.23
SOP	58.1	206	Sg	10:00:33.69	-0.51
RONA	67.5	222	Pg	10:00:28.54	0.74
			Sg	00:36.30	-0.90
CONA	81.1	252	Pg	10:00:30.99	0.76
			Sg	00:41.10	-0.42
KRUC	107.5	340	Sg	10:00:49.57	-0.35
MPLH	119.6	156	Sg	10:00:53.05	-0.69
PKSG	140.4	127	Pn	10:00:39.67	-0.62

sta	dist	azm	phase	hr mn sec	res
ARSA	143.9	226	Sn	00:58.20	-1.23
			Pn	10:00:41.81	1.09
			Sn	00:59.38	-0.82
VYHS	148.8	75	Pn	10:00:42.37	1.05
			Sn	01:00.81	-0.47

888.

2020-08-02 time: 7:49:50.60 UTC ML= 1.5  
 lat: 47.556N lon: 20.390E h= 7.6 km  
 erh= 4.0km erz= 4.7km  
 nr= 11 gap=171 rms=0.93  
 Locality: Hevesvezekény  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	54.8	317	Pg	7:50:01.27	0.79
			Sg	50:06.53	-1.65
PKSN	83.3	208	Sg	7:50:16.16	-1.03
PENC	87.2	287	Pg	7:50:07.21	0.97
			Sg	50:18.19	-0.24
KECS	103.3	4	Pg	7:50:09.93	0.83
			Sg	50:22.75	-0.78
ABAH	103.9	38	Pg	7:50:09.58	0.38
			Sg	50:22.17	-1.54
PKSG	151.8	263	Sn	7:50:35.03	-0.07
VYHS	155.9	312	eSn	7:50:34.60	-1.41

889.

2020-08-02 time: 21:29:59.12 UTC ML= 2.1  
 lat: 45.871N lon: 16.007E h= 10.0 km  
 erh= 2.8km erz= 1.4km  
 nr= 22 gap=111 rms=0.75  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	4.7	192	Pg	21:30:00.91	-0.19
			Sg	30:02.44	-0.19
PTJ	5.0	311	Pg	21:30:00.58	-0.54
			Sg	30:01.11	-1.56
GCIS	29.5	269	iPg	21:30:04.92	0.24
			iSg	30:08.97	-0.05
GOLS	33.5	298	iPg	21:30:06.36	0.99
CRES	43.0	263	iSg	21:30:13.47	0.30
DOBS	51.9	307	iPg	21:30:08.79	0.22
GROS	76.3	329	Pg	21:30:12.79	-0.08
			Sg	30:21.44	-2.16
BEHE	89.2	42	Pg	21:30:15.59	0.43
			Sg	30:28.57	0.91
PERS	109.3	321	Pn	21:30:18.24	-0.27
			Sn	30:31.57	-2.07
SOKA	117.0	320	Pn	21:30:19.61	0.13
			Sn	30:34.17	-1.18
OBKA	133.1	302	Pn	21:30:22.37	0.89
			Sn	30:38.76	-0.15
ARSA	157.8	346	Pn	21:30:27.20	2.64
			Sn	30:45.20	0.80
KOVH	164.0	82	Sn	21:30:45.57	-0.20

890.

2020-08-03 time: 8:26:10.29 UTC ML= 1.5  
 lat: 47.703N lon: 16.079E h= 0.0 km  
 erh= 2.2km erz= 2.7km  
 nr= 18 gap=104 rms=1.09  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.3	91	PgD	8:26:14.17	0.96
			Sg	26:16.17	0.69
CONA	29.9	327	Pg	8:26:16.23	0.60
			Sg	26:20.47	0.68

## Földrengés paraméterek

## Hypocenter Parameters

SOP 36.0 93 Pg 8:26:17.41 0.68  
 Sg 26:21.49 -0.26  
 ARSA 65.5 220 Pg 8:26:22.39 0.40  
 Sg 26:30.23 -0.88  
 MODS 116.4 50 Pg 8:26:31.78 0.70  
 Sg 26:45.08 -2.21  
 SMOL 135.0 48 Sn 8:26:50.75 -2.03  
 MOA 136.9 277 Pn 8:26:35.07 0.68  
 Sn 26:51.49 -1.70  
 SOKA 138.8 215 Sn 8:26:52.25 -1.38  
 PERS 139.3 212 Pn 8:26:35.49 0.80  
 Sn 26:51.83 -1.90  
 GROS 144.9 198 Sn 8:26:53.66 -1.31  
 KRUC 152.9 9 Sn 8:26:53.17 -3.58

891.

2020-08-03 time: 9:05:56.21 UTC ML= 1.6  
 lat: 48.528N lon: 19.376E h= 0.0 km  
 erh= 3.9km erz= 4.2km  
 nr= 6 gap=137 rms=0.72  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	40.0	265	Sg	9:06:09.31			0.37
PSZ	78.0	150	Sg	9:06:20.78			-0.22
KECS	82.2	93	Pg	9:06:11.73			0.85
			Sg	06:21.57			-0.76
ABAH	140.4	101	Sn	9:06:38.74			-1.14
MORC	192.8	316	Sn	9:06:51.10			-0.42

892.

2020-08-03 time: 9:50:43.66 UTC ML= 2.3  
 lat: 47.018N lon: 21.383E h= 11.5 km  
 erh= 1.5km erz= 1.4km  
 nr= 34 gap= 43 rms=0.76  
 Locality: Újiráz  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BORR	31.7	75	PgC	9:50:50.27			0.60
			Sg	50:55.20			0.84
LTVH	56.6	44	Pg	9:50:54.10			0.12
			Sg	51:00.60			-1.43
SIRR	86.0	166	Pg	9:50:59.14			-0.02
			Sg	51:09.48			-1.77
AMBH	89.6	214	Sg	9:51:12.09			-0.28
BSZH	90.2	290	Pg	9:51:00.16			0.26
			Sg	51:12.29			-0.28
DRGR	104.3	104	P*	9:51:01.82			-0.37
			S*	51:14.94			-1.71
PKSN	116.1	263	Pn	9:51:03.76			0.06
			Sn	51:19.05			-0.29
MESR	119.9	83	PnC	9:51:04.96			0.79
			Sn	51:20.20			0.03
MARR	137.8	106	PnD	9:51:07.53			1.13
			Sn	51:24.00			-0.14
ABAH	142.6	356	Pn	9:51:07.16			0.16
			Sn	51:24.19			-1.01
PSZ	150.4	312	Pn	9:51:06.87			-1.10
			Sn	51:25.65			-1.29
TRPA	151.3	35	Pn	9:51:07.29			-0.79
BZS	156.8	173	Pn	9:51:09.01			0.24
			Sn	51:27.24			-1.11
CJR	172.3	101	Sn	9:51:32.64			0.84
KECS	176.3	338	Pn	9:51:12.26			1.06
			Sn	51:33.22			0.53
PENC	180.4	298	Pn	9:51:11.46			-0.25
			Sn	51:34.74			1.14
GZR	210.2	149	Pn	9:51:16.61			1.18
ARCR	225.9	88	Sn	9:51:44.60			0.91
MORH	227.9	247	Pn	9:51:18.66			1.02
PKSM	228.3	247	Pn	9:51:18.35			0.66

BURA 297.4 77 PnC 9:51:27.80 1.50

893.

2020-08-04 time: 7:13:20.97 UTC ML= 1.0  
 lat: 48.318N lon: 19.822E h= 0.0 km  
 erh= 4.3km erz= \*\*\*km  
 nr= 5 gap=145 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	44.8	173	Pg	7:13:28.58			-0.39
			Sg	13:34.80			-0.41
KECS	52.4	70	Sg	7:13:37.82			0.19
PENC	71.2	214	Sg	7:13:44.94			1.34
VYHS	75.6	285	Pg	7:13:34.50			0.04

894.

2020-08-04 time: 8:31:54.18 UTC ML= 1.4  
 lat: 47.462N lon: 18.727E h= 0.0 km  
 erh= 1.8km erz= 2.5km  
 nr= 16 gap= 99 rms=0.72  
 Locality: Etyek  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
BUD	22.5	84	Pg	8:31:59.23			1.03
			Sg	32:02.39			1.06
PKSG	26.6	253	Pg	8:31:58.83			-0.10
			Sg	32:02.90			0.27
CSKK	36.9	253	Pg	8:32:00.76			-0.01
			Sg	32:06.31			0.39
PENC	55.4	49	Sg	8:32:11.48			-0.31
MPLH	95.5	250	Sg	8:32:25.55			1.01
PSZ	101.3	60	Pg	8:32:12.47			0.21
			Sg	32:25.09			-1.28
EGYH	105.4	267	Sg	8:32:27.23			-0.45
VYHS	115.0	4	Pg	8:32:14.89			0.16
			Sg	32:29.65			-1.10
MORH	138.7	183	Sn	8:32:36.15			-1.33
PKSM	139.1	183	Sn	8:32:36.06			-1.52
MODS	148.4	313	Sn	8:32:39.20			-0.44

895.

2020-08-04 time: 9:56:32.05 UTC ML= 1.8  
 lat: 46.008N lon: 22.812E h= 0.0 km  
 erh= 2.6km erz= 963km  
 nr= 11 gap=115 rms=0.80  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	15.6	153	Pg	9:56:34.75			-0.08
			Sg	56:37.87			0.87
GZR	68.4	182	Pg	9:56:44.69			0.43
			Sg	56:53.13			-0.66
DRGR	87.4	355	Pg	9:56:47.46			-0.20
			Sg	56:57.70			-2.14
SIRR	93.6	288	Pg	9:56:49.92			1.15
			Sg	57:00.96			-0.85
CJR	99.0	38	Sg	9:57:03.72			0.20
BZS	102.6	245	Pg	9:56:50.67			0.29
			Sg	57:03.12			-1.55

## Hypocenter Parameters

## Földrengés paraméterek

896.

2020-08-04 time: 10:57:54.86 UTC ML= 1.6  
 lat: 46.801N lon: 22.868E h= 0.0 km  
 erh= 8.2km erz= 5.4km  
 nr= 9 gap=221 rms=0.79  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	12.0	265	Pg	10:57:56.10	-0.91
			Sg	57:59.12	0.44
MARR	23.7	126	PgC	10:57:58.91	-0.17
			Sg	58:02.40	0.03
SIRR	110.1	237	Pg	10:58:15.69	1.18
			Sg	58:28.14	-1.70
GZR	156.6	183	Pn	10:58:21.81	0.39
			Sn	58:42.50	0.36
BZS	163.3	216	Sn	10:58:43.50	-0.11

897.

2020-08-04 time: 11:38:11.87 UTC ML= 1.8  
 lat: 48.239N lon: 21.246E h= 0.0 km  
 erh= 1.6km erz= 2.4km  
 nr= 14 gap= 98 rms=0.52  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.3	356	Pg	11:38:12.89	-0.11
			Sg	38:13.96	0.08
KECS	62.5	296	Pg	11:38:23.33	0.30
			Sg	38:30.91	-0.83
TRPA	96.9	97	Pg	11:38:28.97	-0.21
			Sg	38:42.00	-0.68
PSZ	106.8	250	Pg	11:38:31.21	0.26
			Sg	38:45.31	-0.52
LTVH	106.9	153	Pg	11:38:31.37	0.41
KOLS	108.2	44	Pg	11:38:31.72	0.54
STHS	130.9	360	Sn	11:38:51.57	-1.88
NIE	148.0	332	Sn	11:38:57.37	0.14
LANS	165.5	308	Sn	11:39:00.02	-1.11
VYHS	180.8	279	Sn	11:39:05.72	1.21

898.

2020-08-05 time: 7:48:21.50 UTC ML= 1.5  
 lat: 48.611N lon: 18.552E h= 0.0 km  
 erh= 3.9km erz= 4.6km  
 nr= 13 gap=136 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	24.7	122	Pg	7:48:26.52	0.60
			Sg	48:30.19	0.83
LANS	90.1	48	Sg	7:48:49.28	-0.85
PENC	106.2	149	Sg	7:48:54.73	-0.52
			Pg	7:48:43.93	-0.07
PSZ	126.0	128	Sg	49:00.22	-1.33
			Pn	7:48:46.37	-0.06
KECS	143.5	96	Sn	49:03.78	-2.09
			Pn	7:48:46.99	-0.13
MORC	149.0	330	Sn	49:05.01	-2.09
			Pn	7:48:48.72	0.83
NIE	157.1	55	Pn	7:48:49.22	1.10
			Sn	49:09.38	0.50

899.

2020-08-05 time: 7:56:22.82 UTC ML= 2.2  
 lat: 46.850N lon: 17.316E h= 0.0 km  
 erh= 1.7km erz= 3.1km  
 nr= 9 gap=159 rms=0.49  
 Locality: Lesencefalu  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	91.7	51	Sg	7:56:52.61	0.65
KOGS	93.0	241	Sg	7:56:53.11	0.74
PKSG	101.4	54	Sg	7:56:54.92	-0.15
KOVH	103.9	145	Pg	7:56:41.74	0.36
			Sg	56:55.62	-0.23
MORH	123.9	125	Sg	7:57:01.85	-0.36
PKSM	124.0	125	Sg	7:57:01.95	-0.29
GROS	145.4	253	Pn	7:56:47.19	-0.80
			Sn	57:07.67	0.05

900.

2020-08-05 time: 8:59:12.32 UTC ML= 1.4  
 lat: 48.549N lon: 20.749E h= 0.0 km  
 erh= 2.6km erz= 4.1km  
 nr= 15 gap= 94 rms=1.13  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.7	249	Pg	8:59:16.58	0.55
			Sg	59:19.29	0.38
ABAH	45.9	128	Pg	8:59:21.09	0.56
			Sg	59:27.65	0.72
PSZ	94.6	222	Pg	8:59:30.09	0.89
			Sg	59:42.05	-0.33
NIE	101.9	342	Pg	8:59:32.64	2.13
			Sg	59:43.58	-1.12
LANS	115.4	305	Pg	8:59:32.18	-0.74
			Sg	59:47.74	-1.25
KOLS	120.0	69	Pg	8:59:34.27	0.52
			Sg	59:48.36	-2.11
TRPA	140.7	109	Sn	8:59:53.81	-2.25
			Pn	8:59:36.86	-0.13
VYHS	141.4	268	Sn	59:54.27	-1.95

901.

2020-08-05 time: 11:27:35.19 UTC ML= 1.5  
 lat: 46.090N lon: 22.048E h= 10.0 km  
 erh= 1.9km erz= 2.0km  
 nr= 16 gap= 90 rms=0.70  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SIRR	35.9	303	PgD	11:27:42.15	0.31
			Sg	27:46.90	-0.13
BZS	62.4	212	Pg	11:27:46.36	-0.11
			Sg	27:53.07	-2.20
DRGR	93.2	33	Pg	11:27:51.81	-0.12
			Sg	28:04.36	-0.62
GZR	96.0	144	PgD	11:27:53.56	1.14
			Sg	28:06.40	0.54
MARR	105.0	52	P*D	11:27:54.08	0.10
			S*	28:08.00	-0.64
AMBH	106.0	286	S*	11:28:09.79	0.88
HERR	137.4	168	Sn	11:28:15.50	-0.44
MDVR	147.8	190	PnC	11:27:58.64	-0.74
			Sn	28:17.20	-1.04
LOT	151.8	118	PnC	11:28:01.19	1.32
			Sn	28:18.80	-0.33

## Földrengés paraméterek

## Hypocenter Parameters

902.

2020-08-06 time: 0:47:59.82 UTC ML= 1.3  
 lat: 48.577N lon: 19.344E h= 5.5 km  
 erh= 2.6km erz= 3.8km  
 nr= 13 gap=112 rms=0.79  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
VYHS	38.6	256	Pg	0:48:07.18			0.40
			Sg	48:11.50			-0.71
LANS	64.5	8	Pg	0:48:12.01			0.64
			Sg	48:19.75			-0.63
PSZ	83.9	151	Pg	0:48:15.70			0.87
			Sg	48:25.85			-0.68
KECS	85.0	97	Pg	0:48:15.24			0.21
			Sg	48:25.77			-1.12
PENC	87.5	183	Pg	0:48:15.17			-0.31
			Sg	48:26.26			-1.44
NIE	117.5	37	Sn	0:48:35.34			-1.83
ABAH	143.7	103	Pn	0:48:25.11			1.03
			Sn	48:43.48			0.49

903.

2020-08-06 time: 7:41:40.09 UTC ML= 1.5  
 lat: 48.998N lon: 18.178E h= 4.3 km  
 erh= 3.3km erz= 4.6km  
 nr= 8 gap=167 rms=0.65  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
VYHS	74.0	139	Pg	7:41:53.55			0.22
			Sg	42:03.16			-0.50
SMOL	77.1	226	Sg	7:42:05.81			1.19
MODS	96.0	224	Sg	7:42:08.77			-1.87
MORC	98.2	332	Pg	7:41:57.77			0.14
			Sg	42:10.88			-0.43
KRLC	156.8	320	Pn	7:42:06.46			0.34
			Sn	42:26.04			-0.38

904.

2020-08-06 time: 8:30:10.79 UTC ML= 1.4  
 lat: 47.561N lon: 18.478E h= 0.0 km  
 erh= 2.0km erz= 4.2km  
 nr= 12 gap= 77 rms=1.17  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	19.9	199	Pg	8:30:15.15			0.80
			Sg	30:17.69			0.57
CSKK	27.4	217	Pg	8:30:15.86			0.17
			Sg	30:19.71			0.20
BUD	42.0	102	Sg	8:30:24.93			0.78
MPLH	83.1	238	Sg	8:30:37.45			0.24
VYHS	107.1	14	Pg	8:30:30.96			1.04
			Sg	30:42.95			-1.89
PSZ	113.4	70	Sg	8:30:46.95			0.10
MODS	127.3	315	Sg	8:30:49.76			-1.48
MORH	150.1	175	Sn	8:30:53.76			-2.86
PKSM	150.5	175	Sn	8:30:53.11			-3.60

905.

2020-08-06 time: 9:48:08.35 UTC ML= 1.1  
 lat: 46.160N lon: 18.298E h= 0.0 km  
 erh= 0.7km erz= 233km  
 nr= 11 gap=116 rms=0.19  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.3	243	Pg	9:48:11.34			-0.09
			Sg	48:13.57			-0.27
PKSM	27.1	78	Pg	9:48:13.28			0.08
			Sg	48:16.84			-0.14
MORH	27.4	77	Pg	9:48:13.18			-0.07
			Sg	48:16.79			-0.29
PKSV	30.4	187	Pg	9:48:13.99			0.21
			Sg	48:18.21			0.20
PKS9	47.5	358	Sg	9:48:23.61			0.16
PKB1	79.1	29	Sg	9:48:33.44			-0.06
PKB2	92.4	52	Sg	9:48:38.94			1.22

906.

2020-08-06 time: 10:01:01.96 UTC ML= 0.4  
 lat: 47.201N lon: 18.257E h= 0.0 km  
 erh= 2.2km erz= 680km  
 nr= 7 gap=139 rms=0.45  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.0	1	Sg	10:01:07.47			-0.22
PKST	18.0	291	Pg	10:01:05.11			-0.07
			Sg	01:07.75			0.06
PKSG	23.5	26	Pg	10:01:06.62			0.46
			Sg	01:09.03			-0.40
MORH	113.5	165	Sg	10:01:36.87			-1.15
PKSM	113.8	165	Sg	10:01:38.68			0.54

907.

2020-08-06 time: 12:07:03.45 UTC ML= 1.4  
 lat: 47.587N lon: 16.335E h= 0.0 km  
 erh= 1.4km erz= 2.2km  
 nr= 16 gap= 79 rms=0.58  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	12.8	347	PgU	12:07:05.91			0.17
			Sg	07:07.77			0.24
SOP	19.9	58	Pg	12:07:07.02			0.01
			Sg	07:09.83			0.05
CONA	51.9	317	Pg	12:07:12.94			0.22
			Sg	07:19.87			-0.09
ARSA	71.8	239	Sg	12:07:25.71			-0.55
EGYH	77.5	104	Sg	12:07:28.36			0.29
MODS	112.3	39	Sg	12:07:38.35			-0.78
KOGS	126.8	183	Pg	12:07:26.40			0.31
			Sg	07:43.27			-0.48
SMOL	131.4	38	Sn	12:07:43.27			-1.87
GROS	140.3	207	Sn	12:07:46.18			-0.93
MOA	157.9	281	Pn	12:07:31.57			1.39
			Sn	07:50.24			-0.78
PTJ	189.8	189	Sn	12:07:59.36			1.28

908.

2020-08-07 time: 7:49:21.30 UTC ML= 1.2  
 lat: 48.575N lon: 20.758E h= 0.0 km  
 erh= 2.7km erz= 3.2km  
 nr= 9 gap=164 rms=0.38  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	22.6	243	Pg	7:49:25.66			0.33
			Sg	49:28.51			0.04
ABAH	47.2	131	Pg	7:49:29.93			0.20
			Sg	49:36.35			0.05
PSZ	97.2	221	Pg	7:49:38.76			0.11
			Sg	49:51.51			-0.68

## Hypocenter Parameters

KOLS 118.3 70 Sg 7:49:57.92 -0.99  
 VYHS 142.2 266 Pn 7:49:46.27 0.20  
 Sn 50:04.69 -0.70

909.

2020-08-07 time: 8:00:26.73 UTC ML= 0.8  
 lat: 48.003N lon: 19.645E h= 0.0 km  
 erh= 4.0km erz= 911km  
 nr= 5 gap=165 rms=0.41  
 Locality: Garáb  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	20.9	117	Pg	8:00:30.42	-0.03
			Sg	00:33.63	0.27
PENC	36.0	229	Pg	8:00:32.61	-0.55
			Sg	00:38.87	0.69
VYHS	81.2	312	Sg	8:00:52.77	0.23

910.

2020-08-07 time: 8:10:22.88 UTC ML= 1.5  
 lat: 45.859N lon: 18.405E h= 0.0 km  
 erh= 5.3km erz= 784km  
 nr= 9 gap=261 rms=0.59  
 Locality: Nagyharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	12.3	286	Sg	8:10:26.05	-0.75
KOVH	34.8	317	Pg	8:10:29.10	0.00
			Sg	10:33.84	-0.10
PKSM	43.3	25	Pg	8:10:30.48	-0.14
			Sg	10:36.28	-0.37
MORH	43.8	25	PgU	8:10:30.59	-0.11
			Sg	10:36.59	-0.21
PKS9	81.5	353	Pg	8:10:39.03	1.59
PKB1	107.1	16	Sg	8:10:56.67	-0.26

911.

2020-08-07 time: 8:17:03.39 UTC ML= 1.0  
 lat: 47.948N lon: 20.400E h= 0.0 km  
 erh= 5.6km erz= 852km  
 nr= 5 gap=207 rms=0.40  
 Locality: Felsőtárkány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	37.9	265	Pg	8:17:10.50	0.34
			Sg	17:14.86	-0.59
KECS	59.8	6	Pg	8:17:14.41	0.33
			Sg	17:21.88	-0.53
ABAH	73.5	58	Sg	8:17:26.48	-0.28

912.

2020-08-07 time: 9:16:42.68 UTC ML= 0.9  
 lat: 47.196N lon: 18.355E h= 0.0 km  
 erh= 2.1km erz= 3.2km  
 nr= 11 gap=113 rms=0.52  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.9	339	Pg	9:16:47.03	0.79
			Sg	16:48.48	-0.53
PKSG	22.0	7	Pg	9:16:46.62	0.02
			Sg	16:49.49	-0.17
MPLH	61.9	267	Sg	9:17:02.30	-0.04
MORH	111.2	169	Sg	9:17:17.90	-0.11
PKSM	111.6	169	Sg	9:17:18.82	0.68
KOVH	124.7	189	Sg	9:17:21.47	-0.83

## Földrengés paraméterek

PSZ 141.0 55 Sn 9:17:26.35 -0.14  
 VYHS 148.8 14 Pn 9:17:08.03 -0.23  
 Sn 17:25.33 -2.88

913.

2020-08-08 time: 10:10:08.12 UTC ML= 1.1  
 lat: 48.715N lon: 19.246E h= 4.2 km  
 erh= 1.9km erz=21.5km  
 nr= 6 gap=235 rms=0.73  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
VYHS	39.0	231	Pg	10:10:14.96	-0.16
			Sg	10:19.29	-1.29
KECS	95.0	106	Pg	10:10:25.40	0.30
			Sg	10:37.37	-0.97
PSZ	100.8	152	Pg	10:10:27.18	1.05
			Sg	10:40.00	-0.19

914.

2020-08-08 time: 15:04:51.40 UTC ML= 0.9  
 lat: 47.910N lon: 19.306E h= 10.0 km  
 erh= 3.7km erz= 4.6km  
 nr= 9 gap=102 rms=0.83  
 Locality: Szécsénke  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	13.4	188	Pg	15:04:54.23	-0.15
			Sg	04:56.26	-0.44
PSZ	44.0	89	Pg	15:05:00.08	0.62
			Sg	05:05.78	0.03
VYHS	73.8	332	Pg	15:05:06.27	1.57
			Sg	05:13.20	-1.87
PKSG	89.7	230	Pg	15:05:07.03	-0.48
			Sg	05:19.85	-0.23
KECS	108.5	54	eSn	15:05:25.10	-0.62

915.

2020-08-10 time: 8:29:50.26 UTC ML= 1.7  
 lat: 48.067N lon: 21.368E h= 0.0 km  
 erh= 3.6km erz= 6.5km  
 nr= 7 gap=117 rms=0.71  
 Locality: Tiszaladány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	27.2	339	Pg	8:29:55.66	0.55
			Sg	29:58.92	0.02
KECS	80.2	305	Pg	8:30:04.87	0.29
			Sg	30:15.54	-0.22
TRPA	87.5	85	Sg	8:30:17.04	-1.03
PSZ	111.3	261	Sg	8:30:24.11	-1.52
DRGR	174.3	144	Sn	8:30:42.53	1.07

916.

2020-08-10 time: 8:40:21.74 UTC ML= 1.3  
 lat: 48.625N lon: 20.746E h= 0.0 km  
 erh= 2.0km erz= 3.7km  
 nr= 8 gap=118 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.9	231	Pg	8:40:26.77	0.59
			Sg	40:29.54	-0.10
ABAH	51.7	135	Pg	8:40:31.04	0.07
			Sg	40:37.38	-0.78
STHS	95.3	22	eSg	8:40:51.60	-0.43



## Földrengés paraméterek

PSZ 100.8 219 Sg 8:40:53.56 -0.24  
 KOLS 117.3 73 eSg 8:40:59.60 0.56  
 VYHS 141.7 264 Sn 8:41:05.32 -0.40

917.

2020-08-10 time: 9:20:02.81 UTC ML= 1.4  
 lat: 48.890N lon: 21.064E h= 0.0 km  
 erh= 1.9km erz= 2.3km  
 nr= 14 gap= 74 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	60.0	13	Pg	9:20:14.04	0.52
			Sg	20:20.76	-1.11
KECS	62.2	223	Pg	9:20:14.47	0.56
			Sg	20:21.67	-0.90
ABAH	67.4	169	Pg	9:20:15.39	0.55
			Sg	20:23.18	-1.04
NIE	80.3	317	Sg	9:20:27.94	-0.40
KOLS	88.8	87	Pg	9:20:19.46	0.80
			Sg	20:30.96	-0.07
TRPA	137.9	128	Sn	9:20:44.92	-1.03
PSZ	138.5	219	Pn	9:20:26.54	-0.57
			Sn	20:46.22	0.15
VYHS	169.8	255	eSn	9:20:52.90	-0.13
OJC	173.9	328	Sn	9:20:54.51	0.59

918.

2020-08-10 time: 10:22:08.81 UTC ML= 1.1  
 lat: 48.465N lon: 19.563E h= 0.0 km  
 erh= 3.3km erz= 753km  
 nr= 6 gap=175 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	53.8	273	Pg	10:22:18.83	0.40
			Sg	22:25.25	-0.68
PSZ	65.6	158	Pg	10:22:20.54	0.00
			Sg	22:29.64	-0.04
KECS	68.2	88	Pg	10:22:21.31	0.31
			Sg	22:29.54	-0.96

919.

2020-08-10 time: 10:22:42.97 UTC ML= 0.8  
 lat: 48.458N lon: 19.549E h= 0.0 km  
 erh= 2.3km erz= 459km  
 nr= 5 gap=173 rms=0.21  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	52.8	274	Pg	10:22:52.43	0.03
			Sg	22:59.59	-0.17
PSZ	65.2	157	Pg	10:22:54.92	0.31
			Sg	23:03.48	-0.22
KECS	69.3	88	Sg	10:23:04.76	-0.25

920.

2020-08-10 time: 12:29:38.76 UTC ML= 1.2  
 lat: 47.896N lon: 20.120E h= 0.0 km  
 erh= 5.5km erz= 6.3km  
 nr= 7 gap=185 rms=0.93  
 Locality: Tarnaszentmária  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	17.0	278	Pg	12:29:42.23	0.43
			Sg	29:45.16	0.99

## Hypocenter Parameters

PENC 63.8 259 Sg 12:30:00.15 1.11  
 KECS 70.7 23 Sg 12:30:01.62 0.39  
 ABAH 94.5 62 Sg 12:30:08.08 -0.72  
 VYHS 116.3 305 Sg 12:30:14.20 -1.52  
 PKSG 141.5 247 Sn 12:30:21.41 -1.27

921.

2020-08-11 time: 6:34:17.55 UTC ML= 0.6  
 lat: 46.130N lon: 18.351E h= 0.0 km  
 erh= 0.8km erz= 160km  
 nr= 8 gap=170 rms=0.11  
 Locality: Hird  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	20.0	257	Pg	6:34:21.15	0.04
			Sg	34:23.78	-0.12
PKSM	24.2	68	Pg	6:34:21.93	0.07
			Sg	34:25.16	-0.07
MORH	24.5	67	Pg	6:34:21.93	0.00
			Sg	34:25.22	-0.13
PKSV	27.9	196	Pg	6:34:22.67	0.14
			Sg	34:26.04	-0.37

922.

2020-08-11 time: 7:48:11.84 UTC ML= 1.8  
 lat: 46.053N lon: 22.837E h= 0.0 km  
 erh= 2.9km erz= 9.4km  
 nr= 10 gap=110 rms=0.71  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.5	165	Pg	7:48:15.56	0.24
			Sg	48:18.39	0.35
GZR	73.4	184	Pg	7:48:24.61	-0.34
			Sg	48:34.04	-1.14
DRGR	82.7	353	Pg	7:48:26.76	0.15
			Sg	48:37.76	-0.37
CJR	93.9	39	Sg	7:48:41.10	-0.59
BZS	106.5	243	Pg	7:48:32.26	1.40
			Sg	48:44.69	-1.00
MLR	249.7	104	Sn	7:49:20.71	0.94

923.

2020-08-11 time: 8:04:06.58 UTC ML= 1.4  
 lat: 48.785N lon: 20.431E h= 0.0 km  
 erh= 4.7km erz= 558km  
 nr= 5 gap=180 rms=0.26  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	33.8	173	Pg	8:04:12.80	0.19
			Sg	04:17.01	-0.30
NIE	71.1	353	Sg	8:04:29.40	0.24
PSZ	104.2	202	Pg	8:04:24.88	-0.31
			Sg	04:39.99	0.28

924.

2020-08-11 time: 8:24:03.01 UTC ML= 1.5  
 lat: 48.534N lon: 18.285E h= 0.0 km  
 erh= 1.9km erz= 3.1km  
 nr= 10 gap= 82 rms=0.78  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	40.9	96	Pg	8:24:11.11	0.79
			Sg	24:16.41	0.39

## Hypocenter Parameters

MODS 76.7 257 Pg 8:24:17.63 0.93  
 Sg 24:26.75 -0.64  
 LANS 110.6 52 Pg 8:24:22.88 0.12  
 PENC 111.0 138 Sg 8:24:37.80 -0.51  
 PKSG 127.3 176 Sg 8:24:42.93 -0.53  
 CSKK 130.2 181 Sg 8:24:43.74 -0.66  
 PSZ 137.8 120 Sn 8:24:44.97 -1.14  
 MORC 148.5 339 Sn 8:24:46.62 -1.86

925.

2020-08-11 time: 8:48:19.96 UTC ML= 1.2  
 lat: 46.127N lon: 18.044E h= 0.0 km  
 erh= 1.2km erz= 173km  
 nr= 8 gap=289 rms=0.13  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	6.2	135	Pg	8:48:20.96			-0.09
			Sg	48:22.21			0.30
PKSV	31.1	149	Pg	8:48:25.52			0.01
			Sg	48:29.67			-0.17
PKSM	47.1	79	Pg	8:48:28.49			0.12
			Sg	48:34.86			-0.07
MORH	47.4	78	Pg	8:48:28.49			0.07
			Sg	48:34.83			-0.20

926.

2020-08-12 time: 7:03:16.10 UTC ML= 1.0  
 lat: 47.598N lon: 16.331E h= 0.0 km  
 erh= 2.2km erz= 2.8km  
 nr= 14 gap=122 rms=0.86  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	11.6	347	PgU	7:03:18.59			0.42
			Sg	03:20.39			0.60
SOP	19.6	61	Pg	7:03:19.59			0.00
			Sg	03:22.40			0.08
CONA	50.9	316	Pg	7:03:26.02			0.84
			Sg	03:32.34			0.07
ARSA	72.2	238	Sg	7:03:38.32			-0.71
MODS	111.5	39	Sg	7:03:50.87			-0.67
KOGS	128.0	183	Sg	7:03:56.17			-0.60
SMOL	130.7	39	Sn	7:03:55.93			-1.69
GROS	141.2	207	Sn	7:03:58.60			-1.37
SOKA	142.0	224	Pn	7:03:42.38			1.54
			Sn	03:59.66			-0.47
KRUC	162.9	2	Sn	7:04:03.02			-1.74

927.

2020-08-12 time: 7:44:28.12 UTC ML= 1.4  
 lat: 47.783N lon: 19.057E h= 0.0 km  
 erh= 3.0km erz= 3.5km  
 nr= 13 gap=103 rms=1.06  
 Locality: Dunabogdány  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	16.8	87	Pg	7:44:31.80			0.67
			Sg	44:33.84			0.37
SRO	55.8	274	Sg	7:44:46.36			0.49
A338	58.7	296	Sg	7:44:48.21			1.43
PSZ	64.5	76	Pg	7:44:39.88			0.25
			Sg	44:47.40			-1.21
PKSG	66.3	229	Sg	7:44:48.30			-0.91
VYHS	80.8	348	Sg	7:44:53.70			-0.11
KECS	131.8	54	Sn	7:45:08.18			-1.72
MPLH	133.1	239	Sn	7:45:09.04			-1.15
MODS	148.0	296	Sn	7:45:10.53			-2.96
MORH	177.0	190	Sn	7:45:21.39			1.47

## Földrengés paraméterek

NIE 204.2 27 Sn 7:45:27.41 1.45

928.

2020-08-12 time: 8:26:29.49 UTC ML= 1.1  
 lat: 48.989N lon: 19.346E h= 0.0 km  
 erh= 2.7km erz= 6.5km  
 nr= 9 gap=152 rms=0.79  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
LANS	20.1	26	Pg	8:26:32.96			-0.11
			Sg	26:35.87			0.01
VYHS	66.6	214	Pg	8:26:42.46			1.09
			Sg	26:50.13			-0.52
NIE	85.2	56	Pg	8:26:45.20			0.50
			Sg	26:55.40			-1.17
KECS	101.0	124	Sg	8:27:00.93			-0.66
PSZ	125.8	161	Sg	8:27:09.86			0.39
A337	141.5	234	Sn	8:27:11.12			-2.28

929.

2020-08-12 time: 9:39:38.62 UTC ML= 1.1  
 lat: 48.466N lon: 19.548E h= 0.0 km  
 erh= 3.3km erz= 731km  
 nr= 6 gap=175 rms=0.42  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	52.7	273	Pg	9:39:48.31			0.28
			Sg	39:54.79			-0.58
PSZ	66.1	157	Pg	9:39:50.64			0.22
			Sg	39:59.33			-0.30
KECS	69.4	88	Pg	9:39:51.30			0.30
			Sg	39:59.68			-0.99

930.

2020-08-12 time: 9:53:16.89 UTC ML= 0.7  
 lat: 47.197N lon: 18.263E h= 0.0 km  
 erh= 3.2km erz= 4.1km  
 nr= 8 gap=174 rms=0.42  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.4	359	Pg	9:53:20.31			0.13
			Sg	53:22.59			-0.16
PKSG	23.7	24	Pg	9:53:21.72			0.60
			Sg	53:24.07			-0.35
MORH	112.9	165	Sg	9:53:52.39			-0.39
PKSM	113.3	165	Sg	9:53:52.79			-0.11
KOVH	123.9	186	Sg	9:53:56.23			-0.04
VYHS	150.4	17	Sn	9:54:01.32			-1.47

931.

2020-08-12 time: 18:07:07.15 UTC ML= 1.8  
 lat: 48.903N lon: 22.223E h= 6.2 km  
 erh= 2.6km erz= 2.4km  
 nr= 10 gap=118 rms=0.52  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOLS	5.0	47	Pg	18:07:08.15			-0.42
			Sg	07:09.20			-0.48
TRPA	89.0	165	Pg	18:07:23.46			0.38
			Sg	07:35.82			0.32
STHS	91.5	309	eSg	18:07:37.30			0.99
ABAH	99.1	227	Pg	18:07:25.27			0.39

## Földrengés paraméterek

## Hypocenter Parameters

KECS 136.2 250 Sg 07:37.97 -0.73  
 NIE 150.7 292 Sn 18:07:47.26 -1.23  
 Sn 18:07:32.20 0.01  
 Sn 07:51.67 -0.04

PKSM 125.6 173 Sg 6:19:37.51 -0.28  
 VYHS 132.3 13 Sn 6:19:38.37 -1.38

932.

2020-08-13 time: 5:18:21.79 UTC ML= 1.1  
 lat: 48.744N lon: 19.354E h= 0.0 km  
 erh= 2.8km erz= 946km  
 nr= 9 gap=137 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	45.9	10	Pg	5:18:29.97	-0.02
			Sg	18:35.95	-0.43
VYHS	47.3	234	Pg	5:18:30.78	0.55
			Sg	18:35.79	-1.03
KECS	88.4	109	Pg	5:18:38.56	0.99
			Sg	18:48.90	-0.98
PSZ	100.2	156	Sg	5:18:53.01	-0.64
NIE	102.6	43	Pg	5:18:40.61	0.49
			Sg	18:53.42	-0.99

933.

2020-08-13 time: 8:37:07.79 UTC ML= 1.5  
 lat: 48.522N lon: 20.796E h= 0.0 km  
 erh= 6.3km erz= 806km  
 nr= 5 gap=228 rms=0.37  
 Locality: Tornaszentandrás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.3	259	Pg	8:37:11.76	-0.20
			Sg	37:15.35	0.14
ABAH	41.4	127	Sg	8:37:20.80	-0.14
PSZ	94.8	225	Pg	8:37:25.23	0.50
			Sg	37:37.33	-0.61

934.

2020-08-13 time: 8:52:18.90 UTC ML= 1.7  
 lat: 47.900N lon: 19.122E h= 0.0 km  
 erh= 1.6km erz= 3.4km  
 nr= 7 gap=106 rms=0.46  
 Locality: Rétság  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.1	135	Pg	8:52:21.99	0.04
			Sg	52:24.44	0.11
PSZ	57.8	88	Sg	8:52:37.66	0.38
VYHS	69.4	342	Sg	8:52:41.44	0.48
CSKK	88.0	227	Sg	8:52:47.11	0.23
KECS	120.4	57	Sg	8:52:56.25	-0.91
MPLH	144.1	236	Sn	8:53:02.53	-0.88

935.

2020-08-14 time: 6:18:57.86 UTC ML= 1.7  
 lat: 47.334N lon: 18.443E h= 0.0 km  
 erh= 2.4km erz= 4.0km  
 nr= 7 gap=160 rms=0.43  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.6	329	PgU	6:18:59.47	0.26
			Sg	18:59.82	-0.44
CSKK	14.1	283	Pg	6:19:00.71	0.33
			Sg	19:02.19	-0.16
MORH	125.2	173	Sg	6:19:37.96	0.30

936.

2020-08-14 time: 7:21:16.33 UTC ML= 1.2  
 lat: 48.053N lon: 20.690E h= 0.0 km  
 erh= 3.0km erz= 639km  
 nr= 6 gap=199 rms=0.37  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	49.0	57	Pg	7:21:25.07	-0.01
			Sg	21:31.50	-0.41
KECS	50.2	342	Pg	7:21:25.37	0.07
			Sg	21:32.30	0.01
PSZ	61.2	256	Pg	7:21:27.73	0.46
			Sg	21:34.81	-0.99

937.

2020-08-14 time: 7:43:17.91 UTC ML= 1.1  
 lat: 48.748N lon: 19.236E h= 0.0 km  
 erh= 2.0km erz= 631km  
 nr= 9 gap=154 rms=0.47  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	40.8	226	Pg	7:43:25.27	0.07
			Sg	43:30.17	-0.72
LANS	47.9	21	Pg	7:43:26.43	-0.03
			Sg	43:33.05	-0.08
KECS	96.7	108	Sg	7:43:48.52	-0.13
PSZ	104.4	152	Pg	7:43:37.22	0.67
			Sg	43:50.53	-0.55
NIE	108.4	47	Pg	7:43:37.72	0.45
			Sg	43:51.38	-0.99

938.

2020-08-14 time: 8:58:25.65 UTC ML= 1.8  
 lat: 48.820N lon: 21.617E h= 0.0 km  
 erh= 2.8km erz= 5.6km  
 nr= 11 gap=98 rms=0.89  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	49.8	75	Pg	8:58:34.62	0.08
			Sg	58:42.86	1.39
STHS	71.7	338	Pg	8:58:39.74	1.28
			Sg	58:46.97	-1.48
KECS	91.4	246	Pg	8:58:41.75	-0.22
			Sg	58:54.41	-0.29
TRPA	102.6	138	Pg	8:58:42.86	-1.12
			Sg	58:58.32	0.05
NIE	116.2	305	Pg	8:58:45.67	-0.73
LANS	161.5	283	Pn	8:58:53.30	0.47
PSZ	162.3	232	Sn	8:59:15.89	1.70

939.

2020-08-14 time: 9:01:25.42 UTC ML= 2.1  
 lat: 47.344N lon: 18.412E h= 0.0 km  
 erh= 2.1km erz= 2.8km  
 nr= 9 gap=158 rms=0.92  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.6	343	PgU	9:01:26.95	0.53
			Sg	01:27.38	0.18

## Hypocenter Parameters

CSKK 11.7 281 Pg 9:01:28.35 0.85  
 Sg 01:30.00 0.88  
 PKST 30.1 252 Sg 9:01:34.19 -0.79  
 MORH 126.6 172 Sg 9:02:05.08 -0.59  
 PKSM 127.0 172 Sg 9:02:05.78 -0.02  
 VYHS 131.8 14 Sn 9:02:05.08 -2.11  
 SOP 144.7 285 Sn 9:02:08.35 -1.69

940.

2020-08-14 time: 10:01:15.87 UTC ML= 1.4  
 lat: 48.157N lon: 16.893E h= 0.0 km  
 erh= 1.4km erz= 2.3km  
 nr= 13 gap= 88 rms=0.50  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	37.3	50	Pg	10:01:22.31	-0.23
			Sg	01:27.65	-0.08
RONA	67.7	221	Pg	10:01:28.24	0.28
			Sg	01:36.27	-1.11
CONA	81.0	252	Pg	10:01:30.25	-0.10
			Sg	01:41.44	-0.19
EGYH	88.6	158	Sg	10:01:44.12	0.09
			Pg	10:01:35.67	0.67
KRUC	107.1	340	Sg	01:49.68	-0.24
			Pg	10:01:54.10	0.09
MPLH	120.0	156	Pn	10:01:41.69	0.83
			Sn	01:59.57	-0.79
ARSA	144.0	226	Sn	10:02:00.59	-0.84
VYHS	148.9	75	Sn		

941.

2020-08-14 time: 11:38:40.12 UTC ML= 1.5  
 lat: 46.118N lon: 18.017E h= 0.0 km  
 erh= 1.4km erz= 2.2km  
 nr= 19 gap=117 rms=0.43  
 Locality: Bükkösd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	7.2	117	Pg	11:38:41.59	0.18
			Sg	38:42.43	0.01
PKSV	31.4	144	Pg	11:38:45.93	0.21
			Sg	38:49.66	-0.43
PKSM	49.4	78	Pg	11:38:48.89	-0.05
			Sg	38:55.44	-0.37
MORH	49.7	77	Pg	11:38:48.77	-0.22
			Sg	38:55.44	-0.47
PKS9	55.9	21	Pg	11:38:50.63	0.53
			Sg	38:58.66	0.77
PKB4	61.8	47	Pg	11:38:51.23	0.08
			Sg	38:59.90	0.15
PKB2	112.7	57	Sg	11:39:15.87	-0.08
			Pg	11:39:01.66	-0.34
MPLH	122.5	343	Sg	39:18.39	-0.67
			Sn	11:39:20.10	-2.62*
PKS7	135.5	40	Sn	11:39:05.89	0.73
			Pn	39:23.22	-1.48
PKSG	144.5	11	Sn	11:39:28.33	-0.10
PTJ	161.3	261	Sn		

942.

2020-08-14 time: 19:23:38.08 UTC ML= 1.4  
 lat: 46.123N lon: 17.096E h= 6.8 km  
 erh= 3.7km erz= 2.2km  
 nr= 11 gap=149 rms=0.58  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	45.8	327	Sg	19:23:53.25	0.45
			Pg	19:23:51.76	0.32
KOGS	74.5	299	Pg	24:00.61	-1.26
			Sg		

## Földrengés paraméterek

KOVH 77.7 93 Pg 19:23:51.99 -0.01  
 Sg 24:01.53 -1.34  
 PKSV 93.2 106 Pg 19:23:55.30 0.53  
 Sg 24:07.10 -0.70  
 PKSM 119.7 85 Pn 19:23:59.75 0.58  
 Sn 24:15.47 -0.15  
 MORH 120.0 85 Sn 19:24:15.57 -0.10  
 CRES 131.3 255 Sn 19:24:17.88 -0.30

943.

2020-08-15 time: 2:52:13.83 UTC ML= 1.7  
 lat: 46.376N lon: 22.720E h= 10.4 km  
 erh= 3.2km erz= 2.6km  
 nr= 18 gap= 83 rms=0.82  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MARR	45.3	43	PgD	2:52:22.52	0.39
			Sg	52:27.60	-1.00
DRGR	46.2	359	Pg	2:52:22.92	0.63
			Sg	52:28.46	-0.43
DEV	56.6	165	Pg	2:52:24.19	0.09
			Sg	52:30.84	-1.27
CJR	77.1	61	Pg	2:52:27.80	0.07
			PgD	2:52:30.07	0.45
MESR	87.8	12	Sg	52:40.60	-1.34
			Pn	2:52:34.62	0.10
BZS	120.1	225	Sn	52:48.61	-2.04
			Sn	2:52:51.63	-0.86
LTVH	128.4	331	Sn	2:52:41.83	1.36
			PnC	53:01.50	0.26
HERR	167.8	188	Sn	2:52:45.78	1.86
			Sn	53:07.35	-0.04
TRPA	195.5	356	Pn	2:52:10.00	-0.32
			Sn	2:53:25.08	0.17
VOIR	208.7	120	Sn		
PSZ	274.5	309	Sn		

944.

2020-08-15 time: 5:14:17.54 UTC ML= 2.1  
 lat: 46.101N lon: 17.062E h= 7.1 km  
 erh= 2.1km erz= 1.7km  
 nr= 37 gap= 79 rms=0.97  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	46.5	332	PgU	5:14:26.86	0.91
			Sg	14:33.08	0.57
KOGS	73.5	302	Pg	5:14:32.08	1.36
			Sg	14:40.61	-0.39
KOVH	80.3	91	Pg	5:14:32.23	0.29
			Sg	14:41.73	-1.44
PTJ	88.4	255	Pg	5:14:33.13	-0.24
			Sg	14:43.96	-1.76
PKSV	95.2	104	Pg	5:14:35.11	0.52
			Sg	14:47.14	-0.75
PKS9	108.1	60	Pg	5:14:36.45	-0.45
			Sg	14:51.14	-0.85
TIH	109.3	36	Pg	5:14:36.70	-0.41
			Pn	5:14:38.24	-0.72
PKSM	122.7	84	Sn	14:55.45	-0.22
			Pn	5:14:38.30	-0.70
MORH	122.9	84	Sn	14:55.16	-0.57
			Pn	5:14:39.82	0.65
MPLH	124.3	17	Sn	14:54.70	-1.34
			Pn	5:14:38.58	-0.89
PKB4	126.7	70	Sn	14:56.27	-0.30
			Pn	5:14:40.37	0.73
CRES	128.1	256	Sn	5:15:00.65	1.11
			Pn	5:14:43.89	1.44
PKB5	140.1	67	Sn	15:02.72	0.84
			Pn	5:15:03.07	0.63
BLY	150.6	176	Sn	5:14:43.75	0.00
			Pn		
PKB1	153.1	60	Sn		
PERS	161.0	292	Pn		

## Földrengés paraméterek

			Sn	15:03.49	-0.70
PKB3	168.3	78	Sn	5:15:09.14	3.33
PKS2	171.4	75	Sn	5:15:09.32	2.83
ARSA	173.7	317	Sn	5:15:05.53	-1.47
PKSG	175.8	35	Pn	5:14:45.28	-0.31
			Sn	15:10.22	2.76
PKB2	179.4	69	Sn	5:15:11.66	3.39
OBKA	198.8	283	Pn	5:14:46.58	-1.88
			Sn	15:09.19	-3.39
PKS6	200.5	74	Pn	5:14:48.86	0.19

945.

2020-08-15 time: 6:22:35.32 UTC ML= 1.6  
 lat: 47.758N lon: 18.174E h= 9.6 km  
 erh= 2.0km erz= 2.3km  
 nr= 22 gap= 97 rms=0.86  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	12.2	60	Pg	6:22:38.48	0.39
			Sg	22:40.85	0.60
A338	31.6	25	Pg	6:22:41.46	0.25
A339	39.6	282	Pg	6:22:43.45	0.86
			Sg	22:48.87	0.60
PKSG	43.9	158	Pg	6:22:43.48	0.14
			Sg	22:49.88	0.28
CSKK	44.4	172	Pg	6:22:44.03	0.60
			Sg	22:49.78	0.02
PKST	56.5	191	Sg	6:22:51.61	-1.91
EGYH	73.8	239	Sg	6:22:59.83	0.86
MPLH	81.0	216	Sg	6:23:00.35	-0.89
VYHS	95.6	31	Pg	6:22:51.97	-0.50
			Sg	23:03.07	-2.78
MODS	95.6	316	Pg	6:22:52.34	-0.15
			Sg	23:04.05	-1.82
SMOL	100.7	327	Sg	6:23:05.61	-1.86
PKB1	117.9	157	Pn	6:22:54.76	-1.07
SOP	121.5	266	Sn	6:23:12.32	-0.29
RONA	141.0	267	Pn	6:22:59.88	1.18
			Sn	23:17.84	0.90
PKSM	175.5	168	Pn	6:23:03.48	0.47

946.

2020-08-15 time: 16:43:43.19 UTC ML= 2.3  
 lat: 46.712N lon: 18.342E h= 6.7 km  
 erh= 1.2km erz= 1.6km  
 nr= 47 gap= 58 rms=0.77  
 Locality: Fürged  
 Comments: felt 4 EMS

sta	dist	azm	phase	hr mn sec	res
PKS9	14.7	199	Pg	16:43:46.97	0.90
			Sg	43:49.35	1.04
PKB4	31.2	140	Pg	16:43:49.44	0.55
			Sg	43:53.39	0.05
PKB5	32.8	113	PgU	16:43:49.89	0.72
			Sg	43:53.90	0.07
PKB1	35.3	77	PgD	16:43:50.15	0.54
			Sg	43:54.68	0.06
TIH	40.2	301	Pg	16:43:51.38	0.92
			Sg	43:55.77	-0.36
MORH	59.8	157	PgU	16:43:53.84	-0.09
			Sg	44:01.25	-1.07
PKSM	60.1	158	Pg	16:43:53.90	-0.09
PKB2	69.0	93	Pg	16:43:55.87	0.31
			Sg	44:04.33	-0.88
PKS2	71.1	110	Pg	16:43:56.69	0.75
			Sg	44:05.66	-0.22
KOVH	71.7	195	Pg	16:43:56.05	0.00
			Sg	44:04.82	-1.27
CSKK	72.7	355	Pg	16:43:56.84	0.62
			Sg	44:05.62	-0.77

## Hypocenter Parameters

PKS7	72.7	59	Pg	16:43:56.49	0.26
PKB3	72.8	116	Sg	16:44:05.32	-1.11
PKSG	75.7	3	Pg	16:43:57.00	0.24
			Sg	44:05.46	-1.88
MPLH	79.6	310	Pg	16:43:57.24	-0.20
			Sg	44:06.91	-1.66
PKSV	91.8	184	Pg	16:43:59.40	-0.22
			Sg	44:10.79	-1.64
PKS6	94.4	98	Pg	16:44:00.35	0.26
			Sg	44:12.28	-0.99
BUD	100.2	31	Sg	16:44:12.93	-2.19
PKSN	118.3	80	Pn	16:44:03.99	-0.12
BEHE	123.0	257	Pn	16:44:04.34	-0.36
			Sn	44:20.08	-1.40
PENC	139.5	31	Pn	16:44:06.92	0.17
			Sn	44:24.39	-0.74
KOGS	163.0	260	Pn	16:44:11.97	2.29
PSZ	178.3	41	Pn	16:44:10.87	-0.72
			Sn	44:34.15	0.41
AMBH	187.3	102	Sn	16:44:39.29	3.55*
RONA	190.0	305	Pn	16:44:13.41	0.36
MODS	201.4	337	Pn	16:44:15.06	0.58
VYHS	201.6	11	Sn	16:44:39.83	0.90
GROS	219.4	263	Pn	16:44:21.05	4.33*
ARSA	222.7	286	Pn	16:44:16.87	-0.26
			Sn	44:38.33	-5.27*
CONA	231.2	306	Pn	16:44:18.47	0.28
PERS	246.9	268	Pn	16:44:19.61	-0.54

947.

2020-08-17 time: 6:00:21.51 UTC ML= 1.0  
 lat: 47.256N lon: 17.891E h= 0.0 km  
 erh= 3.3km erz= 626km  
 nr= 7 gap=177 rms=0.47  
 Locality: Olaszfalu  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	28.3	250	Pg	6:00:26.25	-0.31
CSKK	30.4	67	Pg	6:00:27.53	0.59
			Sg	00:30.46	-0.72
PKSG	40.7	68	Pg	6:00:28.61	-0.17
			Sg	00:33.45	-1.00
MORH	129.2	154	Pg	6:00:44.93	0.35
PKSM	129.5	154	Pg	6:00:44.93	0.29

948.

2020-08-17 time: 9:10:21.35 UTC ML= 0.6  
 lat: 48.279N lon: 19.832E h= 0.0 km  
 erh= 4.9km erz= \*\*\*km  
 nr= 7 gap=137 rms=1.03  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	40.4	173	Pg	9:10:28.39	-0.18
			Sg	10:31.59	-2.60
KECS	53.5	65	ePg	9:10:31.10	0.20
			eSg	10:38.90	0.55
PENC	68.1	217	Sg	9:10:44.82	1.83
VYHS	77.5	288	eSg	9:10:45.60	-0.39
ABAH	104.5	89	Sg	9:10:54.90	0.34

949.

2020-08-17 time: 9:43:26.04 UTC ML= 0.7  
 lat: 47.199N lon: 18.328E h= 0.0 km  
 erh= 1.1km erz= 1.4km  
 nr= 8 gap=156 rms=0.19  
 Locality: Székesfehérvár  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
CSKK	19.0	344	Pg	9:43:29.22	-0.21
			Sg	43:32.08	0.00
PKSG	22.0	12	Pg	9:43:30.12	0.15
			Sg	43:33.28	0.25
MORH	111.9	168	Sg	9:44:01.77	0.15
PKSM	112.3	168	Sg	9:44:01.65	-0.09
KOVH	124.7	188	Sg	9:44:05.74	0.06
PSZ	142.4	56	Sn	9:44:09.75	-0.43

950.

2020-08-17 time: 11:01:55.92 UTC ML= 1.5  
 lat: 48.887N lon: 20.758E h= 0.0 km  
 erh= 4.1km erz= 6.6km  
 nr= 8 gap=177 rms=0.67  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	49.1	204	Pg	11:02:05.23	0.53
			Sg	02:11.56	0.02
NIE	67.5	331	Sg	11:02:16.35	-1.04
ABAH	74.6	152	Pg	11:02:09.50	0.25
			Sg	02:18.70	-0.95
PSZ	125.2	211	Pg	11:02:18.89	0.61
			Sg	02:34.40	-1.33
OJC	163.7	335	Sn	11:02:45.03	0.25

951.

2020-08-18 time: 7:07:25.92 UTC ML= 1.4  
 lat: 47.298N lon: 18.363E h= 0.0 km  
 erh= 2.1km erz= 2.8km  
 nr= 14 gap=111 rms=0.71  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.6	313	Pg	7:07:27.86	0.05
			Sg	07:28.63	-0.65
PKSG	10.6	11	Pg	7:07:28.25	0.44
			Sg	07:29.37	0.08
MPLH	64.0	257	Pg	7:07:37.97	0.63
			Sg	07:45.90	-0.35
MORH	122.2	170	Pg	7:07:48.86	1.11
			Sg	08:03.51	-1.27
PKSM	122.6	170	Sg	7:08:04.30	-0.60
PSZ	134.2	59	Pn	7:07:49.44	-0.25
			Sn	08:07.46	-0.77
KOVH	136.0	189	Sn	7:08:07.66	-0.97
VYHS	137.6	15	Pn	7:07:50.79	0.69
			Sn	08:07.31	-1.66

952.

2020-08-18 time: 7:38:16.10 UTC ML= 1.1  
 lat: 47.922N lon: 20.414E h= 0.0 km  
 erh= 0.8km erz= 0.5km  
 nr= 5 gap=264 rms=1.17  
 Locality: Eger  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	38.9	269	Pg	7:38:24.07	1.03
			Sg	38:27.90	-0.56
KECS	62.6	5	Pg	7:38:27.99	0.71
			Sg	38:35.07	-0.93
VYHS	133.4	298	Sn	7:38:55.72	-2.52

953.

2020-08-18 time: 9:09:53.34 UTC ML= 1.2  
 lat: 48.527N lon: 19.306E h= 0.0 km  
 erh= 4.0km erz= \*\*\*km  
 nr= 7 gap=189 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	34.9	264	Pg	9:09:59.61	0.04
			Sg	10:04.25	-0.18
PSZ	80.6	147	Pg	9:10:08.68	0.94
			Sg	10:18.55	-0.42
PENC	81.9	181	Sg	9:10:18.86	-0.53
KECS	87.3	93	Pg	9:10:09.08	0.14
			Sg	10:19.26	-1.84

954.

2020-08-18 time: 9:29:39.48 UTC ML= 1.3  
 lat: 47.861N lon: 19.115E h= 0.0 km  
 erh= 3.0km erz= 414km  
 nr= 5 gap=221 rms=0.20  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.7	122	Pg	9:29:42.13	0.02
			Sg	29:43.99	-0.17
PSZ	58.6	84	Pg	9:29:50.21	0.26
			Sg	29:57.77	-0.34
VYHS	73.4	344	Sg	9:30:02.74	-0.07

955.

2020-08-19 time: 6:58:41.58 UTC ML= 1.8  
 lat: 47.549N lon: 16.220E h= 9.3 km  
 erh= 2.6km erz= 2.1km  
 nr= 20 gap=107 rms=0.95  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.6	19	PgD	6:58:45.03	-0.12
			Sg	58:47.01	-0.92
SOP	29.5	60	Pg	6:58:47.18	0.08
CONA	50.0	327	Pg	6:58:50.67	0.01
			Sg	58:56.32	-1.42
ARSA	62.2	238	Pg	6:58:52.87	0.05
			Sg	59:00.35	-1.24
EGYH	85.1	100	Pg	6:58:57.95	1.09
			Sg	59:08.18	-0.60
MPLH	108.2	113	Pn	6:59:02.15	1.23
			Sn	59:14.97	-1.03
MODS	121.0	41	Pn	6:59:02.47	-0.03
			Sn	59:17.58	-1.24
PERS	131.7	220	Sn	6:59:19.80	-1.40
SOKA	132.3	223	Pn	6:59:04.53	0.61
			Sn	59:19.64	-1.71
MOA	150.4	283	Pn	6:59:08.42	2.24
			Sn	59:27.12	1.76
KRUC	168.7	4	Pn	6:59:08.99	0.54
			Sn	59:28.46	-0.95

956.

2020-08-19 time: 7:51:22.39 UTC ML= 1.6  
 lat: 48.609N lon: 17.427E h= 0.0 km  
 erh= 1.7km erz= 1.3km  
 nr= 5 gap=303 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
SMOL	10.6	179	Pg	7:51:24.14	-0.14
			Sg	51:24.93	-0.82
MODS	28.4	203	Pg	7:51:27.88	0.42
			Sg	51:31.95	0.53
CONA	138.7	237	Sn	7:52:05.26	-0.43

957.

2020-08-19 time: 8:50:48.63 UTC ML= 1.4  
 lat: 48.599N lon: 20.750E h= 0.0 km  
 erh= 1.5km erz= 2.8km  
 nr= 13 gap=111 rms=0.45  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.4	237	Pg	8:50:53.41	0.60
			Sg	50:56.32	0.26
ABAH	49.5	133	Pg	8:50:57.02	-0.45
			Sg	51:04.35	0.00
NIE	96.6	341	Pg	8:51:05.91	0.02
			Sg	51:18.31	-1.04
STHS	97.9	22	Pg	8:51:06.51	0.40
PSZ	98.8	220	Pg	8:51:06.41	0.13
			Sg	51:19.17	-0.87
LANS	112.3	303	Pg	8:51:08.77	0.08
			Sg	51:23.53	-0.80
VYHS	141.8	265	Pn	8:51:13.74	0.39
			Sn	51:32.32	-0.30

958.

2020-08-19 time: 9:08:31.91 UTC ML= 1.8  
 lat: 48.236N lon: 21.295E h= 0.0 km  
 erh= 3.7km erz= 2.8km  
 nr= 11 gap=208 rms=1.03  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.9	329	PgU	9:08:33.14	-0.17
			Sg	08:34.52	0.11
KECS	66.0	295	Pg	9:08:43.46	-0.23
			Sg	08:51.29	-1.58
KOLS	106.0	43	Pg	9:08:49.96	-0.87
PSZ	110.1	251	Sg	9:09:04.97	-1.94
NIE	150.0	331	Pn	9:08:58.65	1.00
			Sn	09:18.59	0.87
LANS	168.6	307	Sn	9:09:22.95	1.10
VYHS	184.4	279	Pn	9:09:03.67	1.73
			Sn	09:26.76	1.40

959.

2020-08-19 time: 10:01:46.95 UTC ML= 1.7  
 lat: 48.837N lon: 21.329E h= 0.0 km  
 erh= 3.9km erz= 4.9km  
 nr= 10 gap=204 rms=0.68  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	60.6	186	Pg	10:01:58.36	0.60
			Sg	02:07.39	1.19
KOLS	70.1	81	Pg	10:01:59.96	0.50
			Sg	02:08.85	-0.38
KECS	73.5	238	Pg	10:02:00.06	-0.02
			Sg	02:09.30	-1.03
TRPA	119.1	131	Pg	10:02:07.44	-0.78
			Sg	02:24.01	-0.80
PSZ	147.4	226	Pn	10:02:12.97	0.61
			Sn	02:31.24	-0.95

960.

2020-08-19 time: 10:38:19.20 UTC ML= 1.2  
 lat: 47.583N lon: 18.441E h= 0.0 km  
 erh= 0.8km erz= 204km  
 nr= 6 gap=130 rms=0.12  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.6	190	Pg	10:38:23.12	0.07
			Sg	38:26.18	0.12
SRO	27.4	339	Sg	10:38:27.91	0.01
CSKK	28.0	209	Pg	10:38:24.24	0.04
			Sg	38:27.78	-0.31
PSZ	115.2	71	Sg	10:38:55.67	-0.15

961.

2020-08-20 time: 3:53:21.72 UTC ML= 1.6  
 lat: 48.537N lon: 17.506E h= 11.5 km  
 erh= 2.6km erz= 1.6km  
 nr= 24 gap= 64 rms=0.98  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SMOL	6.3	245	Pg	3:53:23.94	-0.12
			Sg	53:25.34	-0.54
MODS	24.9	223	Pg	3:53:26.41	-0.20
			Sg	53:29.66	-0.77
A337	38.8	147	Pg	3:53:29.31	0.37
VYHS	98.4	93	Sg	53:34.83	0.25
			P*	3:53:38.60	-0.76
KRUC	100.3	306	S*	53:50.61	-2.51
			P*	3:53:39.84	0.18
RONA	129.6	224	S*	53:51.34	-2.31
			Pn	3:53:45.22	1.77
MORC	137.9	1	Sn	54:00.75	0.35
			Pn	3:53:45.34	0.86
CONA	139.7	241	Sn	54:01.83	-0.40
			Pn	3:53:46.05	1.34
CSKK	142.2	157	Sn	54:02.80	0.16
			Pn	3:54:02.77	-0.43
PKSG	143.5	153	Sn	3:54:02.47	-1.01
PKST	147.5	164	Sn	3:54:03.23	-1.15
PENC	156.0	122	Sn	3:54:07.10	0.84
LANS	159.3	65	Sn	3:54:08.22	1.23
BUD	162.9	136	Sn	3:54:07.41	-0.39
PBUD	163.8	137	Sn	3:54:08.47	0.47
PSZ	190.3	111	Pn	3:53:54.48	3.46

962.

2020-08-20 time: 12:21:00.77 UTC ML= 1.3  
 lat: 45.937N lon: 17.649E h= 10.0 km  
 erh= 6.6km erz= 6.2km  
 nr= 10 gap=288 rms=0.66  
 Locality: Potony  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	38.7	64	PgU	12:21:08.92	1.00
			Sg	21:13.99	0.50
PKSM	82.6	68	Pg	12:21:14.86	-0.77
			Sg	21:27.83	0.61
MORH	83.0	68	Pg	12:21:15.06	-0.64
			Sg	21:27.22	-0.12
PKS9	87.0	34	Pg	12:21:16.99	0.57
			Sg	21:27.89	-0.73
PKB4	96.4	50	Sg	12:21:31.08	-0.49
MPLH	137.3	356	Sn	12:21:41.45	-0.04

## Hypocenter Parameters

## Földrengés paraméterek

963.

2020-08-20 time: 13:18:59.96 UTC ML= 1.4  
 lat: 46.560N lon: 22.594E h= 0.0 km  
 erh= 4.9km erz= \*\*\*km  
 nr= 8 gap=163 rms=0.85  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	27.3	19	Pg	13:19:04.68	-0.15
			Sg	19:08.10	-0.53
MARR	42.2	72	PgC	13:19:07.83	0.33
			Sg	19:13.40	0.02
BZS	129.3	216	Pg	13:19:24.07	1.02
			Sg	19:39.06	-1.99
GZR	130.4	174	Pg	13:19:23.89	0.63
			Sg	19:39.76	-1.67

964.

2020-08-21 time: 8:40:39.67 UTC ML= 1.4  
 lat: 48.608N lon: 20.794E h= 0.0 km  
 erh= 1.9km erz= 1.9km  
 nr= 11 gap=170 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.6	239	Pg	8:40:44.78	0.36
			Sg	40:48.54	0.41
ABAH	47.9	136	Pg	8:40:48.48	0.27
			Sg	40:55.36	0.48
PSZ	101.7	221	Pg	8:40:58.28	0.46
			Sg	41:11.04	-0.94
LANS	114.5	302	ePg	8:41:00.10	0.00
TRPA	139.8	112	Pn	8:41:04.00	-0.13
VYHS	145.1	265	Sn	41:21.54	-1.68
			Pn	8:41:04.59	-0.20
			Sn	41:23.42	-0.97

965.

2020-08-21 time: 10:05:14.05 UTC ML= 1.9  
 lat: 47.576N lon: 16.338E h= 0.0 km  
 erh= 1.3km erz= 1.9km  
 nr= 23 gap= 78 rms=0.65  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	14.2	347	Pg	10:05:16.64	0.07
			Sg	05:19.04	0.50
SOP	20.4	54	Pg	10:05:17.81	0.12
			Sg	05:20.51	-0.02
CONA	53.1	318	Pg	10:05:23.87	0.35
			Sg	05:30.99	0.07
ARSA	71.4	240	Sg	10:05:36.40	-0.33
EGYH	76.9	103	Pg	10:05:28.04	0.26
			Sg	05:38.17	-0.32
MPLH	101.3	116	Pg	10:05:33.03	0.90
			Sg	05:45.09	-1.15
MODS	113.1	38	Pg	10:05:34.86	0.62
			Sg	05:49.23	-0.76
KOGS	125.5	183	Pg	10:05:36.70	0.24
			Sg	05:52.78	-1.16
SMOL	132.3	38	Pn	10:05:37.76	0.19
			Sn	05:54.30	-1.62
GROS	139.3	207	Pn	10:05:39.44	0.99
			Sn	05:56.49	-0.99
SOKA	140.6	225	Pn	10:05:38.37	-0.24
PKSG	156.0	98	Sn	10:05:59.39	-1.80
KRUC	165.3	1	Pn	10:05:41.21	-0.48
			Sn	06:00.59	-2.67*

966.

2020-08-21 time: 10:06:48.46 UTC ML= 1.4  
 lat: 48.466N lon: 19.574E h= 0.0 km  
 erh= 2.0km erz= 656km  
 nr= 10 gap=115 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	54.7	273	ePg	10:06:58.30	0.08
			eSg	07:04.90	-0.93
PSZ	65.4	159	PgU	10:07:00.67	0.53
			Sg	07:08.98	-0.27
KECS	67.4	88	Pg	10:07:00.89	0.39
			Sg	07:09.61	-0.28
LANS	76.5	354	Pg	10:07:02.53	0.41
			Sg	07:11.76	-1.02
ABAH	124.8	99	Pg	10:07:10.66	-0.09
			Sg	07:26.93	-1.20

967.

2020-08-21 time: 10:32:10.76 UTC ML= 1.2  
 lat: 47.536N lon: 16.310E h= 0.0 km  
 erh= 1.9km erz= 627km  
 nr= 9 gap=128 rms=0.47  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	18.2	357	PgU	10:32:14.55	0.54
			Sg	32:16.84	0.30
SOP	24.8	49	Pg	10:32:15.31	0.13
			Sg	32:17.92	-0.72
CONA	55.1	322	Pg	10:32:20.55	-0.04
			Sg	32:27.87	-0.39
ARSA	67.4	242	Pg	10:32:22.13	-0.66
			Sg	32:33.04	0.86
MPLH	101.4	114	Sg	10:32:43.01	0.03

968.

2020-08-21 time: 10:37:57.36 UTC ML= 1.6  
 lat: 48.483N lon: 17.373E h= 0.0 km  
 erh= 1.8km erz= 563km  
 nr= 11 gap=121 rms=0.45  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.3	50	Pg	10:37:58.05	-0.26
			Sg	37:58.75	-0.31
MODS	14.1	210	Pg	10:38:00.00	0.13
			Sg	38:02.51	0.68
KRUC	96.5	312	Pg	10:38:15.42	0.83
			Sg	38:27.67	-0.37
VYHS	108.1	89	Pg	10:38:16.57	-0.10
RONA	118.4	223	Pg	10:38:18.53	0.03
			Sg	38:34.20	-0.80
CONA	128.2	241	Pg	10:38:20.39	0.14
			Sg	38:37.11	-0.99

969.

2020-08-22 time: 2:53:58.04 UTC ML= 1.0  
 lat: 47.890N lon: 16.338E h= 14.6 km  
 erh= 1.5km erz= 1.2km  
 nr= 12 gap= 92 rms=0.35  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	21.4	188	Pg	2:54:02.82	0.15



## Földrengés paraméterek

## Hypocenter Parameters

		Sg	54:05.95	-0.34	
SOP	28.3	144	Pg	2:54:04.18	0.45
		Sg	54:07.46	-0.72	
CONA	35.9	277	Pg	2:54:05.14	0.19
		Sg	54:10.08	-0.27	
MODS	88.2	52	P*	2:54:13.90	0.07
		S*	54:24.79	-1.35	
ARSA	93.9	221	P*	2:54:14.97	0.27
		S*	54:27.39	-0.31	
KRUC	130.3	2	Pn	2:54:19.55	0.10
		Sn	54:35.72	-0.43	

970.

2020-08-23 time: 3:55:47.04 UTC ML= 1.8  
 lat: 45.892N lon: 17.140E h= 12.4 km  
 erh= 3.1km erz= 1.8km  
 nr= 21 gap=177 rms=0.79  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	70.2	336	Pg	3:56:01.37	1.60
			Sg	56:08.12	-1.57
KOVH	77.5	74	Pg	3:56:01.67	0.62
			Sg	56:12.10	0.12
PKSV	86.3	90	Pg	3:56:02.53	-0.08
			Sg	56:13.20	-1.55
PTJ	91.8	271	Pg	3:56:03.13	-0.45
KOGS	92.4	312	P*	3:56:04.43	0.74
			S*	56:15.26	-1.41
PKS9	116.9	49	Sn	3:56:22.76	0.07
PKSM	121.5	73	Pn	3:56:07.38	-0.25
			Sn	56:22.40	-1.29
MORH	121.8	73	Pn	3:56:07.39	-0.29
			Sn	56:23.59	-0.18
CRES	131.0	267	Sn	3:56:25.74	-0.06
PKB4	131.4	59	Pn	3:56:09.60	0.73
			Sn	56:25.41	-0.49
GROS	141.5	297	Pn	3:56:10.22	0.09
			Sn	56:28.91	0.78
MPLH	145.3	12	Sn	3:56:28.93	-0.06
PERS	176.6	298	Sn	3:56:39.45	3.53*

971.

2020-08-23 time: 4:37:04.08 UTC ML= 2.3  
 lat: 47.763N lon: 16.221E h= 10.2 km  
 erh= 1.5km erz= 1.1km  
 nr= 51 gap= 45 rms=0.82  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	9.1	141	PgD	4:37:06.74	0.22
			Sg	37:08.39	-0.03
SOP	26.8	109	PgD	4:37:09.58	0.38
			Sg	37:13.09	-0.11
CONA	32.6	304	PgU	4:37:09.72	-0.45
ARSA	77.6	223	PgD	4:37:16.79	-1.26
			Sg	37:25.92	-3.02
EGYH	92.0	115	Pg	4:37:20.97	0.36
			Sg	37:32.72	-0.78
MODS	103.9	49	P*	4:37:21.88	-0.80
			S*	37:35.87	-1.32
MPLH	119.3	124	Pn	4:37:24.71	0.03
			Sn	37:40.37	-0.38
SMOL	122.7	47	Pn	4:37:25.21	0.11
			Sn	37:41.20	-0.29
KRUC	145.0	5	Pn	4:37:27.89	0.01
			Sn	37:45.03	-1.42
KOGS	146.2	179	Pn	4:37:29.53	1.49
			Sn	37:45.68	-1.05
MOA	146.8	274	Pn	4:37:28.65	0.55
			Sn	37:46.02	-0.82

BEHE	149.8	164	Sn	4:37:47.71	0.19
SOKA	150.5	217	Pn	4:37:28.62	0.05
			Sn	37:47.36	-0.32
PERS	150.7	214	Pn	4:37:28.49	-0.11
			Sn	37:46.34	-1.38
GROS	154.7	201	Pn	4:37:29.74	0.64
			Sn	37:46.65	-1.96
SRO	156.9	88	eSn	4:37:49.00	-0.09
TIH	158.7	127	Pn	4:37:29.96	0.37
CSKK	159.8	106	Sn	4:37:52.23	2.49
PKSG	168.4	104	Sn	4:37:51.52	-0.12
OBKA	188.5	222	Pn	4:37:33.86	0.55
			Sn	37:58.16	2.05
BIOA	193.9	268	Pn	4:37:35.90	1.92
			Sn	37:58.08	0.77
VYHS	211.0	67	Pn	4:37:36.31	0.20
			Sn	38:01.10	0.01
PKB1	222.9	119	Pn	4:37:37.04	-0.56
CRES	223.1	195	Sn	4:38:09.31	5.52*
PKB4	229.2	128	Pn	4:37:38.62	0.24
PENC	229.4	89	Pn	4:37:38.72	0.31
KOVH	234.8	142	Pn	4:37:39.33	0.24
			Sn	38:07.12	0.73
ZVC	239.0	321	ePn	4:37:41.80	2.20
MORC	244.1	23	Pn	4:37:41.87	1.63
			Sn	38:09.55	1.11
MORH	252.1	133	Pn	4:37:41.16	-0.08
PKSM	252.3	133	Pn	4:37:41.24	-0.02
PKSV	259.7	143	Pn	4:37:42.40	0.21
KRLC	260.4	9	Pn	4:37:42.96	0.69
			Sn	38:12.33	0.27

972.

2020-08-23 time: 5:53:09.17 UTC ML= 1.1  
 lat: 45.641N lon: 18.279E h= 7.3 km  
 erh= 4.1km erz=11.9km  
 nr= 10 gap=320 rms=0.42  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	27.5	356	Pg	5:53:14.14	-0.11
			Sg	53:18.37	0.15
KOVH	51.6	344	Pg	5:53:18.93	0.46
			Sg	53:24.37	-1.36
PKSM	69.3	24	Pg	5:53:21.32	-0.30
			Sg	53:31.19	-0.14
MORH	69.8	24	Pg	5:53:21.57	-0.13
			Sg	53:31.36	-0.12
PKB4	98.3	15	Sg	5:53:41.48	0.99
PKS9	105.1	360	Sg	5:53:42.78	0.13

973.

2020-08-24 time: 7:33:22.83 UTC ML= 1.5  
 lat: 48.994N lon: 19.355E h= 0.0 km  
 erh= 2.7km erz= 5.6km  
 nr= 8 gap= 89 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	19.3	25	Pg	7:33:26.56	0.29
			Sg	33:28.68	-0.28
VYHS	67.4	214	Sg	7:33:43.94	-0.31
NIE	84.3	56	Sg	7:33:49.18	-0.45
KECS	100.7	124	Pg	7:33:41.78	0.97
			Sg	33:54.42	-0.42
PSZ	126.1	162	Sg	7:34:02.28	-0.62
MORC	157.8	304	Sn	7:34:09.94	-0.43

## Hypocenter Parameters

## Földrengés paraméterek

974.

2020-08-24 time: 8:00:45.86 UTC ML= 1.2  
 lat: 48.519N lon: 20.760E h= 0.0 km  
 erh= 2.8km erz= 346km  
 nr= 5 gap=226 rms=0.15  
 Locality: Tornaszentandrás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.6	259	Pg	8:00:49.41	-0.13
			Sg	00:52.50	0.09
ABAH	43.3	125	Pg	8:00:53.56	-0.03
PSZ	92.7	224	Pg	8:01:02.64	0.23
			Sg	01:15.10	-0.21

975.

2020-08-24 time: 8:56:40.08 UTC ML= 1.8  
 lat: 47.689N lon: 18.530E h= 0.0 km  
 erh= 1.6km erz= 3.9km  
 nr= 21 gap= 64 rms=0.91  
 Locality: Héreg  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	21.3	310	Pg	8:56:44.08	0.19
			Sg	56:47.19	0.33
PKSG	34.6	198	Pg	8:56:46.62	0.36
			Sg	56:51.29	0.21
CSKK	41.5	209	Pg	8:56:49.10	1.61
			Sg	56:52.51	-0.75
BUD	43.6	122	Sg	8:56:54.05	0.12
PENC	57.5	79	Pg	8:56:50.74	0.39
			Sg	56:58.67	0.31
PKST	60.6	218	Sg	8:56:58.64	-0.71
VYHS	92.4	14	Sg	8:57:08.11	-1.34
MPLH	94.4	232	Pg	8:56:58.17	1.24
			Sg	57:09.72	-0.35
EGYH	95.1	251	Sg	8:57:10.32	0.02
PSZ	105.4	76	Sg	8:57:13.68	0.11
MODS	120.5	309	Pg	8:57:01.43	-0.17
			Sg	57:15.94	-2.45
MORH	164.0	177	Pn	8:57:06.96	-0.60
			Sn	57:26.04	-2.95
PKSM	164.4	177	Pn	8:57:06.86	-0.75
			Sn	57:25.83	-3.25

976.

2020-08-24 time: 10:11:41.76 UTC ML= 1.1  
 lat: 48.004N lon: 19.607E h= 0.0 km  
 erh= 2.1km erz= 484km  
 nr= 5 gap=160 rms=0.22  
 Locality: Hollókő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	23.5	114	Pg	10:11:46.06	0.11
			Sg	11:48.97	-0.25
PENC	34.0	226	Pg	10:11:48.07	0.24
			Sg	11:52.23	-0.33
VYHS	79.1	314	Sg	10:12:06.74	-0.15

977.

2020-08-24 time: 10:12:16.38 UTC ML= 1.3  
 lat: 48.589N lon: 19.369E h= 0.0 km  
 erh= 3.7km erz= \*\*\*km  
 nr= 8 gap=142 rms=0.82  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	40.7	255	Pg	10:12:24.22	0.57
			Sg	12:28.44	-0.88
KECS	83.3	98	Pg	10:12:32.12	0.86
			Sg	12:42.12	-0.75
PSZ	84.2	152	Pg	10:12:32.15	0.73
			Sg	12:42.47	-0.68
PENC	89.1	184	Sg	10:12:43.65	-1.04
NIE	115.3	37	Sg	10:12:51.84	-1.18

978.

2020-08-24 time: 13:14:56.87 UTC ML= 1.5  
 lat: 47.937N lon: 20.156E h= 0.0 km  
 erh= 4.2km erz= 631km  
 nr= 7 gap=200 rms=0.44  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	19.6	264	Pg	13:15:00.40	0.02
			Sg	15:03.01	-0.10
KECS	65.4	22	ePg	13:15:09.30	0.74
ABAH	90.0	64	Pg	13:15:13.20	0.26
			Sg	15:24.94	-0.54
VYHS	116.0	302	Pg	13:15:17.42	-0.16
			Sg	15:32.68	-1.05

979.

2020-08-25 time: 0:49:04.02 UTC ML=-0.1  
 lat: 47.420N lon: 18.226E h= 9.5 km  
 erh= 3.3km erz= 0.9km  
 nr= 6 gap=297 rms=0.18  
 Locality: Pusztavám  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	6.8	157	Pg	0:49:06.22	0.11
			Sg	49:07.40	-0.34
PKSG	12.8	104	Pg	0:49:06.79	-0.08
			Sg	49:09.34	0.25
MORH	137.6	167	Sn	0:49:45.07	0.16
PKSM	138.0	167	Sn	0:49:44.82	-0.18

980.

2020-08-25 time: 8:30:23.93 UTC ML= 1.9  
 lat: 48.737N lon: 18.706E h= 0.0 km  
 erh= 2.0km erz= 2.5km  
 nr= 16 gap= 93 rms=0.65  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	28.7	160	Pg	8:30:29.36	0.30
			Sg	30:32.90	-0.16
A338	84.5	198	Pg	8:30:39.99	0.97
			Sg	30:51.83	1.04
SMOL	97.4	255	Sg	8:30:54.65	-0.24
SRO	106.8	196	Sg	8:30:57.38	-0.51
MODS	113.0	249	Pg	8:30:44.17	0.06
			Sg	30:59.38	-0.46
PENC	113.6	158	Sg	8:30:57.97	-2.09
PSZ	126.7	136	Pg	8:30:46.10	-0.46
KECS	134.2	102	Pn	8:30:47.96	0.26
NIE	139.7	57	Pn	8:30:48.87	0.48
MORC	143.3	324	Pn	8:30:49.02	0.19
			Sn	31:07.10	-1.16
PKSG	151.5	189	Sn	8:31:08.77	-1.30
CSKK	156.4	192	Sn	8:31:10.53	-0.63

## Földrengés paraméterek

## Hypocenter Parameters

981.  


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 2020-08-25 time: 10:01:12.77 UTC ML= 1.5  
 lat: 48.617N lon: 20.732E h= 0.0 km  
 erh= 1.8km erz= 3.0km  
 nr= 14 gap= 92 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.5	231	Pg	10:01:17.02			0.05
			Sg		01:19.94		-0.31
ABAH	51.8	134	Pg	10:01:22.41			0.39
			Sg		01:29.11		-0.13
NIE	94.3	341	Sg	10:01:42.51			-0.22
PSZ	99.6	219	Pg	10:01:30.77			0.22
			Sg		01:43.26		-1.15
LANS	110.1	303	Pg	10:01:32.89			0.47
			Sg		01:47.09		-0.67
KOLS	118.6	73	Sg	10:01:49.46			-1.00
VYHS	140.6	264	Pn	10:01:37.72			0.38
			Sn		01:55.36		-1.15
TRPA	144.4	112	Pn	10:01:38.88			1.07
			Sn		01:54.55		-2.79

982.  


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 2020-08-25 time: 10:45:41.88 UTC ML= 1.3  
 lat: 47.715N lon: 18.716E h= 0.0 km  
 erh= 2.3km erz= 968km  
 nr= 10 gap= 76 rms=0.78  
 Locality: Csolnok  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SRO	32.2	290	Sg	10:45:52.60			0.49
BUD	34.5	138	Sg	10:45:53.21			0.35
PENC	43.2	79	Pg	10:45:50.08			0.48
			Sg		45:55.87		0.25
PKSG	43.5	214	Sg	10:45:55.16			-0.54
CSKK	52.0	221	Sg	10:45:58.13			-0.28
VYHS	87.1	6	Pg	10:45:58.47			1.03
			Sg		46:08.32		-1.26
PSZ	91.1	76	Sg	10:46:09.92			-0.92
MPLH	107.4	236	Sg	10:46:14.74			-1.30

983.  


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 2020-08-25 time: 10:48:08.37 UTC ML= 1.2  
 lat: 48.503N lon: 19.549E h= 0.0 km  
 erh= 2.1km erz= 558km  
 nr= 7 gap=120 rms=0.38  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	52.7	269	Pg	10:48:18.11			0.33
			Sg		48:24.86		-0.26
KECS	69.3	92	Pg	10:48:21.04			0.30
			Sg		48:29.85		-0.53
PSZ	69.9	158	Pg	10:48:21.04			0.19
			Sg		48:29.50		-1.09
NIE	116.2	29	Pg	10:48:28.99			-0.13

984.  


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 2020-08-25 time: 10:48:53.33 UTC ML= 1.1  
 lat: 48.473N lon: 19.556E h= 0.0 km  
 erh= 3.0km erz= 668km  
 nr= 6 gap=176 rms=0.39  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	53.2	273	Pg	10:49:03.09			0.25
			Sg		49:09.76		-0.50
PSZ	66.6	158	Pg	10:49:05.51			0.29
			Sg		49:14.12		-0.38
KECS	68.8	89	Pg	10:49:05.83			0.22
			Sg		49:14.35		-0.84

985.  


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 2020-08-25 time: 11:02:39.24 UTC ML= 1.4  
 lat: 48.269N lon: 19.865E h= 0.0 km  
 erh= 3.0km erz= 6.6km  
 nr= 10 gap=111 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	39.0	177	Pg	11:02:46.82			0.62
			Sg		02:50.34		-1.29
KECS	51.8	63	Pg	11:02:49.17			0.68
			Sg		02:54.75		-0.95
VYHS	80.3	288	Pg	11:02:54.84			1.26
			Sg		03:03.57		-1.19
ABAH	102.0	88	Sg	11:03:10.82			-0.85
LANS	102.4	343	ePg	11:02:57.60			0.08
			eSg		03:12.30		0.52
NIE	132.1	14	Sn	11:03:19.40			-1.68

986.  


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 2020-08-25 time: 13:10:54.91 UTC ML= 1.7  
 lat: 46.868N lon: 22.865E h= 1.2 km  
 erh= 5.2km erz= 2.7km  
 nr= 6 gap=308 rms=0.21  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
DRGR	14.4	234	Pg	13:10:57.30			-0.20
			Sg		10:59.71		0.19
GZR	164.0	182	Pn	13:11:22.31			0.06
			Sn		11:43.20		-0.37
BZS	169.1	215	Pn	13:11:23.15			0.27
			Sn		11:44.70		0.00

987.  


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 2020-08-25 time: 15:16:05.11 UTC ML= 0.7  
 lat: 47.373N lon: 18.401E h= 3.7 km  
 erh= 0.4km erz= 0.3km  
 nr= 5 gap=266 rms=0.30  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	2.2	340	Pg	15:16:05.83			-0.05
			Sg		16:06.27		-0.21
CSKK	10.7	264	Pg	15:16:07.39			0.26
			Sg		16:09.01		0.31
PKST	30.5	245	Sg	15:16:14.21			-0.66

988.  


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 2020-08-25 time: 21:30:47.04 UTC ML= 2.3  
 lat: 45.891N lon: 16.048E h= 12.1 km  
 erh= 2.5km erz= 1.5km  
 nr= 38 gap= 66 rms=1.03  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	7.0	279	Pg	21:30:49.13			-0.42
			Sg		30:50.46		-1.04

## Hypocenter Parameters

ZAG	8.0	211	Pg	21:30:49.43	-0.21
			Sg	30:50.94	-0.73
GCIS	32.7	265	iPgC	21:30:53.40	0.13
			iSg	30:57.44	-0.69
GOLS	35.4	292	iPg	21:30:54.08	0.35
			iSg	30:58.65	-0.29
CESS	46.2	281	iPg	21:30:56.31	0.73
			iSg	31:01.94	-0.30
CRES	46.4	261	iPg	21:30:55.56	-0.05
			iSg	31:02.18	-0.12
DOBS	53.2	303	iPgD	21:30:57.32	0.53
			iSg	31:04.67	0.27
LEGS	57.0	277	iPg	21:30:57.87	0.42
			eSg	31:05.61	0.05
GROS	76.1	326	Pg	21:31:00.02	-0.79
			Sg	31:10.12	-1.43
BEHE	85.5	41	Pg	21:31:04.36	1.90
			Sg	31:14.96	0.47
PERS	109.6	319	Pn	21:31:05.16	-1.03
			Sn	31:19.61	-1.51
SOKA	117.4	318	Sn	21:31:21.45	-1.40
OBKA	134.6	301	Pn	21:31:11.87	2.57
			Sn	31:27.60	0.94
BLY	155.1	145	Sn	21:31:30.85	-0.36
ARSA	156.4	345	Sn	21:31:31.09	-0.42
KOVH	160.5	82	Pn	21:31:12.71	0.17
			Sn	31:30.61	-1.82
PKSV	171.1	90	Sn	21:31:32.88	-1.90
TRI	178.7	264	Sn	21:31:38.66	2.21
RONA	202.0	5	Pn	21:31:20.30	2.59
PKSM	203.9	80	Pn	21:31:17.74	-0.21
			Sn	31:40.31	-1.74
MORH	204.2	80	Pn	21:31:18.15	0.17
			Sn	31:40.26	-1.86
CONA	227.0	356	Pn	21:31:24.16	3.34
			Sn	31:59.43	12.26*
MOA	256.7	328	Sn	21:31:55.53	1.77

989.

2020-08-25 time: 22:55:03.71 UTC ML= 2.2  
 lat: 45.922N lon: 16.006E h= 6.3 km  
 erh= 2.0km erz= 1.9km  
 nr= 22 gap= 66 rms=0.75  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.5	237	Pg	22:55:04.95	-0.14
			Sg	55:05.87	-0.29
ZAG	10.4	185	Pg	22:55:05.71	-0.17
			Sg	55:06.60	-0.97
GCIS	30.0	258	iSg	22:55:13.33	-0.13
GOLS	31.2	288	iPg	22:55:10.41	1.01
			iSg	55:14.40	0.57
CESS	42.5	278	iPg	22:55:12.00	0.62
			iSg	55:17.62	0.25
CRES	44.0	256	Pg	22:55:11.69	0.05
			Sg	55:17.61	-0.22
KOGS	61.5	18	Pg	22:55:15.62	0.87
			Sg	55:23.64	0.29
GROS	71.5	327	Pg	22:55:15.27	-1.25
			Sg	55:26.03	-0.49
PERS	104.9	319	Pg	22:55:22.45	-0.02
			Sg	55:35.34	-1.77
OBKA	130.0	300	Pn	22:55:28.01	1.85
			Sn	55:42.39	-1.27
BLY	159.8	145	Sn	22:55:50.26	0.00
KOVH	163.2	83	Pn	22:55:29.32	-0.98
			Sn	55:51.70	0.67

## Földrengés paraméterek

990.

2020-08-26 time: 6:17:23.25 UTC ML= 1.0  
 lat: 47.251N lon: 18.330E h= 0.0 km  
 erh= 3.5km erz= 502km  
 nr= 6 gap=256 rms=0.30  
 Locality: Sárkereszttes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.6	337	Pg	6:17:26.04	0.37
			Sg	17:27.45	-0.11
PKSG	16.4	16	Pg	6:17:26.23	0.06
			Sg	17:27.96	-0.49
PKST	22.4	272	Pg	6:17:26.95	-0.30
			Sg	17:30.68	0.32

991.

2020-08-26 time: 7:20:03.40 UTC ML= 1.9  
 lat: 48.276N lon: 17.279E h= 0.0 km  
 erh= 6.9km erz= \*\*\*km  
 nr= 7 gap=227 rms=0.73  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	10.8	359	Pg	7:20:06.02	0.69
			Sg	20:07.09	0.25
SMOL	28.6	23	Pg	7:20:08.08	-0.43
			Sg	20:11.92	-0.58
KRUC	108.9	323	Pg	7:20:23.64	0.79
			Sg	20:36.40	-1.62
CONA	112.4	250	Sg	7:20:38.60	-0.54

992.

2020-08-26 time: 7:29:54.33 UTC ML= 1.7  
 lat: 46.832N lon: 17.273E h= 0.0 km  
 erh= 3.7km erz= 7.0km  
 nr= 8 gap=111 rms=0.44  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	42.7	28	Pg	7:30:01.57	-0.39
			Sg	30:07.79	-0.13
EGYH	65.2	4	Sg	7:30:15.68	0.61
KOVH	104.2	142	Sg	7:30:28.23	0.77
PKSG	105.2	54	Sg	7:30:28.13	0.35
MORH	125.5	123	Sg	7:30:33.75	-0.48
PKSM	125.6	123	Sg	7:30:33.95	-0.30
GROS	141.7	253	Sn	7:30:38.27	-0.03

993.

2020-08-26 time: 7:44:32.29 UTC ML= 2.2  
 lat: 46.327N lon: 17.075E h= 15.2 km  
 erh= 3.7km erz= 2.4km  
 nr= 21 gap=128 rms=0.79  
 Locality: Csurgónagymarton  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	28.0	305	Pg	7:44:38.31	0.33
			Sg	44:41.90	-0.52
KOGS	64.9	282	Pg	7:44:44.66	0.48
			Sg	44:52.15	-1.31
KOVH	83.4	109	P*	7:44:47.53	0.23
			S*	44:57.47	-1.53
PKS9	96.9	73	S*	7:45:01.46	-1.19
PTJ	98.6	241	P*	7:44:50.08	0.48
			S*	45:01.55	-1.56
PKSV	103.2	118	Pn	7:44:50.83	0.58

## Földrengés paraméterek

## Hypocenter Parameters

Station	Dist	Azm	Phase	hr	mn	sec	res
PKB4	119.0	81	Sn	45:03.50			-0.75
PKSM	121.4	96	PnU	7:45:08.04			0.28
			Sn	45:07.83			-0.46
MORH	121.6	96	Pn	7:44:52.71			0.18
			Sn	45:07.57			-0.75
GROS	121.9	277	Pn	7:44:52.86			0.28
			Sn	45:07.24			-1.16
CRES	137.0	246	Pn	7:44:55.95			1.49
			Sn	45:13.31			1.56
PERS	154.3	283	Sn	7:45:14.84			-0.74

994.

2020-08-26 time: 8:23:20.85 UTC ML= 2.1  
 lat: 47.862N lon: 19.101E h= 0.0 km  
 erh= 1.1km erz= 2.3km  
 nr= 7 gap=108 rms=0.34  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	15.7	121	Pg	8:23:24.01			0.36
			Sg	23:25.90			0.06
BUD	42.5	188	Sg	8:23:33.99			-0.36
PSZ	59.7	84	Sg	8:23:39.56			-0.26
VYHS	72.9	344	Sg	8:23:43.80			-0.23
PKSG	74.7	226	Sg	8:23:44.26			-0.34
MPLH	140.5	237	Sn	8:24:05.19			0.63

995.

2020-08-26 time: 8:58:34.44 UTC ML= 1.5  
 lat: 46.895N lon: 17.327E h= 0.0 km  
 erh= 0.8km erz= 255km  
 nr= 6 gap=149 rms=0.15  
 Locality: Várvolgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	34.6	28	Pg	8:58:40.47			-0.15
			Sg	58:45.64			0.21
KOGS	96.2	239	Sg	8:59:05.07			0.05
KOVH	107.5	147	Sg	8:59:08.64			0.02
MORH	126.1	127	Sg	8:59:14.36			-0.16
PKSM	126.2	127	Sg	8:59:14.76			0.21

996.

2020-08-26 time: 9:10:47.97 UTC ML= 0.8  
 lat: 47.203N lon: 18.354E h= 0.0 km  
 erh= 2.3km erz= 4.1km  
 nr= 8 gap=113 rms=0.48  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.1	338	Pg	9:10:51.20			-0.18
			Sg	10:53.12			-0.93
PKSG	21.1	7	Pg	9:10:52.11			0.37
			Sg	10:55.44			0.76
MPLH	61.9	267	Sg	9:11:08.03			0.40
PKSM	112.4	169	Sg	9:11:23.80			0.11
KOVH	125.5	189	Sg	9:11:27.54			-0.31
PSZ	140.6	56	Sn	9:11:31.02			-0.66

997.

2020-08-26 time: 10:00:22.73 UTC ML= 1.5  
 lat: 48.148N lon: 16.895E h= 0.0 km  
 erh= 2.0km erz= 3.6km  
 nr= 9 gap= 88 rms=0.52  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	37.9	49	Pg	10:00:29.47			-0.03
			Sg	00:34.54			-0.24
SMOL	56.8	44	Sg	10:00:41.67			0.89
RONA	67.0	222	Pg	10:00:35.39			0.70
			Sg	00:43.48			-0.54
CONA	80.8	252	Sg	10:00:48.65			0.23
KRUC	108.1	340	Sg	10:00:56.58			-0.51
MPLH	119.0	156	Sg	10:00:59.89			-0.68
VYHS	149.0	75	Sn	10:01:07.98			-0.36

998.

2020-08-26 time: 21:57:42.89 UTC ML= 2.5  
 lat: 45.560N lon: 18.077E h= 3.0 km  
 erh= 1.5km erz= 1.1km  
 nr= 44 gap=109 rms=0.62  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	38.9	20	PgD	21:57:50.39			0.52
			Sg	57:54.91			-0.40
KOVH	58.7	2	Pg	21:57:53.97			0.58
			Sg	58:00.60			-0.98
PKSM	84.6	31	Pg	21:57:57.85			-0.17
			Sg	58:09.62			-0.19
MORH	85.1	31	Pg	21:57:57.97			-0.13
			Sg	58:09.03			-0.94
PKB4	111.8	21	Pg	21:58:03.46			0.60
			Sg	58:17.45			-0.98
BLY	114.3	218	Pg	21:58:03.22			-0.09
			Sg	58:18.30			-0.94
PKS9	115.2	8	Pg	21:58:03.67			0.20
			Sg	58:18.87			-0.65
PKB5	125.8	24	Pn	21:58:05.81			0.59
			Sn	58:21.33			-1.31
PKB3	129.3	42	Pn	21:58:06.27			0.61
			Sn	58:22.60			-0.81
PKS2	135.9	40	Pn	21:58:06.17			-0.31
			Sn	58:24.71			-0.17
BEHE	142.8	315	Pn	21:58:07.33			-0.01
			Sn	58:25.90			-0.51
FRGS	143.8	109	Pn	21:58:06.97			-0.50
			Sn	58:25.57			-1.06
PKB1	146.8	22	Pn	21:58:09.07			1.22
			Sn	58:26.99			-0.32
TIH	149.6	355	Sn	21:58:27.87			-0.05
PKS6	163.1	45	Pn	21:58:11.14			1.27
			Sn	58:32.39			1.48
PTJ	169.2	283	Pn	21:58:10.18			-0.46
MPLH	183.7	347	Pn	21:58:12.42			-0.02
			Sn	58:35.24			-0.24
CSKK	200.9	4	Pn	21:58:14.96			0.37
PKSG	205.0	7	Pn	21:58:15.37			0.27
CRES	206.2	278	Pn	21:58:15.17			-0.08
			Sn	58:39.80			-0.69
EGYH	214.2	345	Pn	21:58:16.88			0.64
AMBH	223.3	67	Sn	21:58:50.11			5.82*
PERS	258.3	298	Pn	21:58:21.75			0.01
SOKA	266.1	298	Pn	21:58:22.24			-0.48
ARSA	271.8	314	Pn	21:58:23.37			-0.06
RONA	274.2	330	Pn	21:58:23.93			0.21
			Sn	58:56.01			0.45
BZS	276.3	89	Pn	21:58:24.99			1.00
OBKA	292.8	291	Pn	21:58:25.96			-0.09
			Sn	58:56.24			-3.47*
CONA	313.0	327	Pn	21:58:28.63			0.07*
			Sn	59:04.25			0.06*
VYHS	331.2	10	Pn	21:58:32.16			1.32*
MOA	386.9	311	Pn	21:58:38.52			0.74*
			Sn	59:20.33			-0.26*
BIOA	414.4	305	Pn	21:58:41.86			0.66*
			Sn	59:23.20			-3.48*

## Hypocenter Parameters

## Földrengés paraméterek

999.

2020-08-27 time: 1:44:10.34 UTC ML= 1.1  
 lat: 48.015N lon: 20.491E h= 11.6 km  
 erh= 2.3km erz= 2.2km  
 nr= 8 gap=133 rms=0.43  
 Locality: Répáshuta  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	45.8	256	Pg	1:44:18.82			0.04
			Sg	44:24.98			-0.38
KECS	52.1	360	Pg	1:44:20.27			0.40
			Sg	44:27.76			0.45
ABAH	63.9	61	Pg	1:44:21.81			-0.13
			Sg	44:29.32			-1.66
LTVH	126.9	123	Sn	1:44:48.68			0.28
VYHS	133.9	293	Sn	1:44:49.59			-0.37

1000.

2020-08-27 time: 7:08:13.76 UTC ML= 0.9  
 lat: 48.495N lon: 19.343E h= 0.0 km  
 erh= 7.0km erz= \*\*\*km  
 nr= 5 gap=181 rms=0.59  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	37.5	270	Pg	7:08:20.77			0.32
			Sg	08:25.29			-0.38
PSZ	76.1	147	Sg	7:08:38.00			0.05
KECS	84.5	91	Pg	7:08:29.21			0.37
			Sg	08:38.95			-1.66

1001.

2020-08-27 time: 7:21:05.50 UTC ML= 1.5  
 lat: 47.844N lon: 19.865E h= 0.0 km  
 erh= 4.8km erz= 6.5km  
 nr= 10 gap=174 rms=0.70  
 Locality: Gyöngyösorszi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	8.5	15	Pg	7:21:07.56			0.54
			Sg	21:08.89			0.68
PENC	44.1	262	Pg	7:21:13.70			0.32
			Sg	21:19.95			0.43
KECS	84.7	33	Sg	7:21:31.08			-1.35
VYHS	105.3	313	Pg	7:21:24.38			0.08
			Sg	21:37.58			-1.39
PKSG	121.7	246	Sg	7:21:43.07			-1.12
MORH	203.4	207	Sn	7:22:03.48			0.31
PKSM	203.9	207	Sn	7:22:03.48			0.20

1002.

2020-08-27 time: 9:35:58.33 UTC ML= 1.9  
 lat: 48.880N lon: 20.477E h= 0.0 km  
 erh= 2.0km erz= 2.7km  
 nr= 19 gap= 54 rms=0.82  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	44.2	179	Pg	9:36:06.41			0.20
			Sg	36:11.34			-1.03
NIE	61.1	349	Pg	9:36:10.08			0.85
			Sg	36:17.69			-0.05
LANS	79.7	292	Pg	9:36:11.65			-0.91
			Sg	36:23.33			-0.33
STHS	81.8	43	Pg	9:36:12.60			-0.33

			Sg	36:23.23			-1.09
ABAH	86.0	139	Pg	9:36:14.16			0.49
			Sg	36:25.75			0.10
PSZ	115.3	202	Pg	9:36:19.81			0.89
			Sg	36:33.51			-1.48
VYHS	128.2	250	Pg	9:36:21.02			-0.20
			Sg	36:36.13			-2.95
KOLS	131.8	87	Pn	9:36:21.72			-0.08
			Sn	36:38.75			-1.35
PENC	150.1	216	Sn	9:36:45.20			1.03
OJC	156.8	342	Pn	9:36:26.36			1.45
			Sn	36:45.85			0.20

1003.

2020-08-27 time: 9:39:55.60 UTC ML= 1.4  
 lat: 48.659N lon: 20.701E h= 0.0 km  
 erh= 3.2km erz= 372km  
 nr= 6 gap=276 rms=0.22  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.2	219	Pg	9:40:00.26			0.16
			Sg	40:03.63			0.02
ABAH	56.6	135	Pg	9:40:05.96			0.24
			Sg	40:13.34			-0.27
PSZ	101.8	216	Pg	9:40:13.46			-0.32
			Sg	40:28.01			0.05

1004.

2020-08-27 time: 11:03:33.44 UTC ML= 1.6  
 lat: 47.274N lon: 18.301E h= 0.5 km  
 erh= 3.3km erz= 3.0km  
 nr= 10 gap=175 rms=0.54  
 Locality: Magyaralmás  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.3	343	Pg	11:03:35.41			0.13
			Sg	03:36.12			-0.60
PKSG	14.7	28	Pg	11:03:36.02			-0.05
			Sg	03:37.48			-0.64
MORH	120.6	167	Sg	11:04:11.52			-0.24
PKSM	121.0	168	Sg	11:04:11.82			-0.06
PSZ	139.6	59	Pn	11:03:58.48			0.67
			Sn	04:16.32			-0.50
VYHS	141.4	16	Pn	11:03:58.79			0.76
			Sn	04:15.31			-1.91

1005.

2020-08-27 time: 11:17:38.09 UTC ML= 1.3  
 lat: 47.332N lon: 18.290E h= 7.3 km  
 erh= 0.1km erz= 0.1km  
 nr= 7 gap=159 rms=0.02  
 Locality: Söréd  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	4.1	327	Pg	11:17:39.60			0.02
			Sg	17:40.73			-0.02
PKSG	10.1	49	PgU	11:17:40.30			-0.02
			Sg	17:42.07			0.02
MORH	127.0	168	Sn	11:18:17.16			0.02
PKSM	127.4	168	Sn	11:18:17.21			-0.02
VYHS	135.5	18	Sn	11:18:19.02			0.01

## Földrengés paraméterek

## Hypocenter Parameters

1006.  


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 2020-08-27 time: 11:24:13.17 UTC ML= 1.6  
 lat: 47.347N lon: 18.288E h= 7.3 km  
 erh= 5.4km erz= 3.4km  
 nr= 7 gap=125 rms=0.17  
 Locality: Csákbéreny  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.7	311	Pg	11:24:14.55	-0.02
			Sg	24:15.53	-0.13
PKSG	9.2	57	Pg	11:24:15.36	0.09
			Sg	24:16.94	0.03
MORH	128.7	168	Sn	11:24:52.60	0.03
PKSM	129.0	168	Sn	11:24:52.36	-0.30
KOVH	140.7	186	Sn	11:24:55.98	0.74

1007.  


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 2020-08-27 time: 11:51:00.84 UTC ML= 1.4  
 lat: 47.859N lon: 16.047E h= 0.0 km  
 erh= 3.9km erz= 4.0km  
 nr= 14 gap=122 rms=1.05  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.9	299	Pg	11:51:03.72	0.05
			Sg	51:07.03	1.15
RONA	25.7	133	Pg	11:51:06.23	0.80
			Sg	51:09.44	0.42
ARSA	78.3	210	Pg	11:51:13.86	-0.95
			Sg	51:24.50	-1.21
MOA	133.3	270	Pn	11:51:24.87	0.38
			Sn	51:41.18	-1.76
KRUC	136.3	11	Pn	11:51:23.80	-1.06
			Sn	51:40.97	-2.63
BIOA	181.5	264	Pn	11:51:32.04	1.54
			Sn	51:54.22	0.59
KBA	221.4	247	Pn	11:51:36.50	1.02
			Sn	52:02.88	0.38

1008.  


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 2020-08-28 time: 7:17:10.56 UTC ML= 1.0  
 lat: 48.055N lon: 20.683E h= 0.0 km  
 erh= 2.1km erz= 448km  
 nr= 6 gap=198 rms=0.26  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	49.3	57	Pg	7:17:19.29	-0.08
			Sg	17:26.07	-0.17
KECS	49.8	343	Pg	7:17:19.70	0.24
			Sg	17:26.17	-0.22
PSZ	60.8	256	Pg	7:17:21.68	0.26
			Sg	17:29.32	-0.57

1009.  


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 2020-08-28 time: 8:54:06.05 UTC ML= 1.3  
 lat: 46.116N lon: 18.094E h= 0.0 km  
 erh= 0.8km erz= 181km  
 nr= 10 gap=203 rms=0.14  
 Locality: Kővágótóttós  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	3.1	172	Pg	8:54:06.58	-0.03
			Sg	54:07.39	0.34
PKSV	28.1	154	Pg	8:54:10.97	-0.11
			Sg	54:15.10	0.11

PKSM	43.6	76	Pg	8:54:13.78	-0.06
			Sg	54:19.80	-0.11
MORH	43.9	75	Pg	8:54:13.83	-0.06
			Sg	54:20.06	0.05
PKS9	54.2	15	Sg	8:54:23.33	0.04
PKB4	57.7	43	Sg	8:54:25.27	0.88

1010.  


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 2020-08-28 time: 9:05:47.69 UTC ML= 1.6  
 lat: 47.317N lon: 17.633E h= 0.0 km  
 erh= 1.4km erz= 1.7km  
 nr= 18 gap= 65 rms=0.71  
 Locality: Ugod  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	17.8	203	Pg	9:05:50.73	-0.13
			Sg	05:53.84	0.50
EGYH	25.3	296	Pg	9:05:53.04	0.83
			Sg	05:57.15	1.41
CSKK	47.7	84	Pg	9:05:56.25	0.04
			Sg	06:03.88	1.02
PKSG	57.9	82	Pg	9:05:58.26	0.23
			Sg	06:06.90	0.81
A338	94.6	35	Sg	9:06:18.09	0.32
ZST	105.5	338	Sg	9:06:20.20	-1.04
RONA	109.3	293	Sg	9:06:21.41	-1.02
KOVH	141.2	165	Sn	9:06:31.50	-0.04
KOGS	142.9	227	Sn	9:06:32.25	0.32
MORH	144.7	148	Sn	9:06:31.30	-1.04
PKSM	145.0	148	Sn	9:06:31.30	-1.10
CONA	149.5	297	Sn	9:06:32.75	-0.64
VYHS	158.8	35	ePn	9:06:14.00	-0.53
			eSn	06:34.10	-1.36

1011.  


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 2020-08-29 time: 9:19:03.42 UTC ML= 1.1  
 lat: 48.051N lon: 19.580E h= 0.0 km  
 erh= 4.3km erz= 991km  
 nr= 5 gap=170 rms=0.47  
 Locality: Nagylóc  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	27.8	122	Pg	9:19:08.65	0.27
			Sg	19:12.06	-0.19
PENC	36.6	218	Pg	9:19:10.40	0.45
			Sg	19:14.14	-0.90
VYHS	73.9	312	Sg	9:19:26.44	-0.48

1012.  


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 2020-08-29 time: 9:42:54.85 UTC ML= 1.0  
 lat: 48.051N lon: 19.635E h= 0.0 km  
 erh= 1.7km erz= 522km  
 nr= 6 gap=103 rms=0.30  
 Locality: Sóshartyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	24.4	127	Pg	9:42:59.61	0.40
			Sg	43:02.12	-0.48
PENC	39.2	222	Pg	9:43:01.61	-0.24
			Sg	43:07.57	0.25
VYHS	77.0	310	Sg	9:43:19.26	-0.08
KECS	79.3	53	Sg	9:43:20.04	-0.03

## Hypocenter Parameters

## Földrengés paraméterek

1013.

2020-08-30 time: 5:44:21.14 UTC ML= 2.2  
 lat: 46.544N lon: 21.296E h= 1.6 km  
 erh= 2.4km erz= 2.5km  
 nr= 39 gap= 50 rms=1.34  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	48.8	244	Pg	5:44:30.03	0.17
			Sg	44:37.53	0.86
LTVH	104.2	26	Sg	5:44:53.18	-1.07
BZS	106.1	166	Pg	5:44:40.43	0.35
			Sg	44:53.73	-1.12
DRGR	111.7	76	Pg	5:44:41.08	-0.01
			Sg	44:54.73	-1.93
PKSN	116.0	290	Sg	5:44:54.98	-3.05
PKS6	132.9	273	Pn	5:44:43.73	-0.80
			Sn	44:59.80	-2.98
DEV	144.2	121	Sn	5:45:04.07	-1.22
PKB2	158.0	275	Sn	5:45:05.93	-2.43
PKS2	159.9	268	Sn	5:45:07.23	-1.56
PKB3	161.9	265	Pn	5:44:47.84	-0.31
			Sn	45:06.52	-2.70
GZR	171.9	138	Pn	5:44:51.09	1.69
			Sn	45:11.60	0.16
PKS7	172.3	289	Sn	5:45:10.52	-1.02
CJR	177.3	84	Sn	5:45:13.23	0.58
PSZ	186.0	325	Pn	5:44:51.88	0.72
			Sn	45:14.59	0.02
PKB1	193.5	278	Sn	5:45:16.49	0.26
FRGS	194.5	216	Sn	5:45:16.80	0.33
ABAH	194.8	359	Pn	5:44:54.45	2.20
			Sn	45:16.67	0.15
TRPA	199.8	28	Sn	5:45:18.14	0.50
PKB4	206.6	269	Pn	5:44:55.38	1.65
			Sn	45:19.52	0.37
MORH	207.2	260	Pn	5:44:54.78	0.97
			Sn	45:19.52	0.23
PKSM	207.5	260	Pn	5:44:54.88	1.04
			Sn	45:19.78	0.43
PKSG	240.3	293	Sn	5:45:28.13	1.50
PKSV	245.9	253	Pn	5:45:01.70	3.07
			Sn	45:30.40	2.53
KOVH	251.3	258	Pn	5:45:01.81	2.51
			Sn	45:30.52	1.45
PKST	260.9	288	Sn	5:45:32.61	1.41
KOLS	275.5	15	eSn	5:45:29.00	-5.44*
VYHS	285.1	319	ePn	5:45:01.30	-2.22

1014.

2020-08-31 time: 6:59:34.29 UTC ML= 1.6  
 lat: 47.897N lon: 19.408E h= 0.6 km  
 erh= 1.4km erz= 1.7km  
 nr= 16 gap=111 rms=0.51  
 Locality: Bercel  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	15.1	219	Pg	6:59:36.83	-0.17
			Sg	59:39.22	0.11
PSZ	36.5	86	Pg	6:59:40.85	0.04
			Sg	59:45.89	0.00
BUD	54.2	212	Sg	6:59:51.38	-0.16
VYHS	78.8	327	Pg	6:59:48.84	0.47
			Sg	59:58.51	-0.84
PKSG	94.8	234	Pg	6:59:50.67	-0.56
KECS	103.3	51	Pg	6:59:52.50	-0.24
			Sg	7:00:06.44	-0.69
LANS	139.5	2	Pn	6:59:59.73	1.09
			Sn	7:00:17.13	-0.51
ABAH	143.5	72	Pn	6:59:59.52	0.37
MODS	167.2	288	Sn	6:60:24.56	0.77

NIE 181.9 22 Sn 6:60:28.63 1.57  
 MORH 195.7 197 Sn 6:60:29.96 -0.16

1015.

2020-08-31 time: 7:50:24.23 UTC ML= 1.7  
 lat: 48.735N lon: 19.624E h= 6.7 km  
 erh= 2.8km erz= 4.1km  
 nr= 15 gap=101 rms=0.99  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
LANS	47.6	346	Pg	7:50:33.55	0.74
			Sg	50:39.00	-0.51
VYHS	63.9	245	Pg	7:50:35.72	0.01
			Sg	50:43.05	-1.61
KECS	69.5	114	Pg	7:50:37.55	0.86
			Sg	50:44.88	-1.52
NIE	91.2	34	Pg	7:50:40.30	-0.26
			Sg	50:50.88	-2.42
PSZ	93.0	168	Pg	7:50:41.93	1.06
			Sg	50:53.33	-0.53
PENC	108.0	194	Pg	7:50:44.58	1.03
			Sg	50:57.20	-1.43
ABAH	129.0	112	Sn	7:51:02.99	-0.87
OJC	165.6	4	Sn	7:51:12.66	0.67
KOLS	195.8	84	Sn	7:51:19.48	0.80

1016.

2020-08-31 time: 7:58:56.28 UTC ML= 2.0  
 lat: 45.984N lon: 22.319E h= 4.0 km  
 erh= 1.4km erz= 2.0km  
 nr= 10 gap=145 rms=0.33  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DEV	46.7	104	Pg	7:59:04.81	0.16
			Sg	59:11.36	0.19
BZS	68.2	233	Pg	7:59:08.85	0.37
			Sg	59:17.79	-0.21
GZR	74.7	152	Pg	7:59:09.65	0.01
			Sg	59:19.29	-0.78
DRGR	94.7	19	Pg	7:59:13.07	-0.13
			Sg	59:25.52	-0.88
CJR	127.5	51	Pn	7:59:18.99	0.29
			Sn	59:36.06	-0.13

1017.

2020-08-31 time: 8:46:22.72 UTC ML= 1.4  
 lat: 46.121N lon: 18.324E h= 0.0 km  
 erh= 2.9km erz= 918km  
 nr= 10 gap=125 rms=0.72  
 Locality: Hird  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.7	258	Pg	8:46:25.39	-0.50
			Sg	46:27.73	-0.63
PKSM	26.5	68	Pg	8:46:27.42	-0.03
			Sg	46:30.93	-0.20
PKSV	26.5	192	Sg	8:46:32.61	1.47
MORH	26.8	67	Pg	8:46:27.35	-0.16
			Sg	46:30.73	-0.52
PKS9	51.9	356	Pg	8:46:33.07	1.08
			Sg	46:39.84	0.63
PKB2	93.6	49	Sg	8:46:51.19	-1.28



## Földrengés paraméterek

## Hypocenter Parameters

1018.

2020-08-31 time: 9:13:43.26 UTC ML= 1.6  
 lat: 47.926N lon: 19.393E h= 0.0 km  
 erh= 3.0km erz= 5.6km  
 nr= 9 gap=118 rms=0.73  
 Locality: Becske  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.3	209	Sg	9:13:48.74	-0.01
PSZ	37.5	91	Pg	9:13:50.25	0.30
			Sg	13:55.19	0.02
VYHS	75.5	327	Sg	9:14:06.95	-0.30
PKSG	96.0	232	Pg	9:14:00.96	0.57
			Sg	14:12.26	-1.50
KECS	102.1	53	Pg	9:14:02.16	0.67
			Sg	14:13.92	-1.79
ABAH	143.5	73	Sn	9:14:27.28	-0.35

1019.

2020-08-31 time: 9:28:47.27 UTC ML= 2.0  
 lat: 46.971N lon: 22.326E h= 0.0 km  
 erh= 3.6km erz= 6.0km  
 nr= 8 gap=209 rms=0.74  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	35.5	124	Pg	9:28:53.91	0.31
			Sg	28:58.80	0.26
CJR	101.2	106	Pg	9:29:05.75	0.41
			Sg	29:18.57	-0.86
BMR	118.0	49	Pg	9:29:08.60	0.25
			Sg	29:23.05	-1.74
BZS	160.1	200	Pn	9:29:14.80	0.53
			Sn	29:33.23	-2.10

1020.

2020-08-31 time: 9:54:39.81 UTC ML= 1.1  
 lat: 48.466N lon: 19.547E h= 0.0 km  
 erh= 4.1km erz= 897km  
 nr= 6 gap=175 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	52.7	273	Pg	9:54:49.33	0.12
			Sg	54:56.26	-0.29
PSZ	66.2	157	Pg	9:54:52.15	0.52
			Sg	54:59.83	-1.02
KECS	69.4	88	Pg	9:54:52.56	0.35
			Sg	55:01.03	-0.85

1021.

2020-09-01 time: 3:59:11.17 UTC ML= 1.4  
 lat: 48.738N lon: 19.620E h= 10.0 km  
 erh= 2.8km erz= 3.5km  
 nr= 13 gap=102 rms=0.86  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
LANS	47.2	346	PgU	3:59:20.49	0.70
			Sg	59:25.98	-0.53
VYHS	63.8	245	Pg	3:59:23.10	0.39
			Sg	59:30.43	-1.27
KECS	69.9	114	Pg	3:59:24.32	0.55
			Sg	59:32.34	-1.26
NIE	91.1	34	Pg	3:59:27.61	0.07
			Sg	59:37.93	-2.38

PSZ	93.4	167	Pg	3:59:28.60	0.66
			Sg	59:40.28	-0.74
PENC	108.3	193	Sn	3:59:44.05	-1.40
ABAH	129.4	112	Pn	3:59:34.09	1.03
			Sn	59:49.77	-0.36

1022.

2020-09-01 time: 7:57:21.68 UTC ML= 1.7  
 lat: 46.064N lon: 22.761E h= 0.0 km  
 erh= 2.0km erz= 3.6km  
 nr= 9 gap=154 rms=0.42  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	23.0	151	Pg	7:57:25.97	0.19
			Sg	57:28.69	-0.29
GZR	74.6	179	Pg	7:57:35.41	0.41
			Sg	57:44.85	-0.54
DRGR	80.9	357	Pg	7:57:35.61	-0.52
			Sg	57:47.66	0.26
BZS	101.9	241	Pg	7:57:40.33	0.46
			Sg	57:53.39	-0.67
BANR	147.5	239	Sn	7:58:07.06	0.13

1023.

2020-09-01 time: 8:09:13.00 UTC ML= 1.9  
 lat: 47.329N lon: 18.478E h= 0.0 km  
 erh= 2.4km erz= 3.5km  
 nr= 11 gap=116 rms=0.73  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.6	317	PgU	8:09:15.14	0.43
			Sg	09:15.56	-0.49
CSKK	16.8	283	Pg	8:09:16.57	0.56
			Sg	09:18.18	-0.17
MPLH	73.2	256	Sg	8:09:34.29	-1.97
MORH	124.4	174	Sg	8:09:52.35	-0.18
PKSM	124.8	174	Sg	8:09:52.46	-0.21
PSZ	125.1	58	Sg	8:09:51.64	-1.11
VYHS	132.3	12	Pn	8:09:37.16	0.63
			Sn	09:53.98	-0.90
KOVH	140.9	192	Sn	8:09:57.82	1.03

1024.

2020-09-01 time: 12:30:25.47 UTC ML= 1.5  
 lat: 47.943N lon: 20.125E h= 0.0 km  
 erh= 3.6km erz= 511km  
 nr= 6 gap=190 rms=0.35  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	17.5	261	Pg	12:30:28.96	0.37
			Sg	30:31.23	0.20
PENC	65.4	255	Pg	12:30:36.75	-0.39
ABAH	91.8	65	Pg	12:30:41.99	0.13
			Sg	30:54.77	0.12
VYHS	113.7	303	Sg	12:31:00.89	-0.74

1025.

2020-09-02 time: 8:01:46.20 UTC ML= 1.0  
 lat: 47.919N lon: 19.151E h= 0.0 km  
 erh= 4.7km erz= 839km  
 nr= 5 gap=194 rms=0.40  
 Locality: Réttság  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PENC	17.3	146	Pg	8:01:49.53	0.23
			Sg	01:51.26	-0.45
PSZ	55.6	90	Pg	8:01:56.50	0.37
			Sg	02:03.12	-0.75
VYHS	68.1	340	Sg	8:02:07.72	-0.12

1026.

2020-09-02 time: 8:16:22.80 UTC ML= 1.6  
 lat: 47.882N lon: 19.154E h= 0.0 km  
 erh= 1.4km erz= 294km  
 nr= 7 gap=204 rms=0.19  
 Locality: Nötincs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.0	137	Pg	8:16:25.35	0.05
			Sg	16:26.91	-0.33
PSZ	55.5	86	Pg	8:16:32.94	0.22
			Sg	16:40.12	-0.33
VYHS	72.0	341	Sg	8:16:45.51	-0.19
KECS	119.5	56	Pg	8:16:44.23	0.09
			Sg	17:00.85	0.07

1027.

2020-09-02 time: 9:33:47.61 UTC ML= 1.2  
 lat: 47.280N lon: 18.504E h= 0.0 km  
 erh= 3.4km erz= 4.6km  
 nr= 8 gap=119 rms=1.00  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	15.1	325	PgU	9:33:50.62	0.31
			Sg	33:51.25	-1.17
CSKK	20.6	297	Pg	9:33:52.28	0.99
			Sg	33:53.64	-0.53
MORH	118.8	175	Sg	9:34:25.17	-0.19
PSZ	126.4	56	Sg	9:34:29.28	1.50
KOVH	136.0	193	Sn	9:34:29.65	-0.67
VYHS	137.3	10	Sn	9:34:28.31	-2.28

1028.

2020-09-02 time: 9:36:46.61 UTC ML= 2.0  
 lat: 47.279N lon: 18.480E h= 0.0 km  
 erh= 3.8km erz= 6.9km  
 nr= 6 gap=125 rms=0.94  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	14.3	332	PgU	9:36:50.30	1.14
CSKK	19.0	299	Sg	9:36:51.78	-0.89
MORH	118.8	174	Sg	9:37:24.19	-0.20
PKSM	119.3	174	Sg	9:37:24.49	-0.03
PSZ	128.0	56	Sg	9:37:27.41	0.12
VYHS	137.7	11	Sn	9:37:27.91	-1.79

1029.

2020-09-02 time: 9:39:10.35 UTC ML= 1.0  
 lat: 47.383N lon: 18.458E h= 0.0 km  
 erh= 2.0km erz= 174km  
 nr= 5 gap=201 rms=0.08  
 Locality: Csákvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.2	281	Pg	9:39:11.35	0.08
			Sg	39:11.99	0.00
CSKK	15.1	262	Pg	9:39:13.06	0.02

sta	dist	azm	phase	hr mn sec	res
PSZ	123.3	61	Sg	9:39:49.48	-0.05

1030.

2020-09-02 time: 9:50:33.58 UTC ML= 1.2  
 lat: 48.591N lon: 20.767E h= 0.0 km  
 erh= 2.1km erz= 3.6km  
 nr= 9 gap= 91 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.9	240	Pg	9:50:38.16	0.30
			Sg	50:41.52	0.33
ABAH	47.9	133	Pg	9:50:41.62	-0.52
			Sg	50:49.46	0.64
NIE	97.9	340	Pg	9:50:51.36	0.30
PSZ	98.9	221	Pg	9:50:51.76	0.52
			Sg	51:04.22	-0.80
KOLS	117.1	71	Sg	9:51:09.94	-0.88
VYHS	142.9	266	Sn	9:51:17.22	-0.61

1031.

2020-09-02 time: 9:52:49.97 UTC ML= 0.9  
 lat: 47.257N lon: 18.297E h= 0.0 km  
 erh= 3.7km erz= 537km  
 nr= 6 gap=235 rms=0.31  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.1	347	Pg	9:52:51.86	-0.28
			Sg	52:53.92	0.09
PKSG	16.6	25	Pg	9:52:52.69	-0.25
			Sg	52:55.82	0.57
MPLH	58.2	260	Pg	9:53:00.71	0.35
			Sg	53:08.25	-0.21

1032.

2020-09-02 time: 12:32:14.17 UTC ML= 2.1  
 lat: 48.511N lon: 22.792E h= 0.0 km  
 erh= 2.6km erz= 2.8km  
 nr= 18 gap=153 rms=0.84  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TRPA	46.3	204	Pg	12:32:23.53	1.10
			Sg	32:29.56	0.69
KOLS	60.5	321	Pg	12:32:24.84	-0.14
			Sg	32:33.17	-0.24
BMR	107.0	151	Pg	12:32:32.57	-0.70
			Sg	32:47.02	-1.15
ABAH	117.4	258	Pg	12:32:35.48	0.35
			Sg	32:50.54	-0.94
KWP	124.8	357	Pg	12:32:35.68	-0.77
			Sg	32:56.06	2.23
STHS	151.7	312	Pn	12:32:39.50	-0.61
			Sn	33:00.38	0.03
KECS	170.5	269	Pn	12:32:43.61	1.15
			Sn	33:01.79	-2.73
DRGR	191.2	182	Pn	12:32:45.57	0.52
			Sn	33:09.32	0.19
NIE	207.7	299	Sn	12:33:12.18	-0.61
PSZ	225.2	253	Sn	12:33:16.75	0.08

## Földrengés paraméterek

## Hypocenter Parameters

1033.

2020-09-03 time: 1:59:10.04 UTC ML= 1.5  
 lat: 47.377N lon: 19.047E h= 12.6 km  
 erh= 1.9km erz= 1.6km  
 nr= 19 gap= 85 rms=0.63  
 Locality: Szigetszentmiklós  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BUD	12.0	352	Pg	1:59:13.10	-0.04
			Sg	59:15.11	-0.46
PKS7	37.6	167	Sg	1:59:22.54	-0.10
PENC	49.3	21	Sg	1:59:26.13	-0.07
PKSG	49.6	272	Sg	1:59:26.39	0.09
CSKK	59.4	269	Sg	1:59:29.42	0.08
PSZ	87.6	47	Pg	1:59:26.10	0.25
			Sg	59:37.40	-0.78
PKB5	90.1	195	Pg	1:59:26.49	0.21
			Sg	59:37.94	-1.00
PKB4	103.5	199	P*	1:59:29.12	0.77
			S*	59:41.68	-0.96
PKS9	105.5	214	Pn	1:59:29.54	0.93
			Sn	59:41.99	-1.11
PKB3	106.5	174	Sn	1:59:42.95	-0.39
MORH	132.7	193	Sn	1:59:49.03	-0.11
PKSM	133.1	193	Sn	1:59:49.03	-0.21
KOVH	160.5	207	Sn	1:59:57.98	2.67
AMBH	171.5	132	Sn	1:60:00.49	2.73

1034.

2020-09-03 time: 8:17:53.16 UTC ML= 1.9  
 lat: 46.148N lon: 21.575E h= 0.0 km  
 erh= 8.9km erz= 12.1km  
 nr= 7 gap=180 rms=1.24  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BZS	59.2	177	Pg	8:18:04.31	0.59
			Sg	18:11.24	-0.72
DRGR	112.9	51	Pg	8:18:14.76	1.45
			Sg	18:26.67	-2.36
GZR	125.6	132	Pg	8:18:16.26	0.67
			Sg	18:31.14	-1.95
FRGS	177.8	231	Sn	8:18:44.33	-0.80

1035.

2020-09-03 time: 8:30:20.46 UTC ML= 1.2  
 lat: 46.138N lon: 17.999E h= 0.0 km  
 erh= 1.5km erz= 2.7km  
 nr= 12 gap=198 rms=0.37  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	9.5	125	Pg	8:30:22.51	0.36
			Sg	30:23.81	0.33
PKSV	33.9	145	Pg	8:30:26.40	-0.11
			Sg	30:30.71	-0.52
PKSM	50.3	81	Pg	8:30:29.74	0.31
			Sg	30:36.07	-0.36
MORH	50.6	80	Pg	8:30:29.44	-0.05
			Sg	30:35.94	-0.59
PKS9	54.4	23	Sg	8:30:38.20	0.45
MPLH	120.1	343	Pg	8:30:42.22	0.32
			Sg	30:58.12	-0.51
PKSG	142.6	12	Sn	8:31:03.88	-0.75

1036.

2020-09-03 time: 8:41:43.16 UTC ML= 1.6  
 lat: 45.522N lon: 17.834E h= 0.0 km  
 erh= 7.0km erz= 7.8km  
 nr= 12 gap=241 rms=0.78  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	52.1	39	Pg	8:41:53.12	0.66
			Sg	42:00.55	0.84
KOVH	66.2	18	Pg	8:41:56.33	1.35
			Sg	42:03.76	-0.43
PKSM	99.0	39	Pg	8:42:00.65	-0.18
			Sg	42:14.02	-0.60
MORH	99.4	39	Pg	8:42:00.70	-0.22
			Sg	42:13.75	-1.02
PKB4	123.6	29	Sg	8:42:22.69	0.26
BEHE	133.5	322	Pn	8:42:06.22	-0.62
			Sn	42:22.76	-2.55
CREG	188.3	280	Sn	8:42:37.14	-0.33

1037.

2020-09-03 time: 9:05:28.58 UTC ML= 0.9  
 lat: 47.211N lon: 18.288E h= 0.0 km  
 erh= 2.2km erz= 653km  
 nr= 8 gap=145 rms=0.48  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.0	353	Pg	9:05:31.40	-0.22
			Sg	05:34.06	0.07
PKSG	21.5	21	Pg	9:05:32.46	0.04
			Sg	05:35.62	0.20
MPLH	56.9	265	Pg	9:05:39.64	0.89
			Sg	05:45.91	-0.77
MORH	113.9	166	Sg	9:06:04.19	-0.61
KOVH	125.7	187	Sg	9:06:08.30	-0.22

1038.

2020-09-03 time: 9:45:53.07 UTC ML= 1.1  
 lat: 47.995N lon: 16.083E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 7 gap=143 rms=0.79  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	18.1	246	Pg	9:45:56.78	0.48
			Sg	45:59.38	0.56
RONA	36.5	154	Pg	9:46:00.05	0.46
			Sg	46:04.49	-0.18
ARSA	92.8	207	Sg	9:46:20.56	-2.02
KRUC	120.9	11	Pg	9:46:14.82	0.17
			Sg	46:30.02	-1.47

1039.

2020-09-03 time: 9:56:28.11 UTC ML= 1.5  
 lat: 47.007N lon: 17.818E h= 0.0 km  
 erh= 2.0km erz= 798km  
 nr= 12 gap= 99 rms=0.65  
 Locality: Hidegkút  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	13.1	154	Pg	9:56:31.02	0.57
MPLH	27.9	311	Pg	9:56:32.91	-0.18
			Sg	56:36.27	-0.71
CSKK	51.9	40	Pg	9:56:37.80	0.42

## Hypocenter Parameters

## Földrengés paraméterek

Sg 56:43.54 -1.07  
 PKSG 61.0 45 Sg 9:56:48.38 0.90  
 BEHE 99.5 233 Sg 9:57:00.65 0.90  
 KOVH 104.3 168 Sg 9:57:00.46 -0.81  
 MORH 108.3 144 Pg 9:56:47.34 -0.11  
 Sg 57:01.46 -1.07  
 PKSM 108.5 144 Pg 9:56:48.04 0.55  
 Sg 57:01.76 -0.85

1040.

2020-09-03 time: 9:59:56.44 UTC ML= 1.6  
 lat: 48.161N lon: 16.859E h= 0.0 km  
 erh= 2.5km erz= 2.7km  
 nr= 14 gap=156 rms=0.64  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.5	78	Pg	10:00:00.05	0.30
			Sg	00:02.31	-0.02
MODS	39.0	53	Pg	10:00:03.72	0.31
			Sg	00:08.14	-0.71
SMOL	57.6	47	Sg	10:00:14.50	-0.26
RONA	66.3	219	Pg	10:00:08.95	0.66
			Sg	00:16.99	-0.54
CONA	78.7	251	Sg	10:00:21.00	-0.46
A338	112.5	98	Sg	10:00:30.48	-1.71
MPLH	121.5	155	Sg	10:00:34.60	-0.46
ARSA	142.5	225	Pn	10:00:21.41	0.17
			Sn	00:39.57	-1.02
VYHS	151.2	76	Pn	10:00:23.55	1.22
			Sn	00:42.13	-0.40

1041.

2020-09-03 time: 10:03:24.98 UTC ML= 1.5  
 lat: 48.253N lon: 21.249E h= 0.0 km  
 erh= 2.7km erz= 504km  
 nr= 5 gap=196 rms=0.23  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	4.8	352	Pg	10:03:25.50	-0.34
			Sg	03:26.80	0.29
KECS	62.1	294	Pg	10:03:36.23	0.17
			Sg	03:44.68	-0.02
TRPA	96.9	98	Sg	10:03:55.82	0.04

1042.

2020-09-03 time: 11:49:42.66 UTC ML= 1.5  
 lat: 48.343N lon: 19.847E h= 0.0 km  
 erh= 2.6km erz= 951km  
 nr= 10 gap=107 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	47.3	176	Pg	11:49:51.33	0.22
			Sg	49:57.86	0.16
KECS	49.8	72	Pg	11:49:51.23	-0.32
			Sg	49:58.16	-0.33
VYHS	76.7	283	Sg	11:50:05.79	-1.24
LANS	94.1	343	Pg	11:50:00.57	1.11
			Sg	50:12.62	0.06
ABAH	103.4	93	Sg	11:50:14.83	-0.70
NIE	124.5	16	Pg	11:50:05.49	0.60
			Sg	50:20.25	-1.97

1043.

2020-09-04 time: 8:29:33.18 UTC ML= 1.4  
 lat: 48.877N lon: 21.009E h= 0.0 km  
 erh= 2.6km erz= 396km  
 nr= 5 gap=225 rms=0.20  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	58.4	221	Pg	8:29:43.69	0.09
			Sg	29:51.62	-0.11
ABAH	66.8	165	Pg	8:29:45.34	0.23
			Sg	29:54.13	-0.29
KOLS	92.9	86	Sg	8:30:02.46	-0.24

1044.

2020-09-04 time: 8:47:13.07 UTC ML= 1.2  
 lat: 47.556N lon: 18.472E h= 0.0 km  
 erh= 3.5km erz= 4.9km  
 nr= 10 gap=106 rms=0.97  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	19.2	199	Pg	8:47:16.72	0.22
			Sg	47:19.99	0.81
CSKK	26.7	217	Pg	8:47:17.93	0.10
			Sg	47:21.94	0.39
SRO	31.0	337	Sg	8:47:25.46	2.54
VYHS	107.8	15	Sg	8:47:46.20	-1.13
PSZ	114.1	69	Sg	8:47:49.72	0.40
MODS	127.4	316	Sg	8:47:51.68	-1.88
MORH	149.5	175	Sn	8:47:57.95	-0.82
PKSM	150.0	175	Sn	8:47:57.85	-1.02

1045.

2020-09-04 time: 8:54:31.68 UTC ML= 1.3  
 lat: 46.174N lon: 18.283E h= 0.0 km  
 erh= 1.3km erz= 253km  
 nr= 8 gap=205 rms=0.18  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.1	236	Pg	8:54:34.71	-0.02
			Sg	54:37.52	0.41
PKSM	28.0	81	Pg	8:54:36.58	-0.09
			Sg	54:40.63	0.06
MORH	28.2	81	Pg	8:54:36.61	-0.11
			Sg	54:41.33	0.67
PKSV	31.9	184	Pg	8:54:37.28	-0.09
			Sg	54:41.74	-0.06

1046.

2020-09-04 time: 9:39:26.07 UTC ML= 1.3  
 lat: 47.243N lon: 18.254E h= 0.0 km  
 erh= 7.6km erz= 8.7km  
 nr= 14 gap=107 rms=2.74  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.4	2	Pg	9:39:30.10	1.64
			Sg	39:32.31	1.98
PKSG	19.5	32	Pg	9:39:31.66	2.10
			Sg	39:34.57	2.29
MPLH	54.7	262	Sg	9:39:45.22	1.74
MORH	118.0	165	Pg	9:39:47.94	0.80
			Sg	40:03.10	-0.48
PKSM	118.4	166	Sg	9:40:03.10	-0.60

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr	mn	sec	res
KOVH	128.9	185	Sg	9:40:06.78		-0.26	
PSZ	144.5	59	Sn	9:40:11.00		0.34	
MODS	145.5	330	Sn	9:40:10.04		-0.84	
VYHS	145.8	17	Sn	9:40:11.06		0.11	
STHS	328.0	43	e n	9:40:04.20		-9.80	
KOLS	353.5	58	e n	9:40:11.40		-5.79	

1047.

2020-09-04 time: 10:44:38.72 UTC ML= 1.8  
 lat: 46.929N lon: 22.882E h= 0.0 km  
 erh= 8.5km erz= 3.8km  
 nr= 6 gap=322 rms=0.50  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	20.1	221	Pg	10:44:42.87		0.57	
			Sg	44:44.98		-0.12	
GZR	170.9	183	Pn	10:45:07.41		0.35	
			Sn	45:28.50		-0.66	
BZS	175.5	214	Pn	10:45:06.96		-0.67	
			Sn	45:29.81		-0.37	

1048.

2020-09-04 time: 11:13:16.86 UTC ML= 1.6  
 lat: 47.845N lon: 16.027E h= 0.0 km  
 erh= 1.6km erz= 3.0km  
 nr= 11 gap=111 rms=0.47  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.4	307	Pg	11:13:19.60		-0.01	
			Sg	13:21.51		-0.25	
RONA	25.9	129	Pg	11:13:21.45		-0.04	
			Sg	13:24.92		-0.18	
ARSA	76.2	210	Sg	11:13:40.54		-0.55	
MODS	110.1	58	Pg	11:13:36.94		0.41	
			Sg	13:51.68		-0.19	
MOA	131.8	270	Pn	11:13:40.00		-0.33	
			Sn	13:56.16		-2.47	
KBA	219.5	247	Pn	11:13:52.34		1.08	
			Sn	14:19.05		0.96	

1049.

2020-09-05 time: 1:58:34.12 UTC ML= 0.6  
 lat: 47.658N lon: 16.165E h= 6.2 km  
 erh= 1.9km erz= 5.8km  
 nr= 8 gap=142 rms=0.34  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	10.9	65	Pg	1:58:36.70		0.34	
			Sg	58:38.02		-0.08	
SOP	29.7	85	Pg	1:58:39.68		0.15	
			Sg	58:42.64		-1.11	
CONA	37.7	323	Pg	1:58:41.02		0.08	
			Sg	58:45.79		-0.48	
ARSA	66.3	227	Pg	1:58:46.18		0.17	
			Sg	58:54.84		-0.44	

1050.

2020-09-05 time: 18:51:37.70 UTC ML= 2.2  
 lat: 48.417N lon: 22.670E h= 11.1 km  
 erh= 3.4km erz= 2.2km  
 nr= 20 gap=170 rms=0.90  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	33.4	197	PgU	18:51:44.60		0.62	
			Sg	51:49.24		0.36	
KOLS	64.4	333	Pg	18:51:49.10		-0.27	
			Sg	51:57.36		-1.10	
BMR	103.2	143	P*	18:51:55.56		-0.55	
			S*	52:08.37		-2.10	
ABAH	106.9	263	Pn	18:51:55.99		-0.66	
			Sn	52:09.31		-2.11	
LTVH	128.4	207	Pn	18:51:59.92		0.59	
STHS	152.6	317	Pn	18:52:03.38		1.04	
			Sn	52:22.15		0.59	
KECS	161.8	273	Pn	18:52:03.49		0.00	
			Sn	52:24.90		1.30	
DRGR	180.8	179	Pn	18:52:06.42		0.56	
			Sn	52:28.93		1.11	
NIE	205.5	303	Pn	18:52:09.98		1.03	
			Sn	52:33.31		-0.01	
PSZ	213.8	255	Pn	18:52:09.80		-0.18	
			Sn	52:40.47		5.32*	
BSZH	218.6	235	Sn	18:52:43.23		7.01*	
VYHS	283.7	272	Pn	18:52:18.47		-0.23	

1051.

2020-09-07 time: 6:24:07.34 UTC ML= 1.6  
 lat: 48.268N lon: 21.505E h= 0.0 km  
 erh= 3.3km erz= 5.7km  
 nr= 11 gap=101 rms=0.96  
 Locality: Szarazsadány  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	20.0	279	Sg	6:24:14.52		0.83	
TRPA	78.4	101	Pg	6:24:22.39		1.06	
			Sg	24:32.53		0.28	
KECS	79.2	288	Sg	6:24:32.34		-0.19	
KOLS	93.2	37	Pg	6:24:23.88		-0.10	
			Sg	24:35.62		-1.34	
PSZ	126.1	252	Sg	6:24:46.35		-1.08	
STHS	129.2	351	Pg	6:24:30.74		0.33	
			Sg	24:46.74		-1.67	
NIE	155.1	326	Sn	6:24:55.63		1.35	
DRGR	187.6	151	Sn	6:24:59.03		-2.46	

1052.

2020-09-07 time: 6:35:33.45 UTC ML= 2.0  
 lat: 46.018N lon: 22.766E h= 0.0 km  
 erh= 1.0km erz= 338km  
 nr= 10 gap=114 rms=0.27  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	18.4	145	Pg	6:35:36.40		-0.33	
			Sg	35:39.31		0.02	
GZR	69.5	179	Pg	6:35:46.14		0.29	
			Sg	35:55.08		-0.44	
DRGR	86.1	357	Pg	6:35:48.75		-0.07	
			Sg	35:58.89		-1.92*	
BZS	99.8	243	Pg	6:35:51.26		-0.01	
			Sg	36:05.32		0.14	
CJR	100.4	40	Pg	6:35:51.66		0.29	
			Sg	36:05.42		0.07	

1053.

2020-09-07 time: 7:52:35.20 UTC ML= 1.3  
 lat: 48.782N lon: 19.453E h= 0.0 km  
 erh= 1.7km erz= 3.3km  
 nr= 8 gap=127 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
LANS	41.0	1	Pg	7:52:43.12	0.60
			Sg	52:47.89	-0.34
VYHS	55.6	235	Sg	7:52:52.46	-0.43
KECS	83.0	114	Sg	7:53:01.95	0.35
NIE	94.6	42	Pg	7:52:52.16	0.05
			Sg	53:04.61	-0.68
PSZ	101.5	161	Sg	7:53:07.63	0.17
ABAH	142.6	112	Sn	7:53:18.87	-0.49

1054.

2020-09-07 time: 7:53:23.66 UTC ML= 1.4  
 lat: 48.804N lon: 19.442E h= 0.0 km  
 erh= 2.6km erz= 6.1km  
 nr= 11 gap=130 rms=0.83  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	38.6	3	Pg	7:53:30.62	0.07
			Sg	53:35.54	-0.39
VYHS	56.4	232	Pg	7:53:34.03	0.30
			Sg	53:40.86	-0.72
KECS	84.7	115	Pg	7:53:40.20	1.41
			Sg	53:49.89	-0.70
NIE	93.4	43	Sg	7:53:52.61	-0.73
PSZ	104.0	161	Pg	7:53:43.17	0.95
			Sg	53:56.02	-0.68
PENC	113.3	186	Sg	7:53:58.64	-1.02
ABAH	144.2	113	Sn	7:54:06.86	-1.32

1055.

2020-09-07 time: 9:09:38.82 UTC ML= 1.0  
 lat: 47.250N lon: 17.976E h= 0.0 km  
 erh= 2.2km erz= 4.9km  
 nr= 8 gap=128 rms=1.16  
 Locality: Bakonyháza  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	25.0	60	Pg	9:09:43.26	-0.02
			Sg	09:46.44	-0.32
MPLH	34.2	255	Pg	9:09:46.07	1.14
			Sg	09:51.03	1.34
PKSG	35.1	63	Sg	9:09:50.36	0.37
MORH	125.8	156	Sg	9:10:18.39	-0.42
KOVH	129.5	176	Sg	9:10:17.86	-2.12
RONA	136.1	292	Sn	9:10:18.79	-2.76

1056.

2020-09-07 time: 9:21:29.31 UTC ML= 1.4  
 lat: 45.957N lon: 22.764E h= 0.0 km  
 erh= 1.8km erz= 521km  
 nr= 7 gap=130 rms=0.35  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	13.6	127	Pg	9:21:31.34	-0.40
			Sg	21:33.75	0.11
GZR	62.7	179	Pg	9:21:40.78	0.27
			Sg	21:49.82	0.58
DRGR	92.8	358	Pg	9:21:45.60	-0.29
			Sg	21:59.26	0.44
BZS	96.9	247	Sg	9:21:59.86	-0.25

1057.

2020-09-07 time: 9:39:25.78 UTC ML= 1.8  
 lat: 45.654N lon: 17.311E h= 8.9 km  
 erh= 2.2km erz= 1.9km  
 nr= 14 gap=115 rms=0.48  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	77.7	70	Pg	9:39:40.46	0.71
			Sg	39:50.46	-0.19
KOVH	78.0	52	Pg	9:39:39.86	0.06
			Sg	39:49.94	-0.80
BLY	101.1	186	Sg	9:39:57.23	-0.80
PTJ	108.7	285	Pn	9:39:45.03	-0.20
			Sn	39:58.59	-1.82
PKSM	120.4	59	Pn	9:39:46.69	0.00
			Sn	40:03.04	0.05
KOGS	120.6	317	Sn	9:40:02.87	-0.16
MORH	120.8	59	Pn	9:39:46.78	0.04
			Sn	40:02.87	-0.22
CRES	145.6	278	Pn	9:39:50.59	0.76
			Sn	40:08.86	0.28

1058.

2020-09-07 time: 9:40:04.17 UTC ML= 1.8  
 lat: 45.627N lon: 17.349E h= 8.9 km  
 erh= 3.0km erz= 1.6km  
 nr= 14 gap=211 rms=0.45  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	76.0	68	Pg	9:40:17.73	-0.11
			Sg	40:28.00	-0.51
KOVH	77.6	49	Pg	9:40:18.17	0.04
			Sg	40:28.89	-0.12
BEHE	103.7	335	Pg	9:40:23.37	0.62
PTJ	112.4	286	Pn	9:40:23.42	-0.66
			Sn	40:37.58	-2.03
PKSM	119.5	57	Pn	9:40:25.48	0.51
			Sn	40:40.69	-0.50
MORH	119.9	57	Pn	9:40:24.88	-0.14
			Sn	40:41.38	0.09
KOGS	124.7	317	Sn	9:40:42.58	0.22
CRES	148.9	279	Pn	9:40:29.27	0.63
			Sn	40:47.27	-0.46

1059.

2020-09-08 time: 1:36:25.50 UTC ML= 1.2  
 lat: 48.755N lon: 19.302E h= 0.8 km  
 erh= 1.9km erz= 4.1km  
 nr= 11 gap=145 rms=0.53  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
VYHS	44.9	230	Pg	1:36:33.60	0.07
			Sg	36:38.75	-1.04
LANS	45.7	15	Pg	1:36:33.93	0.27
			Sg	36:39.55	-0.47
KECS	92.3	109	Pg	1:36:42.37	0.38
			Sg	36:53.97	-0.87
PSZ	102.8	155	Pg	1:36:44.50	0.64
			Sg	36:57.68	-0.50
NIE	104.5	45	Pg	1:36:44.30	0.15
			Sg	36:57.83	-0.87
ABAH	151.9	110	Sn	1:37:12.14	0.58

## Földrengés paraméterek

## Hypocenter Parameters

1060.

2020-09-08 time: 6:58:05.51 UTC ML= 1.9  
 lat: 48.410N lon: 18.640E h= 0.0 km  
 erh= 2.0km erz= 3.1km  
 nr= 21 gap= 64 rms=0.93  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	17.3	57	Pg	6:58:09.05	0.45
			Sg	58:10.76	-0.25
A338	48.8	206	Pg	6:58:15.16	0.93
			Sg	58:21.42	0.40
PENC	83.8	145	Pg	6:58:21.49	1.01
			Sg	58:31.44	-0.72
MODS	101.0	268	Pg	6:58:24.75	1.21
			Sg	58:36.20	-1.41
LANS	102.4	36	Pg	6:58:24.54	0.74
PSZ	108.2	120	Pg	6:58:24.82	-0.01
			Sg	58:38.06	-1.83
PKSG	114.7	189	Sg	6:58:41.02	-0.95
ZST	116.5	258	Sg	6:58:41.12	-1.42
CSKK	119.8	194	Sg	6:58:42.43	-1.15
KECS	136.8	87	Pn	6:58:29.62	0.01
			Sn	58:46.75	-1.65
MORC	171.9	332	Pn	6:58:33.79	-0.19
			Sn	58:53.78	-2.40
RONA	191.7	246	Sn	6:59:01.32	0.74
CONA	213.5	255	Pn	6:58:39.34	0.18
			Sn	59:04.87	-0.54

1061.

2020-09-08 time: 7:52:10.92 UTC ML= 1.9  
 lat: 47.338N lon: 18.426E h= 0.0 km  
 erh= 1.9km erz= 2.8km  
 nr= 13 gap=113 rms=0.75  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.6	336	PgU	7:52:12.18	0.08
			Sg	52:12.79	-0.23
CSKK	12.8	283	Pg	7:52:13.54	0.33
			Sg	52:14.66	-0.33
MPLH	69.6	254	Sg	7:52:33.72	0.67
PENC	81.8	52	Pg	7:52:26.24	0.72
			Sg	52:38.39	1.48
MORH	125.8	172	Sg	7:52:50.46	-0.46
PKSM	126.2	173	Sg	7:52:49.54	-1.51
PSZ	127.9	60	Sg	7:52:50.74	-0.84
VYHS	132.2	13	Sn	7:52:51.05	-1.73
KOVH	141.1	190	Sn	7:52:54.96	0.20
MODS	143.7	323	Sn	7:52:54.76	-0.58

1062.

2020-09-08 time: 8:35:41.49 UTC ML= 1.8  
 lat: 47.945N lon: 20.090E h= 0.0 km  
 erh= 5.7km erz= 835km  
 nr= 7 gap=228 rms=0.62  
 Locality: Mátraderecske  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	14.9	258	Pg	8:35:44.56	0.40
			Sg	35:47.07	0.83
PENC	62.9	254	Pg	8:35:52.64	-0.08
			Sg	36:00.53	-0.95
KECS	66.6	26	Sg	8:36:02.53	-0.13
VYHS	111.4	303	Pg	8:36:01.68	0.30
			Sg	36:15.34	-1.55

1063.

2020-09-08 time: 9:04:29.41 UTC ML= 1.1  
 lat: 47.585N lon: 16.350E h= 0.0 km  
 erh= 2.2km erz= 2.7km  
 nr= 12 gap=152 rms=0.61  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	13.3	342	Pg	9:04:32.37	0.58
			Sg	04:34.33	0.68
SOP	19.0	55	Pg	9:04:33.27	0.46
			Sg	04:35.88	0.42
CONA	52.9	316	Pg	9:04:39.04	0.19
			Sg	04:45.52	-0.70
ARSA	72.7	239	Sg	9:04:51.90	-0.62
MODS	111.7	38	Sg	9:05:03.50	-1.41
GROS	140.7	207	Sn	9:05:12.53	-0.63
SOKA	142.0	225	Sn	9:05:13.64	0.18
KRUC	164.2	1	Pn	9:04:56.77	-0.15
			Sn	05:17.05	-1.32

1064.

2020-09-08 time: 9:37:01.97 UTC ML= 1.8  
 lat: 47.314N lon: 18.456E h= 0.0 km  
 erh= 1.5km erz= 4.0km  
 nr= 8 gap=117 rms=0.50  
 Locality: Pátka  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.0	330	PgU	9:37:03.92	0.16
			Sg	37:04.38	-0.78
CSKK	15.8	290	PgU	9:37:05.20	0.41
			Sg	37:06.76	-0.24
MORH	122.9	173	Sg	9:37:40.98	-0.05
PKSM	123.3	173	Sg	9:37:41.18	0.02
PSZ	127.3	58	Sg	9:37:42.99	0.55
VYHS	134.3	12	Sn	9:37:42.69	-1.60

1065.

2020-09-08 time: 10:02:11.66 UTC ML= 1.6  
 lat: 48.154N lon: 16.898E h= 0.0 km  
 erh= 1.6km erz= 2.4km  
 nr= 16 gap= 88 rms=0.57  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.9	73	Pg	10:02:14.52	0.02
			Sg	02:16.51	-0.21
MODS	37.3	49	Pg	10:02:18.22	-0.10
			Sg	02:22.84	-0.67
SOP	58.1	206	Sg	10:02:30.17	0.03
RONA	67.6	222	Pg	10:02:23.84	0.11
			Sg	02:31.77	-1.38
CONA	81.2	252	Pg	10:02:26.78	0.62
			Sg	02:37.01	-0.47
KRUC	107.6	340	Pg	10:02:31.17	0.30
			Sg	02:45.03	-0.82
MPLH	119.5	156	Sg	10:02:49.10	-0.55
ARSA	144.0	226	Pn	10:02:37.36	0.71
			Sn	02:55.12	-1.02
VYHS	148.6	75	Pn	10:02:38.25	1.02
			Sn	02:56.93	-0.24

## Hypocenter Parameters

## Földrengés paraméterek

1066.

2020-09-08 time: 10:03:09.73 UTC ML= 1.5  
 lat: 48.368N lon: 18.243E h= 0.0 km  
 erh= 1.5km erz= 2.6km  
 nr= 12 gap= 83 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
A338	40.1	168	Sg	10:03:22.78			0.31
VYHS	46.1	72	Pg	10:03:18.43			0.48
			Sg	03:24.33			-0.04
MODS	71.6	270	Pg	10:03:23.23			0.72
			Sg	03:32.47			-0.01
ZST	86.8	257	Sg	10:03:36.78			-0.54
PENC	100.6	130	Sg	10:03:42.11			0.42
PKSG	109.1	174	Sg	10:03:43.01			-1.40
LANS	125.2	46	Sg	10:03:49.24			-0.28
PSZ	132.7	112	Sn	10:03:50.64			-1.05
MORC	164.8	342	Pn	10:03:37.49			0.18
			Sn	03:57.57			-1.26

1067.

2020-09-08 time: 10:08:30.89 UTC ML= 1.2  
 lat: 47.893N lon: 19.167E h= 0.0 km  
 erh= 6.2km erz= \*\*\*km  
 nr= 5 gap=197 rms=0.50  
 Locality: Felsőpetény  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	14.2	143	Pg	10:08:33.04			-0.39
			Sg	08:35.80			0.38
PSZ	54.5	87	Pg	10:08:41.22			0.60
			Sg	08:47.40			-0.81
VYHS	71.2	340	Sg	10:08:53.52			-0.02

1068.

2020-09-08 time: 14:01:22.15 UTC ML= 1.2  
 lat: 47.923N lon: 16.430E h= 0.0 km  
 erh= 2.2km erz= 807km  
 nr= 8 gap= 88 rms=0.57  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	26.8	202	Pg	14:01:26.96			0.02
			Sg	01:30.57			-0.11
SOP	28.4	160	Sg	14:01:31.51			0.34
CONA	42.5	271	Sg	14:01:36.14			0.49
MODS	80.5	52	Sg	14:01:48.85			1.10
MPLH	118.3	135	Sg	14:01:58.91			-0.84
KRUC	126.6	359	Pg	14:01:44.67			-0.10
			Sg	02:01.20			-1.20

1069.

2020-09-08 time: 23:41:40.48 UTC ML= 1.1  
 lat: 47.914N lon: 16.434E h= 18.5 km  
 erh= 9.7km erz= 8.9km  
 nr= 7 gap=136 rms=0.66  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	26.0	203	Pg	23:41:46.79			0.62
			Sg	41:49.71			-0.90
SOP	27.3	160	Sg	23:41:51.14			0.19
CONA	42.8	272	Pg	23:41:48.41			-0.40
EGYH	87.2	129	P*	23:41:55.52			-0.23
SMOL	99.6	48	Pn	23:41:58.46			0.90

A337 107.5 70 Sn 23:42:11.51 -1.14

1070.

2020-09-09 time: 7:40:35.22 UTC ML= 1.5  
 lat: 48.121N lon: 21.338E h= 0.0 km  
 erh= 2.3km erz= 685km  
 nr= 9 gap=169 rms=0.52  
 Locality: Tarcál  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	20.8	339	Pg	7:40:39.11			0.17
			Sg	40:42.22			0.38
KECS	75.0	303	Sg	7:40:58.65			-0.41
TRPA	89.4	89	Pg	7:40:50.76			-0.43
			Sg	41:03.61			-0.04
PSZ	110.0	258	Pg	7:40:55.14			0.28
			Sg	41:09.53			-0.66
KOLS	113.7	37	Pg	7:40:56.34			0.81
			Sg	41:10.34			-1.03

1071.

2020-09-09 time: 8:30:50.75 UTC ML= 1.6  
 lat: 48.034N lon: 20.681E h= 0.0 km  
 erh= 5.5km erz= \*\*\*km  
 nr= 5 gap=203 rms=0.49  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	50.8	55	Pg	8:30:59.93			0.11
			Sg	31:06.81			-0.08
KECS	52.0	344	Pg	8:31:00.64			0.60
			Sg	31:06.56			-0.72
PSZ	60.1	258	Sg	8:31:09.17			-0.67

1072.

2020-09-09 time: 9:06:31.54 UTC ML= 0.8  
 lat: 46.172N lon: 18.320E h= 0.0 km  
 erh= 1.6km erz= 400km  
 nr= 9 gap=150 rms=0.30  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	19.4	241	Pg	9:06:35.09			0.08
			Sg	06:37.80			0.09
PKSM	25.2	80	Pg	9:06:36.35			0.31
			Sg	06:39.01			-0.54
MORH	25.5	79	Pg	9:06:36.45			0.35
			Sg	06:39.41			-0.24
PKSV	31.9	189	Pg	9:06:37.20			-0.05
			Sg	06:41.47			-0.22
PKB4	42.2	31	Sg	9:06:44.29			-0.66

1073.

2020-09-09 time: 9:23:07.18 UTC ML= 1.8  
 lat: 48.360N lon: 19.041E h= 0.0 km  
 erh= 3.2km erz= 4.1km  
 nr= 12 gap=110 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	21.3	315	Pg	9:23:12.37			1.38
			Sg	23:14.59			0.63
PSZ	80.2	128	Sg	9:23:33.19			0.50
LANS	93.4	20	Pg	9:23:23.52			-0.34
			Sg	23:36.18			-0.69
KECS	107.8	83	Pg	9:23:26.66			0.23



## Földrengés paraméterek

## Hypocenter Parameters

Sg 23:40.44 -1.00  
 PKSG 118.1 204 Sg 9:23:42.10 -2.62  
 NIE 150.3 38 Pn 9:23:33.51 0.56  
 Sn 23:52.29 -0.76  
 MORC 191.9 325 Pn 9:23:38.10 -0.05  
 Sn 24:00.46 -1.84

1074.

2020-09-09 time: 9:44:45.40 UTC ML= 0.8  
 lat: 47.161N lon: 18.407E h= 0.0 km  
 erh= 5.0km erz= \*\*\*km  
 nr= 6 gap=173 rms=0.69  
 Locality: Sárszentmihály  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	25.0	334	Pg	9:44:49.89	0.02
			Sg	44:51.22	-2.14
PKSG	25.7	357	Pg	9:44:50.49	0.51
			Sg	44:54.07	0.51
MPLH	65.8	271	Sg	9:45:06.41	0.10
MORH	106.6	170	Sg	9:45:18.83	-0.47

1075.

2020-09-09 time: 10:07:01.29 UTC ML= 1.6  
 lat: 48.618N lon: 20.775E h= 0.0 km  
 erh= 1.7km erz= 2.3km  
 nr= 16 gap= 84 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.1	235	Pg	10:07:06.36	0.41
			Sg	07:09.18	-0.41
ABAH	49.6	136	Pg	10:07:10.33	0.18
			Sg	07:17.11	0.06
STHS	95.2	21	Pg	10:07:18.59	0.30
NIE	95.3	339	Pg	10:07:19.22	0.92
			Sg	07:30.45	-1.12
PSZ	101.6	220	Pg	10:07:19.42	-0.02
			Sg	07:32.92	-0.67
LANS	112.7	302	Pg	10:07:21.93	0.51
			Sg	07:35.94	-1.18
KOLS	115.5	72	Sg	10:07:37.53	-0.49
TRPA	141.5	113	Sn	10:07:43.62	-1.59
VYHS	143.8	265	Pn	10:07:26.80	0.54
			Sn	07:44.62	-1.11
PENC	144.2	230	Sn	10:07:45.79	-0.02

1076.

2020-09-09 time: 22:04:40.58 UTC ML= 0.5  
 lat: 45.807N lon: 18.457E h= 7.6 km  
 erh= 1.4km erz= 3.2km  
 nr= 8 gap=282 rms=0.12  
 Locality: Beremend  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	18.3	300	Pg	22:04:43.88	-0.24
			Sg	04:47.04	0.17
KOVH	41.7	318	Pg	22:04:48.30	0.14
			Sg	04:54.02	-0.05
PKSM	47.2	18	Pg	22:04:49.10	-0.01
			Sg	04:55.78	0.02
MORH	47.7	18	Pg	22:04:49.25	0.05
			Sg	04:55.83	-0.09

1077.

2020-09-10 time: 7:21:31.11 UTC ML= 1.1  
 lat: 47.124N lon: 17.867E h= 0.0 km  
 erh= 4.7km erz= \*\*\*km  
 nr= 9 gap=106 rms=1.51  
 Locality: Márkó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	24.9	175	Sg	7:21:41.23	2.20
MPLH	25.4	282	Pg	7:21:36.26	0.62
			Sg	21:39.27	0.09
CSKK	40.0	48	Sg	7:21:45.10	1.29
PKSG	49.6	53	Sg	7:21:48.16	1.29
KOVH	116.4	171	Sg	7:22:06.74	-1.38
MORH	117.1	149	Sg	7:22:07.64	-0.69
PKSM	117.4	150	Sg	7:22:05.53	-2.89
A337	124.8	357	Sg	7:22:08.55	-2.21

1078.

2020-09-10 time: 8:27:14.14 UTC ML= 1.5  
 lat: 47.846N lon: 19.096E h= 0.0 km  
 erh= 5.9km erz= 766km  
 nr= 6 gap=212 rms=0.46  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	15.2	114	Pg	8:27:17.25	0.38
			Sg	27:19.16	0.17
PSZ	60.3	82	Pg	8:27:25.14	0.23
			Sg	27:32.52	-0.78
PKST	103.2	231	Pg	8:27:32.62	0.05
			Sg	27:45.87	-1.07

1079.

2020-09-10 time: 8:49:05.72 UTC ML= 2.0  
 lat: 48.233N lon: 21.251E h= 0.0 km  
 erh= 1.6km erz= 2.5km  
 nr= 15 gap= 98 rms=0.59  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.0	353	Pg	8:49:06.92	-0.05
			Sg	49:07.70	-0.25
KECS	63.2	296	Pg	8:49:16.66	-0.34
			Sg	49:24.60	-1.19
TRPA	96.5	97	Pg	8:49:22.41	-0.53
			Sg	49:35.46	-0.92
LTVH	106.1	153	Sg	8:49:40.08	0.63
PSZ	107.0	251	Pg	8:49:25.00	0.18
			Sg	49:39.66	-0.06
KOLS	108.4	44	ePg	8:49:25.40	0.33
			eSg	49:41.10	0.94
STHS	131.6	360	ePn	8:49:29.90	0.74
NIE	148.7	332	Pn	8:49:32.53	1.23
			Sn	49:50.82	-0.43
LANS	166.3	308	Sn	8:49:55.29	0.15

1080.

2020-09-10 time: 9:20:46.59 UTC ML= 0.8  
 lat: 47.228N lon: 18.242E h= 0.0 km  
 erh= 3.0km erz= 397km  
 nr= 7 gap=231 rms=0.27  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.1	5	Pg	9:20:49.54	0.25

## Hypocenter Parameters

		Sg	20:51.33	-0.07
PKST	16.1 283	Pg	9:20:49.72	0.26
		Sg	20:51.88	0.18
PKSG	21.5 32	Pg	9:20:50.27	-0.15
		Sg	20:52.98	-0.43
MPLH	53.6 263	Sg	9:21:03.15	-0.47

1081.

2020-09-10 time: 10:17:33.72 UTC ML= 1.4  
 lat: 48.895N lon: 20.647E h= 0.0 km  
 erh= 3.2km erz= 852km  
 nr= 8 gap=158 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.3	195	Pg	10:17:42.66	0.50
			Sg	17:48.61	-0.14
NIE	63.2	337	Sg	10:17:53.76	-0.03
STHS	72.5	37	Pg	10:17:46.43	-0.24
LANS	90.8	288	Pg	10:17:50.82	0.89
			Sg	18:01.84	-0.74
PSZ	122.0	207	Pg	10:17:55.29	-0.22
			Sg	18:10.93	-1.58

1082.

2020-09-10 time: 10:20:07.28 UTC ML= 1.6  
 lat: 48.510N lon: 19.515E h= 0.0 km  
 erh= 4.8km erz= 633km  
 nr= 6 gap=233 rms=0.39  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	71.6	157	Pg	10:20:20.00	-0.07
			Sg	20:29.66	-0.38
KECS	71.8	92	Pg	10:20:20.40	0.30
			Sg	20:30.17	0.07
NIE	116.7	30	Sg	10:20:42.84	-1.54
ABAH	129.9	101	Pg	10:20:30.68	0.21

1083.

2020-09-10 time: 22:35:31.45 UTC ML= 1.3  
 lat: 48.764N lon: 21.961E h= 10.0 km  
 erh= 2.3km erz=13.1km  
 nr= 8 gap= 98 rms=0.46  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOLS	29.6	51	Pg	22:35:37.12	0.09
			Sg	35:41.72	0.33
ABAH	74.5	226	Pg	22:35:45.45	0.58
			Sg	35:54.84	-0.49
TRPA	82.4	149	Pg	22:35:46.15	-0.12
			Sg	35:57.63	-0.20
STHS	89.6	324	Pg	22:35:46.81	-0.73
			Sg	36:00.79	0.70

1084.

2020-09-11 time: 9:19:42.49 UTC ML= 1.5  
 lat: 48.572N lon: 20.747E h= 0.0 km  
 erh= 2.2km erz= 3.8km  
 nr= 16 gap= 91 rms=0.86  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.7	243	Pg	9:19:46.05	-0.31
			Sg	19:49.41	0.03

## Földrengés paraméterek

ABAH	47.7 130	Pg	9:19:50.83	-0.17
		Sg	19:57.86	0.22
PSZ	96.4 221	Pg	9:20:00.00	0.30
		Sg	20:12.72	-0.41
NIE	99.4 341	Pg	9:20:01.11	0.87
		Sg	20:13.33	-0.75
STHS	100.7 21	Pg	9:20:00.71	0.23
		Sg	20:13.43	-1.08
KOLS	119.2 70	Pg	9:20:05.90	2.12
		Sg	20:18.87	-1.52
VYHS	141.4 266	Pn	9:20:06.61	-0.54
		Sn	20:25.13	-1.26
TRPA	141.6 110	Pn	9:20:07.78	0.59
		Sn	20:23.25	-3.20

1085.

2020-09-11 time: 9:21:28.40 UTC ML= 1.4  
 lat: 47.762N lon: 18.681E h= 0.0 km  
 erh= 4.3km erz= \*\*\*km  
 nr= 8 gap=153 rms=0.86  
 Locality: Dorog  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	45.2	86	Pg	9:21:37.20	0.74
			Sg	21:42.97	0.22
PKSG	46.6	208	Sg	9:21:42.02	-1.19
CSKK	54.5	215	Pg	9:21:39.33	1.20
			Sg	21:44.78	-0.93
VYHS	82.2	8	ePg	9:21:42.40	-0.67
			eSg	21:53.90	-0.62
PSZ	92.5	79	Sg	9:21:57.21	-0.60

1086.

2020-09-11 time: 10:14:58.42 UTC ML= 1.2  
 lat: 48.336N lon: 19.870E h= 0.0 km  
 erh= 4.3km erz= \*\*\*km  
 nr= 5 gap=147 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	46.5	178	PgU	10:15:07.13	0.40
			Sg	15:12.95	-0.26
KECS	48.4	70	Pg	10:15:07.48	0.42
			Sg	15:12.85	-0.96
VYHS	78.5	283	Sg	10:15:22.79	-0.58

1087.

2020-09-11 time: 11:09:39.33 UTC ML= 1.9  
 lat: 47.553N lon: 16.337E h= 0.0 km  
 erh= 2.4km erz= 2.9km  
 nr= 20 gap= 93 rms=0.97  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.6	349	Pg	11:09:42.42	0.13
			Sg	09:45.03	0.43
SOP	22.1	49	Pg	11:09:43.63	0.36
			Sg	09:46.64	0.29
CONA	54.9	319	Pg	11:09:50.66	1.53
			Sg	09:56.58	-0.20
ARSA	70.0	241	Pg	11:09:52.01	0.17
			Sg	09:59.24	-2.36
MPLH	100.3	115	Sg	11:10:11.44	0.21
MODS	115.1	38	Pg	11:10:00.30	0.41
			Sg	10:14.35	-1.58
SMOL	134.3	37	eSn	11:10:20.80	-0.87
GROS	137.0	208	Pn	11:10:03.76	0.31
			Sn	10:21.64	-0.62
SOKA	138.8	225	Pn	11:10:04.27	0.60

## Földrengés paraméterek

MOA 158.9 282 Sn 10:20:6.3 -2.03  
 Pn 11:10:07.47 1.29  
 Sn 10:27:25 0.13  
 KRUC 167.8 1 Pn 11:10:05.72 -1.57  
 Sn 10:26:6.1 -2.49

1088.

2020-09-11 time: 12:47:57.25 UTC ML= 1.2  
 lat: 48.602N lon: 20.810E h= 0.0 km  
 erh= 1.5km erz= 400km  
 nr= 8 gap=129 rms=0.29  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	27.4	241	Pg	12:48:02.35			0.20
			Sg	48:06.08			0.12
ABAH	46.6	137	Pg	12:48:06.01			0.44
			Sg	48:11.58			-0.47
PSZ	102.0	222	Pg	12:48:15.50			0.03
			Sg	48:29.32			-0.37
KOLS	113.6	71	Sg	12:48:33.07			-0.31
LANS	115.8	302	Pg	12:48:17.75			-0.19

1089.

2020-09-11 time: 18:47:36.07 UTC ML= 1.1  
 lat: 48.741N lon: 20.263E h= 10.0 km  
 erh= 2.8km erz= 3.6km  
 nr= 6 gap=229 rms=0.78  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KECS	33.0	150	Pg	18:47:43.07			0.84
			Sg	47:46.43			-0.61
ABAH	87.5	124	Sg	18:48:02.90			-1.15
PSZ	95.5	197	Pg	18:47:54.06			0.85
			Sg	48:06.16			-0.43
VYHS	108.8	255	Pn	18:47:54.76			-0.62

1090.

2020-09-12 time: 9:01:12.37 UTC ML= 1.0  
 lat: 46.188N lon: 18.270E h= 0.0 km  
 erh= 1.9km erz= 337km  
 nr= 8 gap=214 rms=0.25  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	17.2	230	PgU	9:01:15.49			0.05
			Sg	01:18.35			0.52
PKSM	28.8	85	Pg	9:01:17.34			-0.17
			Sg	01:21.62			0.11
MORH	29.0	84	Pg	9:01:17.49			-0.06
			Sg	01:22.26			0.66
PKSV	33.3	182	Pg	9:01:18.10			-0.21
			Sg	01:22.77			-0.18

1091.

2020-09-12 time: 12:46:47.36 UTC ML= 1.2  
 lat: 45.703N lon: 18.163E h= 17.3 km  
 erh= 1.5km erz= 0.7km  
 nr= 8 gap=320 rms=0.08  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	21.7	19	Pg	12:46:52.23			-0.09
			Sg	46:56.71			0.52
KOVH	43.1	353	Pg	12:46:55.63			-0.02

## Hypocenter Parameters

Sg 47:02.12 0.01  
 PKSM 67.6 33 P\* 12:46:59.81 0.04  
 S\* 47:09.45 0.00  
 MORH 68.1 33 P\* 12:46:59.91 0.06  
 S\* 47:09.51 -0.07

1092.

2020-09-13 time: 0:03:51.41 UTC ML= 1.8  
 lat: 48.607N lon: 17.625E h= 2.3 km  
 erh= 1.5km erz= 1.4km  
 nr= 25 gap=101 rms=0.61  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SMOL	17.8	235	Pg	0:03:55.07			0.45
			Sg	03:57.58			0.46
MODS	36.5	225	Pg	0:03:58.18			0.24
			Sg	04:02.80			-0.24
ZST	59.9	220	Pg	0:04:01.84			-0.26
			Sg	04:09.59			-0.86
A338	85.1	141	Pg	0:04:07.02			0.42
			Sg	04:17.70			-0.76
VYHS	90.3	98	Pg	0:04:07.22			-0.31
			Sg	04:18.87			-1.24
KRUC	103.5	299	Pg	0:04:09.83			-0.07
			Sg	04:23.59			-0.73
SOP	129.8	218	Pn	0:04:15.40			1.07
			Sn	04:31.35			-0.85
MORC	130.3	357	Pn	0:04:14.79			0.41
			Sn	04:30.52			-1.78
EGYH	134.1	189	Pn	0:04:15.20			0.34
			Sn	04:31.55			-1.60
RONA	141.3	224	Pn	0:04:16.19			0.44
			Sn	04:34.02			-0.72
CONA	151.1	240	Pn	0:04:17.26			0.28
PENC	153.0	126	Sn	0:04:38.12			0.77
MPLH	159.9	182	Sn	0:04:38.55			-0.33
KRLC	174.5	339	Sn	0:04:42.47			0.36
PSZ	185.1	114	Sn	0:04:45.20			0.73

1093.

2020-09-13 time: 0:05:17.15 UTC ML= 1.0  
 lat: 48.567N lon: 17.650E h= 9.1 km  
 erh= 4.5km erz= 5.2km  
 nr= 6 gap=143 rms=0.33  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SMOL	17.4	250	Pg	0:05:20.76			0.10
			Sg	05:22.89			-0.51
MODS	35.0	232	Pg	0:05:24.05			0.44
			Sg	05:28.51			-0.14
A338	80.5	140	Sg	0:05:42.85			-0.06
MORC	134.7	357	Sn	0:05:57.03			-0.48

1094.

2020-09-13 time: 1:04:48.05 UTC ML= 0.6  
 lat: 47.689N lon: 16.051E h= 13.2 km  
 erh= 2.4km erz= 2.3km  
 nr= 7 gap=128 rms=0.43  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	18.5	87	Pg	1:04:52.73			0.63
			Sg	04:55.14			-0.12
CONA	30.1	332	Pg	1:04:54.14			0.22
			Sg	04:58.01			-0.48
SOP	38.1	91	Sg	1:05:00.17			-0.70
ARSA	63.0	219	Sg	1:05:08.20			-0.30

## Hypocenter Parameters

## Földrengés paraméterek

MODS 119.0 50 Sn 1:05:23.86 -0.11

PKSG 222.3 52 Pn 2:20:23.78 4.73  
 MOA 235.2 323 Pn 2:20:22.15 1.49  
 Sn 20:48.73 0.87  
 KHC 382.1 330 ePn 2:20:41.00 2.03\*  
 eSn 21:21.20 0.75\*

1095.

1096.

2020-09-13 time: 2:19:45.79 UTC ML= 2.1  
 lat: 46.151N lon: 16.109E h= 11.6 km  
 erh= 1.3km erz= 1.1km  
 nr= 64 gap= 52 rms=0.78  
 Locality: Croatia  
 Comments:

2020-09-13 time: 10:45:19.74 UTC ML= 0.6  
 lat: 47.756N lon: 16.083E h= 7.4 km  
 erh= 1.6km erz= 5.9km  
 nr= 7 gap=144 rms=0.27  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	30.2	203	PgD	2:19:51.75	0.18
			Sg	19:55.00	-1.09
KOGS	34.8	18	Pg	2:19:52.66	0.32
			Sg	19:57.30	-0.15
ZAG	36.9	194	PgD	2:19:53.37	0.68
			Sg	19:58.54	0.46
GOLS	40.6	247	iPgD	2:19:53.66	0.33
			eSg	19:59.29	0.08
DOBS	49.4	270	iPg	2:19:54.94	0.08
			iSg	20:01.33	-0.60
CESS	53.7	248	iPg	2:19:55.97	0.36
			iSg	20:03.09	-0.17
GROS	58.1	306	Pg	2:19:56.31	-0.06
CRES	62.1	234	Pg	2:19:57.06	-0.01
BEHE	62.4	55	Pg	2:19:57.61	0.48
			Sg	20:05.39	-0.58
LEGS	65.2	250	iPgD	2:19:57.70	0.08
			iSg	20:06.99	0.14
PDKS	86.5	263	iPg	2:20:01.29	-0.08
			iSg	20:13.47	-0.06
ZAVS	89.3	291	iPg	2:20:01.52	-0.35
			iSg	20:12.91	-1.50
PERS	93.5	305	Pg	2:20:02.21	-0.40
			Sg	20:15.67	-0.05
BOJS	98.0	223	iP*	2:20:02.79	-0.56
			eS*	20:16.52	-0.53
SOKA	101.4	305	P*	2:20:03.37	-0.50
VISS	105.7	249	iPn	2:20:04.04	-0.48
			eSn	20:18.18	-0.94
VNDS	108.9	267	iPn	2:20:04.83	-0.09
			eSn	20:18.57	-1.27
GBRS	122.2	236	iPnC	2:20:06.92	0.35
OBKA	126.6	288	Pn	2:20:07.60	0.48
			Sn	20:22.04	-1.71
MOZS	129.5	277	iPn	2:20:07.97	0.49
ARSA	130.2	340	Pn	2:20:07.61	0.04
			Sn	20:23.02	-1.54
GBAS	131.2	259	iPn	2:20:08.09	0.39
CEY	138.3	251	iPn	2:20:09.31	0.74
			eSn	20:27.32	0.97
CRNS	143.1	267	iPn	2:20:10.86	1.69
			eSn	20:28.32	0.91
KOVH	154.0	93	Pn	2:20:10.46	-0.08
			Sn	20:27.86	-1.99
MPLH	157.6	44	Pn	2:20:10.80	-0.18
			Sn	20:30.18	-0.45
PKSV	168.5	100	Pn	2:20:12.37	0.03
			Sn	20:32.48	-0.58
EGYH	168.9	34	Sn	2:20:33.54	0.39
RONA	172.8	5	Pn	2:20:15.06	2.18
SOP	173.8	11	Pn	2:20:15.62	2.62
			Sn	20:33.46	-0.77
BLY	177.1	152	Sn	2:20:34.74	-0.22
TRI	188.4	255	Sn	2:20:41.79	4.32*
PKSM	195.6	88	Pn	2:20:15.18	-0.55
			Sn	20:36.97	-2.11
MORH	195.9	88	Pn	2:20:15.39	-0.37
			Sn	20:36.73	-2.40
CONA	198.5	355	Pn	2:20:20.53	4.44
			Sn	20:44.61	4.89*
CSKK	212.6	51	Pn	2:20:17.46	-0.38
			Sn	20:47.98	5.14*
PKB1	217.8	71	Sn	2:20:49.51	5.51*

sta	dist	azm	phase	hr mn sec	res
RONA	17.2	111	Pg	10:45:23.41	0.32
			Sg	45:25.70	0.00
CONA	25.3	319	Pg	10:45:24.65	0.21
			Sg	45:27.73	-0.38
SOP	36.6	103	Pg	10:45:26.42	0.01
			Sg	45:31.17	-0.44
ARSA	70.3	217	Sg	10:45:41.87	-0.33

1097.

2020-09-13 time: 21:35:57.21 UTC ML= 2.5  
 lat: 45.877N lon: 16.014E h= 7.3 km  
 erh= 1.4km erz= 1.0km  
 nr= 70 gap= 54 rms=0.83  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.0	300	PgU	21:35:59.14	0.36
			Sg	36:00.03	0.02
ZAG	5.6	196	PgU	21:35:59.56	0.72
			Sg	36:00.37	0.25
GOLS	33.6	296	iPg	21:36:03.65	0.30
			iSg	36:09.39	1.24
CRES	43.6	262	iPgD	21:36:05.13	0.02
			iSg	36:11.19	-0.08
CESS	44.0	284	iPg	21:36:05.92	0.74
			iSg	36:11.27	-0.12
DOBS	51.9	306	iPg	21:36:06.85	0.28
LEGS	54.6	278	iPg	21:36:07.17	0.13
			iSg	36:13.50	-1.21
KOGS	66.0	16	Pg	21:36:09.60	0.53
			Sg	36:17.85	-0.47
BOJS	72.4	235	iPg	21:36:09.64	-0.56
			eSg	36:18.52	-1.82
GROS	76.0	329	Pg	21:36:10.81	-0.03
			Sg	36:19.80	-1.67
PDKS	81.4	285	iPg	21:36:11.82	0.03
			iSg	36:23.00	-0.17
BEHE	88.3	42	Pg	21:36:13.58	0.55
VISS	91.6	265	iPg	21:36:12.98	-0.64
ZAVS	98.3	309	iPg	21:36:14.87	0.06
PERS	109.1	321	iPg	21:36:16.26	-0.46
			iSg	36:29.92	-2.03
SOKA	116.8	320	Pn	21:36:17.39	-0.48
			Sn	36:32.56	-1.43
GBAS	122.1	273	iPn	21:36:18.00	-0.54
			eSn	36:33.43	-1.74
MOZS	130.0	291	iPn	21:36:19.68	0.16
KNDS	133.0	253	iPn	21:36:20.12	0.23
			eSn	36:37.00	-0.59
OBKA	133.1	302	Pn	21:36:20.56	0.65
			Sn	36:37.07	-0.55
CRNS	137.7	279	iPn	21:36:20.70	0.22
BLY	155.4	144	Pn	21:36:22.71	0.02
			Sn	36:42.30	-0.26
ARSA	157.2	346	Pn	21:36:23.51	0.60
KOVH	163.3	82	Pn	21:36:23.14	-0.54
			Sn	36:41.78	-2.54

**Földrengés paraméterek**

**Hypocenter Parameters**

PKSV	173.8	90	Pn	21:36:24.49	-0.49
			Sn	36:43.68	-2.96
TRI	175.9	264	Pn	21:36:26.15	0.90
			Sn	36:47.11	-0.01
MPLH	185.4	39	Pn	21:36:27.15	0.73
			Sn	36:48.55	-0.66
PKS9	191.7	66	Pn	21:36:27.27	0.06
EGYH	198.7	31	Sn	21:36:51.92	-0.25
MYKA	201.1	295	Pn	21:36:30.88	2.49
			Sn	36:56.63	3.92
RONA	203.7	6	Pn	21:36:29.82	1.11
			Sn	36:57.06	3.77
SOP	205.0	12	Pn	21:36:29.19	0.32
			Sn	36:57.43	3.85
PKSM	206.7	80	Pn	21:36:28.32	-0.77
			Sn	36:57.36	3.40
MORH	207.0	80	Pn	21:36:28.33	-0.79
			Sn	36:57.98	3.96
PKB4	211.5	71	Pn	21:36:29.52	-0.16
			Sn	36:59.65	4.65*
CONA	228.3	357	Pn	21:36:32.85	1.07
			Sn	37:05.63	6.89*
KBA	244.6	303	Pn	21:36:34.05	0.24
			Sn	37:09.82	7.45*
PKSG	247.9	47	Pn	21:36:35.17	0.95
PKB3	253.1	76	Pn	21:36:34.05	-0.82
			Sn	37:11.05	6.80*
MOA	256.6	329	Pn	21:36:36.50	1.20
			Sn	37:04.67	-0.35
BIOA	271.2	318	Pn	21:36:38.27	1.14
			Sn	37:08.62	0.35
MODS	293.6	19	ePn	21:36:39.80	-0.12
SMOL	312.1	20	ePn	21:36:43.20	0.97*

**1098.**

2020-09-13 time: 21:45:50.85 UTC ML= 0.5  
 lat: 47.803N lon: 16.122E h= 11.4 km  
 erh= 4.8km erz= 3.0km  
 nr= 7 gap=174 rms=0.24  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.4	131	Pg	21:45:54.74	0.18
			Sg	45:57.03	-0.43
CONA	24.0	306	Pg	21:45:55.68	0.09
			Sg	45:59.13	-0.16
SOP	35.3	112	Pg	21:45:57.74	0.26
			Sg	46:02.35	-0.29
KRUC	141.4	8	Sn	21:46:31.88	-0.29

**1099.**

2020-09-13 time: 23:22:40.42 UTC ML= 0.4  
 lat: 47.787N lon: 16.106E h= 11.1 km  
 erh= 1.7km erz= 1.9km  
 nr= 8 gap=100 rms=0.33  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.2	124	Pg	23:22:44.33	0.25
			Sg	22:46.59	-0.34
CONA	24.1	311	Pg	23:22:45.48	0.32
			Sg	22:48.60	-0.26
SOP	35.8	109	Pg	23:22:47.39	0.28
			Sg	22:52.06	-0.27
ARSA	74.1	216	Sg	23:23:03.71	-0.51
KRUC	143.4	9	Sn	23:23:21.80	-0.45

**1100.**

2020-09-14 time: 8:43:26.74 UTC ML= 1.5  
 lat: 46.149N lon: 18.014E h= 0.0 km  
 erh= 1.6km erz= 2.6km  
 nr= 11 gap=195 rms=0.36  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	9.4	136	Pg	8:43:28.22	-0.20
			Sg	43:29.63	-0.10
PKSV	34.3	148	Pg	8:43:32.98	0.12
PKSM	48.9	82	Pg	8:43:35.62	0.15
			Sg	43:41.96	-0.32
MORH	49.2	81	Pg	8:43:35.75	0.23
			Sg	43:41.93	-0.44
PKS9	52.8	23	Pg	8:43:36.51	0.34
			Sg	43:44.54	1.02
MPLH	119.2	342	Sg	8:44:04.10	-0.53
PKSG	141.1	12	Sn	8:44:09.87	-0.71

**1101.**

2020-09-14 time: 8:56:41.78 UTC ML= 1.6  
 lat: 48.620N lon: 17.359E h= 0.0 km  
 erh= 3.0km erz= 4.7km  
 nr= 11 gap=131 rms=0.67  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	12.8	156	Pg	8:56:44.12	0.05
			Sg	56:45.12	-0.74
MODS	28.0	192	Pg	8:56:47.53	0.75
			Sg	56:51.35	0.67
ZST	50.8	202	Sg	8:56:57.69	-0.23
VYHS	109.9	97	Pg	8:57:01.89	0.48
			Sg	57:15.95	-0.77
RONA	129.3	218	Sg	8:57:21.39	-1.48
MORC	129.4	6	Sg	8:57:21.99	-0.91
CONA	135.2	235	Pn	8:57:06.18	0.52
			Sn	57:23.50	-0.79

**1102.**

2020-09-14 time: 9:52:30.40 UTC ML= 1.5  
 lat: 46.902N lon: 17.338E h= 0.0 km  
 erh= 1.6km erz= 3.0km  
 nr= 15 gap= 92 rms=0.59  
 Locality: Lesenceistvárd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	33.5	27	Pg	9:52:36.41	0.02
			Sg	52:39.61	-1.44
PKST	66.1	53	Sg	9:52:52.48	1.07
PKSG	96.6	56	Sg	9:53:01.45	0.33
KOGS	97.3	239	Sg	9:53:01.65	0.31
SOP	105.0	326	Sg	9:53:03.46	-0.32
KOVH	107.7	147	Pg	9:52:49.72	0.09
			Sg	53:04.78	0.15
MORH	125.9	127	Pg	9:52:53.33	0.45
			Sg	53:10.10	-0.31
PKSM	126.0	128	Pg	9:52:52.73	-0.17
			Sg	53:09.70	-0.74
ARSA	143.2	286	Sn	9:53:14.50	-0.21
GROS	148.8	251	Sn	9:53:14.52	-1.43
CONA	159.5	316	Sn	9:53:19.64	1.32

## Hypocenter Parameters

## Földrengés paraméterek

1103.

2020-09-14 time: 10:05:51.84 UTC ML= 1.5  
 lat: 48.615N lon: 20.789E h= 0.0 km  
 erh= 1.5km erz= 2.1km  
 nr= 14 gap= 84 rms=0.54  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.8	237	Pg	10:05:56.81	0.19
			Sg	06:00.34	-0.01
ABAH	48.6	137	Pg	10:06:00.73	0.20
			Sg	06:07.26	-0.04
STHS	95.2	20	Pg	10:06:09.08	0.24
			Sg	06:21.28	-0.82
PSZ	102.0	221	Pg	10:06:09.82	-0.24
			Sg	06:23.73	-0.54
LANS	113.8	302	Pg	10:06:12.50	0.34
KOLS	114.7	72	ePg	10:06:15.00	2.68
			eSg	06:28.50	0.21
TRPA	140.4	113	Sn	10:06:34.34	-1.18
VYHS	144.8	265	Pn	10:06:17.26	0.33
			Sn	06:35.94	-0.56

1104.

2020-09-14 time: 10:43:40.92 UTC ML= 1.0  
 lat: 48.441N lon: 20.773E h= 0.0 km  
 erh= 1.4km erz= 256km  
 nr= 6 gap=193 rms=0.15  
 Locality: Meszes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	21.7	282	Pg	10:43:44.81	0.01
			Sg	43:47.77	-0.05
ABAH	38.2	115	Pg	10:43:47.57	-0.16
			Sg	43:53.25	0.20
PSZ	87.4	228	Pg	10:43:56.71	0.18
			Sg	44:08.51	-0.20

1105.

2020-09-15 time: 1:09:59.62 UTC ML= 1.4  
 lat: 47.683N lon: 16.049E h= 6.8 km  
 erh= 2.1km erz= 1.8km  
 nr= 27 gap= 66 rms=0.97  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.6	84	PgU	1:10:03.71	0.55
			Sg	10:06.33	0.41
CONA	30.7	333	Pg	1:10:05.92	0.68
			Sg	10:08.84	-0.78
SOP	38.2	90	Pg	1:10:06.73	0.18
			Sg	10:11.75	-0.21
ARSA	62.3	220	Pg	1:10:10.44	-0.38
			Sg	10:17.27	-2.28
MODS	119.5	50	Pn	1:10:20.18	-0.51
			Sn	10:34.94	-2.19
MOA	135.0	278	Pn	1:10:22.60	-0.02
			Sn	10:39.90	-0.66
SOKA	135.7	215	Sn	1:10:40.17	-0.55
PERS	136.2	211	Pn	1:10:23.70	0.93
			Sn	10:39.06	-1.77
KOGS	138.1	174	Sn	1:10:42.68	1.43
SMOL	138.2	48	Sn	1:10:40.57	-0.70
GROS	142.1	197	Sn	1:10:42.17	0.04
KRUC	155.5	9	Pn	1:10:25.00	-0.17
			Sn	10:43.18	-1.92
PKST	156.9	107	Pn	1:10:26.21	0.86
			Sn	10:47.10	1.68
BIOA	181.0	270	Pn	1:10:28.08	-0.28

			Sn	10:52.58	1.80
ZVC	238.6	325	eSn	1:11:05.40	1.85
KHC	243.7	311	ePn	1:10:38.50	2.32
			eSn	11:06.00	1.30
PRU	279.3	337	eSn	1:11:18.10	5.52*

1106.

2020-09-15 time: 7:37:33.56 UTC ML= 1.3  
 lat: 47.576N lon: 18.458E h= 0.0 km  
 erh= 1.2km erz= 2.4km  
 nr= 12 gap= 78 rms=0.58  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.1	194	Pg	7:37:37.30	-0.02
			Sg	37:40.67	0.42
CSKK	27.9	212	Pg	7:37:39.21	0.67
			Sg	37:42.93	0.50
BUD	43.8	103	Sg	7:37:47.56	0.08
MPLH	82.7	237	Sg	7:37:59.40	-0.46
VYHS	105.9	15	Pg	7:37:52.97	0.50
			Sg	38:06.88	-0.35
PSZ	114.3	71	Sg	7:38:09.57	-0.30
MODS	125.1	315	Sg	7:38:12.47	-0.85
MORH	151.8	175	Sn	7:38:18.58	-1.19
PKSM	152.3	175	Sn	7:38:18.38	-1.49

1107.

2020-09-15 time: 8:23:43.19 UTC ML= 1.1  
 lat: 48.007N lon: 20.353E h= 0.0 km  
 erh= 2.6km erz= 486km  
 nr= 7 gap=190 rms=0.32  
 Locality: Szarvaskő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	35.6	254	Pg	8:23:49.68	0.12
			Sg	23:54.30	-0.22
KECS	53.8	11	Pg	8:23:53.09	0.28
			Sg	24:00.37	0.06
ABAH	73.4	64	Sg	8:24:06.20	-0.31
VYHS	125.0	296	Pg	8:24:05.49	-0.02
			Sg	24:21.06	-1.86

1108.

2020-09-15 time: 8:32:09.11 UTC ML= 0.7  
 lat: 47.215N lon: 18.342E h= 0.0 km  
 erh= 1.1km erz= 3.5km  
 nr= 9 gap=154 rms=0.31  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.6	340	Pg	8:32:12.33	0.07
			Sg	32:14.39	-0.32
PKSG	20.0	11	Pg	8:32:13.08	0.39
			Sg	32:15.57	0.09
MPLH	61.0	265	Sg	8:32:28.50	0.00
MORH	113.4	168	Sg	8:32:44.79	-0.37
PKSM	113.8	168	Sg	8:32:44.99	-0.29
KOVH	126.6	188	Sg	8:32:49.53	0.19
VYHS	147.0	15	Sn	8:32:52.98	-1.27

## Földrengés paraméterek

## Hypocenter Parameters

1109.

2020-09-15 time: 9:26:28.91 UTC ML= 1.2  
 lat: 47.331N lon: 18.427E h= 0.0 km  
 erh= 0.9km erz= 3.0km  
 nr= 9 gap=159 rms=0.22  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.3	338	PgU	9:26:30.30	0.09
			Sg	26:31.05	-0.17
CSKK	13.0	286	Pg	9:26:31.55	0.31
			Sg	26:32.83	-0.23
PKST	30.7	255	Pg	9:26:34.46	0.06
			Sg	26:38.51	-0.17
MORH	125.1	172	Sg	9:27:08.51	-0.17
PKSM	125.5	172	Sg	9:27:08.81	0.00
VYHS	132.8	13	Sn	9:27:09.86	-1.06

1110.

2020-09-15 time: 11:53:32.38 UTC ML= 1.2  
 lat: 47.332N lon: 18.419E h= 0.0 km  
 erh= 2.0km erz= 4.7km  
 nr= 9 gap=159 rms=0.52  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.0	342	PgU	11:53:33.87	0.25
			Sg	53:34.35	-0.25
CSKK	12.5	286	Pg	11:53:35.25	0.65
			Sg	53:36.91	0.57
PKST	30.2	254	Pg	11:53:37.44	-0.33
			Sg	53:41.35	-0.63
MORH	125.3	172	Sg	11:54:12.18	-0.02
PKSM	125.7	172	Sg	11:54:12.18	-0.15
VYHS	132.9	14	Sn	11:54:12.74	-1.65

1111.

2020-09-15 time: 19:02:32.02 UTC ML= 0.4  
 lat: 47.754N lon: 16.074E h= 13.5 km  
 erh= 2.0km erz= 1.7km  
 nr= 8 gap=107 rms=0.42  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.7	110	Pg	19:02:36.15	0.16
			Sg	02:38.29	-0.80
CONA	25.1	321	Pg	19:02:37.42	0.32
			Sg	02:40.88	-0.18
SOP	37.2	102	Sg	19:02:45.31	0.73
ARSA	69.7	217	Sg	19:02:54.27	-0.32
MODS	113.1	52	Sn	19:03:06.58	0.02
KRUC	147.3	9	Sn	19:03:13.55	-0.62

1112.

2020-09-15 time: 20:31:21.18 UTC ML= 1.4  
 lat: 47.771N lon: 16.108E h= 5.9 km  
 erh= 1.7km erz= 1.7km  
 nr= 20 gap= 91 rms=0.60  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.2	119	PgU	20:31:24.54	0.28
			Sg	31:26.60	-0.07
CONA	25.4	313	Pg	20:31:25.99	0.15
			Sg	31:29.60	0.12
SOP	35.2	106	Pg	20:31:27.67	0.12

			Sg	31:32.02	-0.50
ARSA	72.7	217	Pg	20:31:33.52	-0.69
			Sg	31:42.10	-2.28
EGYH	100.1	113	Pg	20:31:39.78	0.69
			Sg	31:52.55	-0.51
MODS	109.9	52	Pg	20:31:40.95	0.11
			Sg	31:54.59	-1.59
SMOL	128.4	50	Pn	20:31:44.11	0.64
			Sn	32:00.24	-0.62
MOA	138.2	274	Pn	20:31:45.16	0.46
			Sn	32:02.40	-0.64
KRUC	145.1	8	Pn	20:31:45.53	-0.03
			Sn	32:03.34	-1.23
PERS	146.9	211	Pn	20:31:46.70	0.92
BIOA	185.5	267	Sn	20:32:13.92	0.39

1113.

2020-09-15 time: 23:47:42.51 UTC ML= 1.6  
 lat: 47.814N lon: 16.122E h= 5.8 km  
 erh= 1.7km erz= 1.6km  
 nr= 29 gap= 65 rms=0.83  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.2	134	Pg	23:47:45.93	0.00
			Sg	47:48.42	-0.17
CONA	23.3	303	Pg	23:47:46.87	0.08
			Sg	47:50.45	0.31
SOP	35.8	114	Pg	23:47:49.01	0.02
			Sg	47:53.48	-0.56
ARSA	77.2	216	Pg	23:47:55.13	-1.20
			Sg	48:04.23	-2.87
ZST	84.6	60	Sg	23:48:09.42	-0.06
EGYH	101.1	116	Pg	23:48:01.43	0.84
			Sg	48:14.64	-0.06
MODS	106.2	54	Pg	23:48:01.43	-0.08
			Sg	48:16.01	-0.32
SMOL	124.6	51	Pn	23:48:04.86	0.53
			Sn	48:21.73	0.39
MPLH	128.6	124	Pn	23:48:05.36	0.53
			Sn	48:22.31	0.07
A337	133.3	69	Sn	23:48:23.97	0.68
MOA	139.0	272	Pn	23:48:06.05	-0.08
			Sn	48:22.97	-1.58
KRUC	140.3	8	Pn	23:48:05.95	-0.34
			Sn	48:23.05	-1.78
SOKA	150.8	213	Sn	23:48:25.40	-1.77
PERS	151.5	210	Pn	23:48:09.13	1.45
			Sn	48:26.65	-0.67
GROS	157.6	197	Sn	23:48:28.48	-0.19
BIOA	186.7	266	Pn	23:48:14.03	1.95
			Sn	48:36.69	1.55
KBA	224.8	249	Pn	23:48:19.91	3.08

1114.

2020-09-15 time: 23:49:36.64 UTC ML= 0.9  
 lat: 47.776N lon: 16.129E h= 11.4 km  
 erh= 2.8km erz= 1.8km  
 nr= 14 gap= 94 rms=0.74  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.1	124	Pg	23:49:40.70	0.68
			Sg	49:43.04	0.38
CONA	26.2	310	Pg	23:49:42.02	0.28
			Sg	49:45.17	-0.56
SOP	33.8	108	Pg	23:49:43.14	0.13
			Sg	49:48.45	0.48
ARSA	74.2	218	Sg	23:49:58.86	-1.63
EGYH	98.8	114	P*	23:49:53.64	-0.72
			S*	50:07.74	-0.43

## Hypocenter Parameters

MODS 108.3 52 Sn 23:50:10.31 -0.30  
 MOA 139.8 273 Pn 23:50:01.76 2.11  
 Sn 50:18.63 1.03  
 KRUC 144.3 8 Pn 23:49:59.93 -0.28  
 Sn 50:17.64 -0.96

1115.

2020-09-16 time: 4:20:12.97 UTC ML= 0.7  
 lat: 47.714N lon: 16.072E h= 6.3 km  
 erh= 0.7km erz= 3.7km  
 nr= 6 gap=129 rms=0.31  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.9	96	Pg	4:20:16.21			0.02
			Sg	20:18.25			-0.46
CONA	28.5	327	Pg	4:20:18.40			0.22
			Sg	20:21.61			-0.64
ARSA	66.1	219	Pg	4:20:25.14			0.32
			Sg	20:33.92			-0.15

1116.

2020-09-16 time: 8:50:16.44 UTC ML= 1.3  
 lat: 48.558N lon: 20.789E h= 0.0 km  
 erh= 1.9km erz= 3.3km  
 nr= 15 gap= 92 rms=0.79  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	23.9	250	Pg	8:50:21.02			0.30
			Sg	50:25.14			1.09
ABAH	44.2	131	Pg	8:50:24.71			0.37
			Sg	50:30.56			0.05
PSZ	97.4	223	Pg	8:50:33.99			0.16
			Sg	50:46.22			-1.17
STHS	101.1	19	Pg	8:50:33.73			-0.77
			Sg	50:47.69			-0.90
NIE	101.9	340	Pg	8:50:36.08			1.44
			Sg	50:48.45			-0.38
KOLS	116.8	69	Pg	8:50:38.10			0.79
			Sg	50:53.11			-0.47
TRPA	138.1	110	Sn	8:50:57.78			-1.84
VYHS	144.5	267	Pn	8:50:41.05			-0.44
			Sn	51:00.21			-0.82

1117.

2020-09-16 time: 8:57:01.69 UTC ML= 1.5  
 lat: 48.291N lon: 21.538E h= 0.0 km  
 erh= 3.5km erz= 4.3km  
 nr= 12 gap= 99 rms=1.04  
 Locality: Bodrogolaszi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	22.2	271	Pg	8:57:05.95			0.30
			Sg	57:08.94			0.20
TRPA	76.5	104	Pg	8:57:15.84			0.49
			Sg	57:24.96			-1.04
KECS	80.8	285	Sg	8:57:25.26			-2.12
KOLS	89.6	37	Pg	8:57:17.55			-0.14
			Sg	57:28.98			-1.19
PSZ	129.3	251	Pg	8:57:25.08			0.31
			Sg	57:40.64			-2.14
NIE	154.3	324	Pn	8:57:29.90			1.94
			Sn	57:48.13			-0.32
DRGR	188.7	152	Sn	8:57:56.62			0.54

## Földrengés paraméterek

1118.

2020-09-16 time: 9:26:29.07 UTC ML= 0.9  
 lat: 47.196N lon: 18.320E h= 0.0 km  
 erh= 1.5km erz= 2.4km  
 nr= 10 gap=111 rms=0.31  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.1	346	Pg	9:26:32.30			-0.18
			Sg	26:34.82			-0.32
PKSG	22.4	14	Pg	9:26:33.46			0.39
			Sg	26:36.02			-0.16
MPLH	59.2	267	Pg	9:26:39.89			0.24
MORH	111.8	167	Sg	9:27:04.74			0.13
PKSM	112.2	167	Sg	9:27:04.94			0.21
KOVH	124.3	188	Sg	9:27:08.05			-0.54
PSZ	143.1	56	Sn	9:27:13.17			-0.19
VYHS	149.4	15	Sn	9:27:12.97			-1.77

1119.

2020-09-16 time: 10:00:49.66 UTC ML= 1.5  
 lat: 48.157N lon: 16.879E h= 0.0 km  
 erh= 1.9km erz= 3.0km  
 nr= 21 gap= 89 rms=0.84  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	17.2	75	Pg	10:00:52.90			0.17
			Sg	00:55.01			-0.11
MODS	38.2	51	Pg	10:00:56.33			-0.14
			Sg	01:01.15			-0.64
SMOL	56.9	46	Sg	10:01:08.37			0.62
SOP	57.8	205	Sg	10:01:07.26			-0.78
RONA	66.9	221	Pg	10:01:02.04			0.43
			Sg	01:10.58			-0.35
CONA	80.0	252	Pg	10:01:04.35			0.41
			Sg	01:14.19			-0.90
EGYH	88.9	158	Sg	10:01:17.30			-0.62
KRUC	106.8	340	Pg	10:01:09.37			0.64
			Sg	01:22.12			-1.49
MPLH	120.4	156	Pg	10:01:12.38			1.23
			Sg	01:26.94			-0.97
PKST	132.2	139	Pn	10:01:11.28			-1.89
			Sn	01:27.15			-4.37*
ARSA	143.2	225	Pn	10:01:15.50			0.95
			Sn	01:33.77			-0.19
VYHS	149.9	76	Pn	10:01:16.50			1.12
			Sn	01:35.28			-0.17

1120.

2020-09-16 time: 10:20:23.97 UTC ML= 1.1  
 lat: 48.457N lon: 19.550E h= 0.0 km  
 erh= 5.9km erz= \*\*\*km  
 nr= 5 gap=173 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	52.9	274	Pg	10:20:33.63			0.21
			Sg	20:40.21			-0.59
PSZ	65.1	157	Sg	10:20:44.68			0.01
KECS	69.3	88	Pg	10:20:36.89			0.56
			Sg	20:44.83			-1.15



## Földrengés paraméterek

## Hypocenter Parameters

1121.  


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 2020-09-16 time: 10:21:12.87 UTC ML= 1.1  
 lat: 48.482N lon: 19.563E h= 0.0 km  
 erh= 1.7km erz= 4.3km  
 nr= 10 gap= 83 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	53.8	271	Pg	10:21:23.07	0.59
			Sg	21:29.70	-0.27
PSZ	67.4	159	Sg	10:21:33.91	-0.37
KECS	68.2	90	Pg	10:21:25.78	0.73
			Sg	21:34.12	-0.42
LANS	74.7	355	Sg	10:21:36.22	-0.38
PENC	79.7	195	Sg	10:21:37.53	-0.68
NIE	117.8	28	Sg	10:21:49.38	-0.92
ABAH	125.9	99	Sg	10:21:53.19	0.31
A339	159.4	243	Sn	10:22:00.83	0.05

1122.  


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 2020-09-16 time: 13:18:23.02 UTC ML= 1.7  
 lat: 47.336N lon: 16.380E h= 0.0 km  
 erh= 1.5km erz=10.2km  
 nr= 17 gap= 72 rms=0.68  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	40.9	19	Sg	13:18:35.67	-0.35
RONA	40.9	351	Pg	13:18:30.52	0.19
			Sg	18:35.94	-0.09
ARSA	65.5	262	Sg	13:18:44.58	0.75
CONA	76.5	329	Pg	13:18:37.25	0.57
			Sg	18:46.79	-0.55
MPLH	89.7	102	Pg	13:18:39.59	0.55
			Sg	18:50.50	-1.03
KOGS	99.2	186	Pg	13:18:41.30	0.57
			Sg	18:54.05	-0.49
BEHE	100.9	163	Sg	13:18:55.36	0.28
GROS	118.0	215	Sg	13:18:58.87	-1.67
PERS	123.7	231	Pg	13:18:45.41	0.31
			Sg	19:01.38	-0.94
SOKA	125.9	234	Pg	13:18:45.82	0.32
			Sg	19:01.78	-1.25
MODS	133.5	30	Sn	13:19:02.45	-2.72

1123.  


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 2020-09-17 time: 0:29:14.90 UTC ML= 0.3  
 lat: 47.774N lon: 16.097E h= 3.3 km  
 erh= 0.5km erz= 1.2km  
 nr= 5 gap=195 rms=0.19  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.0	119	PgU	0:29:18.19	0.19
			Sg	29:20.40	-0.01
CONA	24.6	314	Pg	0:29:19.40	0.06
			Sg	29:22.63	-0.17
SOP	36.0	106	Sg	0:29:25.97	-0.42

1124.  


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 2020-09-17 time: 6:46:36.89 UTC ML= 1.3  
 lat: 46.141N lon: 18.030E h= 0.0 km  
 erh= 3.0km erz= 463km  
 nr= 9 gap=260 rms=0.35  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	8.0	138	PgU	6:46:38.61	0.30
			Sg	46:39.56	0.13
PKSV	33.0	149	Pg	6:46:42.17	-0.60
			Sg	46:47.22	-0.14
PKSM	47.9	81	Pg	6:46:45.79	0.36
			Sg	46:51.89	-0.21
MORH	48.1	80	Pg	6:46:45.76	0.28
			Sg	46:52.09	-0.10
PKB4	59.2	48	Sg	6:46:55.25	-0.47

1125.  


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 2020-09-17 time: 7:29:28.84 UTC ML= 1.5  
 lat: 47.239N lon: 17.741E h= 0.0 km  
 erh= 3.5km erz= 2.9km  
 nr= 9 gap=179 rms=0.49  
 Locality: Bakonybél  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	17.0	243	Pg	7:29:31.73	-0.16
			Sg	29:33.98	-0.28
CSKK	41.7	71	Sg	7:29:41.49	-0.60
PKSG	52.0	71	Pg	7:29:38.86	0.73
			Sg	29:45.54	0.17
KOVH	130.8	168	Sn	7:30:10.39	0.00
PENC	131.3	62	Sn	7:30:09.34	-1.16
MORH	133.0	149	Sn	7:30:11.25	0.36
PKSM	133.3	149	Sn	7:30:10.98	0.03

1126.  


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 2020-09-17 time: 7:32:22.56 UTC ML= 1.1  
 lat: 48.092N lon: 20.700E h= 0.0 km  
 erh= 1.5km erz= 334km  
 nr= 6 gap=192 rms=0.19  
 Locality: Pereces  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	46.1	61	Pg	7:32:30.88	0.09
			Sg	32:36.94	-0.27
KECS	46.3	340	Pg	7:32:31.06	0.24
			Sg	32:36.99	-0.27
PSZ	63.1	252	Pg	7:32:33.89	0.05
			Sg	32:42.38	-0.25

1127.  


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 2020-09-17 time: 8:03:28.13 UTC ML= 1.8  
 lat: 47.319N lon: 18.409E h= 0.0 km  
 erh= 1.0km erz= 2.9km  
 nr= 9 gap=112 rms=0.36  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.2	350	PgU	8:03:29.92	0.32
			Sg	03:30.23	-0.51
CSKK	12.2	294	Pg	8:03:30.55	0.24
			Sg	03:31.81	-0.21
PKST	29.1	257	Sg	8:03:37.59	0.21
MORH	124.0	172	Sg	8:04:07.82	0.29
PKSM	124.4	172	Sg	8:04:07.32	-0.34
PSZ	130.1	59	Sg	8:04:09.33	-0.14
VYHS	134.5	14	Sn	8:04:09.43	-1.07

## Hypocenter Parameters

## Földrengés paraméterek

1128.

2020-09-17 time: 8:57:36.70 UTC ML= 1.4  
 lat: 48.586N lon: 20.778E h= 0.0 km  
 erh= 3.4km erz= 3.7km  
 nr= 8 gap=227 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.4	242	Pg	8:57:41.21			0.16
			Sg		57:44.29		-0.16
ABAH	47.0	133	Pg	8:57:45.04			-0.04
			Sg		57:51.07		-0.56
PSZ	99.0	221	Pg	8:57:55.11			0.73
			Sg		58:07.76		-0.42
VYHS	143.7	266	Pn	8:58:01.70			0.05
			Sn		58:19.77		-1.35

1129.

2020-09-17 time: 9:09:11.32 UTC ML= 1.2  
 lat: 48.414N lon: 19.143E h= 0.0 km  
 erh= 1.7km erz= 454km  
 nr= 6 gap=154 rms=0.26  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	24.3	291	Pg	9:09:15.91			0.25
			Sg		09:18.56		-0.49
PENC	70.1	172	Sg	9:09:33.62			0.01
PSZ	78.5	135	Sg	9:09:36.17			-0.11
KECS	99.6	86	Pg	9:09:29.30			0.19
			Sg		09:42.63		-0.36

1130.

2020-09-17 time: 9:10:13.05 UTC ML= 1.2  
 lat: 48.365N lon: 19.112E h= 0.0 km  
 erh= 3.4km erz= 952km  
 nr= 6 gap=137 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	25.0	305	Pg	9:10:17.76			0.24
			Sg		10:20.81		-0.19
PSZ	76.5	130	Sg	9:10:38.02			0.66
KECS	102.5	83	Pg	9:10:31.60			0.25
			Sg		10:44.22		-1.41
PKSG	120.9	207	Sg	9:10:50.94			-0.54

1131.

2020-09-17 time: 9:44:34.50 UTC ML= 0.7  
 lat: 47.191N lon: 18.246E h= 0.0 km  
 erh= 3.0km erz= 299km  
 nr= 5 gap=269 rms=0.14  
 Locality: Csőr  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	17.7	295	Pg	9:44:37.57			-0.09
CSKK	19.2	3	Pg	9:44:38.12			0.20
			Sg		44:40.58		-0.01
PKSG	24.9	26	Pg	9:44:38.95			0.01
			Sg		44:42.16		-0.24

1132.

2020-09-17 time: 9:50:32.20 UTC ML= 1.8  
 lat: 48.222N lon: 21.282E h= 0.0 km  
 erh= 1.0km erz= 1.1km  
 nr= 12 gap=106 rms=0.28  
 Locality: Mád  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	8.8	339	Pg	9:50:33.80			0.03
			Sg		50:35.05		0.06
KECS	65.8	296	Pg	9:50:43.76			-0.19
			Sg		50:52.40		-0.71
TRPA	94.0	96	Pg	9:50:49.01			0.01
			Sg		51:02.34		0.24
PSZ	108.8	252	Pg	9:50:51.97			0.34
			Sg		51:06.84		0.05
STHS	132.8	359	Sn	9:51:12.85			-1.36
NIE	150.9	332	Sn	9:51:18.38			0.17
VYHS	183.8	279	Sn	9:51:25.71			0.20
DRGR	192.1	146	Sn	9:51:27.12			-0.23

1133.

2020-09-17 time: 10:46:04.73 UTC ML= 0.6  
 lat: 47.699N lon: 16.025E h= 12.5 km  
 erh= 8.0km erz= 2.7km  
 nr= 6 gap=244 rms=0.58  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	20.4	90	Pg	10:46:09.35			0.35
			Sg		46:11.61		-0.72
CONA	28.2	334	Pg	10:46:10.51			0.26
			Sg		46:14.12		-0.43
MODS	119.8	51	Sn	10:46:40.03			-0.97
A337	145.0	65	Sn	10:46:47.61			1.00

1134.

2020-09-17 time: 11:40:45.82 UTC ML= 2.2  
 lat: 46.126N lon: 16.651E h= 5.1 km  
 erh= 3.8km erz= 2.6km  
 nr= 12 gap=231 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	39.5	14	Sg	11:40:57.59			-0.87
KOGS	47.3	319	Sg	11:41:01.57			0.63
PTJ	59.3	245	Pg	11:40:56.53			0.09
			Sg		41:04.21		-0.51
GROS	96.1	293	Pg	11:41:03.29			0.29
			Sg		41:15.31		-1.09
CRES	98.4	250	Pg	11:41:03.96			0.55
			Sg		41:16.48		-0.65
PERS	130.9	296	Pn	11:41:09.00			0.46
			Sn		41:24.88		-1.37
SOKA	138.8	296	Sn	11:41:27.82			-0.17
ARSA	151.9	325	Sn	11:41:32.40			1.50

1135.

2020-09-17 time: 19:30:22.73 UTC ML= 0.7  
 lat: 47.775N lon: 16.114E h= 8.7 km  
 erh= 2.5km erz= 2.9km  
 nr= 10 gap=155 rms=0.54  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.1	121	Pg	19:30:26.56			0.58

## Földrengés paraméterek

## Hypocenter Parameters

		Sg	30:28.80	0.28	
CONA	25.4	312	Pg	19:30:27.60	0.08
		Sg	30:30.81	-0.45	
SOP	34.9	107	Pg	19:30:28.70	-0.44
		Sg	30:33.48	-0.67	
ARSA	73.3	217	Pg	19:30:36.07	0.16
		Sg	30:45.62	-0.57	
MOA	138.6	273	Pn	19:30:47.56	1.62
		Sn	31:03.61	-0.43	

1136.

2020-09-18 time: 4:44:47.38 UTC ML= 1.1  
 lat: 47.762N lon: 16.120E h= 5.9 km  
 erh= 3.3km erz= 3.6km  
 nr= 14 gap=142 rms=0.98  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.9	118	Pg	4:44:51.17	0.92
			Sg	44:53.59	1.11
CONA	26.8	314	Pg	4:44:52.09	-0.19
			Sg	44:55.74	-0.36
SOP	34.0	105	Pg	4:44:52.34	-1.21
			Sg	44:58.51	0.15
ARSA	72.5	218	Pg	4:45:00.35	-0.02
			Sg	45:08.84	-1.66
MOA	139.2	274	Pn	4:45:11.76	0.73
			Sn	45:28.32	-1.14
KBA	222.8	250	Pn	4:45:25.45	4.00
			Sn	45:50.98	2.97
ZVC	234.5	323	eSn	4:45:51.10	0.49
KHC	242.0	309	eSn	4:45:53.60	1.33

1137.

2020-09-18 time: 6:19:01.30 UTC ML= 1.5  
 lat: 47.024N lon: 18.005E h= 0.0 km  
 erh= 1.5km erz= 573km  
 nr= 10 gap=116 rms=0.45  
 Locality: Balatonalmádi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	16.2	212	Pg	6:19:04.47	0.27
			Sg	19:07.58	1.12
MPLH	38.9	295	Pg	6:19:07.88	-0.37
			Sg	19:13.71	0.05
CSKK	42.4	27	Sg	6:19:15.05	0.28
PKSG	50.3	36	Sg	6:19:17.62	0.34
MORH	102.3	151	Pg	6:19:19.13	-0.45
			Sg	19:34.29	0.46
PKSM	102.6	152	Sg	6:19:33.79	-0.13
KOVH	104.3	176	Sg	6:19:33.73	-0.72

1138.

2020-09-18 time: 8:02:09.02 UTC ML= 0.6  
 lat: 47.792N lon: 16.105E h= 11.3 km  
 erh= 2.4km erz= 1.9km  
 nr= 10 gap= 94 rms=0.55  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.7	126	PgU	8:02:12.84	0.08
			Sg	02:15.29	-0.39
CONA	23.6	310	Pg	8:02:14.22	0.52
			Sg	02:17.32	-0.03
SOP	36.1	110	Pg	8:02:15.95	0.17
			Sg	02:20.78	-0.27
ARSA	74.5	216	Sg	8:02:31.32	-1.64
MODS	108.7	54	Sn	8:02:42.87	-0.23
KRUC	142.8	9	Sn	8:02:50.20	-0.47

PERS 148.8 210 Sn 8:02:53.56 1.56

1139.

2020-09-18 time: 8:07:39.95 UTC ML= 1.4  
 lat: 48.619N lon: 20.800E h= 0.0 km  
 erh= 1.5km erz= 2.0km  
 nr= 7 gap=160 rms=0.38  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.7	237	Pg	8:07:45.36	0.46
			Sg	07:48.55	-0.22
ABAH	48.5	138	Pg	8:07:48.85	0.24
			Sg	07:54.86	-0.49
PSZ	103.0	221	Sg	8:08:12.58	-0.10
VYHS	145.7	265	Sn	8:08:24.10	-0.70
OJC	192.2	338	Sn	8:08:34.92	-0.22

1140.

2020-09-18 time: 8:24:33.41 UTC ML= 1.0  
 lat: 46.169N lon: 18.298E h= 0.0 km  
 erh= 1.9km erz= 361km  
 nr= 8 gap=199 rms=0.26  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.7	240	Pg	8:24:36.40	-0.17
			Sg	24:39.62	0.59
PKSM	27.0	80	Pg	8:24:38.32	0.09
			Sg	24:41.96	-0.02
MORH	27.3	79	Pg	8:24:38.34	0.06
			Sg	24:42.31	0.23
PKSV	31.3	186	Pg	8:24:38.56	-0.44
			Sg	24:43.56	0.19

1141.

2020-09-18 time: 9:08:31.28 UTC ML= 1.4  
 lat: 47.414N lon: 18.737E h= 0.0 km  
 erh= 2.7km erz= 3.8km  
 nr= 17 gap=109 rms=0.74  
 Locality: Pusztazámor  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PBUD	21.5	74	Sg	9:08:39.96	1.84
BUD	23.0	70	Pg	9:08:35.02	-0.36
			Sg	08:38.66	0.08
PKSG	26.3	265	Pg	9:08:36.15	0.18
			Sg	08:40.46	0.83
CSKK	36.4	261	Pg	9:08:37.95	0.17
			Sg	08:44.08	1.22
PENC	58.6	44	Sg	9:08:51.09	1.20
MPLH	94.6	253	Sg	9:09:01.55	0.21
PSZ	103.4	57	Pg	9:08:49.78	0.03
			Sg	09:03.84	-0.32
EGYH	106.1	270	Sg	9:09:04.55	-0.44
VYHS	120.3	4	Pg	9:08:52.40	-0.37
			Sg	09:07.96	-1.57
MORH	133.4	183	Sn	9:09:12.48	-0.91
PKSM	133.8	183	Sn	9:09:11.58	-1.92
KOVH	155.2	198	Sn	9:09:17.90	-0.34

## Hypocenter Parameters

## Földrengés paraméterek

1142.

2020-09-18 time: 9:29:53.79 UTC ML= 1.7  
 lat: 46.018N lon: 22.420E h= 5.3 km  
 erh= 1.8km erz= 2.1km  
 nr= 22 gap= 79 rms=0.79  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	37.3	218	PgD	9:30:01.22	0.71
			Sg	30:06.10	0.34
DEV	40.3	112	Sg	9:30:06.41	-0.31
SIRR	65.0	295	Pg	9:30:05.82	0.38
			Sg	30:13.95	-0.57
GZR	74.8	158	Pg	9:30:07.33	0.15
			Sg	30:16.46	-1.16
BZS	76.8	234	Sg	9:30:17.27	-0.98
DRGR	88.8	15	Pg	9:30:09.12	-0.56
			Sg	30:20.18	-1.90
MARR	90.8	36	PgC	9:30:11.02	0.99
			Sg	30:22.30	-0.39
CJR	119.1	50	Pn	9:30:15.66	0.67
			Sn	30:30.52	-1.01
LOT	122.7	121	PnD	9:30:15.65	0.21
			Sn	30:30.30	-2.02
HERR	126.4	180	PnC	9:30:16.53	0.63
			Sn	30:32.40	-0.75
MDVR	148.2	202	PnC	9:30:19.78	1.16
			Sn	30:38.10	0.11
VOIR	214.6	108	PnC	9:30:27.65	0.75
			Sn	30:53.70	0.97

1143.

2020-09-18 time: 10:09:49.13 UTC ML= 2.0  
 lat: 48.418N lon: 17.224E h= 0.0 km  
 erh= 1.5km erz= 3.3km  
 nr= 14 gap= 78 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	6.4	141	PgU	10:09:50.35	0.08
			Sg	09:51.67	0.52
SMOL	18.5	55	Pg	10:09:52.23	-0.21
			Sg	09:55.59	0.57
ZST	26.3	200	Pg	10:09:54.12	0.29
			Sg	09:56.92	-0.57
KRUC	94.0	320	Sg	10:10:18.04	-0.97
RONA	105.7	221	Pg	10:10:08.52	0.52
			Sg	10:22.67	-0.05
CONA	115.0	242	Pg	10:10:09.79	0.11
			Sg	10:24.91	-0.79
VYHS	119.6	86	Sg	10:10:26.53	-0.61
PKST	142.5	155	Sn	10:10:31.52	-1.75
MORC	152.9	9	Sn	10:10:36.46	0.88

1144.

2020-09-19 time: 8:38:58.26 UTC ML= 1.1  
 lat: 46.196N lon: 18.272E h= 0.0 km  
 erh= 1.0km erz= 3.1km  
 nr= 12 gap=123 rms=0.31  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.9	228	Pg	8:39:01.50	0.05
			Sg	39:04.01	0.07
PKSM	28.6	86	Pg	8:39:03.61	0.25
			Sg	39:06.93	-0.41
MORH	28.8	86	Pg	8:39:03.71	0.31
			Sg	39:07.02	-0.40
PKSV	34.2	183	Pg	8:39:04.41	0.04

			Sg	39:08.69	-0.44
PKB4	42.0	37	Sg	8:39:12.00	0.38
PKB2	91.6	55	Sg	8:39:27.51	0.15
PKST	119.5	351	Sg	8:39:35.85	-0.40
PKSG	133.2	4	Sn	8:39:39.36	-0.99

1145.

2020-09-19 time: 9:22:17.38 UTC ML= 0.9  
 lat: 47.753N lon: 16.103E h= 8.4 km  
 erh= 2.7km erz= 2.6km  
 nr= 10 gap=106 rms=0.67  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.7	112	PgU	9:22:21.22	0.66
			Sg	22:23.43	0.40
CONA	26.6	317	Pg	9:22:22.36	0.00
			Sg	22:25.77	-0.48
SOP	35.0	103	Sg	9:22:28.32	-0.52
ARSA	70.9	218	Pg	9:22:29.95	-0.18
			Sg	22:38.90	-1.17
MODS	111.5	52	Sn	9:22:51.52	-1.23
MOA	138.0	274	Pn	9:22:41.72	1.16
			Sn	22:59.17	0.54

1146.

2020-09-19 time: 18:12:56.08 UTC ML= 0.3  
 lat: 47.743N lon: 16.086E h= 14.2 km  
 erh= 2.2km erz= 2.3km  
 nr= 7 gap=111 rms=0.39  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.5	107	Pg	18:13:00.48	0.52
			Sg	13:02.67	-0.32
CONA	26.6	321	Pg	18:13:01.74	0.28
			Sg	13:05.18	-0.48
SOP	36.1	101	Sg	18:13:07.85	-0.54
ARSA	69.2	218	Sg	18:13:18.28	-0.25
KRUC	148.5	9	Sn	18:13:38.32	-0.01

1147.

2020-09-20 time: 16:37:35.84 UTC ML= 1.7  
 lat: 47.777N lon: 16.116E h= 11.1 km  
 erh= 1.4km erz= 1.0km  
 nr= 24 gap= 89 rms=0.58  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.0	122	PgU	16:37:39.82	0.50
			Sg	37:42.22	0.18
CONA	25.4	312	Pg	16:37:40.72	-0.08
			Sg	37:44.44	-0.23
SOP	34.8	107	Pg	16:37:42.73	0.37
			Sg	37:47.31	-0.13
ARSA	73.6	217	Pg	16:37:48.94	-0.19
			Sg	37:57.59	-1.91
ZST	87.2	58	Pg	16:37:51.24	-0.30
			Sg	38:03.49	-0.29
EGYH	99.8	114	S*	16:38:07.08	-0.60
MODS	109.1	53	Pn	16:37:54.84	-0.21
			Sn	38:09.30	-0.74
MPLH	126.7	122	Sn	16:38:14.41	0.45
SMOL	127.5	50	Pn	16:37:57.51	0.16
			Sn	38:14.41	0.28
MOA	138.8	273	Pn	16:38:00.10	1.34
			Sn	38:16.60	-0.04
KRUC	144.4	8	Pn	16:37:59.83	0.37
			Sn	38:16.73	-1.15

## Földrengés paraméterek

## Hypocenter Parameters

PERS 147.7 211 Sn 16:38:18.48 -0.13  
 PKSG 176.4 104 Sn 16:38:25.60 0.63  
 BIOA 186.1 267 Pn 16:38:07.56 2.90  
 Sn 38:30.40 3.27\*

MODS 114.5 51 Sn 17:34:40.76 -0.21

1148.

2020-09-20 time: 16:38:08.65 UTC ML= 0.4  
 lat: 47.775N lon: 16.097E h= 12.0 km  
 erh= 3.6km erz= 3.4km  
 nr= 6 gap= 99 rms=0.54  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	17.1	119	Pg	16:38:12.42			0.04
			Sg	38:14.76			-0.53
CONA	24.5	314	Pg	16:38:14.40			0.88
			Sg	38:16.64			-0.69
ARSA	72.6	217	Sg	16:38:31.81			-0.23
MODS	110.3	53	Sn	16:38:42.65			-0.27

1149.

2020-09-20 time: 16:38:31.09 UTC ML= 0.4  
 lat: 47.748N lon: 16.110E h= 15.0 km  
 erh= 1.8km erz= 1.4km  
 nr= 9 gap=108 rms=0.35  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	15.0	111	Pg	16:38:35.29			0.41
			Sg	38:37.68			-0.15
CONA	27.3	317	Pg	16:38:37.12			0.46
			Sg	38:40.32			-0.69
SOP	34.4	102	Pg	16:38:37.58			-0.21
			Sg	38:42.87			-0.15
ARSA	70.8	219	Sg	16:38:53.76			-0.33
MODS	111.4	51	Sn	16:39:05.01			0.10
KRUC	147.6	8	Sn	16:39:12.74			-0.21

1150.

2020-09-20 time: 16:39:02.88 UTC ML= 0.3  
 lat: 47.729N lon: 16.089E h= 9.3 km  
 erh= 1.1km erz= 1.2km  
 nr= 6 gap=117 rms=0.17  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	15.9	102	Pg	16:39:06.31			0.14
			Sg	39:08.60			-0.14
CONA	27.9	322	Pg	16:39:08.30			0.18
			Sg	39:11.96			-0.26
ARSA	68.2	219	Sg	16:39:24.61			-0.15
SMOL	132.5	49	Sn	16:39:42.57			-0.12

1151.

2020-09-20 time: 17:34:06.06 UTC ML= 0.3  
 lat: 47.730N lon: 16.079E h= 13.3 km  
 erh= 3.4km erz= 3.1km  
 nr= 6 gap=117 rms=0.51  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.6	102	Pg	17:34:10.05			0.18
			Sg	34:12.44			-0.39
CONA	27.4	324	Pg	17:34:12.19			0.68
			Sg	34:14.82			-0.94
ARSA	67.8	218	Sg	17:34:27.73			-0.29

1152.

2020-09-21 time: 6:53:32.71 UTC ML= 1.8  
 lat: 45.917N lon: 22.805E h= 0.0 km  
 erh= 2.3km erz=15.2km  
 nr= 11 gap=120 rms=0.70  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	8.5	116	Pg	6:53:33.54			-0.68
			Sg	53:35.41			0.01
GZR	58.2	182	Pg	6:53:43.73			0.63
			Sg	53:51.40			0.19
SIRR	96.8	294	Pg	6:53:50.56			0.56
			Sg	54:03.13			-0.35
DRGR	97.5	356	Pg	6:53:50.40			0.27
			Sg	54:01.59			-2.12
BZS	98.3	250	Pg	6:53:50.60			0.34
			Sg	54:02.61			-1.34
TRPA	246.9	355	Sn	6:54:42.30			2.27

1153.

2020-09-21 time: 8:14:05.55 UTC ML= 1.4  
 lat: 48.800N lon: 20.099E h= 0.0 km  
 erh= 3.0km erz= \*\*\*km  
 nr= 8 gap=128 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	45.3	141	Pg	8:14:14.16			0.51
			Sg	14:19.11			-0.85
LANS	60.4	310	Sg	8:14:24.63			-0.13
NIE	70.6	13	Pg	8:14:19.15			1.00
			Sg	14:26.33			-1.65
VYHS	99.1	250	Sg	8:14:36.92			-0.12
PSZ	99.2	189	Sg	8:14:36.86			-0.23
PENC	127.6	208	Sg	8:14:45.71			-0.40

1154.

2020-09-21 time: 8:15:52.83 UTC ML= 1.7  
 lat: 48.648N lon: 18.505E h= 0.0 km  
 erh= 4.9km erz= 5.0km  
 nr= 11 gap= 81 rms=1.21  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	29.9	125	Pg	8:15:58.86			0.69
			Sg	16:01.74			-0.59
LANS	90.0	52	Pg	8:16:08.10			-0.80
MODS	95.7	251	Pg	8:16:09.94			0.02
PENC	111.5	149	Sg	8:16:26.83			-1.44
PSZ	131.3	128	Sn	8:16:31.41			-3.07
PKSG	140.0	183	Sn	8:16:36.70			0.28
MORC	143.7	331	Pn	8:16:18.18			0.39
			Sn	16:35.55			-1.70
NIE	157.6	57	Pn	8:16:21.66			2.15
			Sn	16:41.20			0.88

1155.

2020-09-21 time: 8:45:45.69 UTC ML= 1.6  
 lat: 46.041N lon: 22.824E h= 3.0 km  
 erh= 1.5km erz= 2.1km  
 nr= 23 gap= 75 rms=0.70  
 Locality: Romania  
 Comments:

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
DEV	18.6	161	Pg	8:45:49.20	0.15
			Sg	45:51.47	-0.20
SURR	63.0	240	PgD	8:45:57.79	0.85
			Sg	46:05.10	-0.62
GZR	72.1	183	Pg	8:45:58.90	0.33
			Sg	46:07.99	-0.63
MARR	74.1	18	PgD	8:45:58.53	-0.41
			Sg	46:08.00	-1.28
DRGR	83.9	354	Pg	8:46:01.53	0.85
			Sg	46:11.55	-0.82
SIRR	93.4	286	Pg	8:46:02.16	-0.22
			Sg	46:15.57	0.18
LOT	98.8	132	PgC	8:46:03.88	0.54
			Sg	46:15.30	-1.81
BZS	105.0	243	Pg	8:46:04.83	0.38
			Sg	46:17.85	-1.23
HERR	132.8	194	PnC	8:46:09.24	0.34
			Sn	46:25.60	-1.41
MDVR	164.8	212	PnD	8:46:13.91	1.02
			Sn	46:34.90	0.79
VOIR	185.8	111	PnD	8:46:16.15	0.65
			Sn	46:38.30	-0.46
DOPR	198.8	92	Sn	8:46:41.20	-0.46

1156.

2020-09-21 time: 8:52:32.11 UTC ML= 2.0  
 lat: 48.511N lon: 17.431E h= 0.0 km  
 erh= 1.3km erz= 2.2km  
 nr= 15 gap=124 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	0.4	328	Pg	8:52:31.90	-0.28
			Sg	52:32.54	0.31
MODS	19.0	217	Pg	8:52:35.13	-0.38
			Sg	52:38.39	0.23
ZST	42.7	215	Pg	8:52:39.97	0.25
			Sg	52:46.94	1.28
KRUC	97.8	309	Pg	8:52:49.59	0.03
			Sg	53:03.63	0.45
VYHS	103.8	91	ePg	8:52:51.50	0.85
			eSg	53:04.70	-0.41
RONA	123.6	223	Pg	8:52:54.32	0.14
			Sg	53:11.12	-0.28
CONA	133.4	241	Pn	8:52:55.18	-0.60
			Sn	53:12.69	-1.55
MORC	141.0	3	Sn	8:53:13.71	-2.22

1157.

2020-09-21 time: 9:45:49.07 UTC ML= 1.9  
 lat: 48.838N lon: 21.614E h= 0.0 km  
 erh= 1.7km erz= 4.3km  
 nr= 14 gap= 66 rms=0.59  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	49.5	78	ePg	9:45:57.30	-0.62
			eSg	46:06.00	1.18
ABAH	66.2	205	Pg	9:46:01.65	0.75
STHS	69.8	337	ePg	9:46:01.30	-0.24
			eSg	46:10.50	-0.77
KECS	92.0	245	ePg	9:46:05.40	-0.09
			eSg	46:16.10	-2.20
TRPA	104.2	139	Pg	9:46:07.91	0.22
			Sg	46:21.16	-1.05
NIE	114.8	304	Pg	9:46:10.37	0.79
			Sg	46:24.82	-0.75
KWP	118.9	42	Pg	9:46:10.27	-0.04
			Sg	46:26.96	0.09
PSZ	163.3	231	Sn	9:46:37.54	-0.29

1158.

2020-09-22 time: 0:37:51.29 UTC ML= 2.6  
 lat: 45.889N lon: 16.006E h= 7.6 km  
 erh= 1.5km erz= 1.2km  
 nr= 51 gap= 54 rms=0.83  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	3.9	288	PgU	0:37:52.95	0.14
			Sg	37:53.86	-0.14
ZAG	6.8	188	PgD	0:37:53.61	0.50
			Sg	37:54.63	0.11
GCIS	29.5	265	iPgD	0:37:57.01	0.29
			iSg	38:00.60	-0.36
GOLS	32.5	295	iPgC	0:37:57.60	0.35
			eSg	38:01.83	-0.07
CRES	43.2	261	Pg	0:37:59.13	0.01
			Sg	38:05.04	-0.19
DOBS	50.6	305	iPgC	0:38:00.85	0.42
			eSg	38:07.71	0.15
KOGS	64.9	17	Pg	0:38:03.70	0.74
			Sg	38:11.89	-0.18
BOJS	72.6	234	iPg	0:38:03.74	-0.59
			eSg	38:13.22	-1.29
GROS	74.5	329	Pg	0:38:04.85	0.19
			Sg	38:13.37	-1.72
PKDS	80.4	284	iPg	0:38:05.73	0.02
			eSg	38:14.50	-2.46
BEHE	87.8	43	Pg	0:38:05.93	-1.09
PERS	107.6	320	Pg	0:38:10.22	-0.34
			Sg	38:23.65	-1.93
SOKA	115.4	319	Pn	0:38:11.38	-0.36
			Sn	38:24.62	-3.06
OBKA	131.9	301	Pn	0:38:13.92	0.13
ARSA	155.8	346	Pn	0:38:18.69	1.92
			Sn	38:35.71	-0.94
BLY	156.8	144	Pn	0:38:16.80	-0.11
			Sn	38:37.46	0.57
KOVH	163.8	82	Pn	0:38:17.54	-0.23
PKSV	174.4	90	Pn	0:38:18.71	-0.38
			Sn	38:38.20	-2.58
TRI	175.4	263	Pn	0:38:20.43	1.21
			Sn	38:41.87	0.86
MPLH	184.7	40	Sn	0:38:42.74	-0.34
PKS9	191.7	66	Pn	0:38:20.55	-0.71
EGYH	197.9	31	Pn	0:38:22.86	0.84
RONA	202.5	6	Pn	0:38:23.66	1.06
			Sn	38:51.56	4.54*
SOP	203.9	12	Pn	0:38:24.34	1.57
			Sn	38:51.68	4.36*
PKSM	207.1	80	Pn	0:38:22.72	-0.46
			Sn	38:51.38	3.33
MORH	207.4	80	Pn	0:38:22.68	-0.53
			Sn	38:51.92	3.81*
CONA	226.9	357	Pn	0:38:26.49	0.84
			Sn	38:53.20	0.75
MOA	255.1	329	Pn	0:38:30.34	1.18
			Sn	38:58.64	-0.06
BIOA	269.8	318	Pn	0:38:31.24	0.25
ABTA	285.5	290	Pn	0:38:33.39	0.45
KHC	404.2	333	ePn	0:38:48.40	0.66*
			eSn	39:30.00	-1.78*
ZVC	417.5	341	ePn	0:38:50.80	1.39*
			eSn	39:33.20	-1.54*

## Földrengés paraméterek

## Hypocenter Parameters

1159.  


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 2020-09-22 time: 8:49:07.65 UTC ML= 1.3  
 lat: 48.921N lon: 21.042E h= 6.8 km  
 erh= 3.0km erz= 4.8km  
 nr= 8 gap=155 rms=0.62  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
STHS	57.1	15	Pg	8:49:17.93	0.02
			Sg	49:24.98	-0.94
KECS	63.6	220	Pg	8:49:19.97	0.90
			Sg	49:27.06	-0.92
ABAH	71.0	168	Sg	8:49:29.76	-0.56
KOLS	90.2	89	Pg	8:49:23.91	0.10
			Sg	49:37.09	0.68
KWP	144.7	57	Sn	8:49:50.32	-0.42

1160.  


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 2020-09-22 time: 9:02:46.20 UTC ML= 0.7  
 lat: 47.718N lon: 18.712E h= 0.0 km  
 erh= 1.3km erz= 430km  
 nr= 7 gap=145 rms=0.28  
 Locality: Tokod  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	35.1	138	Sg	9:02:56.94	-0.41
PENC	43.5	79	Sg	9:03:00.05	0.02
PKSG	43.6	214	Pg	9:02:53.83	-0.15
			Sg	03:00.66	0.61
CSKK	52.0	221	Sg	9:03:02.76	0.02
VYHS	86.8	6	Sg	9:03:13.66	-0.14
PSZ	91.4	76	Sg	9:03:15.57	0.33

1161.  


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 2020-09-22 time: 9:15:48.09 UTC ML= 1.5  
 lat: 47.839N lon: 19.104E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 6 gap=156 rms=0.65  
 Locality: Szendehegy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.3	112	Pg	9:15:51.18	0.53
			Sg	15:52.91	0.26
BUD	40.0	189	Sg	9:16:00.34	-0.46
PSZ	59.8	82	Sg	9:16:06.15	-0.93
VYHS	75.5	345	Pg	9:16:02.07	0.51
			Sg	16:10.93	-1.15

1162.  


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 2020-09-22 time: 10:27:43.91 UTC ML= 2.0  
 lat: 46.111N lon: 21.663E h= 12.0 km  
 erh= 6.4km erz= 3.4km  
 nr= 20 gap=142 rms=1.16  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SIRR	17.5	359	PgU	10:27:47.65	-0.04
			Sg	27:50.26	-0.39
BZS	55.0	184	Pg	10:27:53.87	-0.09
			Sg	28:00.49	-1.32
DRGR	110.5	47	Pn	10:28:03.44	0.25
			Sn	28:16.16	-2.06
GZR	117.7	133	Pn	10:28:04.12	0.04
			Sn	28:17.46	-2.36
MARR	128.4	61	PnC	10:28:04.52	-0.89
			Sn	28:19.70	-2.49

MDVR	147.8	179	PnD	10:28:09.74	1.91
			Sn	28:27.60	1.11
HERR	148.8	157	PnC	10:28:09.35	1.39
			Sn	28:26.80	0.09
MESR	151.8	40	Sn	10:28:27.20	-0.19
CJR	163.2	66	Pn	10:28:11.03	1.28
			Sn	28:32.67	2.77
LOT	179.6	114	PnD	10:28:12.31	0.51
			Sn	28:34.30	0.75
PSZ	241.8	326	Sn	10:28:45.89	-1.48

1163.  


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 2020-09-22 time: 11:51:40.43 UTC ML= 1.5  
 lat: 47.378N lon: 16.357E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 11 gap=153 rms=0.98  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	36.1	353	Pg	11:51:46.44	-0.44
			Sg	51:51.06	-0.84
SOP	37.2	24	Pg	11:51:47.64	0.56
			Sg	51:52.26	0.00
ARSA	64.6	257	Pg	11:51:53.47	1.50
			Sg	51:59.89	-1.09
CONA	71.6	329	Pg	11:51:54.27	1.04
			Sg	52:03.11	-0.09
KOGS	103.7	185	Sg	11:52:12.54	-0.85
PERS	125.3	229	Sg	11:52:19.18	-1.09
MODS	130.4	32	Sg	11:52:19.78	-2.10

1164.  


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 2020-09-23 time: 3:57:26.56 UTC ML= 2.3  
 lat: 45.889N lon: 16.013E h= 9.8 km  
 erh= 1.5km erz= 0.9km  
 nr= 36 gap= 62 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.5	287	Pg	3:57:28.25	-0.23
			Sg	57:29.56	-0.41
ZAG	6.8	193	Pg	3:57:28.70	0.02
			Sg	57:29.91	-0.43
GCIS	30.0	265	iPgC	3:57:32.64	0.44
			iSg	57:36.85	0.25
GOLS	33.1	294	iPg	3:57:33.21	0.49
			iSg	57:37.94	0.42
CRES	43.8	261	Pg	3:57:34.93	0.36
			Sg	57:41.35	0.54
KOGS	64.8	16	Pg	3:57:38.04	-0.23
			Sg	57:46.22	-1.18
BOJS	73.1	234	iPg	3:57:39.48	-0.24
			iSg	57:49.05	-0.94
GROS	74.9	328	Pg	3:57:39.90	-0.15
			Sg	57:49.04	-1.53
SOKA	115.8	319	Pn	3:57:46.38	-0.41
			Sn	58:00.53	-2.03
GBAS	122.0	272	iPn	3:57:47.86	0.30
			iSn	58:03.16	-0.77
MOZS	129.5	290	iPn	3:57:49.06	0.57
			iSn	58:05.13	-0.47
OBKA	132.4	301	Pn	3:57:49.54	0.68
			Sn	58:05.81	-0.44
ARSA	156.0	346	Pn	3:57:52.45	0.65
			Sn	58:11.33	-0.15
BLY	156.4	144	Pn	3:57:51.85	0.00
			Sn	58:10.48	-1.10
KOVH	163.2	82	Sn	3:58:13.84	0.76
TRI	176.0	263	Sn	3:58:17.96	2.04
MPLH	184.4	39	Sn	3:58:17.66	-0.13
EGYH	197.7	31	Pn	3:57:56.97	-0.02

## Hypocenter Parameters

## Földrengés paraméterek

RONA 202.5 6 Sn 58:25.23 4.50\*  
 Pn 3:57:58.28 0.69  
 Sn 58:23.88 2.08  
 PKSM 206.6 80 Sn 3:58:26.73 4.03\*  
 MORH 206.8 80 Sn 3:58:26.23 3.46\*  
 CONA 227.1 357 Pn 3:58:02.31 1.65  
 KHC 404.5 333 ePn 3:58:24.00 1.22\*

1165.

2020-09-23 time: 9:40:58.79 UTC ML= 0.6  
 lat: 47.197N lon: 18.305E h= 0.0 km  
 erh= 2.0km erz= 532km  
 nr= 7 gap=150 rms=0.35  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.7	350	Pg	9:41:02.10	-0.03
			Sg	41:04.36	-0.38
PKSG	22.6	17	Pg	9:41:02.91	0.09
			Sg	41:06.02	0.06
MPLH	58.1	267	Sg	9:41:17.47	0.22
MORH	112.2	167	Sg	9:41:34.94	0.49
KOVH	124.3	187	Sg	9:41:37.05	-1.25

1166.

2020-09-23 time: 9:44:22.27 UTC ML= 2.1  
 lat: 48.238N lon: 21.233E h= 0.0 km  
 erh= 2.4km erz= 3.0km  
 nr= 13 gap= 98 rms=0.78  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.4	4	Pg	9:44:23.92	0.50
			Sg	44:24.81	0.50
KECS	61.7	296	Pg	9:44:33.93	0.64
			Sg	44:40.62	-1.26
TRPA	97.9	97	Pg	9:44:39.96	0.21
			Sg	44:51.77	-1.62
PSZ	105.9	250	Sg	9:44:55.09	-0.83
LTVH	107.3	152	Sg	9:44:56.47	0.10
STHS	131.0	0	ePn	9:44:46.10	0.46
			eSn	45:02.50	-1.37
NIE	147.6	333	Sn	9:45:06.22	-1.33
LANS	164.8	308	Sn	9:45:11.97	0.60
DRGR	195.6	145	Sn	9:45:18.89	0.68

1167.

2020-09-23 time: 10:05:15.77 UTC ML= 1.3  
 lat: 47.852N lon: 16.023E h= 0.0 km  
 erh= 4.2km erz= 7.2km  
 nr= 8 gap= 96 rms=1.17  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.8	305	Pg	10:05:19.64	1.23
			Sg	05:21.39	0.93
RONA	26.6	130	Pg	10:05:21.26	0.74
			Sg	05:24.71	0.49
ARSA	76.7	209	Sg	10:05:38.77	-1.38
MODS	110.0	58	Sg	10:05:49.38	-1.35
KRUC	137.4	12	Pn	10:05:39.58	-0.35
			Sn	05:55.92	-2.86

1168.

2020-09-23 time: 10:13:51.80 UTC ML= 1.2  
 lat: 47.862N lon: 16.055E h= 0.0 km  
 erh= 3.7km erz= 6.7km  
 nr= 7 gap= 86 rms=0.81  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	297	Pg	10:13:55.08	0.39
			Sg	13:57.52	0.57
RONA	25.6	135	Pg	10:13:57.19	0.82
			Sg	14:00.63	0.69
ARSA	78.9	210	Sg	10:14:15.77	-1.12
MODS	107.3	58	Pg	10:14:10.32	-0.64
KRUC	135.7	11	Sn	10:14:32.93	-1.51

1169.

2020-09-23 time: 10:24:55.87 UTC ML= 1.1  
 lat: 48.487N lon: 19.527E h= 0.0 km  
 erh= 2.4km erz= 740km  
 nr= 7 gap=114 rms=0.49  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	51.1	271	Pg	10:25:05.13	0.13
			Sg	25:11.96	-0.15
PSZ	68.9	157	Pg	10:25:08.74	0.56
			Sg	25:16.88	-0.90
KECS	70.8	90	Pg	10:25:08.84	0.31
			Sg	25:17.48	-0.91
LANS	73.9	357	Sg	10:25:19.09	-0.27

1170.

2020-09-23 time: 10:26:07.68 UTC ML= 0.9  
 lat: 48.486N lon: 19.561E h= 0.0 km  
 erh= 3.1km erz= 911km  
 nr= 6 gap=112 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	53.6	271	Pg	10:26:17.56	0.32
			Sg	26:24.11	-0.59
PSZ	67.8	159	Pg	10:26:20.39	0.60
			Sg	26:28.25	-0.98
KECS	68.4	90	Sg	10:26:29.28	-0.13
LANS	74.2	355	Sg	10:26:31.01	-0.26

1171.

2020-09-23 time: 12:02:38.96 UTC ML= 1.5  
 lat: 46.509N lon: 22.574E h= 0.0 km  
 erh= 8.2km erz= \*\*\*km  
 nr= 8 gap=162 rms=1.46  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	33.1	18	Pg	12:02:45.32	0.45
			Sg	02:48.43	-1.05
MARR	45.6	66	PgC	12:02:46.75	-0.36
			Sg	02:52.30	-1.17
BZS	123.8	217	Pg	12:02:59.58	-1.50
			Sg	03:18.35	0.02
GZR	125.0	173	Pg	12:03:04.70	3.41
			Sg	03:18.76	0.06



## Földrengés paraméterek

## Hypocenter Parameters

1172.

2020-09-24 time: 7:49:12.73 UTC ML= 1.2  
 lat: 47.323N lon: 18.445E h= 0.0 km  
 erh= 1.6km erz= 362km  
 nr= 8 gap=202 rms=0.26  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.7	331	Pg	7:49:14.37	0.10
			Sg	49:15.00	-0.48
CSKK	14.7	288	Pg	7:49:15.63	0.28
			Sg	49:17.58	0.19
PKST	31.9	257	Pg	7:49:18.34	-0.09
			Sg	49:22.30	-0.57
MORH	124.1	173	Sg	7:49:52.08	-0.08
PKSM	124.5	173	Sg	7:49:52.48	0.19

1173.

2020-09-24 time: 8:40:00.72 UTC ML= 1.5  
 lat: 47.818N lon: 19.043E h= 0.0 km  
 erh= 4.6km erz= 6.5km  
 nr= 14 gap= 67 rms=1.07  
 Locality: Verőce  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	18.2	100	Pg	8:40:04.35	0.39
			Sg	40:06.06	-0.43
PSZ	64.7	80	Pg	8:40:12.69	0.42
			Sg	40:20.47	-0.82
VYHS	76.7	348	Pg	8:40:16.15	1.73
			Sg	40:25.09	-0.02
KECS	130.4	55	Pg	8:40:23.98	-0.03
			Sg	40:40.45	-1.72
MPLH	134.2	238	Sn	8:40:41.16	-1.87
EGYH	136.1	251	Sn	8:40:42.46	-0.99
PKS6	141.1	164	Sn	8:40:44.27	-0.28
MODS	145.3	295	Sn	8:40:43.46	-2.03
MORH	180.7	190	Sn	8:40:54.71	1.38
PKSM	181.1	190	Sn	8:40:54.91	1.47

1174.

2020-09-24 time: 9:00:07.64 UTC ML= 1.5  
 lat: 48.919N lon: 20.995E h= 0.0 km  
 erh= 2.9km erz= 4.8km  
 nr= 8 gap=147 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	58.3	18	Pg	9:00:19.02	0.98
			Sg	00:24.94	-1.22
KECS	61.3	218	Pg	9:00:18.46	-0.12
			Sg	00:27.10	-0.01
ABAH	71.5	165	Pg	9:00:20.58	0.16
			Sg	00:29.76	-0.62
NIE	74.6	318	Sg	9:00:31.62	0.26
PSZ	137.9	216	Sn	9:00:50.14	-0.62

1175.

2020-09-24 time: 13:30:20.55 UTC ML= 1.9  
 lat: 47.191N lon: 16.353E h= 0.0 km  
 erh= 3.4km erz= 5.0km  
 nr= 18 gap= 94 rms=1.26  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	56.7	356	Pg	13:30:31.02	0.34

			Sg	30:37.65	-0.93
ARSA	63.2	276	Pg	13:30:32.73	0.90
			Sg	30:38.72	-1.91
KOGS	82.9	185	Pg	13:30:37.30	1.94
			Sg	30:47.12	0.21
CONA	89.9	336	Pg	13:30:37.52	0.91
			Sg	30:47.50	-1.63
MPLH	90.0	91	Sg	13:30:48.21	-0.94
GROS	103.9	219	Pg	13:30:37.92	-1.18
			Sg	30:51.84	-1.74
PERS	112.6	237	Pg	13:30:41.22	0.57
			Sg	30:54.57	-1.76
SOKA	115.6	240	Pg	13:30:42.05	0.87
PTJ	146.7	192	Sn	13:31:03.71	-1.91
MODS	148.6	28	Sn	13:31:04.48	-1.58
MOA	173.4	295	Pn	13:30:50.42	1.22
			Sn	31:13.63	2.08

1176.

2020-09-24 time: 22:16:43.66 UTC ML= 1.8  
 lat: 46.945N lon: 21.204E h= 12.2 km  
 erh= 1.2km erz= 1.1km  
 nr= 25 gap= 50 rms=0.52  
 Locality: Vésztő  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BORR	47.1	70	PgD	22:16:52.56	0.22
			Sg	17:00.10	0.99
LTVH	72.0	47	Pg	22:16:56.37	-0.32
			Sg	17:05.34	-1.52
AMBH	75.6	209	Sg	22:17:07.64	-0.36
BSZH	81.3	299	Sg	22:17:09.98	0.18
SIRR	83.0	155	Pg	22:16:58.23	-0.41
			Sg	17:08.37	-1.96
DRGR	116.1	98	Pn	22:17:03.55	-0.06
			Sn	17:18.17	-1.00
MESR	134.5	80	PnD	22:17:06.59	0.69
			Sn	17:23.40	0.15
PSZ	146.5	318	Pn	22:17:07.79	0.39
			Sn	17:25.19	-0.73
MARR	149.2	102	PnD	22:17:07.78	0.06
SURR	150.2	152	PnC	22:17:08.12	0.27
			Sn	17:26.00	-0.72
ABAH	150.2	1	Pn	22:17:07.87	0.01
			Sn	17:26.80	0.07
BZS	151.0	168	Pn	22:17:08.43	0.47
			Sn	17:26.95	0.04
PKB2	152.8	259	Sn	22:17:27.76	0.46
TRPA	165.7	37	Sn	22:17:30.47	0.29
GZR	210.9	145	Pn	22:17:15.74	0.31
			Sn	17:40.92	0.71

1177.

2020-09-25 time: 2:37:44.01 UTC ML= 0.5  
 lat: 47.770N lon: 16.104E h= 7.7 km  
 erh= 1.3km erz= 1.3km  
 nr= 5 gap=196 rms=0.13  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.4	118	Pg	2:37:47.39	0.14
			Sg	37:49.75	-0.02
CONA	25.3	314	Pg	2:37:48.75	0.01
			Sg	37:52.36	-0.06
SOP	35.4	106	Sg	2:37:55.22	-0.31

## Hypocenter Parameters

## Földrengés paraméterek

1178.  


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 2020-09-25 time: 5:47:43.07 UTC ML= 1.0  
 lat: 47.622N lon: 18.369E h= 0.0 km  
 erh= 2.4km erz= 292km  
 nr= 6 gap=168 rms=0.18  
 Locality: Vértesszőlős  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	25.7	176	Pg	5:47:47.71	0.06
			Sg	47:50.82	-0.41
CSKK	30.0	196	Pg	5:47:48.46	0.04
			Sg	47:52.83	0.24
PKST	47.6	212	Sg	5:47:58.00	-0.21
VYHS	103.0	20	Sg	5:48:15.88	0.08
UPC	364.2	332	eSn	5:48:44.60	-31.82*
PVCC	426.1	319	eSn	5:48:56.80	-33.35*

1179.  


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 2020-09-25 time: 7:07:22.15 UTC ML= 2.1  
 lat: 48.444N lon: 17.215E h= 0.0 km  
 erh= 1.1km erz= 397km  
 nr= 11 gap=105 rms=0.33  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	9.0	149	Pg	7:07:23.54	-0.22
			Sg	07:24.90	-0.12
SMOL	17.6	64	Pg	7:07:25.30	0.00
			Sg	07:28.21	0.46
ZST	28.7	197	Pg	7:07:27.61	0.33
			Sg	07:31.02	-0.26
KRUC	91.5	319	Sg	7:07:50.56	-0.66
RONA	107.4	220	Pg	7:07:41.65	0.33
			Sg	07:56.28	0.00
CONA	115.8	240	Sg	7:07:58.79	-0.17
VYHS	120.0	87	Sg	7:07:57.92	-2.37*

1180.  


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 2020-09-25 time: 8:05:58.37 UTC ML= 1.4  
 lat: 46.805N lon: 17.268E h= 0.0 km  
 erh= 1.7km erz= 3.1km  
 nr= 10 gap=149 rms=0.42  
 Locality: Cserszegtomaj  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	45.6	27	Pg	8:06:06.97	0.45
			Sg	06:12.60	-0.27
EGYH	68.3	4	Sg	8:06:20.93	0.85
PKST	77.1	49	Pg	8:06:11.89	-0.25
			Sg	06:22.69	-0.19
KOVH	102.1	141	Sg	8:06:31.17	0.35
PKSG	107.4	53	Sg	8:06:32.18	-0.32
MORH	124.2	122	Sg	8:06:37.70	-0.16
PKSM	124.3	122	Sg	8:06:37.90	0.02
ARSA	141.6	290	Sn	8:06:41.46	-0.87

1181.  


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 2020-09-25 time: 8:09:54.78 UTC ML= 1.8  
 lat: 48.961N lon: 16.495E h= 0.0 km  
 erh= 8.4km erz= 4.4km  
 nr= 9 gap=219 rms=0.80  
 Locality: Czech Republic  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KRUC	13.4	327	Pg	8:09:57.34	0.17
			Sg	09:58.44	-0.59

CONA	124.1	202	Pg	8:10:17.47	0.53
			Sg	10:31.73	-2.49
RONA	141.1	186	Pn	8:10:19.68	0.27
			Sn	10:37.35	-1.26
ARSA	203.5	201	Sn	8:10:53.72	1.24
MOA	206.2	233	Pn	8:10:28.13	0.60
			Sn	10:52.97	-0.10

1182.  


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 2020-09-25 time: 8:39:46.31 UTC ML= 1.5  
 lat: 48.228N lon: 18.771E h= 0.0 km  
 erh= 2.1km erz= 4.2km  
 nr= 15 gap= 91 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	30.0	9	Pg	8:39:51.96	0.29
			Sg	39:54.84	-1.01
A338	39.1	233	Sg	8:39:58.54	-0.19
PENC	61.8	142	Sg	8:40:06.77	0.83
PSZ	90.5	112	Sg	8:40:15.11	0.03
PKSG	97.2	197	Sg	8:40:17.52	0.32
CSKK	103.4	202	Sg	8:40:19.15	-0.03
			Pg	8:40:08.50	2.19
MODS	112.0	278	Sg	40:21.56	-0.34
			Sg	8:40:23.04	0.26
LANS	114.8	27	Sg	8:40:23.24	-1.54
PKST	121.0	207	Sg	8:40:25.17	-0.56
ZST	124.0	268	Sg	8:40:26.05	-1.65
KECS	130.2	77	Sg	8:40:29.37	-0.63
EGYH	140.5	230	Sn	8:40:31.98	-0.04
MPLH	149.5	218	Sn		

1183.  


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 2020-09-25 time: 8:58:51.22 UTC ML= 1.1  
 lat: 47.938N lon: 20.407E h= 0.0 km  
 erh= 2.8km erz= 481km  
 nr= 5 gap=210 rms=0.23  
 Locality: Felsőtárkány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	38.4	267	Pg	8:58:57.88	-0.20
			Sg	59:03.71	0.28
KECS	60.9	5	Sg	8:59:10.33	-0.26
ABAH	73.7	57	Pg	8:59:04.38	0.00
			Sg	59:15.05	0.41

1184.  


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 2020-09-25 time: 9:08:03.73 UTC ML= 1.5  
 lat: 48.988N lon: 20.246E h= 0.0 km  
 erh= 2.2km erz= 3.0km  
 nr= 9 gap= 80 rms=0.59  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
NIE	48.2	6	Pg	9:08:13.23	0.89
			Sg	08:17.75	-1.30
KECS	58.8	163	Sg	9:08:22.12	-0.31
LANS	59.7	288	Sg	9:08:22.87	0.16
STHS	86.9	57	Sg	9:08:31.16	-0.21
VYHS	117.4	242	Sg	9:08:40.64	-0.40
OJC	140.8	347	Pn	9:08:28.57	0.25
			Sn	08:46.97	-0.53
KOLS	148.6	92	Sn	9:08:49.28	0.05

## Földrengés paraméterek

## Hypocenter Parameters

1185.

2020-09-25 time: 10:11:49.47 UTC ML= 1.4  
 lat: 48.386N lon: 19.838E h= 0.0 km  
 erh= 1.7km erz= 578km  
 nr= 9 gap=104 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	49.1	77	Pg	10:11:58.49	0.25
			Sg	12:05.12	0.03
PSZ	52.2	175	Pg	10:11:59.09	0.30
			Sg	12:05.22	-0.83
VYHS	75.1	279	Pg	10:12:03.49	0.62
			Sg	12:12.65	-0.68
ABAH	104.4	96	Sg	10:12:22.42	-0.23
NIE	120.0	17	Pg	10:12:10.67	-0.23
			Sg	12:27.24	-0.38

1186.

2020-09-25 time: 12:23:41.67 UTC ML= 1.6  
 lat: 47.773N lon: 16.094E h= 8.1 km  
 erh= 2.1km erz= 1.7km  
 nr= 22 gap= 92 rms=0.81  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.2	118	PgU	12:23:45.53	0.46
			Sg	23:47.72	0.00
CONA	24.5	315	Pg	12:23:46.64	0.37
			Sg	23:49.55	-0.32
SOP	36.2	106	Pg	12:23:48.52	0.22
			Sg	23:53.17	-0.30
ARSA	72.3	217	Pg	12:23:54.17	-0.49
			Sg	24:02.61	-2.19
EGYH	101.2	113	Sg	12:24:12.75	-1.17
MODS	110.6	53	Pn	12:24:00.85	-0.61
			Sn	24:14.96	-1.94
SMOL	129.0	50	Pn	12:24:04.21	0.45
			Sn	24:21.58	0.60
MOA	137.2	274	Pn	12:24:05.85	1.07
			Sn	24:22.64	-0.16
KRUC	145.0	9	Pn	12:24:05.67	-0.08
			Sn	24:22.79	-1.74
PERS	146.6	210	Sn	12:24:24.25	-0.63
PKST	156.9	111	Pn	12:24:08.28	1.04
			Sn	24:28.71	1.53
BIOA	184.5	267	Pn	12:24:11.54	0.87
			Sn	24:34.21	0.92

1187.

2020-09-25 time: 12:24:23.02 UTC ML= 0.7  
 lat: 47.757N lon: 16.070E h= 11.7 km  
 erh= 2.4km erz= 2.3km  
 nr= 6 gap=106 rms=0.36  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.1	110	Pg	12:24:27.21	0.34
			Sg	24:29.47	-0.41
CONA	24.6	321	Pg	12:24:28.24	0.35
			Sg	24:31.17	-0.52
ARSA	69.7	216	Sg	12:24:45.26	-0.24
MODS	113.2	53	Sn	12:24:57.76	-0.24

1188.

2020-09-25 time: 13:10:13.34 UTC ML= 0.8  
 lat: 47.758N lon: 16.087E h= 11.4 km  
 erh= 1.5km erz= 1.5km  
 nr= 8 gap=104 rms=0.29  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.0	113	Pg	13:10:17.26	0.27
			Sg	10:19.58	-0.27
CONA	25.3	318	Pg	13:10:18.67	0.37
			Sg	10:21.81	-0.37
SOP	36.3	103	Pg	13:10:20.25	0.12
			Sg	10:25.07	-0.37
ARSA	70.7	217	Sg	13:10:35.69	-0.41
MODS	112.0	52	Sn	13:10:47.99	-0.12

1189.

2020-09-25 time: 15:44:07.23 UTC ML= 0.7  
 lat: 47.740N lon: 16.075E h= 2.0 km  
 erh= 1.9km erz= 2.8km  
 nr= 6 gap=112 rms=0.29  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	17.2	105	Pg	15:44:10.28	-0.04
			Sg	44:12.62	-0.11
CONA	26.4	323	Pg	15:44:12.36	0.41
			Sg	44:15.00	-0.63
ARSA	68.5	217	Sg	15:44:28.94	-0.07
SMOL	132.5	50	Sn	15:44:48.71	-0.01

1190.

2020-09-25 time: 17:07:39.18 UTC ML= 0.6  
 lat: 47.754N lon: 16.103E h= 14.6 km  
 erh= 1.5km erz= 1.5km  
 nr= 7 gap=105 rms=0.26  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	15.7	113	Pg	17:07:43.23	0.23
			Sg	07:45.74	-0.24
CONA	26.5	317	Pg	17:07:44.89	0.31
			Sg	07:48.41	-0.38
SOP	35.0	103	Sg	17:07:51.12	-0.12
ARSA	71.0	218	Sg	17:08:02.11	-0.12
KRUC	147.0	8	Sn	17:08:20.69	-0.32

1191.

2020-09-25 time: 19:21:07.43 UTC ML= 1.9  
 lat: 48.606N lon: 17.610E h= 5.1 km  
 erh= 1.8km erz= 1.6km  
 nr= 27 gap= 68 rms=0.82  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SMOL	16.9	232	Pg	19:21:11.21	0.63
			Sg	21:13.52	0.48
MODS	35.7	224	Pg	19:21:14.20	0.33
			Sg	21:18.59	-0.31
A337	42.4	162	Pg	19:21:15.88	0.82
			Sg	21:22.30	1.29
ZST	59.1	219	Pg	19:21:17.79	-0.24
			Sg	21:25.17	-1.12
A338	85.8	140	Pg	19:21:22.71	-0.06
			Sg	21:33.40	-1.34

## Hypocenter Parameters

Station	Dist	Azm	Phase	hr	mn	sec	res
VYHS	91.4	98	Pg	19:21:23.16		-0.62	
			Sg	21:34.61		-1.91	
KRUC	102.6	300	Pg	19:21:25.97		0.20	
			Sg	21:38.72		-1.36	
MORC	130.3	358	Pn	19:21:30.34		0.28	
			Sn	21:46.61		-1.09	
EGYH	133.9	189	Sn	19:21:48.16		-0.35	
RONA	140.4	224	Pn	19:21:31.94		0.61	
			Sn	21:49.77		-0.20	
CSKK	146.5	161	Sn	19:21:50.12		-1.20	
PKSG	147.1	157	Sn	19:21:49.92		-1.52	
CONA	150.1	240	Sn	19:21:51.93		-0.19	
PENC	153.9	126	Sn	19:21:53.99		1.04	
MPLH	159.8	182	Sn	19:21:54.89		0.63	
KRLC	174.1	340	Sn	19:21:59.16		1.72	
PSZ	186.1	114	Sn	19:22:01.52		1.43	
NIE	217.4	65	Sn	19:22:08.50		1.45	

1192.

2020-09-25 time: 20:35:02.45 UTC ML= 1.3  
 lat: 47.815N lon: 16.229E h= 8.6 km  
 erh= 1.6km erz= 1.3km  
 nr= 18 gap= 71 rms=0.56  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	13.8	158	Pg	20:35:05.67		0.31	
			Sg	35:07.53		-0.10	
SOP	28.8	121	Pg	20:35:08.20		0.39	
			Sg	35:11.49		-0.50	
CONA	30.2	295	Pg	20:35:08.20		0.15	
			Sg	35:12.30		-0.13	
ARSA	82.3	220	Pg	20:35:16.82		-0.40	
			Sg	35:26.63		-2.11	
MODS	99.8	52	ePg	20:35:20.40		0.07	
			eSg	35:33.60		-0.68	
MPLH	122.1	126	Sn	20:35:39.49		-0.61	
KRUC	139.1	5	Pn	20:35:25.58		-0.14	
			Sn	35:42.80		-1.08	
MOA	147.0	271	Pn	20:35:27.32		0.62	
			Sn	35:45.78		0.16	
PKST	149.4	114	Pn	20:35:28.04		1.04	
			Sn	35:45.61		-0.54	
BIOA	194.7	266	Sn	20:35:58.19		1.97	

1193.

2020-09-26 time: 4:42:34.15 UTC ML= 1.4  
 lat: 48.028N lon: 17.094E h= 10.0 km  
 erh= 2.6km erz= 2.6km  
 nr= 9 gap=123 rms=0.50  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZST	18.7	2	PgD	4:42:38.41		0.47	
			Sg	42:40.66		-0.23	
MODS	40.7	19	Pg	4:42:41.97		0.33	
			Sg	42:46.62		-0.86	
SOP	55.5	226	Sg	4:42:52.55		0.47	
RONA	70.0	239	Sg	4:42:56.08		-0.56	
MPLH	101.1	161	Sg	4:43:05.78		-0.67	
PKST	110.9	140	Sn	4:43:08.69		-0.33	
VYHS	139.3	68	Sn	4:43:15.87		0.56	

1194.

2020-09-27 time: 4:32:37.03 UTC ML= 2.0  
 lat: 46.180N lon: 16.639E h= 11.9 km  
 erh= 2.2km erz= 1.8km  
 nr= 17 gap=135 rms=0.69  
 Locality: Croatia  
 Comments:

## Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
BEHE	33.9	18	Pg	4:32:43.38		-0.07	
			Sg	32:48.10		-0.36	
KOGS	42.2	315	Pg	4:32:45.99		1.12	
			Sg	32:50.30		-0.68	
PTJ	61.2	239	Sg	4:32:55.92		-0.94	
GROS	93.0	290	Pg	4:32:53.65		-0.12	
			Sg	33:05.73		-1.10	
CRES	99.7	247	P*	4:32:55.56		0.73	
			S*	33:09.05		0.34	
KOVH	113.4	95	Pn	4:32:57.12		0.44	
			Sn	33:11.03		-0.97	
PERS	127.5	293	Sn	4:33:15.02		-0.13	
PKSV	129.0	105	Pn	4:32:58.85		0.22	
SOKA	135.3	294	Sn	4:33:16.93		0.06	
ARSA	146.4	324	Sn	4:33:19.49		0.15	
EGYH	147.3	21	Pn	4:32:59.73		-1.19	
RONA	170.9	351	Sn	4:33:26.14		1.36	

1195.

2020-09-27 time: 5:12:24.59 UTC ML= 1.9  
 lat: 46.203N lon: 16.607E h= 8.5 km  
 erh= 1.2km erz= 0.8km  
 nr= 16 gap=140 rms=0.33  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	32.4	24	Pg	5:12:30.36		-0.22	
			Sg	12:35.13		-0.11	
KOGS	38.7	315	Pg	5:12:31.95		0.29	
			Sg	12:37.24		0.06	
PTJ	60.5	236	Sg	5:12:43.39		-0.61	
GROS	89.8	289	Pg	5:12:40.93		0.23	
			Sg	12:53.00		-0.26	
CRES	98.4	245	Sg	5:12:56.30		0.30	
KOVH	116.1	96	Pn	5:12:45.15		0.14	
			Sn	12:58.41		-2.53*	
PERS	124.3	293	Pn	5:12:45.80		-0.23	
			Sn	13:02.22		-0.54	
MPLH	129.0	34	Sn	5:13:03.63		-0.19	
SOKA	132.0	294	Sn	5:13:04.83		0.35	
ARSA	142.9	325	Sn	5:13:06.89		-0.01	
RONA	168.1	352	Sn	5:13:13.47		0.99	

1196.

2020-09-27 time: 5:14:43.64 UTC ML= 1.3  
 lat: 46.168N lon: 16.642E h= 9.4 km  
 erh= 3.9km erz= 3.4km  
 nr= 7 gap=153 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	35.1	17	Pg	5:14:50.49		0.36	
			Sg	14:55.31		0.11	
KOGS	43.4	316	Sg	5:14:57.47		-0.28	
GROS	93.7	290	Sg	5:15:11.90		-1.67	
CRES	99.4	248	Sg	5:15:16.38		1.01	
KOVH	113.0	94	Sn	5:15:18.74		-0.36	
PERS	128.4	294	Sn	5:15:22.51		0.00	

1197.

2020-09-28 time: 6:12:47.99 UTC ML= 1.8  
 lat: 46.033N lon: 22.801E h= 0.0 km  
 erh= 1.5km erz= 2.8km  
 nr= 9 gap=159 rms=0.33  
 Locality: Romania  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
DEV	18.5	155	Pg	6:12:51.41	0.12
			Sg	12:53.85	-0.01
GZR	71.2	182	Pg	6:13:00.82	0.12
			Sg	13:10.06	-0.55
DRGR	84.6	355	Pg	6:13:03.26	0.16
			Sg	13:13.00	-1.88
SIRR	92.0	286	Sg	6:13:17.48	0.26
BZS	103.0	243	Sg	6:13:20.71	-0.04
LTVH	165.3	335	Sn	6:13:37.02	-0.18

1198.

2020-09-28 time: 6:38:57.81 UTC ML= 1.3  
 lat: 48.006N lon: 20.695E h= 0.0 km  
 erh= 4.9km erz= 881km  
 nr= 5 gap=209 rms=0.41  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	51.8	51	Pg	6:39:07.33	0.27
			Sg	39:13.66	-0.61
KECS	55.3	344	Pg	6:39:08.09	0.40
			Sg	39:14.87	-0.52
PSZ	60.6	261	Sg	6:39:16.82	-0.25

1199.

2020-09-28 time: 7:30:16.42 UTC ML= 1.9  
 lat: 48.667N lon: 18.622E h= 0.0 km  
 erh= 2.0km erz= 2.2km  
 nr= 23 gap= 68 rms=0.87  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	24.9	141	Pg	7:30:21.48	0.62
			Sg	30:25.31	0.99
LANS	82.1	49	Pg	7:30:31.28	0.20
			Sg	30:41.33	-1.18
MODS	104.5	252	Pg	7:30:34.95	-0.13
			Sg	30:49.35	-0.29
PENC	109.1	153	Pg	7:30:34.99	-0.90
			Sg	30:49.95	-1.14
PSZ	125.9	131	Sg	7:30:54.89	-1.54
KECS	139.0	98	Pn	7:30:41.88	1.09
			Sn	30:59.05	-0.75
PKSG	142.8	187	Sn	7:30:59.86	-0.77
MORC	146.4	328	Pn	7:30:40.78	-0.92
			Sn	31:00.46	-0.96
CSKK	147.4	191	Sn	7:31:00.86	-0.80
NIE	149.3	56	Pn	7:30:42.27	0.21
			Sn	31:02.87	0.80
PKST	162.6	196	Pn	7:30:45.20	1.48
			Sn	31:06.08	1.06
OJC	192.6	26	Sn	7:31:12.81	1.12
KRLC	205.9	320	Pn	7:30:50.12	0.99
			Sn	31:13.92	-0.72
CONA	220.7	248	Pn	7:30:51.72	0.76

1200.

2020-09-28 time: 8:44:22.50 UTC ML= 1.8  
 lat: 46.048N lon: 22.788E h= 0.0 km  
 erh= 2.8km erz= 827km  
 nr= 8 gap=114 rms=0.60  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	20.3	154	Pg	8:44:26.70	0.57
			Sg	44:29.01	0.04
GZR	72.7	181	Pg	8:44:35.84	0.35
			Sg	44:44.72	-0.90

DRGR	82.9	356	Sg	8:44:48.94	0.08
CJR	96.8	40	Sg	8:44:52.71	-0.55
BZS	102.8	242	Pg	8:44:41.06	0.20
			Sg	44:53.31	-1.87

1201.

2020-09-28 time: 8:47:46.68 UTC ML= 1.8  
 lat: 48.833N lon: 18.104E h= 0.0 km  
 erh= 2.7km erz= 4.1km  
 nr= 14 gap= 92 rms=0.96  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	61.1	234	Pg	8:47:58.19	0.59
			Sg	48:04.97	-1.15
VYHS	65.8	125	Pg	8:47:59.53	1.09
			Sg	48:06.77	-0.84
MODS	79.6	230	Pg	8:48:02.01	1.12
			Sg	48:11.44	-0.54
ZST	102.5	226	Sg	8:48:17.42	-1.83
LANS	105.9	71	Sg	8:48:19.98	-0.35
MORC	112.6	339	Sg	8:48:21.49	-0.98
KRUC	127.7	281	Pg	8:48:09.47	-0.02
			Sg	48:26.39	-0.89
PENC	145.2	143	Sn	8:48:30.37	-1.06
KRLC	168.1	325	Sn	8:48:37.20	0.68
RONA	184.1	227	Sn	8:48:41.88	1.81

1202.

2020-09-28 time: 9:24:22.04 UTC ML= 1.1  
 lat: 48.929N lon: 20.608E h= 0.0 km  
 erh= 3.5km erz= 986km  
 nr= 6 gap=111 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	50.4	190	Pg	9:24:31.64	0.60
			Sg	24:38.16	0.11
NIE	58.6	338	Pg	9:24:32.74	0.24
			Sg	24:40.67	0.01
LANS	86.9	286	Sg	9:24:49.00	-0.67
KOLS	122.0	90	Sg	9:24:59.20	-1.63

1203.

2020-09-28 time: 9:26:54.53 UTC ML= 1.5  
 lat: 48.637N lon: 20.765E h= 0.0 km  
 erh= 2.1km erz= 3.5km  
 nr= 10 gap= 82 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.8	230	Pg	9:26:59.68	0.36
ABAH	51.6	137	Pg	9:27:04.32	0.57
			Sg	27:10.32	-0.62
STHS	93.5	22	Sg	9:27:23.90	-0.35
PSZ	102.8	219	Pg	9:27:12.76	-0.13
			Sg	27:24.56	-2.64
LANS	111.0	301	Pg	9:27:14.51	0.16
KOLS	115.6	73	Sg	9:27:30.83	-0.44
VYHS	143.3	264	Pn	9:27:19.84	0.41
			Sn	27:37.86	-0.99

## Hypocenter Parameters

## Földrengés paraméterek

1204.  
 2020-09-28 time: 11:01:53.84 UTC ML= 1.4  
 lat: 45.774N lon: 21.829E h= 7.5 km  
 erh= 4.1km erz= 5.2km  
 nr= 8 gap=123 rms=0.73  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	24.1	223	Pg	11:01:58.60	0.26
			Sg	02:01.35	-0.50
SIRR	56.4	347	Pg	11:02:04.17	0.17
			Sg	02:10.89	-1.04
GZR	85.2	120	Pg	11:02:10.03	0.92
			Sg	02:19.04	-1.98
DRGR	132.0	31	Pn	11:02:16.68	0.31
			Sn	02:33.33	-0.62

1205.

2020-09-28 time: 12:06:38.45 UTC ML= 1.1  
 lat: 48.625N lon: 20.802E h= 0.0 km  
 erh= 6.0km erz= \*\*\*km  
 nr= 6 gap=198 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	28.1	236	Pg	12:06:44.20	0.73
			Sg	06:47.48	0.09
ABAH	48.8	138	Pg	12:06:47.74	0.57
			Sg	06:52.71	-1.26
PSZ	103.4	221	Sg	12:07:10.77	-0.56
LANS	114.0	301	Sg	12:07:13.58	-1.10

1206.

2020-09-28 time: 16:11:31.74 UTC ML= 1.3  
 lat: 47.523N lon: 16.371E h= 0.0 km  
 erh= 2.1km erz= 2.9km  
 nr= 17 gap= 65 rms=0.82  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	20.4	344	PgU	16:11:35.67	0.28
			Sg	11:37.90	-0.33
SOP	22.8	38	Pg	16:11:36.80	0.99
			Sg	11:39.21	0.24
CONA	59.1	320	Pg	16:11:42.52	0.23
			Sg	11:49.67	-0.85
ARSA	70.8	245	Sg	16:11:54.29	0.05
MODS	116.4	36	Sg	16:12:08.13	-0.60
BEHE	121.0	165	Sg	16:12:09.16	-1.05
PKST	129.0	103	Pg	16:11:55.15	0.37
			Sg	12:12.02	-0.73
GROS	135.3	209	Sn	16:12:13.62	-0.67
PERS	137.1	224	Sn	16:12:13.47	-1.22
MOA	162.1	283	Pn	16:12:01.46	2.47
			Sn	12:21.70	1.46
KRUC	171.1	1	Pn	16:11:59.87	-0.24
			Sn	12:20.20	-2.04

1207.

2020-09-29 time: 6:19:16.09 UTC ML= 1.3  
 lat: 47.087N lon: 18.059E h= 0.0 km  
 erh= 1.5km erz= 3.7km  
 nr= 11 gap=119 rms=0.48  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	34.3	26	Pg	6:19:22.62	0.41
			Sg	19:24.76	-2.22
MPLH	40.5	283	Pg	6:19:23.20	-0.12
			Sg	19:28.77	-0.18
PKSG	42.2	37	Pg	6:19:23.78	0.16
			Sg	19:29.49	0.00
MORH	106.7	155	Sg	6:19:50.08	0.07
PKSM	107.0	155	Sg	6:19:49.37	-0.74
KOVH	111.1	178	Pg	6:19:36.58	0.65
			Sg	19:50.89	-0.51
VYHS	166.9	20	Sn	6:20:05.08	-0.57

1208.

2020-09-29 time: 7:34:52.70 UTC ML= 1.5  
 lat: 47.093N lon: 18.016E h= 0.0 km  
 erh= 1.3km erz= 3.2km  
 nr= 15 gap=113 rms=0.51  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	23.4	204	Pg	7:34:57.04	0.16
CSKK	35.3	32	Pg	7:35:00.00	1.00
			Sg	35:03.61	-0.31
MPLH	37.2	283	Pg	7:34:59.45	0.11
			Sg	35:04.77	0.25
PKSG	43.7	40	Pg	7:35:00.30	-0.20
			Sg	35:06.17	-0.42
A338	105.6	14	Sg	7:35:25.96	-0.31
MORH	108.7	154	Pg	7:35:12.65	0.54
			Sg	35:26.81	-0.44
PKSM	109.0	154	Pg	7:35:12.20	0.04
			Sg	35:26.51	-0.84
KOVH	111.8	177	Pg	7:35:12.88	0.21
			Sg	35:26.61	-1.64
RONA	146.3	297	Sn	7:35:36.86	-0.84

1209.

2020-09-29 time: 8:01:17.22 UTC ML= 1.2  
 lat: 45.952N lon: 17.743E h= 19.7 km  
 erh= 5.5km erz= 2.6km  
 nr= 10 gap=195 rms=0.62  
 Locality: Bürös  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	31.5	61	Pg	8:01:24.00	0.15
			Sg	01:27.71	-1.31
PKSV	40.1	100	Pg	8:01:25.50	0.31
			Sg	01:30.83	-0.58
PKSM	75.2	67	P*	8:01:30.72	0.15
			S*	01:40.26	-0.72
MORH	75.6	67	S*	8:01:40.58	-0.50
PKB4	89.8	48	P*	8:01:33.70	0.91
			S*	01:45.50	0.56
KOGS	127.8	296	Sn	8:01:52.74	-0.88

1210.

2020-09-29 time: 8:35:40.50 UTC ML= 1.5  
 lat: 47.385N lon: 18.380E h= 0.0 km  
 erh= 5.0km erz= 6.3km  
 nr= 8 gap=124 rms=1.48  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	1.1	47	Pg	8:35:41.77	1.07
			Sg	35:42.22	1.36
CSKK	9.3	255	Pg	8:35:42.96	0.80
			Sg	35:44.29	0.83
PKST	29.6	242	Sg	8:35:50.40	0.48

## Földrengés paraméterek

VYHS 128.0 15 Sg 8:36:18.76 -2.41  
 MORH 131.5 171 Sn 8:36:19.47 -2.74  
 PKSM 131.9 171 Sn 8:36:20.42 -1.88

1211.

2020-09-29 time: 9:25:39.67 UTC ML= 1.5  
 lat: 48.559N lon: 20.792E h= 0.0 km  
 erh= 2.7km erz= 4.8km  
 nr= 15 gap= 92 rms=1.11  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.2	250	Pg	9:25:43.68	-0.30
			Sg	25:46.26	-1.09
ABAH	44.2	131	Pg	9:25:48.02	0.46
			Sg	25:53.77	0.06
PSZ	97.6	223	Pg	9:25:57.82	0.72
			Sg	26:10.49	-0.20
STHS	100.9	19	Pg	9:25:57.67	-0.02
			Sg	26:10.07	-1.68
NIE	101.8	340	Pg	9:25:59.15	1.30
			Sg	26:10.65	-1.38
KOLS	116.6	69	ePg	9:26:03.30	2.81
			eSg	26:17.40	0.68
TRPA	138.0	110	Pn	9:26:02.94	-0.97
			Sn	26:19.81	-3.00
VYHS	144.7	267	Sn	9:26:24.38	0.08

1212.

2020-09-29 time: 10:00:32.05 UTC ML= 1.7  
 lat: 48.157N lon: 16.880E h= 0.0 km  
 erh= 1.4km erz= 1.5km  
 nr= 11 gap=159 rms=0.24  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	17.1	75	Pg	10:00:35.39	0.28
			Sg	00:37.50	0.01
MODS	38.1	51	Pg	10:00:38.91	0.05
			Sg	00:43.48	-0.69
SOP	57.8	205	Sg	10:00:50.36	-0.07
RONA	66.9	221	Pg	10:00:43.93	-0.07
			Sg	00:52.82	-0.51
CONA	80.1	252	Pg	10:00:46.34	0.00
			Sg	00:57.69	0.20
ARSA	143.2	225	Pn	10:00:57.18	0.24
			Sn	01:16.06	-0.30

1213.

2020-09-29 time: 12:54:33.42 UTC ML= 1.0  
 lat: 45.983N lon: 17.857E h= 18.0 km  
 erh= 1.1km erz= 0.4km  
 nr= 9 gap=296 rms=0.10  
 Locality: Katádfa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	22.1	58	PgD	12:54:38.51	-0.01
			Sg	54:42.43	-0.07
PKSV	32.4	109	Pg	12:54:40.02	-0.02
			Sg	54:45.34	0.14
PKSM	65.8	67	P*	12:54:45.51	0.03
			S*	54:54.75	-0.14
MORH	66.1	67	P*	12:54:45.54	0.00
			S*	54:54.98	-0.01
PKB4	81.1	45	S*	12:55:00.10	1.06*

## Hypocenter Parameters

1214.

2020-09-30 time: 0:42:19.77 UTC ML= 0.8  
 lat: 46.006N lon: 17.870E h= 17.5 km  
 erh= 2.1km erz= 0.8km  
 nr= 10 gap=292 rms=0.20  
 Locality: Bánfa  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOVH	20.0	63	Pg	0:42:24.33	-0.19
			Sg	42:28.28	0.05
PKSV	32.4	114	Pg	0:42:26.42	0.07
			Sg	42:31.61	0.13
PKSM	63.9	69	P*	0:42:31.42	-0.17
			S*	42:40.66	-0.15
MORH	64.2	69	P*	0:42:31.56	-0.09
			S*	42:40.91	0.00
PKB4	78.6	46	P*	0:42:34.16	0.33
			S*	42:46.93	2.14*

1215.

2020-09-30 time: 7:08:42.72 UTC ML= 1.0  
 lat: 48.541N lon: 17.501E h= 0.0 km  
 erh= 2.4km erz= 4.4km  
 nr= 7 gap=147 rms=0.53  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	6.1	241	Pg	7:08:43.53	-0.28
			Sg	08:44.15	-0.51
MODS	24.9	222	Pg	7:08:47.69	0.53
			Sg	08:51.06	0.44
VYHS	98.8	93	Sg	7:09:13.97	-0.15
KRUC	99.8	306	Sg	7:09:14.88	0.44
CONA	139.5	241	Sn	7:09:24.70	-1.51

1216.

2020-09-30 time: 7:39:33.48 UTC ML= 1.7  
 lat: 48.660N lon: 18.469E h= 0.0 km  
 erh= 2.0km erz= 2.5km  
 nr= 13 gap= 82 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	32.8	124	Pg	7:39:39.73	0.40
			Sg	39:43.84	-0.06
A338	72.2	187	Sg	7:39:56.35	-0.08
LANS	91.3	53	Pg	7:39:49.78	-0.01
MODS	93.6	250	Pg	7:39:49.70	-0.49
			Sg	40:04.45	1.22
PENC	114.0	148	Pg	7:39:53.57	-0.26
			Sg	40:08.31	-1.40
PSZ	134.1	128	Pn	7:39:57.74	0.50
PKSG	141.1	182	Sn	7:40:16.89	-0.43
MORC	141.4	331	Pn	7:39:58.40	0.26
			Sn	40:15.78	-1.60
KECS	150.1	98	Pn	7:39:59.56	0.33

1217.

2020-09-30 time: 7:40:14.12 UTC ML= 1.1  
 lat: 45.857N lon: 18.382E h= 0.0 km  
 erh= 4.7km erz= 713km  
 nr= 8 gap=262 rms=0.51  
 Locality: Kisharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	10.7	289	Pg	7:40:15.91	-0.12

## Hypocenter Parameters

## Földrengés paraméterek

Sg 40:16.03 -1.50  
 KOVH 33.8 320 Pg 7:40:21.03 0.87  
 Sg 40:25.25 0.39  
 PKSM 44.2 27 Pg 7:40:21.87 -0.15  
 Sg 40:27.87 -0.32  
 MORH 44.7 27 Pg 7:40:22.12 0.01  
 Sg 40:27.99 -0.35

1218.

2020-09-30 time: 7:41:52.63 UTC ML= 1.8  
 lat: 47.665N lon: 18.713E h= 0.0 km  
 erh= 2.8km erz= 3.3km  
 nr= 16 gap=176 rms=0.94  
 Locality: Dág  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	34.2	299	Pg	7:41:59.68	0.95
			Sg	42:03.21	-0.28
PKSG	38.9	219	Pg	7:42:00.64	1.07
			Sg	42:05.63	0.64
CSKK	47.8	225	Pg	7:42:01.56	0.39
			Sg	42:07.67	-0.17
VYHS	92.6	6	Pg	7:42:09.80	0.64
			Sg	42:20.93	-1.13
MPLH	104.3	238	Pg	7:42:11.84	0.59
			Sg	42:24.56	-1.21
EGYH	107.6	255	Sg	7:42:25.41	-1.41
MODS	132.9	306	Pn	7:42:15.07	-1.17
			Sn	42:29.42	-5.23*
MORH	161.2	182	Pn	7:42:20.21	0.44
			Sn	42:39.04	-1.89
PKSM	161.7	182	Sn	7:42:39.45	-1.58

1219.

2020-09-30 time: 7:45:41.10 UTC ML= 1.1  
 lat: 45.862N lon: 18.409E h= 0.0 km  
 erh= 0.8km erz= 121km  
 nr= 8 gap=259 rms=0.09  
 Locality: Nagyharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	12.5	284	Pg	7:45:43.27	-0.07
			Sg	45:45.30	0.21
KOVH	34.8	316	Pg	7:45:47.26	-0.05
			Sg	45:52.06	-0.09
PKSM	42.8	25	Pg	7:45:48.80	0.05
			Sg	45:54.79	0.07
MORH	43.3	25	Pg	7:45:48.85	0.01
			Sg	45:54.77	-0.10

1220.

2020-09-30 time: 8:29:51.51 UTC ML= 1.7  
 lat: 48.230N lon: 21.222E h= 0.0 km  
 erh= 1.5km erz= 2.7km  
 nr= 7 gap=142 rms=0.27  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.5	10	PgU	8:29:52.72	-0.13
			Sg	29:53.60	-0.28
KECS	61.4	297	Pg	8:30:02.94	0.46
			Sg	30:10.62	-0.41
PSZ	104.8	251	Pg	8:30:10.12	-0.11
LTVH	106.8	152	Pg	8:30:10.62	0.03
LANS	164.8	308	Sn	8:30:41.00	0.39

1221.

2020-09-30 time: 9:48:35.94 UTC ML= 1.0  
 lat: 47.213N lon: 18.221E h= 0.0 km  
 erh= 4.9km erz= 5.5km  
 nr= 10 gap=180 rms=0.67  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.9	10	Pg	9:48:39.91	0.95
			Sg	48:41.71	0.39
PKSG	23.6	33	Pg	9:48:40.64	0.48
			Sg	48:42.89	-0.56
MORH	115.5	164	Pg	9:48:55.97	-0.60
			Sg	49:13.25	0.60
PKSM	115.9	164	Pg	9:48:56.58	-0.05
			Sg	49:12.54	-0.23
A337	119.1	344	Sg	9:49:12.44	-1.36
PSZ	148.3	58	Sn	9:49:20.33	-1.05

1222.

2020-09-30 time: 10:04:51.24 UTC ML= 1.5  
 lat: 46.127N lon: 18.044E h= 0.0 km  
 erh= 1.3km erz= 191km  
 nr= 8 gap=258 rms=0.14  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.1	135	Pg	10:04:52.32	-0.01
			Sg	04:53.40	0.21
PKSV	31.1	149	Sg	10:05:00.63	-0.49
PKSM	47.1	79	Pg	10:04:59.72	0.08
			Sg	05:06.02	-0.18
MORH	47.4	78	Pg	10:04:59.77	0.07
			Sg	05:06.20	-0.10
PKB4	59.5	46	Sg	10:05:10.17	0.02

1223.

2020-09-30 time: 11:21:41.98 UTC ML= 1.3  
 lat: 47.851N lon: 16.040E h= 0.0 km  
 erh= 1.4km erz= 7.6km  
 nr= 8 gap= 93 rms=0.41  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.9	303	Pg	11:21:45.03	0.22
			Sg	21:47.24	0.22
RONA	25.5	131	Pg	11:21:46.74	0.20
			Sg	21:50.46	0.36
ARSA	77.3	210	Pg	11:21:55.20	-0.58
			Sg	22:06.75	0.21
MODS	108.9	58	Sg	11:22:16.39	-0.22
KRUC	137.2	11	Sn	11:22:22.42	-2.53

1224.

2020-09-30 time: 13:35:58.95 UTC ML= 1.4  
 lat: 46.547N lon: 22.593E h= 0.0 km  
 erh= 7.7km erz= \*\*\*km  
 nr= 6 gap=162 rms=0.69  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	28.7	18	Pg	13:36:04.13	0.06
			Sg	36:07.38	-0.68
BZS	128.1	216	Pg	13:36:22.54	0.72
			Sg	36:38.20	-1.46
GZR	129.0	174	Pg	13:36:22.54	0.55



## Földrengés paraméterek

## Hypocenter Parameters

Sg 36:39.21 -0.75

1225.

2020-10-01 time: 7:41:06.70 UTC ML= 1.4  
 lat: 46.847N lon: 22.883E h= 0.0 km  
 erh= 6.9km erz= 5.0km  
 nr= 9 gap=220 rms=0.81  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	14.5	245	Pg	7:41:09.35			0.06
			Sg	41:11.04			-0.27
MARR	26.2	137	PgC	7:41:09.19			-2.19
			Sg	41:15.30			0.27
CJR	56.6	105	Pg	7:41:17.71			0.90
			Sg	41:24.45			-0.24
GZR	161.8	183	Pn	7:41:34.06			0.15
			Sn	41:54.64			-0.49
BZS	168.1	216	Sn	7:41:57.35			0.83

1226.

2020-10-01 time: 7:43:03.93 UTC ML= 1.4  
 lat: 47.553N lon: 18.455E h= 0.0 km  
 erh= 2.1km erz= 3.0km  
 nr= 16 gap= 74 rms=0.79  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	18.6	195	Pg	7:43:07.55			0.30
			Sg	43:10.28			0.44
CSKK	25.7	215	Pg	7:43:08.53			0.00
			Sg	43:12.41			0.30
SRO	30.8	340	ePg	7:43:11.00			1.56
			eSg	43:17.30			3.57*
BUD	43.5	100	Sg	7:43:16.75			-1.02
MPLH	81.2	238	Sg	7:43:30.02			0.27
VYHS	108.4	15	Pg	7:43:23.44			0.15
			Sg	43:37.80			-0.59
PSZ	115.3	69	Sg	7:43:40.62			0.02
ZST	123.9	305	ePg	7:43:25.50			-0.56
MODS	126.7	316	Sg	7:43:42.42			-1.80
MORH	149.4	174	Sn	7:43:48.95			-0.66
PKSM	149.8	175	Sn	7:43:48.75			-0.95
KOVH	165.1	189	Sn	7:43:54.47			1.38

1227.

2020-10-01 time: 7:50:24.26 UTC ML= 1.2  
 lat: 48.062N lon: 20.694E h= 0.0 km  
 erh= 3.2km erz= 672km  
 nr= 6 gap=198 rms=0.42  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	48.2	57	Pg	7:50:33.16			0.29
			Sg	50:39.19			-0.39
KECS	49.3	342	Pg	7:50:33.30			0.23
			Sg	50:39.23			-0.71
PSZ	61.8	255	Pg	7:50:35.62			0.32
			Sg	50:43.16			-0.74

1228.

2020-10-01 time: 8:37:12.98 UTC ML= 1.5  
 lat: 45.975N lon: 22.311E h= 0.0 km  
 erh= 1.9km erz= 853km  
 nr= 15 gap= 76 rms=0.74  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SURR	28.5	211	PgC	8:37:18.92			0.85
			Sg	37:22.80			0.75
DEV	47.0	103	Pg	8:37:22.09			0.71
			Sg	37:27.91			-0.02
SIRR	60.0	303	Sg	8:37:31.77			-0.27
BZS	67.1	234	Pg	8:37:24.94			-0.02
			Sg	37:33.68			-0.63
GZR	74.1	151	Pg	8:37:26.35			0.13
			Sg	37:35.58			-0.96
DRGR	95.9	19	Pg	8:37:31.17			1.07
			Sg	37:43.37			-0.08
MARR	99.7	39	PgC	8:37:30.16			-0.63
			Sg	37:43.30			-1.37
LOT	127.8	117	PgD	8:37:34.83			-0.97
			Sg	37:50.00			-3.59*

1229.

2020-10-01 time: 8:56:03.43 UTC ML= 1.7  
 lat: 48.540N lon: 17.482E h= 0.0 km  
 erh= 1.6km erz= 2.1km  
 nr= 11 gap=147 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	4.9	233	PgU	8:56:04.59			0.28
			Sg	56:05.22			0.23
MODS	23.9	219	Pg	8:56:07.99			0.29
			Sg	56:11.12			0.09
ZST	47.5	216	Sg	8:56:18.35			-0.17
KRUC	98.7	306	Sg	8:56:34.48			-0.32
VYHS	100.2	93	Sg	8:56:34.97			-0.31
RONA	128.6	223	Pg	8:56:26.83			0.44
			Sg	56:41.96			-2.33
CONA	138.3	241	Pn	8:56:27.55			-0.15
			Sn	56:45.32			-1.32

1230.

2020-10-01 time: 10:41:12.08 UTC ML= 1.3  
 lat: 46.089N lon: 21.676E h= 0.0 km  
 erh= 5.1km erz= 912km  
 nr= 5 gap=171 rms=0.41  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SIRR	19.8	356	Pg	10:41:15.77			0.15
			Sg	41:17.91			-0.48
BZS	52.7	185	Sg	10:41:28.59			-0.26
DRGR	111.4	46	Pg	10:41:32.50			0.52
			Sg	41:46.92			-0.58

1231.

2020-10-01 time: 10:51:14.83 UTC ML= 1.8  
 lat: 47.342N lon: 18.399E h= 0.0 km  
 erh= 1.6km erz= 2.5km  
 nr= 16 gap= 89 rms=0.73  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	5.6	353	PgU	10:51:16.22			0.39
			Sg	51:16.96			0.34
CSKK	10.8	283	Pg	10:51:17.40			0.65
			Sg	51:18.69			0.44
MPLH	67.8	254	Sg	10:51:35.44			-0.95
PENC	83.1	53	Sg	10:51:40.86			-0.37
PKB3	118.7	149	Sg	10:51:52.71			0.15
MORH	126.5	172	Pg	10:51:38.00			0.57
			Sg	51:54.32			-0.73

## Hypocenter Parameters

PKSM 126.9 172 Pg 10:51:38.20 0.70  
 Sg 51:53.92 -1.26  
 PSZ 129.4 60 Sg 10:51:55.02 -0.94  
 VYHS 132.2 14 Pn 10:51:38.90 0.55  
 Sn 51:55.12 -1.58  
 KOVH 141.2 189 Sn 10:51:58.18 -0.51  
 MODS 142.2 324 Sn 10:51:57.48 -1.43

1232.

2020-10-01 time: 12:27:51.76 UTC ML= 1.1  
 lat: 47.584N lon: 16.350E h= 0.0 km  
 erh= 2.5km erz= 2.8km  
 nr= 8 gap=261 rms=0.38  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	13.5	343	PgU	12:27:54.25	0.09
			Sg	27:56.28	0.24
SOP	19.2	55	Pg	12:27:55.28	0.09
			Sg	27:58.04	0.18
CONA	52.9	316	Pg	12:28:01.59	0.37
			Sg	28:07.99	-0.60
KRUC	164.4	1	Pn	12:28:18.68	-0.61
			Sn	28:38.37	-2.39*

1233.

2020-10-01 time: 13:01:51.22 UTC ML= 1.3  
 lat: 47.805N lon: 19.371E h= 0.0 km  
 erh= 4.4km erz= 980km  
 nr= 7 gap=176 rms=0.66  
 Locality: Acsa  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	6.9	257	Pg	13:01:52.10	-0.35
			Sg	01:53.87	0.46
PSZ	41.2	72	Pg	13:01:58.84	0.27
			Sg	02:04.15	-0.16
BUD	44.2	216	Sg	13:02:05.43	0.15
PBUD	46.4	216	Sg	13:02:06.73	0.77
PKS7	85.7	191	Sg	13:02:16.07	-2.39

1234.

2020-10-01 time: 13:59:25.29 UTC ML= 1.8  
 lat: 47.230N lon: 16.357E h= 0.0 km  
 erh= 1.9km erz= 2.3km  
 nr= 23 gap= 91 rms=0.84  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	52.4	355	Pg	13:59:34.64	0.00
			Sg	59:41.46	-0.48
SOP	52.6	17	Sg	13:59:41.86	-0.15
ARSA	63.2	272	Pg	13:59:36.94	0.37
			Sg	59:44.55	-0.82
CONA	86.1	334	Pg	13:59:41.27	0.61
			Sg	59:52.34	-0.31
KOGS	87.3	185	Pg	13:59:41.76	0.88
			Sg	59:51.69	-1.36
MPLH	89.9	94	Sg	13:59:53.44	-0.41
GROS	107.6	217	Sg	13:59:58.11	-1.37
PERS	115.3	235	Pg	13:59:46.35	0.48
			Sg	59:59.96	-1.97
SOKA	118.0	239	Pg	13:59:46.46	0.09
			Sg	14:00:01.48	-1.33
MODS	144.6	28	Sn	13:60:08.92	-0.99
PTJ	151.0	192	Pn	13:59:52.42	1.27
			Sn	14:00:11.32	0.00
PKSG	154.8	83	Sn	13:60:10.76	-1.41
CRES	170.7	204	Sn	13:60:16.79	1.10

## Földrengés paraméterek

MOA 171.8 294 Pn 13:59:55.35 1.60  
 Sn 14:00:16.23 0.29  
 KRUC 203.7 1 Sn 13:60:23.07 0.06

1235.

2020-10-01 time: 14:26:12.82 UTC ML= 1.0  
 lat: 47.595N lon: 16.323E h= 0.0 km  
 erh= 1.7km erz= 2.4km  
 nr= 18 gap= 65 rms=0.82  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	11.8	350	PgU	14:26:15.30	0.38
			Sg	26:16.58	0.01
SOP	20.2	61	Pg	14:26:16.31	-0.11
			Sg	26:18.56	-0.68
CONA	50.7	317	Pg	14:26:22.83	0.96
			Sg	26:28.98	0.05
ARSA	71.5	238	Sg	14:26:34.79	-0.76
EGYH	78.5	105	Sg	14:26:39.00	1.23
ZST	88.7	41	Sg	14:26:41.32	0.32
MPLH	103.3	117	Sg	14:26:46.30	0.66
MODS	112.1	39	Sg	14:26:47.54	-0.91
KOGS	127.6	182	Sg	14:26:52.98	-0.40
SMOL	131.2	39	Sn	14:26:53.33	-1.14
GROS	140.7	206	Sn	14:26:55.64	-0.92
SOKA	141.4	224	Sn	14:26:55.64	-1.07
MOA	156.9	280	Pn	14:26:41.17	1.75
			Sn	26:59.95	-0.22
KRUC	163.2	2	Sn	14:26:59.46	-2.09

1236.

2020-10-02 time: 1:11:37.25 UTC ML= 1.1  
 lat: 47.472N lon: 18.862E h= 9.6 km  
 erh= 2.3km erz= 1.8km  
 nr= 20 gap=146 rms=0.77  
 Locality: Biatorbágy  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PBUD	11.3	93	Pg	1:11:40.25	0.35
			Sg	11:41.88	-0.09
BUD	12.3	84	PgD	1:11:39.43	-0.60
			Sg	11:41.07	-1.13
PKSG	36.7	256	Pg	1:11:44.30	0.29
			Sg	11:48.93	-0.36
CSKK	47.0	255	Pg	1:11:45.94	0.13
			Sg	11:50.80	-1.69
PENC	47.4	42	Pg	1:11:46.14	0.25
PKB1	76.6	184	Pg	1:11:52.76	1.73
			Sg	12:01.56	-0.22
PSZ	92.0	57	Pg	1:11:53.86	0.09
			Sg	12:06.00	-0.66
PKB5	97.9	186	Sg	1:12:08.02	-0.50
PKB4	110.2	190	Sn	1:12:10.90	-1.13
PKS2	112.1	166	Sn	1:12:12.39	-0.07
PKB3	119.2	168	Sn	1:12:13.63	-0.40
MORH	140.6	187	Sn	1:12:18.71	-0.07
PKSM	141.1	187	Pn	1:12:02.44	1.80
			Sn	12:18.68	-0.20

1237.

2020-10-02 time: 6:24:12.79 UTC ML= 1.7  
 lat: 46.875N lon: 17.350E h= 0.0 km  
 erh= 1.9km erz= 656km  
 nr= 9 gap=143 rms=0.49  
 Locality: Lesenceistvánd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	35.9	24	Pg	6:24:19.12	-0.08

## Földrengés paraméterek

## Hypocenter Parameters

Sg 24:23.92 -0.28  
 CSKK 87.9 52 Sg 6:24:41.48 0.75  
 KOGS 96.6 241 Sg 6:24:43.62 0.13  
 PKSG 97.7 54 Pg 6:24:29.94 -0.29  
 Sg 24:44.30 0.46  
 KOVH 104.7 147 Sg 6:24:46.96 0.90  
 MORH 123.4 126 Sg 6:24:51.01 -0.99  
 PKSM 123.5 127 Sg 6:24:51.71 -0.32

1238.

2020-10-02 time: 8:20:04.36 UTC ML= 2.3  
 lat: 48.437N lon: 17.217E h= 0.0 km  
 erh= 1.3km erz= 5.0km  
 nr= 10 gap=181 rms=0.29  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.4	147	PgU	8:20:05.96			0.11
			Sg	20:06.88			-0.14
SMOL	17.9	61	Pg	8:20:07.57			0.02
			Sg	20:10.01			-0.03
ZST	28.1	198	Pg	8:20:09.97			0.59
			Sg	20:13.05			-0.24
RONA	106.9	220	Pg	8:20:23.33			-0.12
			Sg	20:38.08			-0.26
CONA	115.6	241	Sg	8:20:40.80			-0.29
PKST	144.6	155	Sn	8:20:47.64			-1.33

1239.

2020-10-02 time: 8:31:31.86 UTC ML= 1.3  
 lat: 47.854N lon: 19.112E h= 0.0 km  
 erh= 2.1km erz= 3.6km  
 nr= 9 gap=118 rms=0.44  
 Locality: Szendehegy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	14.5	119	Pg	8:31:34.55			0.10
			Sg	31:36.86			0.39
PSZ	58.9	83	Pg	8:31:42.28			-0.11
			Sg	31:50.37			-0.23
VYHS	74.1	344	Pg	8:31:45.75			0.65
			Sg	31:55.09			-0.34
KECS	123.8	56	ePg	8:31:53.80			-0.18
			eSg	32:09.00			-2.23*
MPLH	140.8	237	Sn	8:32:14.52			-1.10

1240.

2020-10-02 time: 8:38:03.15 UTC ML= 1.6  
 lat: 48.326N lon: 21.503E h= 0.0 km  
 erh= 2.5km erz= 834km  
 nr= 11 gap=143 rms=0.67  
 Locality: Hercegkút  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	19.8	260	Pg	8:38:07.26			0.57
			Sg	38:09.77			0.31
KECS	77.3	283	Pg	8:38:17.38			0.42
			Sg	38:26.11			-1.62
TRPA	80.0	106	Pg	8:38:17.50			0.06
			Sg	38:27.94			-0.65
KOLS	88.2	40	Pg	8:38:19.81			0.91
			Sg	38:30.50			-0.68
STHS	122.7	351	Pg	8:38:24.81			-0.26
			Sg	38:41.80			-0.36
PSZ	128.1	249	Sg	8:38:42.66			-1.20

1241.

2020-10-02 time: 8:44:21.27 UTC ML= 1.1  
 lat: 48.346N lon: 19.025E h= 0.0 km  
 erh= 2.5km erz= \*\*\*km  
 nr= 11 gap= 64 rms=0.87  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	21.6	320	Pg	8:44:25.86			0.73
			Sg	44:28.99			0.85
PENC	64.6	163	Sg	8:44:40.95			-0.86
PSZ	80.3	126	Pg	8:44:36.12			0.52
			Sg	44:47.80			1.01
LANS	95.2	20	Pg	8:44:38.46			0.19
			Sg	44:49.76			-1.77
KECS	109.2	82	Sg	8:44:55.46			-0.51
PKSG	116.2	204	Sg	8:44:57.64			-0.57
CSKK	123.4	208	Sg	8:45:00.35			-0.13
MODS	129.6	271	Sg	8:45:00.28			-2.18

1242.

2020-10-02 time: 9:56:24.90 UTC ML= 0.9  
 lat: 48.498N lon: 19.572E h= 0.0 km  
 erh= 1.6km erz= 556km  
 nr= 7 gap=110 rms=0.36  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	54.4	270	Pg	9:56:34.93			0.32
			Sg	56:41.66			-0.53
KECS	67.5	91	Sg	9:56:46.38			0.01
PSZ	68.8	160	Pg	9:56:37.54			0.36
			Sg	56:46.08			-0.68
LANS	72.9	354	Sg	9:56:47.99			-0.09
NIE	115.9	28	Sg	9:57:01.54			-0.19

1243.

2020-10-02 time: 9:57:00.49 UTC ML= 0.9  
 lat: 48.452N lon: 19.540E h= 0.0 km  
 erh= 5.1km erz= \*\*\*km  
 nr= 6 gap=172 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	52.3	275	Pg	9:57:10.43			0.61
			Sg	57:16.49			-0.61
PSZ	64.9	156	Pg	9:57:12.58			0.50
			Sg	57:21.58			0.46
KECS	70.0	87	Sg	9:57:21.67			-1.07
BUD	114.4	200	Sg	9:57:35.53			-1.30

1244.

2020-10-02 time: 10:20:10.92 UTC ML= 1.9  
 lat: 47.031N lon: 22.258E h= 0.0 km  
 erh= 3.1km erz= 3.4km  
 nr= 16 gap= 99 rms=0.91  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	43.6	128	Pg	10:20:18.13			-0.57
			Sg	20:23.02			-1.75
LTVH	47.8	325	Sg	10:20:25.48			-0.63
SIRR	96.4	208	Pg	10:20:28.54			0.40
			Sg	20:40.30			-1.27
CJR	108.1	109	Pg	10:20:30.97			0.75
			Sg	20:45.23			-0.05

## Hypocenter Parameters

TRPA	124.1	10	Pg	10:20:33.44	0.36
DEV	136.8	159	Pn	10:20:34.17	-0.85
BZS	164.8	197	Pn	10:20:38.69	0.19
			Sn	20:57.78	-2.23
GZR	186.3	168	Pn	10:20:43.05	1.86
			Sn	21:04.48	-0.32
BANR	202.7	205	Sn	10:21:09.74	1.32
PSZ	203.7	299	Pn	10:20:43.25	-0.11
			Sn	21:09.12	0.47

1245.

2020-10-02 time: 11:37:53.46 UTC ML= 1.2  
 lat: 48.445N lon: 20.670E h= 0.0 km  
 erh= 3.4km erz= 817km  
 nr= 7 gap=160 rms=0.55  
 Locality: Varbóc  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	14.3	287	Pg	11:37:56.43	0.41
			Sg	37:58.74	0.73
ABAH	45.3	111	Pg	11:38:01.89	0.34
			Sg	38:07.43	-0.43
PSZ	82.2	225	Pg	11:38:07.88	-0.27
			Sg	38:19.12	-0.48
LANS	118.2	312	Sg	11:38:29.38	-1.64

1246.

2020-10-02 time: 15:36:36.14 UTC ML= 0.8  
 lat: 48.628N lon: 20.830E h= 0.0 km  
 erh= 1.5km erz= 383km  
 nr= 5 gap=164 rms=0.18  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	30.1	238	Pg	15:36:41.73	0.22
			Sg	36:45.78	0.08
ABAH	47.8	141	Sg	15:36:51.22	-0.11
NIE	95.7	337	Sg	15:37:06.39	-0.17
PSZ	105.1	221	Sg	15:37:09.32	-0.24

1247.

2020-10-03 time: 15:01:43.42 UTC ML= 0.6  
 lat: 47.077N lon: 18.154E h= 0.0 km  
 erh= 1.4km erz= 315km  
 nr= 8 gap=154 rms=0.22  
 Locality: Küngös  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	22.2	336	Pg	15:01:47.39	0.01
			Sg	01:50.61	0.15
CSKK	32.8	14	Pg	15:01:48.81	-0.47
			Sg	01:53.97	0.13
PKSG	39.3	27	Pg	15:01:50.66	0.22
			Sg	01:55.83	-0.08
PKSM	103.2	159	Sg	15:02:16.38	0.16
KOVH	110.0	182	Sg	15:02:18.34	-0.05

1248.

2020-10-05 time: 8:27:04.68 UTC ML= 1.5  
 lat: 47.794N lon: 19.022E h= 0.0 km  
 erh= 4.1km erz= \*\*\*km  
 nr= 5 gap=136 rms=0.50  
 Locality: Dunabogdány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	19.4	91	Pg	8:27:08.85	0.70

## Földrengés paraméterek

			Sg	27:10.41	-0.45
PKSG	65.2	227	Sg	8:27:25.15	-0.27
PSZ	66.7	78	Sg	8:27:25.35	-0.54
VYHS	79.0	350	Sg	8:27:29.74	-0.06

1249.

2020-10-05 time: 8:44:01.36 UTC ML= 1.5  
 lat: 48.699N lon: 18.682E h= 0.0 km  
 erh= 7.3km erz= 10.7km  
 nr= 11 gap=135 rms=1.17  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	25.5	154	Pg	8:44:06.80	0.88
			Sg	44:09.31	-0.16
A338	79.9	198	Sg	8:44:27.11	0.35
SMOL	94.7	257	Sg	8:44:32.53	1.06
MODS	109.9	251	Sg	8:44:34.74	-1.55
PENC	110.4	156	Sg	8:44:34.92	-1.54
PSZ	125.0	134	Sg	8:44:39.83	-1.27
KECS	135.2	100	Pn	8:44:27.33	2.07
			Sn	44:43.35	-0.54
MORC	145.8	325	Pn	8:44:26.27	-0.30
			Sn	44:44.90	-1.34

1250.

2020-10-05 time: 8:46:59.53 UTC ML= 1.7  
 lat: 47.876N lon: 19.410E h= 0.0 km  
 erh= 2.4km erz= 4.1km  
 nr= 18 gap=131 rms=0.89  
 Locality: Bercel  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.5	225	Pg	8:47:02.65	0.71
			Sg	47:04.38	0.56
PSZ	36.6	83	Pg	8:47:06.12	0.07
			Sg	47:11.14	-0.01
BUD	52.4	214	Sg	8:47:16.45	0.27
A338	80.5	281	Sg	8:47:24.38	-0.73
VYHS	80.9	328	Pg	8:47:15.16	1.19
			Sg	47:22.89	-2.34
PKSG	93.6	235	Pg	8:47:16.65	0.41
			Sg	47:28.40	-0.88
CSKK	103.5	237	Sg	8:47:32.52	0.09
KECS	104.7	50	Pg	8:47:18.06	-0.16
			Sg	47:31.11	-1.69
PKST	124.2	236	Pg	8:47:20.57	-1.13
			Sg	47:37.64	-1.36
MODS	168.1	289	Sn	8:47:50.79	1.43
NIE	184.0	21	Pn	8:47:30.48	0.98
			Sn	47:53.26	0.37

1251.

2020-10-05 time: 8:58:09.97 UTC ML= 1.3  
 lat: 47.857N lon: 16.019E h= 0.0 km  
 erh= 2.6km erz= 4.8km  
 nr= 9 gap= 95 rms=0.99  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.2	304	Pg	8:58:13.14	0.64
			Sg	58:15.55	1.08
RONA	27.2	130	PgU	8:58:15.00	0.17
			Sg	58:18.79	0.17
ARSA	77.1	209	Sg	8:58:33.58	-0.91
MODS	109.9	59	Pg	8:58:30.74	1.15
			Sg	58:43.87	-1.03
KRUC	136.8	12	Pn	8:58:33.22	-0.84
			Sn	58:49.89	-2.96

## Földrengés paraméterek

## Hypocenter Parameters

1252.

2020-10-05 time: 9:07:07.82 UTC ML= 1.5  
 lat: 48.637N lon: 20.787E h= 0.0 km  
 erh= 2.5km erz= 3.2km  
 nr= 12 gap= 92 rms=0.77  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	28.0	232	Pg	9:07:13.14			0.31
			Sg	07:16.30			-0.43
ABAH	50.6	139	Pg	9:07:16.96			0.11
			Sg	07:23.89			-0.01
STHS	92.9	21	Pg	9:07:24.89			0.48
			Sg	07:35.64			-1.72
PSZ	103.8	220	Pg	9:07:26.25			-0.10
			Sg	07:39.50			-1.31
LANS	112.3	301	Pg	9:07:29.01			1.14
TRPA	141.5	113	Sn	9:07:50.45			-1.30
VYHS	144.8	264	Pn	9:07:33.58			0.67
			Sn	07:51.45			-1.03

1253.

2020-10-05 time: 9:40:21.26 UTC ML= 1.7  
 lat: 45.519N lon: 17.799E h= 0.0 km  
 erh= 5.6km erz= 419km  
 nr= 6 gap=340 rms=0.24  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	54.1	41	Sg	9:40:38.98			0.51
KOVH	67.5	20	Sg	9:40:42.67			-0.03
PKSM	101.0	40	Pg	9:40:39.26			-0.04
			Sg	40:52.84			-0.53
MORH	101.5	40	Pg	9:40:39.46			0.07
			Sg	40:53.49			-0.04

1254.

2020-10-05 time: 10:48:54.64 UTC ML= 1.7  
 lat: 48.551N lon: 17.490E h= 0.0 km  
 erh= 1.4km erz= 1.5km  
 nr= 17 gap= 92 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SMOL	6.1	227	PgU	10:48:56.18			0.44
			Sg	48:57.08			0.49
MODS	25.2	218	Pg	10:48:59.41			0.26
			Sg	49:02.37			-0.29
ZST	48.8	216	Sg	10:49:11.40			1.25
KRUC	98.4	305	Pg	10:49:13.01			0.79
			Sg	49:25.92			-0.01
VYHS	99.7	94	Pg	10:49:12.87			0.43
			Sg	49:25.92			-0.41
RONA	129.8	223	Pg	10:49:17.52			-0.31
			Sg	49:34.06			-1.85
MORC	136.4	2	Pn	10:49:18.43			-0.25
			Sn	49:36.20			-1.23
CONA	139.3	240	Pn	10:49:18.53			-0.52
			Sn	49:37.81			-0.28
PKST	149.3	164	Sn	10:49:40.03			-0.28
KRLC	177.2	343	Sn	10:49:46.26			-0.22

1255.

2020-10-06 time: 7:25:10.10 UTC ML= 1.5  
 lat: 47.076N lon: 18.018E h= 0.0 km  
 erh= 1.8km erz= 706km  
 nr= 13 gap=115 rms=0.59  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	21.8	206	Pg	7:25:14.32			0.33
			Sg	25:18.17			1.15
CSKK	36.8	30	Pg	7:25:16.93			0.26
			Sg	25:21.69			-0.11
MPLH	37.8	286	Pg	7:25:16.56			-0.29
			Sg	25:21.55			-0.57
PKSG	45.0	39	Sg	7:25:24.40			-0.01
MORH	107.0	153	Pg	7:25:29.42			0.22
			Sg	25:43.11			-0.99
PKSM	107.3	154	Pg	7:25:29.58			0.33
			Sg	25:42.61			-1.58
KOVH	110.0	177	Pg	7:25:30.16			0.42
			Sg	25:43.71			-1.35

1256.

2020-10-06 time: 9:45:03.47 UTC ML= 1.4  
 lat: 46.123N lon: 22.872E h= 0.0 km  
 erh= 2.9km erz= 774km  
 nr= 9 gap=184 rms=0.60  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	26.8	175	Sg	9:45:11.92			-0.06
DRGR	75.3	351	Pg	9:45:17.15			0.23
			Sg	45:27.05			-0.36
GZR	81.5	185	Pg	9:45:17.90			-0.12
			Sg	45:28.05			-1.31
SIRR	95.0	280	Pg	9:45:21.12			0.69
			Sg	45:32.92			-0.74
BZS	112.6	240	Pg	9:45:24.26			0.69
			Sg	45:38.46			-0.79

1257.

2020-10-06 time: 9:53:32.04 UTC ML= 0.7  
 lat: 47.201N lon: 18.311E h= 0.0 km  
 erh= 1.5km erz= 3.1km  
 nr= 9 gap=111 rms=0.44  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.4	348	Pg	9:53:35.76			0.43
			Sg	53:38.10			0.20
PKSG	22.0	16	Pg	9:53:36.16			0.18
			Sg	53:38.49			-0.56
MPLH	58.6	267	Sg	9:53:50.04			-0.63
MORH	112.5	167	Sg	9:54:08.07			0.28
PKSM	112.8	167	Sg	9:54:08.24			0.33
KOVH	124.8	187	Sg	9:54:11.41			-0.29
PSZ	143.4	56	Sn	9:54:15.38			-1.01

1258.

2020-10-06 time: 11:46:21.99 UTC ML= 1.4  
 lat: 45.610N lon: 17.233E h= 12.1 km  
 erh= 4.2km erz= 1.7km  
 nr= 9 gap=252 rms=0.35  
 Locality: Croatia  
 Comments:

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PKSV	85.1	69	Pg	11:46:37.10	-0.24
			Sg	46:48.75	-0.57
KOVH	85.8	52	Pg	11:46:37.90	0.44
			Sg	46:49.55	0.02
KOGS	120.3	321	Sn	11:46:58.10	-0.37
PKSM	128.1	59	Pn	11:46:43.33	-0.13
			Sn	46:59.79	-0.41
MORH	128.5	58	Pn	11:46:43.90	0.39
			Sn	47:00.72	0.43

1259.

2020-10-07 time: 7:52:09.47 UTC ML= 1.9  
 lat: 46.868N lon: 17.299E h= 0.0 km  
 erh= 3.5km erz= \*\*\*km  
 nr= 11 gap=167 rms=0.98  
 Locality: Várkölygy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	38.2	29	Pg	7:52:16.62	0.32
			Sg	52:22.20	0.58
BEHE	59.7	222	Sg	7:52:27.97	-0.48
PKS9	81.2	113	Sg	7:52:36.51	1.22
CSKK	91.4	53	Sg	7:52:38.42	-0.11
PKSG	101.2	55	Sg	7:52:41.23	-0.43
KOVH	106.3	145	Sg	7:52:44.53	1.26
MORH	126.2	125	Pg	7:52:32.69	0.69
			Sg	52:47.35	-2.22
PKSM	126.2	125	Sg	7:52:47.75	-1.85
SRO	130.1	36	Sg	7:52:49.71	-1.10

1260.

2020-10-07 time: 8:48:27.27 UTC ML= 1.2  
 lat: 47.586N lon: 18.443E h= 0.0 km  
 erh= 1.3km erz= 2.0km  
 nr= 13 gap= 95 rms=0.45  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	22.0	190	Pg	8:48:31.46	0.26
			Sg	48:34.54	0.28
CSKK	28.4	209	Pg	8:48:32.46	0.12
			Sg	48:36.95	0.66
BUD	45.2	105	Sg	8:48:41.20	-0.43
PKST	47.7	220	Pg	8:48:35.73	-0.06
			Sg	48:41.70	-0.74
VYHS	105.1	16	Sg	8:49:00.95	0.27
PSZ	114.9	71	Sg	8:49:04.01	0.21
MODS	123.5	315	Sg	8:49:06.25	-0.26
MORH	153.1	174	Sn	8:49:12.91	-0.87
PKSM	153.5	174	Sn	8:49:12.70	-1.17
KOVH	168.6	189	Sn	8:49:17.87	0.66

1261.

2020-10-07 time: 9:33:44.33 UTC ML= 1.8  
 lat: 46.923N lon: 22.841E h= 0.0 km  
 erh= 6.7km erz= 3.5km  
 nr= 9 gap=241 rms=0.66  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	17.6	214	PgU	9:33:48.09	0.62
			Sg	33:50.40	0.47
CJR	62.3	112	Sg	9:34:03.13	-1.00
SIRR	116.2	231	Pg	9:34:05.14	0.06
			Sg	34:19.75	-1.51
GZR	170.1	182	Pn	9:34:13.33	0.76
			Sn	34:34.51	-0.09
BZS	173.2	213	Pn	9:34:12.59	-0.36

Sn 34:34.82 -0.46

1262.

2020-10-07 time: 10:00:37.68 UTC ML= 1.7  
 lat: 48.136N lon: 16.900E h= 0.0 km  
 erh= 1.6km erz= 3.4km  
 nr= 11 gap= 96 rms=0.42  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.5	66	Pg	10:00:40.96	0.33
			Sg	00:42.99	0.06
MODS	38.5	47	Pg	10:00:44.58	0.02
			Sg	00:49.07	-0.86
RONA	66.2	223	Pg	10:00:49.50	-0.01
			Sg	00:58.03	-0.70
CONA	80.8	253	Pg	10:00:52.33	0.22
			Sg	01:03.15	-0.21
KRUC	109.5	340	Sg	10:01:12.09	-0.40
PKSG	139.0	127	Sn	10:01:17.31	-3.75*
ARSA	142.7	226	Pn	10:01:03.15	0.64

1263.

2020-10-07 time: 10:04:17.08 UTC ML= 1.3  
 lat: 47.708N lon: 18.677E h= 0.0 km  
 erh= 1.6km erz= 622km  
 nr= 11 gap= 89 rms=0.50  
 Locality: Tokod  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	36.1	134	Sg	10:04:28.46	-0.10
PKSG	41.2	211	Pg	10:04:24.59	0.14
			Sg	04:30.52	0.33
A338	41.9	325	Sg	10:04:30.87	0.48
PENC	46.3	79	Pg	10:04:25.45	0.10
			Sg	04:31.77	-0.02
CSKK	49.5	219	Pg	10:04:26.40	0.47
			Sg	04:32.93	0.10
PKST	69.6	224	Sg	10:04:38.60	-0.59
VYHS	88.2	8	Sg	10:04:43.52	-1.59
MPLH	104.6	235	Sg	10:04:49.25	-1.07

1264.

2020-10-07 time: 11:03:36.34 UTC ML= 1.5  
 lat: 47.826N lon: 19.099E h= 0.0 km  
 erh= 4.2km erz= \*\*\*km  
 nr= 7 gap=122 rms=0.96  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.2	106	Pg	11:03:39.40	0.52
			Sg	03:41.05	0.19
A338	59.7	291	Sg	11:03:57.27	1.97
PSZ	60.4	80	Sg	11:03:55.31	-0.22
PKSG	71.9	228	Sg	11:03:58.93	-0.25
VYHS	76.8	345	Sg	11:03:59.13	-1.64
PKST	102.0	232	Sg	11:04:07.82	-0.93

1265.

2020-10-08 time: 7:30:03.95 UTC ML= 2.1  
 lat: 48.450N lon: 17.205E h= 0.0 km  
 erh= 2.0km erz= 439km  
 nr= 7 gap=187 rms=0.29  
 Locality: Slovakia  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
MODS	10.0	148	Pg	7:30:05.42	-0.31
			Sg	30:06.87	-0.25
SMOL	18.0	67	Pg	7:30:07.43	0.26
			Sg	30:09.65	-0.02
ZST	29.2	195	Pg	7:30:09.23	0.07
			Sg	30:13.94	0.71
CONA	115.5	240	Sg	7:30:40.38	-0.29

1266.

2020-10-08 time: 8:03:12.28 UTC ML= 1.6  
 lat: 47.092N lon: 18.027E h= 0.0 km  
 erh= 0.9km erz= 1.9km  
 nr= 15 gap= 98 rms=0.31  
 Locality: Királyszentistván  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	23.7	206	Pg	8:03:16.76	0.25
CSKK	34.9	30	Pg	8:03:18.76	0.24
			Sg	03:23.58	0.20
MPLH	38.0	283	Pg	8:03:19.06	-0.01
			Sg	03:24.13	-0.23
PKSG	43.2	40	Pg	8:03:19.78	-0.22
			Sg	03:26.30	0.29
MORH	108.3	154	Pg	8:03:31.76	0.14
			Sg	03:46.19	-0.51
PKSM	108.6	154	Pg	8:03:31.73	0.06
			Sg	03:46.69	-0.10
KOVH	111.7	177	Pg	8:03:32.51	0.27
			Sg	03:46.37	-1.43
VYHS	167.2	21	Pn	8:03:39.96	-0.21
			Sn	03:59.54	-2.38*
PSZ	168.0	57	Sn	8:04:01.84	-0.25

1267.

2020-10-08 time: 8:15:04.65 UTC ML= 1.2  
 lat: 46.133N lon: 18.062E h= 0.0 km  
 erh= 1.6km erz= 212km  
 nr= 7 gap=287 rms=0.14  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	5.7	149	PgU	8:15:05.68	0.01
			Sg	15:06.61	0.14
PKSV	30.9	151	Sg	8:15:14.23	-0.23
PKSM	45.6	79	Pg	8:15:12.85	0.06
			Sg	15:19.32	0.18
MORH	45.9	78	Pg	8:15:12.85	0.00
			Sg	15:18.87	-0.37

1268.

2020-10-08 time: 8:24:13.87 UTC ML= 1.4  
 lat: 48.589N lon: 20.755E h= 0.0 km  
 erh= 2.6km erz= 2.7km  
 nr= 6 gap=226 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.1	240	Pg	8:24:18.46	0.46
			Sg	24:21.73	0.52
ABAH	48.4	132	Pg	8:24:22.88	0.37
			Sg	24:28.61	-0.64
PSZ	98.2	221	Sg	8:24:44.37	-0.71
VYHS	142.1	266	Sn	8:24:56.47	-1.46

1269.

2020-10-08 time: 8:25:26.98 UTC ML= 1.8  
 lat: 48.231N lon: 21.246E h= 0.0 km  
 erh= 2.9km erz= 4.5km  
 nr= 8 gap=154 rms=0.62  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.2	356	Pg	8:25:28.85	0.58
			Sg	25:29.68	0.41
KECS	62.9	296	Sg	8:25:46.77	-0.20
TRPA	96.9	97	Sg	8:25:57.57	-0.20
PSZ	106.5	251	Sg	8:26:00.48	-0.36
KOLS	108.8	44	Sg	8:25:59.33	-2.24
VYHS	180.9	279	Pn	8:25:56.66	0.09
			Sn	26:19.66	0.01

1270.

2020-10-08 time: 9:43:49.50 UTC ML= 0.7  
 lat: 47.213N lon: 18.278E h= 0.0 km  
 erh= 6.6km erz= 750km  
 nr= 5 gap=190 rms=0.34  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.8	356	Pg	9:43:52.76	0.26
			Sg	43:54.11	-0.73
PKSG	21.7	23	Pg	9:43:53.61	0.23
			Sg	43:56.30	-0.10
PKSM	114.7	166	Sg	9:44:25.62	-0.33

1271.

2020-10-09 time: 4:14:12.33 UTC ML= 0.8  
 lat: 47.405N lon: 18.422E h= 0.0 km  
 erh= 4.7km erz= 246km  
 nr= 5 gap=193 rms=0.12  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	2.8	238	PgU	4:14:12.96	0.13
			Sg	14:13.09	-0.14
CSKK	13.1	249	Pg	4:14:14.74	0.07
			Sg	14:16.35	-0.14
PBUD	45.0	81	Sg	4:14:26.50	-0.13

1272.

2020-10-09 time: 8:15:49.76 UTC ML= 1.6  
 lat: 47.341N lon: 18.454E h= 0.0 km  
 erh= 1.2km erz= 4.3km  
 nr= 8 gap=114 rms=0.51  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.4	320	Pg	8:15:51.41	0.32
			Sg	15:51.96	-0.16
CSKK	14.8	280	Pg	8:15:52.68	0.27
			Sg	15:54.16	-0.31
MORH	125.9	173	Sg	8:16:29.09	-0.69
PSZ	125.9	59	Sg	8:16:30.10	0.32
PKSM	126.3	173	Sg	8:16:30.05	0.14
VYHS	131.4	13	Sn	8:16:28.89	-2.55

## Hypocenter Parameters

## Földrengés paraméterek

1273.

2020-10-09 time: 10:11:33.63 UTC ML= 1.2  
 lat: 48.523N lon: 20.808E h= 0.0 km  
 erh= 1.0km erz= 1.3km  
 nr= 6 gap=209 rms=0.54  
 Locality: Bódvalenke  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.2	259	Pg	10:11:38.15	0.20
			Sg	11:41.43	0.11
ABAH	40.8	128	Pg	10:11:41.32	0.41
			Sg	11:46.55	-0.03
PSZ	95.5	225	Sg	10:12:03.37	-0.62
TRPA	135.6	109	Sn	10:12:14.31	-1.94

1274.

2020-10-09 time: 11:14:47.36 UTC ML= 1.6  
 lat: 45.535N lon: 17.344E h= 12.1 km  
 erh= 5.5km erz= 2.6km  
 nr= 12 gap=222 rms=0.64  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	80.9	61	Pg	11:15:01.50	-0.46
			Sg	15:12.31	-1.05
KOVH	85.1	44	Pg	11:15:03.07	0.37
			Sg	15:14.97	0.30
PTJ	115.3	291	Sn	11:15:21.65	-1.07
PKSM	125.7	53	Pn	11:15:08.93	0.41
			Sn	15:24.51	-0.51
MORH	126.2	53	Pn	11:15:08.93	0.36
			Sn	15:24.66	-0.46
KOGS	132.3	320	Sn	11:15:27.32	0.84
CRES	150.6	282	Pn	11:15:12.51	0.89
			Sn	15:29.53	-1.01

1275.

2020-10-09 time: 12:06:45.35 UTC ML= 1.1  
 lat: 48.638N lon: 20.215E h= 0.0 km  
 erh= 1.7km erz= 620km  
 nr= 9 gap= 90 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.4	131	Pg	12:06:50.70	0.64
			Sg	06:53.34	-0.40
LANS	79.1	316	eSg	12:07:09.90	-0.58
PSZ	83.4	197	Pg	12:07:00.16	-0.09
			Sg	07:11.12	-0.75
VYHS	103.0	261	Pg	12:07:03.96	0.22
			Sg	07:18.33	0.25
STHS	114.8	41	Pg	12:07:06.18	0.33
			Sg	07:21.03	-0.80

1276.

2020-10-09 time: 12:12:16.04 UTC ML= 1.1  
 lat: 47.382N lon: 18.366E h= 0.0 km  
 erh= 2.6km erz= 3.8km  
 nr= 8 gap=121 rms=0.60  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	2.2	61	Pg	12:12:16.65	0.22
			Sg	12:17.33	0.61
CSKK	8.2	255	Pg	12:12:17.63	0.12
			Sg	12:18.83	0.17

PKST	28.6	241	Pg	12:12:21.52	0.38
			Sg	12:24.71	-0.41
VYHS	128.5	16	Sg	12:12:55.48	-1.41
PKSM	131.8	171	Sn	12:12:56.19	-1.63

1277.

2020-10-09 time: 12:20:29.01 UTC ML= 1.9  
 lat: 48.664N lon: 22.408E h= 0.0 km  
 erh= 3.8km erz= 3.1km  
 nr= 16 gap=162 rms=1.04  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	31.5	342	Pg	12:20:34.71	0.07
			Sg	20:40.59	1.55
TRPA	60.1	171	Pg	12:20:40.44	0.69
			Sg	20:47.40	-0.72
ABAH	95.6	245	Pg	12:20:45.93	-0.15
			Sg	20:58.94	-0.46
STHS	119.4	315	Pg	12:20:49.47	-0.86
			Sg	21:05.66	-1.30
BMR	136.8	144	Sn	12:21:11.14	-0.75
KECS	143.3	262	Sn	12:21:10.76	-2.58
LTVH	147.2	195	Sn	12:21:12.49	-1.71
NIE	174.7	299	Pn	12:20:59.01	1.19
			Sn	21:21.07	0.77
PSZ	204.1	246	Pn	12:21:01.20	-0.30
DRGR	209.4	174	Sn	21:28.81	1.97
			Sn	12:21:29.35	1.34

1278.

2020-10-09 time: 13:07:34.93 UTC ML= 1.4  
 lat: 45.507N lon: 17.680E h= 12.0 km  
 erh= 5.1km erz= 1.5km  
 nr= 8 gap=340 rms=0.29  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	61.5	46	Pg	13:07:46.48	0.36
			Sg	07:54.80	-0.05
KOVH	72.4	27	Pg	13:07:48.05	0.02
			Sg	07:58.14	-0.11
PKSM	108.2	44	Pn	13:07:53.94	0.02
			Sn	08:08.22	-0.51
MORH	108.7	44	Pn	13:07:53.64	-0.34
			Sn	08:09.37	0.54

1279.

2020-10-10 time: 3:55:45.21 UTC ML= 2.0  
 lat: 48.072N lon: 20.873E h= 3.5 km  
 erh= 1.4km erz= 1.4km  
 nr= 33 gap= 40 rms=0.72  
 Locality: Alsózsolca  
 Comments: felt 4 EMS

sta	dist	azm	phase	hr mn sec	res
ABAH	36.9	48	PgD	3:55:52.09	0.26
			Sg	55:56.52	-0.48
KECS	54.0	328	Pg	3:55:54.91	0.03
			Sg	56:02.13	-0.29
PSZ	75.0	257	Pg	3:55:58.17	-0.45
			Sg	56:07.74	-1.34
BSZH	97.2	208	Pg	3:56:02.71	0.14
			Sg	56:15.62	-0.49
LTVH	108.5	135	Pg	3:56:04.57	-0.02
			Sg	56:19.46	-0.25
PENC	123.0	255	Pn	3:56:06.74	-0.39
			Sn	56:23.08	-1.15
TRPA	124.3	87	Pn	3:56:06.49	-0.80
			Sn	56:22.26	-2.26



## Földrengés paraméterek

KOLS 141.0 47 Pn 3:56:09.77 0.39  
 Sn 56:27.37 -0.86  
 PKSN 151.0 210 Sn 3:56:30.54 0.09  
 STHS 152.0 10 Pn 3:56:12.10 1.35  
 Sn 56:30.44 -0.24  
 NIE 155.4 345 Pn 3:56:12.37 1.20  
 Sn 56:30.41 -1.01  
 VYHS 158.3 287 Pn 3:56:12.19 0.65  
 Sn 56:32.05 -0.02  
 LANS 158.5 319 Pn 3:56:12.68 1.12  
 PKS7 172.0 229 Sn 3:56:35.74 0.63  
 DRGR 198.7 136 Pn 3:56:15.43 -1.14  
 Sn 56:43.00 1.96  
 PKSG 201.0 248 Pn 3:56:17.41 0.55  
 BMR 201.2 103 Sn 3:56:42.58 0.98  
 SIRR 209.3 163 Pn 3:56:17.98 0.09  
 Sn 56:44.06 0.68  
 BZS 278.7 168 Pn 3:56:27.57 1.02  
 DEV 288.2 148 Pn 3:56:28.44 0.71

1280.

2020-10-10 time: 4:01:36.73 UTC ML= 1.3  
 lat: 48.043N lon: 20.866E h= 8.4 km  
 erh= 2.3km erz= 2.6km  
 nr= 9 gap=124 rms=0.47  
 Locality: Kistokaj  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	39.5	45	Pg	4:01:44.33	0.39
			Sg	01:48.69	-0.88
KECS	56.5	330	Pg	4:01:47.36	0.43
			Sg	01:54.34	-0.54
PSZ	73.8	259	Pg	4:01:49.82	-0.18
			Sg	02:00.19	-0.16
NIE	158.3	345	Sn	4:02:22.69	0.21
DRGR	196.8	135	Pn	4:02:07.69	0.45
			Sn	02:29.86	-1.18

1281.

2020-10-10 time: 9:02:55.73 UTC ML= 0.8  
 lat: 46.186N lon: 18.276E h= 0.0 km  
 erh= 1.5km erz= 263km  
 nr= 8 gap=212 rms=0.19  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.4	231	Pg	9:02:58.75	-0.08
			Sg	03:01.66	0.40
PKSM	28.4	84	Pg	9:03:00.71	-0.08
			Sg	03:04.67	-0.07
MORH	28.6	83	Pg	9:03:00.81	-0.03
			Sg	03:05.38	0.56
PKSV	33.1	183	Pg	9:03:01.66	0.02
			Sg	03:05.98	-0.27

1282.

2020-10-10 time: 12:37:38.00 UTC ML= 2.3  
 lat: 47.424N lon: 19.787E h= 10.0 km  
 erh= 1.6km erz= 1.3km  
 nr= 51 gap= 39 rms=0.86  
 Locality: Nagykáta  
 Comments: felt 4 EMS

sta	dist	azm	phase	hr mn sec	res
BSZH	38.8	111	Pg	12:37:45.26	0.10
PSZ	55.5	8	Pg	12:37:47.60	-0.48
			Sg	37:54.67	-1.27
PENC	55.7	317	Pg	12:37:48.41	0.30
BUD	57.9	277	Sg	12:37:55.76	-0.93
PKSN	58.9	174	Pg	12:37:49.76	1.09

## Hypocenter Parameters

			Sg	37:57.14	0.15
PKS7	63.3	229	Pg	12:37:49.35	-0.09
			Sg	37:57.84	-0.52
PKB2	93.1	206	Pg	12:37:54.50	-0.22
			Sg	38:06.61	-1.15
PKS6	93.2	190	Sg	12:38:06.61	-1.18
PKB1	103.8	227	P*	12:37:56.34	-0.25
			S*	38:09.03	-2.06
PKSG	105.5	268	P*	12:37:56.31	-0.54
			S*	38:10.01	-1.54
PKS2	112.5	203	Pn	12:37:57.66	-0.11
			Sn	38:11.57	-1.63
CSKK	115.5	267	Pn	12:37:58.24	0.09
			Sn	38:12.72	-1.14
PKB3	120.0	202	Pn	12:37:58.76	0.05
			Sn	38:13.82	-1.05
PKB5	122.0	221	Pn	12:37:59.16	0.19
			Sn	38:14.74	-0.58
KECS	128.8	24	Pn	12:37:59.66	-0.15
			Sn	38:15.43	-1.39
PKB4	136.9	221	Pn	12:38:01.93	1.11
			Sn	38:18.90	0.27
VYHS	138.5	329	Pn	12:38:01.87	0.84
			Sn	38:19.24	0.25
ABAH	145.6	48	Pn	12:38:02.22	0.31
			Sn	38:20.51	-0.05
PKS9	147.7	231	Sn	12:38:21.78	0.76
TIH	155.0	248	Pn	12:38:04.22	1.14
MORH	160.2	213	Pn	12:38:04.45	0.73
			Sn	38:24.82	1.04
PKSM	160.7	213	Pn	12:38:04.80	1.02
			Sn	38:24.53	0.64
MPLH	172.3	261	Pn	12:38:06.76	1.52
SIRR	192.2	132	PnD	12:38:06.34	-1.37
			Sn	38:27.00	-3.89*
KOVH	196.7	221	Pn	12:38:08.74	0.47
PKSV	207.2	215	Pn	12:38:11.63	2.04
MODS	215.3	299	ePn	12:38:12.30	1.70
			eSn	38:35.20	-0.83
TRPA	220.7	69	Sn	12:38:40.14	2.92
NIE	225.2	10	Pn	12:38:13.13	1.30
DRGR	232.8	108	Pn	12:38:11.75	-1.03
BZS	245.1	145	Pn	12:38:13.48	-0.83
			Sn	38:49.11	6.47*
SURR	258.0	136	PnD	12:38:14.98	-0.94
RONA	264.5	277	Pn	12:38:16.84	0.11
			Sn	38:45.45	-1.49
CONA	300.1	281	Pn	12:38:22.20	1.04*
			Sn	38:56.16	1.33*
GZR	322.2	134	PnC	12:38:23.10	-0.82*
MDVR	329.3	153	PnC	12:38:23.12	-1.69*

1283.

2020-10-11 time: 6:26:41.77 UTC ML= 1.6  
 lat: 47.420N lon: 19.801E h= 8.6 km  
 erh= 1.7km erz= 1.3km  
 nr= 20 gap=143 rms=0.60  
 Locality: Nagykáta  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	55.8	7	Pg	6:26:51.76	-0.09
			Sg	26:59.49	-0.23
BUD	59.1	277	Sg	6:27:01.12	0.38
PKS7	63.8	229	Pg	6:26:53.69	0.42
			Sg	27:02.00	-0.24
PKS6	93.0	191	Sg	6:27:11.14	-0.31
PKB2	93.2	207	Sg	6:27:10.31	-1.21
PKSG	106.5	268	Pg	6:27:01.00	0.15
			Sg	27:15.06	-0.68
CSKK	116.5	267	Sn	6:27:17.77	-0.42
PKB3	120.0	203	Sn	6:27:18.06	-0.91
PKB5	122.4	221	Sn	6:27:19.11	-0.39
KECS	128.8	23	Sn	6:27:19.88	-1.03



## Földrengés paraméterek

## Hypocenter Parameters

1291.

2020-10-13 time: 3:49:59.22 UTC ML= 2.0  
 lat: 45.801N lon: 16.917E h= 9.2 km  
 erh= 2.5km erz= 2.3km  
 nr= 22 gap=102 rms=0.87  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	71.8	273	Pg	3:50:12.28	0.14
			Sg	50:22.32	0.10
BEHE	75.2	352	Pg	3:50:13.88	1.13
			Sg	50:24.64	1.34
PTJ	75.3	278	Pg	3:50:12.40	-0.36
			Sg	50:21.60	-1.72
KOGS	88.5	324	Pg	3:50:15.76	0.65
			Sg	50:27.04	-0.46
KOVH	97.2	71	Pg	3:50:16.56	-0.09
			Sg	50:28.61	-1.64
PKSV	104.2	85	Pg	3:50:17.32	-0.58
			Sg	50:29.32	-3.16
CRES	113.5	271	Pn	3:50:19.08	-0.15
			Sn	50:33.13	-1.71
BLY	118.8	170	Pn	3:50:21.25	1.36
			Sn	50:36.41	0.40
GROS	131.7	304	Sn	3:50:37.56	-1.31
PKSM	141.2	71	Pn	3:50:23.04	0.36
			Sn	50:40.55	-0.43
MORH	141.5	71	Pn	3:50:23.22	0.49
			Sn	50:40.58	-0.48
PKB4	151.6	59	Sn	3:50:44.05	0.77

1292.

2020-10-13 time: 10:00:06.64 UTC ML= 1.8  
 lat: 48.131N lon: 16.868E h= 0.0 km  
 erh= 5.3km erz= 4.4km  
 nr= 8 gap=245 rms=0.84  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	18.9	67	Pg	10:00:10.92	0.91
			Sg	00:13.05	0.40
MODS	40.7	48	Pg	10:00:14.68	0.78
			Sg	00:19.23	-0.33
KRUC	109.2	341	Sg	10:00:40.30	-1.06
A338	111.4	97	Sg	10:00:41.70	-0.34
VYHS	151.5	75	Pn	10:00:32.25	-0.31
			Sn	00:50.58	-2.20

1293.

2020-10-13 time: 10:10:36.37 UTC ML= 1.5  
 lat: 48.494N lon: 21.747E h= 0.0 km  
 erh= 1.1km erz= 238km  
 nr= 6 gap=201 rms=0.14  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	43.5	240	Pg	10:10:44.06	-0.09
			Sg	10:50.54	0.33
KOLS	62.4	38	Pg	10:10:47.46	-0.05
			Sg	10:56.22	0.03
KECS	93.2	269	Sg	10:11:05.85	-0.16
STHS	109.1	340	Sg	10:11:11.21	0.17

1294.

2020-10-13 time: 11:10:56.47 UTC ML= 1.6  
 lat: 46.062N lon: 22.488E h= 0.0 km  
 erh= 1.0km erz= 2.8km  
 nr= 11 gap= 72 rms=0.34  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	37.8	122	Pg	11:11:03.29	0.06
			Sg	11:08.27	-0.23
SIRR	67.9	290	Pg	11:11:08.53	-0.06
			Sg	11:17.60	-0.45
GZR	77.7	163	Pg	11:11:10.58	0.24
			Sg	11:20.62	-0.54
DRGR	82.9	12	Pg	11:11:11.37	0.10
			Sg	11:23.44	0.63
BZS	83.9	234	Pg	11:11:11.83	0.39
CJR	111.9	50	Sg	11:11:31.60	-0.45
LTVH	153.7	343	Sn	11:11:42.37	-0.73

1295.

2020-10-13 time: 16:10:42.59 UTC ML= 0.9  
 lat: 48.464N lon: 19.360E h= 0.0 km  
 erh= 2.7km erz= 727km  
 nr= 7 gap=174 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	38.9	275	Pg	16:10:49.23	-0.30
			Sg	10:55.19	0.25
PSZ	72.5	147	Pg	16:10:56.07	0.54
			Sg	11:04.96	-0.67
PENC	75.1	184	Sg	16:11:06.41	-0.04
KECS	83.3	89	Pg	16:10:57.83	0.37
			Sg	11:08.12	-0.93

1296.

2020-10-14 time: 7:01:40.88 UTC ML= 1.2  
 lat: 45.832N lon: 18.428E h= 0.0 km  
 erh= 1.2km erz= 162km  
 nr= 8 gap=273 rms=0.12  
 Locality: Nagyharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	15.0	295	Pg	7:01:43.56	0.00
			Sg	01:45.81	0.16
KOVH	38.2	318	Pg	7:01:47.69	-0.01
			Sg	01:52.59	-0.43
PKSM	45.3	21	Pg	7:01:49.11	0.14
			Sg	01:55.33	0.04
MORH	45.8	21	Pg	7:01:48.95	-0.11
			Sg	01:55.38	-0.07

1297.

2020-10-14 time: 8:13:59.47 UTC ML= 1.2  
 lat: 47.555N lon: 18.451E h= 0.0 km  
 erh= 2.3km erz= 4.2km  
 nr= 12 gap=105 rms=1.09  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	18.7	194	PgU	8:14:03.64	0.83
			Sg	14:06.59	1.17
CSKK	25.7	214	Pg	8:14:04.70	0.64
			Sg	14:07.84	0.20
PENC	67.7	67	Sg	8:14:20.52	-0.47

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
MPLH	81.0	238	Sg	8:14:24.19	-1.04
VYHS	108.3	15	Pg	8:14:19.91	1.10
			Sg	14:33.08	-0.81
PSZ	115.6	70	Sg	8:14:35.99	-0.22
MODS	126.3	316	Sg	8:14:38.25	-1.38
MORH	149.6	174	Sn	8:14:42.45	-2.75
PKSM	150.0	174	Sn	8:14:43.02	-2.27

1298.

2020-10-14 time: 8:16:23.73 UTC ML= 1.4  
 lat: 48.899N lon: 20.681E h= 0.0 km  
 erh= 2.0km erz= 3.8km  
 nr= 8 gap=127 rms=0.42  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.4	197	Pg	8:16:32.86	0.49
			Sg	16:38.99	-0.12
NIE	63.7	335	Sg	8:16:43.65	-0.34
STHS	70.7	35	Sg	8:16:45.96	-0.25
ABAH	78.7	148	Pg	8:16:38.13	0.35
			Sg	16:48.17	-0.57
PSZ	123.6	208	Sg	8:17:02.29	-0.72
OJC	160.2	337	Sn	8:17:12.02	0.23

1299.

2020-10-14 time: 9:43:18.27 UTC ML= 1.8  
 lat: 47.336N lon: 18.434E h= 0.0 km  
 erh= 1.1km erz= 3.6km  
 nr= 8 gap=113 rms=0.37  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.1	332	PgU	9:43:19.72	0.19
			Sg	43:20.09	-0.43
CSKK	13.5	283	Pg	9:43:21.05	0.37
			Sg	43:22.21	-0.35
MORH	125.5	173	Sg	9:43:58.18	0.01
PKSM	125.9	173	Sg	9:43:58.28	-0.02
PSZ	127.5	59	Sg	9:43:58.85	0.06
VYHS	132.3	13	Sn	9:43:58.61	-1.54

1300.

2020-10-14 time: 9:47:24.74 UTC ML= 0.9  
 lat: 47.186N lon: 18.304E h= 0.0 km  
 erh= 5.4km erz= 5.0km  
 nr= 7 gap=184 rms=0.40  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.0	351	Pg	9:47:28.60	0.29
			Sg	47:30.23	-0.86
PKSG	23.8	16	Pg	9:47:29.35	0.35
			Sg	47:31.72	-0.59
MORH	110.9	166	Sg	9:47:59.95	-0.06
PKSM	111.3	167	Sg	9:48:00.14	0.01
PSZ	144.8	56	Sn	9:48:09.38	-0.02

1301.

2020-10-14 time: 9:48:44.91 UTC ML= 1.5  
 lat: 48.575N lon: 17.452E h= 0.0 km  
 erh= 0.8km erz= 1.8km  
 nr= 10 gap=150 rms=0.21  
 Locality: Slovakia  
 Comments: probably explosion

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
SMOL	7.0	194	PgU	9:48:45.98	-0.18
			Sg	48:47.07	-0.06
MODS	25.8	210	Pg	9:48:49.76	0.24
			Sg	48:53.34	0.22
ZST	49.4	212	Sg	9:49:00.50	-0.12
KRUC	94.7	305	Sg	9:49:14.94	-0.06
VYHS	102.6	95	Pg	9:49:03.46	0.22
			Sg	49:17.25	-0.28
CONA	138.3	239	Pn	9:49:09.08	-0.11
			Sn	49:26.77	-1.35*

1302.

2020-10-14 time: 11:38:00.52 UTC ML= 1.5  
 lat: 46.070N lon: 22.083E h= 0.0 km  
 erh= 2.4km erz= 771km  
 nr= 8 gap=113 rms=0.57  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SIRR	39.4	304	Pg	11:38:08.03	0.48
			Sg	38:13.05	0.02
BZS	62.1	216	Pg	11:38:11.58	-0.03
			Sg	38:19.55	-0.70
GZR	92.6	144	Pg	11:38:17.54	0.48
			Sg	38:28.83	-1.13
DRGR	93.6	31	Pg	11:38:17.57	0.34
			Sg	38:29.16	-1.11

1303.

2020-10-15 time: 8:46:53.53 UTC ML= 1.2  
 lat: 46.220N lon: 18.255E h= 0.0 km  
 erh= 1.6km erz= 3.6km  
 nr= 12 gap=141 rms=0.51  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.0	219	Pg	8:46:57.42	0.51
			Sg	47:00.08	0.53
PKSM	29.8	92	Pg	8:46:59.12	0.27
			Sg	47:02.90	-0.10
MORH	30.0	91	Pg	8:46:59.18	0.29
			Sg	47:02.76	-0.31
PKSV	36.9	180	Pg	8:46:59.74	-0.37
			Sg	47:04.39	-0.86
PKB4	40.8	41	Sg	8:47:07.66	1.18
PKS9	40.8	3	Sg	8:47:05.99	-0.51
CSKK	127.1	0	Sg	8:47:33.29	-0.62
PKSG	130.7	5	Sn	8:47:34.42	-0.63

1304.

2020-10-15 time: 8:52:23.65 UTC ML= 1.4  
 lat: 48.576N lon: 20.788E h= 0.0 km  
 erh= 3.1km erz= 5.1km  
 nr= 10 gap=113 rms=0.78  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	245	Pg	8:52:28.04	0.01
			Sg	52:31.81	0.36
ABAH	45.7	133	Pg	8:52:32.03	0.23
			Sg	52:38.18	0.02
PSZ	98.7	222	Sg	8:52:54.25	-0.77
STHS	99.3	20	ePg	8:52:42.50	1.12
			eSg	52:54.30	-0.91
KOLS	116.2	70	Sg	8:52:59.20	-1.40
VYHS	144.4	266	Pn	8:52:49.35	0.66
			Sn	53:06.55	-1.67

## Földrengés paraméterek

## Hypocenter Parameters

1305.  


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 2020-10-15 time: 9:02:27.35 UTC ML= 1.3  
 lat: 48.687N lon: 19.939E h= 0.0 km  
 erh= 2.2km erz= 815km  
 nr= 12 gap= 73 rms=0.68  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.3	119	Pg	9:02:35.60	-0.02
			Sg	02:41.76	-0.30
LANS	62.0	326	Pg	9:02:38.92	0.49
			Sg	02:46.68	-0.40
VYHS	84.1	255	Pg	9:02:42.56	0.19
			Sg	02:52.68	-1.41
PSZ	85.5	182	Pg	9:02:43.14	0.52
			Sg	02:53.15	-1.39
NIE	85.9	19	Pg	9:02:42.92	0.23
			Sg	02:53.11	-1.54
ABAH	105.5	114	Pg	9:02:47.19	0.99
STHS	125.3	50	Pg	9:02:49.45	-0.27

1306.  


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 2020-10-15 time: 9:12:16.49 UTC ML= 1.2  
 lat: 48.485N lon: 20.759E h= 0.0 km  
 erh= 0.4km erz=63.5km  
 nr= 5 gap=211 rms=0.03  
 Locality: Martonyi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.2	270	Pg	9:12:20.07	-0.03
			Sg	12:22.93	0.02
ABAH	41.3	121	Pg	9:12:23.90	0.04
			Sg	12:29.58	-0.03
PSZ	90.0	226	Sg	9:12:45.08	-0.01

1307.  


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 2020-10-15 time: 9:49:14.95 UTC ML= 1.1  
 lat: 47.204N lon: 18.323E h= 0.0 km  
 erh= 1.4km erz= 2.8km  
 nr= 10 gap=111 rms=0.36  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.3	345	Pg	9:49:18.09	-0.13
			Sg	49:20.49	-0.28
PKSG	21.5	14	Pg	9:49:18.85	0.06
			Sg	49:21.80	0.02
MPLH	59.5	266	Pg	9:49:26.13	0.56
			Sg	49:33.44	-0.42
MORH	112.6	167	Sg	9:49:51.20	0.47
PKSM	112.9	168	Sg	9:49:50.95	0.10
KOVH	125.2	188	Sg	9:49:53.90	-0.84
PSZ	142.5	56	Sn	9:49:58.80	-0.29

1308.  


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 2020-10-15 time: 10:00:39.51 UTC ML= 1.8  
 lat: 48.139N lon: 16.914E h= 0.0 km  
 erh= 2.3km erz= 3.1km  
 nr= 12 gap= 93 rms=0.70  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.4	66	Pg	10:00:42.86	0.60
			Sg	00:44.74	0.33
MODS	37.5	46	Pg	10:00:46.38	0.17
			Sg	00:51.05	-0.39

RONA	67.2	223	Pg	10:00:52.02	0.51
			Sg	01:00.20	-0.67
CONA	81.9	253	Sg	10:01:05.00	-0.54
KRUC	109.5	340	Pg	10:00:59.77	0.70
			Sg	01:13.05	-1.27
CSKK	132.8	131	Sn	10:01:18.43	-3.08
ARSA	143.7	227	Sn	10:01:23.83	-0.10
VYHS	147.9	75	Sn	10:01:23.58	-1.29

1309.  


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 2020-10-15 time: 10:31:40.17 UTC ML= 2.0  
 lat: 48.554N lon: 18.209E h= 0.0 km  
 erh= 5.9km erz= \*\*\*km  
 nr= 12 gap=149 rms=1.11  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
A337	46.3	222	Pg	10:31:47.81	-0.63
			Sg	31:52.94	-1.96
VYHS	46.8	98	Pg	10:31:49.80	1.28
			Sg	31:56.04	1.01
SMOL	57.8	266	Pg	10:31:52.06	1.57
			Sg	31:58.48	-0.07
MODS	71.8	254	Pg	10:31:53.13	0.15
			Sg	32:02.29	-0.69
ZST	91.1	244	Pg	10:31:57.08	0.64
			Sg	32:08.38	-0.75
LANS	113.7	54	Pg	10:31:59.56	-0.92
			Sg	32:13.43	-2.89

1310.  


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 2020-10-15 time: 22:22:57.81 UTC ML= 2.0  
 lat: 47.846N lon: 16.239E h= 6.9 km  
 erh= 1.6km erz= 1.5km  
 nr= 35 gap= 46 rms=0.87  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.8	165	PgD	22:23:01.57	0.50
			Sg	23:03.68	0.08
CONA	29.6	288	Pg	22:23:03.20	-0.05
			Sg	23:06.27	-1.22
SOP	30.0	127	PgU	22:23:03.99	0.67
			Sg	23:07.82	0.21
ZST	75.3	59	Pg	22:23:11.47	0.15
			Sg	23:20.93	-0.92
ARSA	85.3	219	Pg	22:23:12.35	-0.75
			Sg	23:22.56	-2.47
EGYH	95.0	120	Pg	22:23:15.54	0.72
			Sg	23:27.22	-0.87
MODS	97.1	53	Pg	22:23:15.43	0.23
			Sg	23:27.89	-0.86
SMOL	115.5	50	Pn	22:23:18.36	-0.01
			Sn	23:33.34	-1.06
MPLH	123.5	127	Pn	22:23:19.21	-0.15
			Sn	23:35.70	-0.47
A337	123.9	69	Sn	22:23:36.72	0.47
			Pn	22:23:20.83	-0.05
KRUC	135.7	5	Sn	23:37.37	-1.50
			Pn	22:23:22.91	0.54
MOA	147.6	270	Sn	23:40.46	-1.07
			Pn	22:23:25.45	2.11
KOGS	155.4	180	Sn	23:42.48	-0.77
			Pn	22:23:42.60	-1.38
PERS	159.1	212	Pn	22:23:24.64	0.84
PKSG	169.5	107	Sn	22:23:45.78	-0.59
TREC	170.4	341	ePn	22:23:26.00	0.79
			eSn	23:46.20	-0.37
BIOA	195.7	265	Pn	22:23:30.80	2.44
			Sn	23:52.08	-0.11
VYHS	206.2	70	Pn	22:23:29.58	-0.09

## Hypocenter Parameters

## Földrengés paraméterek

Sn 23:59.97 5.45\*  
 ZVC 232.6 320 ePn 22:23:35.30 2.33  
 eSn 24:02.00 1.61

1311.

2020-10-16 time: 8:11:30.49 UTC ML= 1.9  
 lat: 48.012N lon: 19.429E h= 0.0 km  
 erh= 2.0km erz= 2.9km  
 nr= 15 gap= 96 rms=0.74  
 Locality: Iliny  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	27.0	204	Pg	8:11:35.46	0.16
			Sg	11:39.16	0.10
PSZ	36.3	107	Pg	8:11:37.64	0.67
			Sg	11:41.69	-0.33
BUD	66.1	207	Pg	8:11:43.07	0.77
PBUD	68.3	207	Sg	8:11:52.29	0.09
VYHS	69.4	321	Sg	8:11:52.43	-0.10
KECS	94.4	56	Sg	8:11:59.13	-1.35
PKSG	104.1	228	Sg	8:12:02.10	-1.46
PKS7	109.1	191	Sg	8:12:04.03	-1.15
CSKK	113.6	231	Sg	8:12:05.36	-1.23
MODS	164.9	284	eSn	8:12:19.60	-0.01
MPLH	170.2	237	Pn	8:11:59.38	0.64
PKB4	179.7	200	Sn	8:12:23.36	0.47
PKSM	208.9	197	Sn	8:12:30.26	0.90

1312.

2020-10-16 time: 8:33:04.78 UTC ML= 1.3  
 lat: 47.881N lon: 19.093E h= 0.0 km  
 erh= 3.2km erz= 617km  
 nr= 6 gap=219 rms=0.37  
 Locality: Berkenye  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.3	125	Pg	8:33:07.69	-0.19
			Sg	33:09.76	-0.53
PSZ	60.1	86	Pg	8:33:16.12	0.61
			Sg	33:23.85	-0.03
VYHS	70.8	344	Sg	8:33:27.15	-0.13
KECS	123.3	57	Sg	8:33:43.90	-0.08

1313.

2020-10-16 time: 8:46:07.40 UTC ML= 1.4  
 lat: 48.611N lon: 20.735E h= 0.0 km  
 erh= 1.7km erz= 3.0km  
 nr= 15 gap= 86 rms=0.67  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.2	232	Pg	8:46:12.10	0.56
			Sg	46:14.80	0.02
ABAH	51.2	133	Pg	8:46:17.00	0.47
			Sg	46:23.46	-0.20
NIE	95.0	341	Sg	8:46:37.99	0.39
STHS	97.1	23	Sg	8:46:37.17	-1.08
PSZ	99.1	219	Pg	8:46:25.44	0.35
			Sg	46:37.68	-1.21
LANS	110.6	303	Pg	8:46:27.38	0.23
			Sg	46:41.76	-0.80
KOLS	118.6	72	Sg	8:46:45.46	0.36
VYHS	140.8	265	Pn	8:46:32.84	0.86
			Sn	46:49.92	-1.24
TRPA	144.0	112	Pn	8:46:31.90	-0.48
			Sn	46:49.48	-2.39

1314.

2020-10-16 time: 11:34:27.57 UTC ML= 1.3  
 lat: 48.751N lon: 21.184E h= 0.0 km  
 erh= 2.0km erz= 3.0km  
 nr= 9 gap=100 rms=0.54  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	50.8	175	Pg	11:34:36.71	0.06
			Sg	34:44.25	0.52
KECS	59.5	240	Sg	11:34:46.44	-0.04
STHS	74.1	3	Pg	11:34:41.58	0.77
			Sg	34:50.08	-1.05
KOLS	82.5	76	Sg	11:34:53.33	-0.46
NIE	97.7	319	Sg	11:34:58.29	-0.35
PSZ	133.1	226	Sn	11:35:08.97	-0.67
LANS	133.3	289	Sn	11:35:09.87	0.19

1315.

2020-10-19 time: 6:30:53.43 UTC ML= 1.1  
 lat: 48.014N lon: 16.113E h= 0.0 km  
 erh= 4.0km erz= \*\*\*km  
 nr= 8 gap=182 rms=0.72  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	21.1	243	Pg	6:30:57.74	0.55
			Sg	31:00.12	0.00
RONA	37.5	159	Pg	6:31:00.81	0.69
			Sg	31:05.33	-0.02
MODS	95.4	65	Pg	6:31:09.66	-0.79
			Sg	31:24.03	0.30
ARSA	95.7	208	Pg	6:31:10.35	-0.17
			Sg	31:20.86	-3.00

1316.

2020-10-19 time: 8:08:59.59 UTC ML= 1.2  
 lat: 47.573N lon: 18.705E h= 0.0 km  
 erh= 2.3km erz= 5.0km  
 nr= 9 gap=112 rms=0.81  
 Locality: Tök  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	26.0	112	Sg	8:09:07.87	0.02
PBUD	26.0	117	Sg	8:09:08.93	1.06
PKSG	31.1	230	Sg	8:09:09.69	0.22
CSKK	40.8	235	Sg	8:09:12.92	0.35
PSZ	97.1	67	Sg	8:09:29.85	-0.62
MPLH	98.8	243	Sg	8:09:30.23	-0.76
VYHS	102.9	5	Pg	8:09:18.94	0.97
			Sg	09:31.31	-0.99
MODS	138.9	310	Sn	8:09:41.66	-1.29

1317.

2020-10-19 time: 8:56:01.58 UTC ML= 1.3  
 lat: 48.925N lon: 21.021E h= 0.0 km  
 erh= 2.8km erz= 5.1km  
 nr= 9 gap=158 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
STHS	57.0	17	Pg	8:56:12.06	0.30
			Sg	56:19.21	-0.49
KECS	63.0	219	Pg	8:56:12.91	0.08
			Sg	56:20.88	-0.72
ABAH	71.8	167	Pg	8:56:15.61	1.21

## Földrengés paraméterek

KOLS 91.8 89 Sg 56:23.33 -1.07  
 Pg 8:56:17.86 -0.10  
 Sg 56:30.41 -0.34  
 PSZ 139.6 217 Sn 8:56:44.98 -0.10

1318.

2020-10-19 time: 8:58:52.65 UTC ML= 1.5  
 lat: 48.908N lon: 21.057E h= 0.0 km  
 erh= 3.2km erz= 4.4km  
 nr= 9 gap= 95 rms=0.87  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
STHS	58.2	14	Sg	8:59:10.82			-0.33
KECS	63.2	222	Sg	8:59:12.26			-0.48
ABAH	69.3	169	Pg	8:59:06.23			1.20
			Sg	59:13.83			-0.86
NIE	78.6	316	Sg	8:59:16.97			-0.65
KOLS	89.2	88	Sg	8:59:21.42			0.42
TRPA	139.5	128	Sn	8:59:33.91			-2.22
PSZ	139.7	218	Pn	8:59:17.59			0.50
			Sn	59:36.17			0.01

1319.

2020-10-19 time: 9:15:16.37 UTC ML= 1.0  
 lat: 47.066N lon: 18.070E h= 0.0 km  
 erh= 2.6km erz= 843km  
 nr= 7 gap=132 rms=0.56  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	22.8	216	Sg	9:15:24.40			0.77
CSKK	36.1	24	Pg	9:15:22.75			-0.06
			Sg	15:28.08			0.24
MPLH	41.9	286	Pg	9:15:24.38			0.52
			Sg	15:28.67			-1.03
MORH	104.2	155	Sg	9:15:49.20			-0.29
KOVH	108.7	179	Sg	9:15:50.10			-0.81

1320.

2020-10-19 time: 9:50:04.84 UTC ML= 2.7  
 lat: 48.065N lon: 20.885E h= 5.6 km  
 erh= 1.6km erz= 1.4km  
 nr= 30 gap= 49 rms=0.70  
 Locality: Alsózsolca  
 Comments: felt 4-5 EMS

sta	dist	azm	phase	hr	mn	sec	res
ABAH	36.8	46	PgD	9:50:11.98			0.49
			Sg	50:16.28			-0.39
KECS	55.1	327	Pg	9:50:14.87			0.14
			Sg	50:21.90			-0.54
PSZ	75.7	258	Pg	9:50:17.88			-0.52
			Sg	50:28.09			-0.88
BSZH	97.0	209	Pg	9:50:22.12			-0.07
			Sg	50:35.92			0.21
TRPA	123.5	87	Pn	9:50:26.04			-0.51
			Sn	50:41.40			-2.08
PENC	123.6	256	Pn	9:50:26.51			-0.06
			Sn	50:42.31			-1.21
KOLS	140.9	47	Pn	9:50:29.10			0.38
			Sn	50:47.02			-0.32
PKSN	150.8	211	Pn	9:50:30.88			0.92
			Sn	50:50.24			0.68
STHS	152.6	10	Pn	9:50:29.99			-0.19
			Sn	50:49.66			-0.28
NIE	156.3	344	Pn	9:50:31.52			0.88
			Sn	50:50.70			-0.06
VYHS	159.3	287	Pn	9:50:31.20			0.18
			Sn	50:50.72			-0.72

## Hypocenter Parameters

LANS 159.6 319 Pn 9:50:32.13 1.07  
 Sn 50:50.94 -0.56  
 DRGR 197.6 136 Pn 9:50:35.28 -0.52  
 Sn 51:03.16 3.22  
 PKB2 198.3 219 Sn 9:51:04.19 4.10\*  
 PKSG 201.5 248 Pn 9:50:39.32 3.04  
 Sn 51:00.63 -0.18  
 CSKK 211.8 248 Sn 9:51:03.48 0.39  
 BZS 277.9 168 Pn 9:50:46.69 0.88

1321.

2020-10-20 time: 7:12:35.53 UTC ML= 1.6  
 lat: 47.005N lon: 17.971E h= 0.0 km  
 erh= 1.1km erz= 429km  
 nr= 9 gap=113 rms=0.32  
 Locality: Felsőörs  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	13.0	207	Pg	7:12:37.90			0.04
			Sg	12:39.79			0.12
MPLH	37.6	299	Pg	7:12:42.11			-0.13
			Sg	12:47.51			0.04
CSKK	45.5	29	Sg	7:12:49.95			-0.05
PKSG	53.5	36	Sg	7:12:53.03			0.48
MORH	101.7	150	Sg	7:13:07.46			-0.40
PKSM	102.0	150	Sg	7:13:07.34			-0.61
KOVH	102.3	174	Sg	7:13:08.75			0.70

1322.

2020-10-20 time: 7:52:19.11 UTC ML= 1.6  
 lat: 47.869N lon: 19.916E h= 0.0 km  
 erh= 3.5km erz= 6.1km  
 nr= 12 gap=181 rms=0.84  
 Locality: Mátraháza  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	5.7	344	Pg	7:52:20.81			0.67
			Sg	52:21.94			1.00
PENC	48.3	260	Pg	7:52:28.22			0.48
			Sg	52:35.18			0.71
KECS	80.4	32	Pg	7:52:34.17			0.70
			Sg	52:43.59			-1.07
VYHS	106.2	311	Pg	7:52:37.88			-0.20
			Sg	52:50.31			-2.57
ABAH	109.4	64	Pg	7:52:38.70			0.04
			Sg	52:52.69			-1.21
PKSG	126.3	245	Sg	7:52:58.08			-1.19
CSKK	136.6	246	Sn	7:53:00.91			-1.04

1323.

2020-10-20 time: 8:23:15.01 UTC ML= 1.8  
 lat: 46.049N lon: 22.815E h= 0.0 km  
 erh= 2.3km erz= 705km  
 nr= 10 gap=165 rms=0.55  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	19.7	160	Pg	8:23:18.82			0.30
			Sg	23:21.21			-0.05
GZR	73.0	182	Pg	8:23:27.97			-0.07
			Sg	23:37.35			-0.85
DRGR	82.9	354	Pg	8:23:30.00			0.18
			Sg	23:40.54			-0.83
SIRR	92.5	285	Pg	8:23:32.63			1.10
			Sg	23:44.31			-0.10
BZS	104.8	243	Pg	8:23:33.68			-0.04
			Sg	23:47.32			-1.00

## Hypocenter Parameters

1324.  


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2020-10-20 time: 8:42:26.94 UTC ML= 1.4  
lat: 48.610N lon: 20.757E h= 0.0 km  
erh= 2.2km erz= 3.1km  
nr= 7 gap=192 rms=0.38  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.5	235	Pg	8:42:31.89			0.58
			Sg		42:34.74		0.02
ABAH	49.9	134	Pg	8:42:35.97			0.11
			Sg		42:42.21		-0.60
PSZ	100.1	220	Sg	8:42:58.59			-0.16
LANS	112.0	302	Sg	8:43:02.29			-0.26
VYHS	142.4	265	Sn	8:43:10.58			-0.48

1325.  


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2020-10-20 time: 8:58:18.15 UTC ML= 1.3  
lat: 47.576N lon: 18.499E h= 0.0 km  
erh= 1.2km erz= 1.2km  
nr= 8 gap=157 rms=0.35  
Locality: Tarján  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	22.0	202	Pg	8:58:22.32			0.23
			Sg		58:25.33		0.18
CSKK	29.7	217	Pg	8:58:23.64			0.18
			Sg		58:27.22		-0.38
VYHS	105.1	14	Sg	8:58:51.38			-0.19
PSZ	111.3	70	Sg	8:58:53.95			0.41
MORH	151.6	176	Sn	8:59:03.74			-0.58
PKSM	152.0	176	Sn	8:59:03.62			-0.79

1326.  


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2020-10-20 time: 9:09:07.19 UTC ML= 1.2  
lat: 48.983N lon: 20.221E h= 0.0 km  
erh= 1.8km erz= 2.6km  
nr= 8 gap= 81 rms=0.44  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
NIE	48.9	8	Pg	9:09:16.15			0.22
			Sg		09:21.93		-0.81
LANS	58.1	289	Sg	9:09:25.57			-0.08
KECS	58.9	161	Sg	9:09:25.32			-0.61
STHS	88.8	57	Pg	9:09:23.43			0.38
PSZ	120.9	192	Sg	9:09:46.03			0.42
PENC	149.8	208	Sn	9:09:52.37			-0.58
KOLS	150.4	92	Sn	9:09:53.37			0.27

1327.  


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2020-10-20 time: 9:16:38.39 UTC ML= 2.1  
lat: 45.631N lon: 17.306E h= 0.0 km  
erh= 2.3km erz= 5.2km  
nr= 18 gap=117 rms=0.91  
Locality: Croatia  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	79.0	69	Pg	9:16:53.63			1.14
			Sg		17:03.31		-0.17
KOVH	79.9	50	Pg	9:16:54.03			1.38
			Sg		17:03.65		-0.13
BLY	98.5	186	Pg	9:16:56.90			0.92
			Sg		17:08.29		-1.42
BEHE	101.9	336	Pg	9:16:57.17			0.58
			Sg		17:11.02		0.24

## Földrengés paraméterek

PTJ	109.1	286	Pg	9:16:57.92			0.06
			Sg		17:11.90		-1.16
PKSM	122.0	58	Pg	9:16:59.97			-0.21
			Sg		17:15.24		-1.94
KOGS	122.2	318	Pg	9:17:00.48			0.27
			Sg		17:16.06		-1.17
MORH	122.4	58	Pg	9:17:00.10			-0.15
			Sg		17:15.52		-1.79
CRES	145.6	279	Pn	9:17:03.31			-0.27
			Sn		17:21.48		-1.74

1328.  


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2020-10-20 time: 9:20:23.90 UTC ML= 0.8  
lat: 47.202N lon: 18.309E h= 0.0 km  
erh= 1.3km erz= 321km  
nr= 6 gap=151 rms=0.19  
Locality: Székesfehérvár  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.3	348	Pg	9:20:27.22			0.06
			Sg		20:29.33		-0.37
PKSG	22.0	16	Pg	9:20:28.07			0.25
			Sg		20:30.82		-0.06
MPLH	58.4	266	Sg	9:20:42.41			-0.06
MORH	112.6	167	Sg	9:20:59.51			-0.19

1329.  


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2020-10-20 time: 10:00:10.28 UTC ML= 1.8  
lat: 48.136N lon: 16.905E h= 0.0 km  
erh= 2.7km erz= 2.9km  
nr= 13 gap= 97 rms=0.67  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	16.1	66	Pg	10:00:13.55			0.39
			Sg		00:15.43		0.02
MODS	38.2	46	Pg	10:00:17.17			0.06
			Sg		00:21.78		-0.66
RONA	66.5	223	Pg	10:00:22.19			0.03
			Sg		00:30.85		-0.57
CONA	81.2	253	Sg	10:00:36.38			0.30
KRUC	109.6	340	Sg	10:00:43.80			-1.32
PKSG	138.7	127	Sn	10:00:50.94			-2.65
ARSA	143.0	226	Pn	10:00:36.04			0.89
			Sn		00:53.61		-0.93
VYHS	148.7	74	Pn	10:00:36.75			0.90
			Sn		00:55.23		-0.57

1330.  


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2020-10-20 time: 10:10:11.09 UTC ML= 1.2  
lat: 46.122N lon: 18.020E h= 0.0 km  
erh= 3.0km erz= 440km  
nr= 8 gap=293 rms=0.32  
Locality: Bükkösd  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	7.2	121	PgU	10:10:12.77			0.39
			Sg		10:13.80		0.41
PKSV	31.6	145	Pg	10:10:16.40			-0.33
			Sg		10:20.71		-0.41
PKSM	49.1	78	Pg	10:10:19.97			0.12
			Sg		10:26.14		-0.54
MORH	49.4	78	Pg	10:10:20.02			0.12
			Sg		10:26.64		-0.14



## Földrengés paraméterek

## Hypocenter Parameters

1331.

2020-10-21 time: 7:07:09.02 UTC ML= 1.0  
 lat: 47.284N lon: 18.313E h= 0.0 km  
 erh= 1.6km erz= 432km  
 nr= 8 gap=142 rms=0.31  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	9.6	336	Pg	7:07:11.00			0.26
			Sg		07:12.01		-0.07
PKSG	13.3	26	Pg	7:07:11.45			0.06
			Sg		07:12.69		-0.56
PKST	21.3	262	Pg	7:07:12.40			-0.42
			Sg		07:15.60		-0.19
MPLH	60.0	258	Pg	7:07:20.12			0.40
PKSM	121.8	168	Sg	7:07:47.92			0.18

1332.

2020-10-21 time: 8:14:44.62 UTC ML= 1.0  
 lat: 47.567N lon: 16.354E h= 0.0 km  
 erh= 1.8km erz= 429km  
 nr= 8 gap=191 rms=0.32  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
RONA	15.4	344	PgU	8:14:47.44			0.06
			Sg		14:49.58		0.05
SOP	20.1	50	Pg	8:14:48.47			0.26
			Sg		14:51.16		0.15
CONA	54.6	317	Pg	8:14:54.59			0.21
			Sg		15:01.75		-0.23
ARSA	71.9	241	Sg	8:15:06.90			-0.57
MODS	113.2	38	Sg	8:15:19.70			-0.89

1333.

2020-10-21 time: 8:21:30.00 UTC ML= 1.8  
 lat: 48.521N lon: 19.257E h= 0.0 km  
 erh= 2.8km erz= 3.6km  
 nr= 10 gap=108 rms=1.15  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	31.3	264	Pg	8:21:37.03			1.45
			Sg		21:41.10		1.16
LANS	71.7	12	Sg	8:21:51.64			-1.14
PENC	81.3	179	Pg	8:21:45.21			0.70
			Sg		21:55.22		-0.61
KECS	90.9	93	Pg	8:21:46.62			0.40
A337	113.0	254	Sg	8:22:05.37			-0.54
PKSG	141.3	207	Sn	8:22:11.92			-1.95
MODS	147.4	264	Sn	8:22:13.61			-1.62
CSKK	148.7	210	Sn	8:22:13.55			-1.98

1334.

2020-10-21 time: 9:15:58.07 UTC ML= 1.2  
 lat: 47.870N lon: 16.055E h= 0.0 km  
 erh= 3.0km erz= 3.6km  
 nr= 8 gap=126 rms=0.72  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.9	294	Pg	9:16:01.42			0.52
			Sg		16:03.81		0.70
RONA	26.2	136	Pg	9:16:03.36			0.62
			Sg		16:06.91		0.53
ARSA	79.6	210	Pg	9:16:11.62			-0.67

Sg 16:22.70 -0.68  
 KRUC 134.9 11 Sn 9:16:38.83 -1.71  
 PERS 154.5 207 Sn 9:16:44.59 -0.28

1335.

2020-10-21 time: 9:24:56.83 UTC ML= 1.3  
 lat: 47.841N lon: 19.111E h= 0.0 km  
 erh= 2.0km erz= 578km  
 nr= 8 gap=117 rms=0.41  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PENC	14.0	114	Pg	9:24:59.56			0.23
			Sg		25:01.64		0.37
PSZ	59.2	82	Pg	9:25:07.22			-0.19
			Sg		25:15.57		-0.08
VYHS	75.4	344	Pg	9:25:10.92			0.63
			Sg		25:20.53		-0.26
PKST	103.7	231	Sg	9:25:29.25			-0.56
KECS	124.7	55	ePg	9:25:18.50			-0.60
			eSg		25:34.00		-2.46*

1336.

2020-10-21 time: 10:00:05.12 UTC ML= 1.6  
 lat: 48.407N lon: 17.177E h= 0.0 km  
 erh= 3.9km erz= \*\*\*km  
 nr= 7 gap=125 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	8.2	116	PgU	10:00:06.71			0.11
			Sg		00:08.38		0.64
SMOL	22.1	57	Pg	10:00:08.78			-0.29
			Sg		00:11.48		-0.66
KRUC	92.9	322	Pg	10:00:22.71			1.00
			Sg		00:34.27		-0.37
CONA	111.4	241	Sg	10:00:38.91			-1.62

1337.

2020-10-21 time: 10:23:26.87 UTC ML= 1.6  
 lat: 48.540N lon: 19.339E h= 0.0 km  
 erh= 2.2km erz= 2.8km  
 nr= 16 gap= 58 rms=0.88  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	37.5	262	Pg	10:23:34.20			0.63
			Sg		23:38.97		0.17
LANS	68.6	8	Pg	10:23:39.89			0.78
PSZ	80.5	149	Pg	10:23:41.42			0.17
			Sg		23:52.15		-0.31
PENC	83.4	183	Sg	10:23:52.63			-0.76
KECS	84.9	94	Pg	10:23:42.21			0.17
			Sg		23:52.69		-1.18
SRO	111.1	223	Sg	10:24:00.47			-1.73
NIE	121.0	36	Sg	10:24:03.36			-1.97
ABAH	143.2	101	Pn	10:23:53.01			1.24
			Sn		24:09.89		-1.30
PKSG	146.0	209	Sn	10:24:12.46			0.66
CSKK	153.7	212	Sn	10:24:13.84			0.34
OJC	189.8	10	Sn	10:24:22.06			0.55
MORC	190.0	316	Sn	10:24:20.18			-1.38

## Hypocenter Parameters

## Földrengés paraméterek

1338.

2020-10-21 time: 10:35:09.52 UTC ML= 1.7  
 lat: 47.104N lon: 19.379E h= 0.0 km  
 erh= 3.6km erz= 672km  
 nr= 9 gap=186 rms=0.52  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.7	249	Pg	10:35:12.88	0.20
			Sg	35:15.36	0.21
PENC	76.7	355	Pg	10:35:24.11	0.89
			Sg	35:32.46	-1.44
PSZ	98.6	23	Pg	10:35:27.00	-0.12
MORH	113.6	210	Pg	10:35:29.79	-0.01
			Sg	35:45.07	-0.55
PKSM	114.1	210	Pg	10:35:29.89	0.00
			Sg	35:45.07	-0.71

1339.

2020-10-21 time: 11:01:10.79 UTC ML= 1.2  
 lat: 47.335N lon: 17.706E h= 0.0 km  
 erh= 2.7km erz= 2.0km  
 nr= 7 gap=215 rms=0.30  
 Locality: Bakonyszűcs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	22.2	215	Pg	11:01:14.85	0.10
			Sg	01:17.58	-0.27
EGYH	29.7	288	Pg	11:01:15.67	-0.42
			Sg	01:20.50	0.27
KOVH	141.8	168	Sn	11:01:54.77	0.00
MORH	143.5	150	Sn	11:01:55.52	0.36
CONA	153.5	295	Sn	11:01:57.87	0.49

1340.

2020-10-21 time: 11:16:06.51 UTC ML= 1.6  
 lat: 47.297N lon: 17.666E h= 0.0 km  
 erh= 2.2km erz= 1.7km  
 nr= 10 gap=186 rms=0.48  
 Locality: Bakonykoppány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	17.1	214	Pg	11:16:09.86	0.31
			Sg	16:11.83	-0.10
CSKK	45.5	81	Sg	11:16:21.49	0.51
			Pg	11:16:16.66	0.20
PKSG	55.8	79	Sg	16:24.91	0.68
			Sg	11:16:29.75	-0.69
KOVH	138.4	166	Sn	11:16:49.01	-0.73
MORH	141.5	148	Sn	11:16:49.90	-0.54
PKSM	141.8	148	Pn	11:16:31.33	0.11
			Sn	16:49.53	-0.97

1341.

2020-10-21 time: 13:25:12.62 UTC ML= 1.6  
 lat: 47.077N lon: 19.408E h= 0.0 km  
 erh= 2.9km erz= 420km  
 nr= 5 gap=190 rms=0.19  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.1	260	Pg	13:25:15.94	-0.08
			Sg	25:18.58	-0.10
PENC	79.8	353	Pg	13:25:27.18	0.30
PSZ	100.4	21	Pg	13:25:30.32	-0.23
PKSM	112.7	211	Pg	13:25:32.83	0.08

1342.

2020-10-21 time: 13:38:02.54 UTC ML= 1.7  
 lat: 47.102N lon: 19.405E h= 0.0 km  
 erh= 4.4km erz= 589km  
 nr= 5 gap=189 rms=0.27  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.5	252	Pg	13:38:05.94	-0.08
			Sg	38:08.39	-0.35
PENC	77.2	353	Pg	13:38:16.77	0.45
PSZ	98.0	22	Pg	13:38:19.78	-0.26
MORH	114.4	211	Pg	13:38:23.05	0.09

1343.

2020-10-21 time: 13:50:21.88 UTC ML= 1.7  
 lat: 47.143N lon: 19.346E h= 0.0 km  
 erh= 4.0km erz= 404km  
 nr= 5 gap=182 rms=0.18  
 Locality: Örkény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	17.6	233	Pg	13:50:24.94	-0.09
			Sg	50:27.38	-0.11
PENC	72.2	356	Pg	13:50:35.03	0.26
PSZ	95.6	26	Pg	13:50:38.72	-0.24
PKSM	116.7	208	Pg	13:50:42.86	0.14

1344.

2020-10-21 time: 15:44:48.44 UTC ML= 1.1  
 lat: 48.110N lon: 20.878E h= 12.9 km  
 erh= 1.2km erz= 0.7km  
 nr= 5 gap=236 rms=0.04  
 Locality: Felsőzsolca  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	33.9	52	Pg	15:44:54.88	-0.04
			Sg	44:59.99	0.02
KECS	50.6	325	Pg	15:44:57.83	0.06
			Sg	45:05.00	-0.05
TRPA	123.7	89	Sn	15:45:25.49	0.00

1345.

2020-10-22 time: 8:15:47.40 UTC ML= 1.8  
 lat: 47.616N lon: 18.462E h= 0.0 km  
 erh= 2.8km erz= 4.2km  
 nr= 16 gap= 66 rms=1.17  
 Locality: Vértestolna  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SRO	24.7	333	Pg	8:15:53.33	1.52
			Sg	15:56.25	1.00
PKSG	25.4	192	Sg	8:15:55.26	-0.23
CSKK	31.9	208	Sg	8:15:57.72	0.17
BUD	44.7	109	Sg	8:16:01.11	-0.51
PENC	64.5	72	Pg	8:15:59.76	0.84
			Sg	16:07.80	-0.10
VYHS	101.6	16	Sg	8:16:17.87	-1.82
PSZ	112.5	73	Pg	8:16:09.10	1.61
			Sg	16:21.95	-1.22
PKS9	115.2	187	Sg	8:16:23.02	-1.00
MODS	122.2	314	Sg	8:16:23.20	-3.04
SOP	143.3	273	Sn	8:16:30.80	-0.92
MORH	156.2	175	Sn	8:16:33.71	-0.89
PKSM	156.6	175	Pn	8:16:14.35	0.38

## Földrengés paraméterek

## Hypocenter Parameters

Sn 16:33.34 -1.35

1346.

2020-10-22 time: 8:18:00.32 UTC ML= 1.3  
 lat: 48.588N lon: 20.753E h= 0.0 km  
 erh= 2.0km erz= 3.6km  
 nr= 9 gap=115 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	240	Pg	8:18:04.82	0.40
			Sg	18:07.36	-0.25
ABAH	48.4	132	Pg	8:18:09.06	0.09
			Sg	18:15.90	0.18
PSZ	98.0	221	Pg	8:18:17.82	-0.01
			Sg	18:30.56	-0.92
STHS	98.9	21	Pg	8:18:17.75	-0.24
TRPA	141.8	111	Sn	8:18:42.98	-1.33
VYHS	142.0	266	Pn	8:18:25.60	0.54

1347.

2020-10-22 time: 10:19:08.99 UTC ML= 1.4  
 lat: 45.541N lon: 17.362E h= 12.6 km  
 erh= 2.8km erz= 0.9km  
 nr= 9 gap=221 rms=0.20  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	79.4	61	Pg	10:19:23.46	0.12
			Sg	19:34.01	-0.52
KOVH	83.6	43	Pg	10:19:23.97	-0.12
			Sg	19:36.11	0.24
PKSM	124.2	53	Pn	10:19:30.12	0.23
			Sn	19:46.22	0.02
MORH	124.7	53	Pn	10:19:29.93	-0.02
			Sn	19:46.24	-0.05
CRES	151.8	282	Sn	10:19:51.92	-0.39

1348.

2020-10-23 time: 7:51:33.00 UTC ML= 2.0  
 lat: 46.953N lon: 22.324E h= 0.0 km  
 erh= 2.7km erz= 2.6km  
 nr= 10 gap=194 rms=0.52  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	34.5	121	Pg	7:51:39.07	-0.10
			Sg	51:44.35	0.38
SIRR	91.7	214	Pg	7:51:49.37	0.00
			Sg	52:01.23	-0.90
CJR	100.8	105	Pg	7:51:51.69	0.69
BMR	119.4	48	Pg	7:51:54.01	-0.32
			Sg	52:10.27	-0.70
BZS	158.2	200	Sn	7:52:20.37	-0.27
GZR	176.8	169	Pn	7:52:02.86	0.77
			Sn	52:24.20	-0.57

1349.

2020-10-23 time: 8:17:24.13 UTC ML= 1.3  
 lat: 48.606N lon: 20.794E h= 0.0 km  
 erh= 0.5km erz=57.7km  
 nr= 5 gap=257 rms=0.03  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.6	239	Pg	8:17:28.89	0.01

sta	dist	azm	phase	hr mn sec	res
ABAH	47.7	136	Sg	17:32.52	-0.06
			Pg	8:17:32.65	0.00
			Sg	17:39.28	-0.01
PSZ	101.5	221	Sg	8:17:56.44	0.03

1350.

2020-10-23 time: 9:36:18.42 UTC ML= 1.2  
 lat: 47.871N lon: 16.032E h= 0.0 km  
 erh= 2.6km erz= 3.6km  
 nr= 11 gap= 88 rms=1.19  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.2	297	Pg	9:36:22.04	1.08
			Sg	36:24.33	1.39
RONA	27.5	134	Pg	9:36:23.97	0.64
			Sg	36:27.99	0.83
SOP	44.6	118	Pg	9:36:27.50	1.11
			Sg	36:32.08	-0.53
ARSA	78.9	209	Sg	9:36:42.31	-1.19
MODS	108.3	59	Sg	9:36:52.10	-0.73
KRUC	135.1	11	Pn	9:36:41.54	-0.76
			Sn	36:58.24	-2.69
MPLH	137.7	124	Sn	9:36:59.44	-2.06

1351.

2020-10-23 time: 9:49:18.96 UTC ML= 1.6  
 lat: 48.605N lon: 21.389E h= 0.0 km  
 erh= 1.9km erz= 674km  
 nr= 10 gap= 95 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	36.1	198	Pg	9:49:25.85	0.43
			Sg	49:30.31	-0.14
KECS	68.1	258	Pg	9:49:31.63	0.51
			Sg	49:39.85	-0.75
KOLS	74.5	61	Pg	9:49:33.00	0.73
			Sg	49:42.73	0.08
STHS	90.8	353	Pg	9:49:34.64	-0.54
			Sg	49:47.69	-0.15
TRPA	100.3	122	Pg	9:49:36.65	-0.22
			Sg	49:49.82	-1.01

1352.

2020-10-23 time: 10:00:34.61 UTC ML= 1.6  
 lat: 48.186N lon: 16.882E h= 0.0 km  
 erh= 3.2km erz= 5.0km  
 nr= 12 gap=165 rms=0.61  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.4	86	Pg	10:00:37.79	0.25
			Sg	00:39.54	-0.29
MODS	36.0	55	Pg	10:00:41.33	0.30
			Sg	00:45.94	-0.11
SOP	60.9	203	Pg	10:00:46.60	1.11
			Sg	00:53.94	-0.03
RONA	69.6	219	Pg	10:00:46.29	-0.74
			Sg	00:55.48	-1.24
CONA	81.3	249	Pg	10:00:49.46	0.34
			Sg	01:00.25	-0.20
ARSA	145.7	224	Pn	10:00:59.63	-0.17
VYHS	148.9	77	Sn	10:01:17.70	-2.46

## Hypocenter Parameters

## Földrengés paraméterek

1353.  
 2020-10-23 time: 12:25:55.93 UTC ML= 1.4  
 lat: 45.532N lon: 17.292E h= 9.9 km  
 erh= 5.7km erz= 1.4km  
 nr= 8 gap=343 rms=0.26  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	84.7	62	Pg	12:26:10.92			-0.23
			Sg	26:23.26			0.24
KOVH	88.2	45	Pg	12:26:11.55			-0.23
			Sg	26:24.39			0.25
PKSM	129.2	54	Pn	12:26:18.02			0.22
			Sn	26:34.49			-0.37
MORH	129.6	54	Pn	12:26:18.20			0.34
			Sn	26:34.72			-0.24

1354.  
 2020-10-23 time: 13:44:17.49 UTC ML= 1.3  
 lat: 47.585N lon: 16.302E h= 0.0 km  
 erh= 1.9km erz= 2.5km  
 nr= 14 gap= 82 rms=0.74  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SOP	22.2	60	PgU	13:44:21.87			0.42
			Sg	44:24.58			0.04
CONA	50.5	319	Pg	13:44:27.81			1.31
			Sg	44:33.02			-0.51
ARSA	69.5	238	Sg	13:44:38.77			-0.82
MPLH	104.2	116	Sg	13:44:50.38			-0.25
MODS	114.0	40	Sg	13:44:53.14			-0.59
KOGS	126.4	182	Sg	13:44:57.66			-0.03
GROS	139.0	206	Sn	13:45:01.51			0.65
SOKA	139.4	224	Sn	13:45:00.36			-0.60
PKSG	158.9	98	Sn	13:45:04.04			-1.24
KRUC	164.4	2	Pn	13:44:45.36			0.34
			Sn	45:04.69			-1.80
PTJ	189.2	188	Sn	13:45:12.00			0.01

1355.  
 2020-10-23 time: 19:24:44.98 UTC ML= 1.4  
 lat: 48.316N lon: 22.295E h= 14.5 km  
 erh= 2.1km erz= 1.7km  
 nr= 9 gap=130 rms=0.45  
 Locality: Lónya  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	27.5	139	Pg	19:24:50.99			0.47
			Sg	24:54.63			-0.21
KOLS	68.7	359	PgU	19:24:57.75			0.24
			Sg	25:06.39			-0.90
ABAH	78.3	268	Pg	19:24:59.28			0.08
			Sg	25:09.69			-0.61
BMR	114.7	129	Pn	19:25:04.56			0.10
			Sn	25:18.85			-0.81
KECS	135.3	278	Sn	19:25:24.83			0.60

1356.  
 2020-10-24 time: 21:59:55.21 UTC ML= 1.7  
 lat: 45.918N lon: 16.045E h= 10.4 km  
 erh= 2.9km erz= 2.7km  
 nr= 13 gap=159 rms=0.59  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	7.0	253	Pg	21:59:57.32			-0.13
			Sg	59:58.85			-0.35
ZAG	10.7	202	Pg	21:59:57.77			-0.10
			Sg	59:59.33			-0.61
GCIS	32.9	260	iPg	21:60:01.79			0.42
CREC	46.8	257	Pg	21:60:04.23			0.46
			Sg	60:09.99			-0.45
KOGS	61.0	15	Pg	21:60:07.21			0.95
			Sg	60:14.54			-0.34
GROS	73.5	325	Pg	21:60:09.08			0.62
			Sg	60:17.74			-1.05
BEHE	83.3	43	Sg	21:60:21.20			-0.71
PERS	107.1	318	Sn	21:60:28.06			-1.08

1357.  
 2020-10-26 time: 8:43:53.27 UTC ML= 1.9  
 lat: 46.031N lon: 22.785E h= 0.0 km  
 erh= 2.0km erz= 779km  
 nr= 12 gap=111 rms=0.65  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	18.8	151	PgU	8:43:56.72			0.10
			Sg	43:59.50			0.26
GZR	70.9	181	Pg	8:44:06.06			0.13
			Sg	44:15.37			-0.43
DRGR	84.7	356	Pg	8:44:07.87			-0.53
			Sg	44:18.82			-1.39
SIRR	90.9	287	Pg	8:44:09.99			0.50
			Sg	44:22.39			0.24
CJR	98.3	40	Pg	8:44:12.21			1.39
			Sg	44:23.46			-1.06
BZS	101.8	243	Pg	8:44:11.43			-0.02
			Sg	44:25.11			-0.53

1358.  
 2020-10-26 time: 9:15:06.03 UTC ML= 1.9  
 lat: 46.039N lon: 22.850E h= 0.0 km  
 erh= 2.0km erz= 689km  
 nr= 11 gap=129 rms=0.55  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	17.8	167	Pg	9:15:09.28			0.08
			Sg	15:12.17			0.50
GZR	72.0	185	Pg	9:15:18.99			0.11
			Sg	15:28.21			-0.69
DRGR	84.4	353	Pg	9:15:21.71			0.62
			Sg	15:31.63			-1.22
CJR	94.5	38	Sg	9:15:35.68			-0.39
SIRR	95.4	285	Pg	9:15:23.22			0.16
			Sg	15:36.94			0.59
BZS	106.7	244	Pg	9:15:25.01			-0.07
			Sg	15:38.19			-1.76

1359.  
 2020-10-26 time: 9:15:32.98 UTC ML= 1.8  
 lat: 48.606N lon: 18.572E h= 0.0 km  
 erh= 3.0km erz= 3.0km  
 nr= 15 gap=131 rms=0.85  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	23.1	122	Pg	9:15:37.04			-0.07
			Sg	15:39.86			-0.47
MODS	99.1	255	Pg	9:15:50.99			0.31
			Sg	16:02.91			-1.58
PENC	104.9	150	Pg	9:15:52.13			0.42

## Földrengés paraméterek

## Hypocenter Parameters

		Sg	16:05.69	-0.63	
PSZ	124.4	128	Pg	9:15:56.40	1.20
			Sg	16:10.94	-1.59
PKSG	135.6	186	Sn	9:16:15.46	-0.14
CSKK	140.1	190	Sn	9:16:16.65	0.06
KECS	142.0	96	Pn	9:15:58.64	0.93
			Sn	16:14.71	-2.30
NIE	156.2	55	Pn	9:15:59.96	0.47
			Sn	16:20.30	0.13
OJC	200.3	26	Sn	9:16:28.45	-1.52

1360.

2020-10-26 time: 9:26:27.62 UTC ML= 1.5  
 lat: 48.004N lon: 20.689E h= 0.0 km  
 erh= 7.0km erz= \*\*\*km  
 nr= 5 gap=209 rms=0.60  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	52.3	52	Pg	9:26:37.35	0.40
			Sg	26:43.81	-0.42
KECS	55.4	344	Pg	9:26:38.10	0.60
			Sg	26:44.38	-0.83
PSZ	60.1	261	Sg	9:26:45.91	-0.80

1361.

2020-10-26 time: 9:53:41.62 UTC ML= 0.8  
 lat: 47.214N lon: 18.330E h= 0.0 km  
 erh= 2.3km erz= 2.9km  
 nr= 8 gap=154 rms=0.33  
 Locality: Moha  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.5	342	Pg	9:53:44.76	0.03
			Sg	53:46.67	-0.50
PKSG	20.3	13	Pg	9:53:45.54	0.29
			Sg	53:48.33	0.25
MORH	113.5	168	Sg	9:54:17.71	0.02
PKSM	113.9	168	Sg	9:54:17.46	-0.35
KOVH	126.3	188	Sg	9:54:22.16	0.39
PSZ	141.4	56	Sn	9:54:24.80	-0.72

1362.

2020-10-26 time: 10:38:56.02 UTC ML= 1.2  
 lat: 48.594N lon: 20.782E h= 0.0 km  
 erh= 1.0km erz= 1.2km  
 nr= 8 gap=165 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.1	241	Pg	10:39:00.80	0.29
			Sg	39:03.97	-0.04
ABAH	47.3	134	Pg	10:39:04.59	0.11
			Sg	39:10.89	-0.18
PSZ	99.9	221	Sg	10:39:28.02	0.23
KOLS	115.9	71	Sg	10:39:33.34	0.46
TRPA	140.0	112	Sn	10:39:37.48	-2.14
VYHS	144.1	266	Sn	10:39:39.55	-0.98

1363.

2020-10-27 time: 6:54:22.19 UTC ML= 1.4  
 lat: 47.285N lon: 17.686E h= 0.0 km  
 erh= 0.9km erz= 1.2km  
 nr= 9 gap=139 rms=0.54  
 Locality: Bakonykoppány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	16.9	221	Pg	6:54:25.67	0.47
			Sg	54:28.17	0.62
EGYH	30.6	299	Pg	6:54:27.51	-0.14
			Sg	54:31.49	-0.41
CSKK	44.3	79	Sg	6:54:36.45	0.19
PKSG	54.6	77	Sg	6:54:40.14	0.61
KOVH	136.7	167	Sn	6:55:04.40	-0.64
MORH	139.5	148	Sn	6:55:05.10	-0.58
PKSM	139.8	149	Sn	6:55:04.28	-1.46

1364.

2020-10-27 time: 10:22:02.03 UTC ML= 1.3  
 lat: 48.605N lon: 20.749E h= 0.0 km  
 erh= 2.2km erz= 3.8km  
 nr= 9 gap=117 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.7	235	Pg	10:22:06.57	0.30
			Sg	22:09.77	0.20
ABAH	50.0	133	Pg	10:22:11.47	0.51
			Sg	22:17.43	-0.50
STHS	97.2	22	Sg	10:22:32.62	-0.32
PSZ	99.3	220	Sg	10:22:32.74	-0.85
KOLS	117.9	72	Sg	10:22:39.15	-0.34
VYHS	141.7	265	Pn	10:22:27.22	0.48
			Sn	22:45.05	-0.96

1365.

2020-10-27 time: 10:38:35.16 UTC ML= 1.2  
 lat: 46.162N lon: 18.307E h= 0.0 km  
 erh= 1.6km erz= 318km  
 nr= 8 gap=194 rms=0.24  
 Locality: Zobákpusztá  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	18.0	243	Pg	10:38:38.03	-0.34
			Sg	38:40.90	0.02
PKSM	26.4	78	Pg	10:38:40.09	0.22
			Sg	38:43.52	-0.03
MORH	26.7	77	Pg	10:38:40.10	0.17
			Sg	38:43.02	-0.63
PKSV	30.7	188	Pg	10:38:40.72	0.07
			Sg	38:45.09	0.16

1366.

2020-10-28 time: 7:38:01.18 UTC ML= 1.3  
 lat: 45.851N lon: 18.413E h= 0.0 km  
 erh= 1.5km erz= 221km  
 nr= 7 gap=265 rms=0.15  
 Locality: Nagyharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	13.2	288	Pg	7:38:03.38	-0.15
			Sg	38:05.61	0.24
KOVH	35.9	317	Sg	7:38:12.48	-0.10
PKSM	43.8	24	Pg	7:38:09.10	0.10
			Sg	38:15.09	-0.01
MORH	44.3	24	Pg	7:38:09.21	0.12
			Sg	38:15.00	-0.26

## Hypocenter Parameters

## Földrengés paraméterek

1367.

2020-10-28 time: 9:18:40.99 UTC ML= 1.8  
 lat: 47.529N lon: 19.972E h= 10.7 km  
 erh= 2.8km erz= 2.4km  
 nr= 12 gap=138 rms=0.68  
 Locality: Jászjákóhalma  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	43.6	352	Pg	9:18:48.94	-0.07
			Sg	18:55.06	-0.21
PENC	59.4	299	Pg	9:18:52.07	0.30
			Sg	19:00.42	0.24
PKSN	70.7	186	Sg	9:19:02.65	-1.08
PKS7	81.5	229	Sg	9:19:07.00	-0.11
PKB2	110.1	210	Sn	9:19:14.28	-1.22
KECS	112.8	20	Sn	9:19:14.86	-1.24
ABAH	127.4	48	Pn	9:19:03.18	0.63
			Sn	19:19.88	0.52
MORH	177.7	215	Sn	9:19:31.84	1.33
PKSM	178.2	215	Sn	9:19:31.43	0.81

1368.

2020-10-28 time: 10:10:35.14 UTC ML= 1.9  
 lat: 46.953N lon: 22.724E h= 0.0 km  
 erh= 9.2km erz= 6.0km  
 nr= 6 gap=316 rms=0.65  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	17.9	183	Pg	10:10:38.44	0.10
			Sg	10:41.07	0.23
SIRR	111.6	227	Pg	10:10:55.84	0.78
			Sg	11:09.51	-1.09
BZS	171.3	210	Pn	10:11:02.63	-0.90
			Sn	11:25.95	0.28

1369.

2020-10-28 time: 11:02:31.86 UTC ML= 1.4  
 lat: 46.134N lon: 18.045E h= 0.0 km  
 erh= 1.7km erz= 239km  
 nr= 8 gap=289 rms=0.17  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	6.6	141	Pg	11:02:33.03	-0.01
			Sg	02:34.23	0.27
PKSV	31.7	150	Pg	11:02:37.35	-0.17
			Sg	02:41.75	-0.18
PKSM	46.8	79	Pg	11:02:40.35	0.13
			Sg	02:46.35	-0.39
MORH	47.1	79	Pg	11:02:40.44	0.17
			Sg	02:46.81	-0.02

1370.

2020-10-28 time: 11:15:09.65 UTC ML= 1.6  
 lat: 48.596N lon: 20.779E h= 0.0 km  
 erh= 1.7km erz= 556km  
 nr= 8 gap= 87 rms=0.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.0	240	Pg	11:15:14.38	0.27
			Sg	15:17.62	0.03
ABAH	47.7	134	Sg	11:15:24.74	-0.06
STHS	97.5	20	Pg	11:15:27.66	0.60
			Sg	15:40.30	-0.33

PSZ 99.9 221 Sg 11:15:40.62 -0.79  
 LANS 114.3 303 Pg 11:15:29.98 -0.08  
 KOLS 116.1 71 eSg 11:15:46.00 -0.56

1371.

2020-10-28 time: 22:58:07.12 UTC ML= 2.1  
 lat: 46.185N lon: 16.641E h= 6.9 km  
 erh= 1.8km erz= 1.8km  
 nr= 27 gap=134 rms=0.74  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	33.4	18	Pg	22:58:13.28	0.07
			Sg	58:18.32	0.36
KOGS	42.0	314	Pg	22:58:14.83	0.11
			Sg	58:20.33	-0.31
PTJ	61.6	239	Pg	22:58:18.16	-0.03
			Sg	58:25.68	-1.14
GOLS	80.9	256	iPg	22:58:22.42	0.80
			iSg	58:33.67	0.73
GCIS	86.0	246	iPg	22:58:23.63	1.10
			iSg	58:34.65	0.10
DOBS	90.6	268	iPgC	22:58:22.59	-0.75
			iSg	58:36.05	0.06
GROS	92.9	289	Pg	22:58:24.11	0.35
			Sg	58:35.02	-1.72
CRES	100.0	247	Pg	22:58:25.30	0.28
			Sg	58:37.84	-1.14
KOVH	113.3	95	Pg	22:58:26.50	-0.89
			Sg	58:40.50	-2.69
PERS	127.5	293	Sn	22:58:45.37	-1.00
PKSV	129.0	105	Sn	22:58:45.39	-1.33
SOKA	135.2	294	Pn	22:58:30.70	0.56
			Sn	58:47.82	-0.27
ARSA	146.1	324	Sn	22:58:49.23	-1.27
PKSM	154.5	89	Pn	22:58:33.58	1.04
			Sn	58:52.89	0.53
PKB4	155.1	77	Sn	22:58:53.02	0.52
RONA	170.5	351	Sn	22:58:56.45	0.54

1372.

2020-10-29 time: 9:50:58.92 UTC ML= 1.4  
 lat: 47.285N lon: 18.375E h= 0.0 km  
 erh= 1.6km erz= 309km  
 nr= 6 gap=165 rms=1.08  
 Locality: Magyaralmás  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.9	6	PgU	9:51:00.12	-0.93
			Sg	51:00.69	-2.03
CSKK	12.3	315	Pg	9:51:01.47	0.36
			Sg	51:03.16	0.34
MORH	120.6	170	Sg	9:51:38.28	1.02
PKSM	121.0	170	Sg	9:51:39.03	1.64

1373.

2020-10-29 time: 9:55:56.82 UTC ML= 1.6  
 lat: 47.323N lon: 18.432E h= 0.0 km  
 erh= 2.6km erz= 4.0km  
 nr= 6 gap=159 rms=0.41  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.2	338	PgU	9:55:58.43	0.13
			Sg	55:59.19	-0.25
CSKK	13.7	289	Pg	9:55:59.72	0.45
			Sg	56:00.88	-0.30
MORH	124.2	172	Sg	9:56:36.25	-0.04
VYHS	133.6	13	Sn	9:56:37.82	-1.18

## Földrengés paraméterek

## Hypocenter Parameters

1374.

2020-10-29 time: 10:01:14.34 UTC ML= 2.1  
 lat: 48.257N lon: 21.250E h= 0.0 km  
 erh= 3.9km erz= 6.8km  
 nr= 8 gap=180 rms=0.69  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	4.3	350	PgU	10:01:15.91			0.80
			Sg	01:16.54			0.82
KECS	61.9	294	Pg	10:01:25.58			0.19
			Sg	01:32.76			-1.26
TRPA	96.9	98	Pg	10:01:31.41			-0.24
			Sg	01:45.03			-0.12
KOLS	106.5	45	Sg	10:01:46.91			-1.29
VYHS	180.7	278	Sn	10:02:07.06			0.09

1375.

2020-10-29 time: 10:09:26.58 UTC ML= 1.6  
 lat: 48.832N lon: 21.192E h= 0.0 km  
 erh= 7.0km erz= 7.0km  
 nr= 6 gap=209 rms=0.78  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	59.7	177	Pg	10:09:38.21			0.97
			Sg	09:44.89			-0.66
KECS	64.9	233	Pg	10:09:38.72			0.55
			Sg	09:46.25			-0.95
KOLS	80.1	82	Sg	10:09:51.36			-0.69
PSZ	139.8	223	Sn	10:10:09.41			-0.73

1376.

2020-10-29 time: 10:35:21.09 UTC ML= 1.5  
 lat: 48.632N lon: 20.744E h= 0.0 km  
 erh= 1.5km erz= 1.9km  
 nr= 7 gap=170 rms=0.34  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.3	229	Pg	10:35:26.04			0.44
			Sg	35:29.12			-0.01
ABAH	52.4	136	Pg	10:35:30.65			0.21
			Sg	35:37.24			-0.49
KOLS	117.2	73	eSg	10:35:58.40			0.05
VYHS	141.7	264	Pn	10:35:45.50			-0.28
			Sn	36:04.51			-0.54

1377.

2020-10-29 time: 10:48:17.16 UTC ML= 0.6  
 lat: 47.209N lon: 18.255E h= 0.0 km  
 erh= 0.8km erz= 251km  
 nr= 8 gap=138 rms=0.18  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	17.2	1	Pg	10:48:20.35			0.13
			Sg	48:22.11			-0.50
PKST	17.6	288	Pg	10:48:20.29			-0.02
			Sg	48:22.73			-0.03
PKSG	22.8	27	Pg	10:48:21.13			-0.10
			Sg	48:24.68			0.28
MORH	114.3	165	Sg	10:48:53.33			-0.17
PKSM	114.7	165	Sg	10:48:53.83			0.21

1378.

2020-10-29 time: 11:00:42.52 UTC ML= 1.9  
 lat: 48.134N lon: 16.925E h= 0.0 km  
 erh= 2.1km erz= 3.0km  
 nr= 18 gap= 78 rms=0.85  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	14.9	62	Pg	11:00:45.65			0.47
			Sg	00:47.64			0.38
MODS	37.4	44	Pg	11:00:49.33			0.14
			Sg	00:53.85			-0.54
RONA	67.4	224	Pg	11:00:54.76			0.21
			Sg	01:02.38			-1.56
CONA	82.6	254	Pg	11:00:57.23			-0.03
			Sg	01:07.53			-1.23
EGYH	85.3	159	Sg	11:01:11.42			1.79
KRUC	110.4	339	Pg	11:01:02.89			0.66
			Sg	01:16.60			-1.00
MPLH	116.6	157	Sg	11:01:18.20			-1.40
PKSG	137.4	127	Sn	11:01:22.15			-3.38
ARSA	144.0	227	Pn	11:01:08.22			0.72
			Sn	01:27.05			0.06
VYHS	147.3	74	Pn	11:01:08.10			0.18
			Sn	01:26.17			-1.56
MOA	201.0	261	Sn	11:01:41.03			1.38

1379.

2020-10-29 time: 11:47:30.42 UTC ML= 1.2  
 lat: 48.352N lon: 19.840E h= 0.0 km  
 erh= 1.3km erz= 431km  
 nr= 7 gap=107 rms=0.28  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	48.4	175	Pg	11:47:39.28			0.22
			Sg	47:45.88			0.07
KECS	50.0	73	Pg	11:47:38.90			-0.45
			Sg	47:46.43			0.12
VYHS	75.9	282	Sg	11:47:54.34			-0.21
LANS	92.9	343	Sg	11:47:59.99			0.05
NIE	123.6	16	Sg	11:48:10.16			0.45

1380.

2020-10-29 time: 12:16:40.30 UTC ML= 1.7  
 lat: 48.690N lon: 22.459E h= 0.0 km  
 erh= 5.2km erz= 5.8km  
 nr= 6 gap=173 rms=1.20  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOLS	30.3	333	Pg	12:16:45.64			-0.07
			Sg	16:51.06			1.14
TRPA	62.5	175	Sg	12:17:02.36			2.18
ABAH	100.2	244	Sg	12:17:11.52			-0.64
BMR	136.9	146	Sn	12:17:21.64			-1.57
KECS	147.4	261	Sn	12:17:24.12			-1.42

1381.

2020-10-29 time: 12:31:16.20 UTC ML= 1.4  
 lat: 46.100N lon: 21.737E h= 0.0 km  
 erh= 2.5km erz= 502km  
 nr= 6 gap=152 rms=0.29  
 Locality: Romania  
 Comments: probably explosion

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
SIRR	19.6	342	Pg	12:31:19.76	0.07
			Sg	31:22.33	-0.08
BZS	54.5	190	Pg	12:31:26.03	0.09
			Sg	31:33.18	-0.35
DRGR	107.3	44	Pg	12:31:35.64	0.28
			Sg	31:49.38	-0.92

1382.

2020-10-29 time: 14:27:59.26 UTC ML= 1.4  
 lat: 46.534N lon: 22.607E h= 0.0 km  
 erh= 2.3km erz= 2.8km  
 nr= 14 gap=110 rms=0.91  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	29.7	16	Pg	14:28:05.26	0.69
			Sg	28:08.65	-0.07
MARR	42.3	68	PgC	14:28:07.33	0.51
			Sg	28:12.60	-0.11
MESR	73.3	21	PgD	14:28:12.35	0.00
			Sg	28:21.60	-0.96
SIRR	78.6	248	Sg	14:28:24.28	0.02
BZS	127.5	217	Pg	14:28:23.89	1.85
			Sg	28:39.03	-0.77
LOT	150.6	143	Sn	14:28:43.70	-1.52
BANR	171.4	222	Sn	14:28:48.70	-1.13
TRPA	177.5	358	Sn	14:28:49.45	-1.74
VOIR	225.2	123	PnC	14:28:34.08	-0.29
			Sn	29:01.20	-0.56

1383.

2020-10-30 time: 7:37:44.16 UTC ML= 1.6  
 lat: 48.414N lon: 18.625E h= 0.0 km  
 erh= 3.0km erz= 4.1km  
 nr= 16 gap= 88 rms=1.29  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	18.0	60	Pg	7:37:48.07	0.70
			Sg	37:50.71	0.83
A338	48.7	205	Pg	7:37:53.98	1.12
			Sg	38:00.75	1.10
PENC	84.8	145	Sg	7:38:11.12	-0.01
MODS	99.9	267	Pg	7:38:03.84	1.85
			Sg	38:14.14	-1.77
PSZ	109.4	120	Pg	7:38:03.89	0.20
			Sg	38:17.58	-1.34
PKSG	115.0	189	Sg	7:38:20.23	-0.47
ZST	115.5	258	Sg	7:38:18.60	-2.27
CSKK	120.0	193	Sg	7:38:21.36	-0.93
PKST	135.8	199	Sn	7:38:24.94	-1.88
KECS	137.9	87	Sn	7:38:24.94	-2.34
MPLH	160.4	210	Sn	7:38:33.18	0.90
MORC	171.0	332	Sn	7:38:33.22	-1.40

1384.

2020-10-30 time: 7:41:26.51 UTC ML= 1.4  
 lat: 48.083N lon: 21.333E h= 0.0 km  
 erh= 2.5km erz= 670km  
 nr= 7 gap=174 rms=0.44  
 Locality: Taktabáj  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	24.7	344	Pg	7:41:31.38	0.45
			Sg	41:34.58	0.21
KECS	77.1	305	Sg	7:41:50.40	-0.62
TRPA	89.9	87	Pg	7:41:42.11	-0.46
			Sg	41:55.67	0.57

## Földrengés paraméterek

PSZ	108.9	260	Sg	7:42:01.32	0.18
KOLS	117.3	36	Sg	7:42:03.45	-0.36

1385.

2020-10-30 time: 8:50:35.50 UTC ML= 1.9  
 lat: 46.987N lon: 22.315E h= 0.0 km  
 erh= 2.7km erz= 3.6km  
 nr= 16 gap=155 rms=0.84  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	37.2	126	PgU	8:50:42.77	0.63
			Sg	50:47.79	0.47
MESR	51.5	69	Sg	8:50:52.40	0.54
MARR	70.4	119	Sg	8:50:56.70	-1.18
SIRR	94.4	212	Pg	8:50:53.14	0.78
			Sg	51:04.36	-1.15
CJR	102.5	107	PgD	8:50:53.90	0.10
			Sg	51:06.70	-1.38
TRPA	128.2	8	Pg	8:50:57.71	-0.69
			Sg	51:15.01	-1.25
DEV	130.8	160	Pn	8:50:59.28	0.44
SURR	137.8	186	PnC	8:50:59.78	0.06
			Sn	51:16.90	-1.71
BZS	161.5	199	Pn	8:51:03.74	1.06
			Sn	51:23.13	-0.75
LOT	204.6	147	PnD	8:51:08.82	0.77

1386.

2020-10-30 time: 9:57:38.12 UTC ML= 1.9  
 lat: 46.941N lon: 17.291E h= 0.0 km  
 erh= 2.4km erz= 3.6km  
 nr= 12 gap= 70 rms=0.98  
 Locality: Sümegprága  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	31.7	37	Pg	9:57:45.21	1.42
			Sg	57:48.58	0.37
BEHE	65.5	217	Sg	9:58:00.32	1.38
KOGS	96.6	235	Sg	9:58:09.43	0.60
PKSG	97.3	59	Sg	9:58:09.11	0.06
SOP	99.4	326	Sg	9:58:08.28	-1.43
PKB4	111.9	116	Pg	9:57:58.14	0.03
			Sg	58:13.25	-0.44
KOVH	113.3	147	Sg	9:58:12.89	-1.25
MORH	131.4	128	Sn	9:58:19.23	-0.57
PKSM	131.5	128	Sn	9:58:19.29	-0.54
ARSA	138.5	284	Sn	9:58:19.60	-1.78

1387.

2020-10-30 time: 10:43:57.02 UTC ML= 1.9  
 lat: 47.271N lon: 16.378E h= 0.0 km  
 erh= 2.9km erz= 5.4km  
 nr= 17 gap= 89 rms=1.19  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	47.8	17	Sg	10:44:12.17	-0.04
RONA	48.0	353	Pg	10:44:06.65	1.05
			Sg	44:12.87	0.58
ARSA	64.7	268	Sg	10:44:15.40	-2.20
CONA	82.7	332	Sg	10:44:22.20	-1.12
MPLH	88.7	97	Sg	10:44:25.17	-0.05
KOGS	92.0	186	Pg	10:44:14.14	0.69
GROS	112.1	217	Sg	10:44:29.19	-3.47
A339	114.5	57	Pg	10:44:17.83	0.37
			Sg	44:31.42	-1.99
ZST	116.3	28	Sg	10:44:33.15	-0.85
PERS	119.2	234	Pg	10:44:19.39	1.08



## Földrengés paraméterek

PKST 125.4 91 Pg 10:44:20.02 0.61  
 Sg 44:35.97 -0.90  
 MODS 139.9 29 Sn 10:44:39.49 -1.09  
 MOA 171.4 292 Sn 10:44:51.32 3.73  
 KRUC 199.1 0 Sn 10:44:54.36 0.63

1388.

2020-10-30 time: 12:26:06.94 UTC ML= 2.2  
 lat: 46.945N lon: 22.912E h= 0.0 km  
 erh= 9.7km erz=12.9km  
 nr= 6 gap=220 rms=1.00  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	22.9	222	PgU	12:26:12.01	0.99
			Sg	26:14.46	0.25
DEV	118.0	180	Sg	12:26:43.02	-1.42
SIRR	121.9	232	Pg	12:26:29.20	0.49
			Sg	26:44.02	-1.68
ABAH	195.9	320	Sn	12:27:01.94	-0.99

1389.

2020-10-31 time: 0:13:45.77 UTC ML= 0.6  
 lat: 47.717N lon: 16.116E h= 0.7 km  
 erh= 0.6km erz=22.7km  
 nr= 5 gap=137 rms=0.11  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	13.7	98	Pg	0:13:48.22	0.00
			Sg	13:50.01	-0.13
CONA	30.2	321	Pg	0:13:51.27	0.10
			Sg	13:55.16	-0.21
ARSA	68.5	221	Sg	0:14:07.65	0.11

1390.

2020-10-31 time: 0:15:02.23 UTC ML= 0.9  
 lat: 47.743N lon: 16.167E h= 17.4 km  
 erh= 2.0km erz= 1.2km  
 nr= 7 gap=105 rms=0.31  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	10.8	117	Pg	0:15:06.27	0.38
			Sg	15:08.03	-0.72
CONA	30.8	312	Pg	0:15:08.78	0.23
			Sg	15:13.24	-0.24
ARSA	73.2	222	P*	0:15:15.50	0.02
			S*	15:25.66	-0.15
MODS	108.4	50	Sn	0:15:34.51	-0.34

1391.

2020-11-02 time: 7:32:18.18 UTC ML= 1.8  
 lat: 46.044N lon: 22.871E h= 0.0 km  
 erh= 2.7km erz= 3.4km  
 nr= 17 gap=120 rms=1.01  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.0	172	Pg	7:32:22.07	0.67
			Sg	32:24.84	0.93
SURR	66.3	241	PgC	7:32:29.67	-0.35
			Sg	32:38.00	-1.25
DRGR	84.0	352	Pg	7:32:33.90	0.72
			Sg	32:44.10	-0.78
LOT	96.3	133	Sg	7:32:48.40	-0.39

## Hypocenter Parameters

SIRR 96.8 285 Pg 7:32:36.97 1.50  
 Sg 32:47.96 -1.00  
 BZS 108.4 244 Pg 7:32:38.17 0.63  
 Sg 32:50.85 -1.80  
 HERR 134.1 195 PnC 7:32:41.35 -0.58  
 Sn 32:57.70 -2.76  
 MDVR 167.1 213 PnC 7:32:46.04 0.00  
 Sn 33:06.80 -0.98  
 AMBH 169.1 282 Sn 7:33:09.62 1.40  
 VOIR 182.5 112 Sn 7:33:10.20 -1.00

1392.

2020-11-02 time: 8:53:12.23 UTC ML= 1.3  
 lat: 47.856N lon: 16.052E h= 0.0 km  
 erh= 2.0km erz= 4.4km  
 nr= 8 gap= 89 rms=0.65  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.3	299	Pg	8:53:15.55	0.41
			Sg	53:17.94	0.52
RONA	25.3	134	Pg	8:53:17.07	0.33
			Sg	53:20.84	0.58
ARSA	78.3	211	Sg	8:53:36.15	-0.95
MODS	107.8	58	Sg	8:53:46.31	-0.19
KRUC	136.4	11	Pn	8:53:35.72	-0.55
			Sn	53:52.28	-2.74

1393.

2020-11-02 time: 9:23:33.86 UTC ML= 1.7  
 lat: 46.071N lon: 22.871E h= 0.0 km  
 erh= 2.7km erz= 3.5km  
 nr= 17 gap= 74 rms=1.01  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	21.0	173	Pg	9:23:38.40	0.78
			Sg	23:41.98	1.43
SURR	67.8	239	PgC	9:23:46.77	0.81
			Sg	23:54.40	-1.00
DRGR	81.0	351	Sg	9:23:59.37	-0.24
CJR	90.7	38	Sg	9:24:01.40	-1.29
SIRR	96.0	283	Pg	9:23:52.04	1.03
			Sg	24:03.64	-0.74
LOT	98.4	135	PgC	9:23:51.04	-0.40
			Sg	24:03.20	-1.95
BZS	109.7	243	Sg	9:24:07.10	-1.64
HERR	137.0	195	PnD	9:23:58.06	0.09
			Sn	24:14.60	-2.18
MDVR	169.6	212	PnD	9:24:02.84	0.80
			Sn	24:24.20	0.18
VOIR	183.6	113	PnC	9:24:04.65	0.86
			Sn	24:26.80	-0.33

1394.

2020-11-02 time: 10:10:33.25 UTC ML= 1.5  
 lat: 48.629N lon: 20.748E h= 0.0 km  
 erh= 4.1km erz= 5.2km  
 nr= 9 gap=169 rms=0.59  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.2	230	Pg	10:10:37.79	0.03
			Sg	10:40.46	-0.81
ABAH	51.9	136	Pg	10:10:42.25	-0.26
			Sg	10:49.73	0.00
PSZ	101.3	219	Pg	10:10:52.48	1.15
			Sg	11:04.97	-0.47
KOLS	117.1	73	Sg	10:11:09.86	-0.60

## Hypocenter Parameters

VYHS 141.9 264 Pn 10:10:58.44 0.46  
Sn 11:16.67 -0.60

1395.

2020-11-02 time: 10:12:46.25 UTC ML= 1.3  
lat: 48.264N lon: 19.830E h= 0.0 km  
erh= 1.7km erz= 4.6km  
nr= 8 gap= 86 rms=0.55  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	38.8	173	Pg	10:12:53.47	0.29
			Sg	12:58.02	-0.56
KECS	54.3	63	Pg	10:12:56.62	0.67
			Sg	13:03.65	0.14
PENC	66.7	218	Sg	10:13:07.40	-0.06
VYHS	77.9	289	Sg	10:13:10.56	-0.47
ABAH	104.7	88	Sg	10:13:19.22	-0.30
NIE	133.2	15	Sn	10:13:26.56	-1.77

1396.

2020-11-02 time: 10:54:22.04 UTC ML= 1.6  
lat: 47.909N lon: 19.382E h= 0.0 km  
erh= 1.4km erz= 509km  
nr= 13 gap=121 rms=0.42  
Locality: Becske  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	15.1	210	Pg	10:54:24.63	-0.11
			Sg	54:27.64	0.79
PSZ	38.3	88	PgU	10:54:29.08	0.20
			Sg	54:34.45	0.23
BUD	54.4	210	Pg	10:54:31.97	0.22
			Sg	54:38.87	-0.45
PBUD	56.6	209	Sg	10:54:39.34	-0.68
VYHS	76.7	328	Pg	10:54:36.05	0.31
			Sg	54:46.15	-0.27
PKSG	94.1	232	Pg	10:54:39.06	0.22
			Sg	54:50.04	-1.90
KECS	104.0	52	Pg	10:54:40.57	-0.04
			Sg	54:54.12	-0.97

1397.

2020-11-02 time: 11:13:39.08 UTC ML= 1.4  
lat: 48.601N lon: 20.903E h= 0.0 km  
erh= 1.5km erz= 3.8km  
nr= 10 gap= 95 rms=0.40  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	33.5	247	Pg	11:13:45.51	0.46
			Sg	13:49.15	-0.56
ABAH	42.1	144	Pg	11:13:46.30	-0.30
			Sg	13:52.79	0.33
NIE	100.6	335	Sg	11:14:11.04	-0.03
PSZ	106.6	225	Pg	11:13:58.44	0.32
			Sg	14:12.44	-0.53
KOLS	107.3	70	Sg	11:14:12.85	-0.34
TRPA	132.1	113	Pn	11:14:02.76	0.18
			Sn	14:17.74	-3.18*

## Földrengés paraméterek

1398.

2020-11-02 time: 11:50:13.63 UTC ML= 1.1  
lat: 47.545N lon: 16.341E h= 0.0 km  
erh= 0.8km erz= 200km  
nr= 8 gap=195 rms=0.14  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	17.5	349	PgU	11:50:16.85	0.09
			Sg	50:19.20	0.00
SOP	22.5	47	Pg	11:50:17.80	0.16
			Sg	50:20.72	-0.05
CONA	55.8	320	Pg	11:50:23.47	-0.12
			Sg	50:31.38	0.02
ARSA	69.9	242	Sg	11:50:35.77	-0.07
MODS	115.7	37	Sg	11:50:49.62	-0.78

1399.

2020-11-02 time: 13:31:31.03 UTC ML= 2.6  
lat: 46.629N lon: 22.053E h= 6.4 km  
erh= 1.5km erz= 1.6km  
nr= 41 gap= 48 rms=0.90  
Locality: Romania  
Comments:

sta	dist	azm	phase	hr mn sec	res
SIRR	50.2	217	Pg	13:31:41.43	1.36
			Sg	31:47.74	0.62
DRGR	53.5	70	Pg	13:31:40.91	0.26
			Sg	31:46.98	-1.18
BORR	55.2	338	PgC	13:31:41.84	0.89
			Sg	31:47.00	-1.70
LTVH	84.9	352	Pg	13:31:46.74	0.51
			Sg	31:56.93	-1.15
MESR	89.6	50	PgC	13:31:46.58	-0.49
			Sg	31:58.50	-1.08
SURR	97.4	177	PgD	13:31:48.81	0.36
			Sg	32:00.60	-1.44
DEV	105.7	142	Pg	13:31:50.18	0.25
			Sg	32:03.15	-1.52
AMBH	106.5	253	Pg	13:31:50.39	0.32
			Sg	32:03.89	-1.04
BZS	117.4	197	Pn	13:31:51.59	-0.29
			Sn	32:05.68	-2.46
CJR	118.6	85	Pn	13:31:51.94	-0.09
			Sn	32:05.31	-3.10
BANR	155.7	207	Sn	13:32:16.00	-0.63
BMR	159.6	43	Sn	13:32:17.05	-0.46
TRPA	171.0	12	Pn	13:31:59.25	0.70
ARCR	182.7	74	PnD	13:32:01.13	1.11
			Sn	32:23.50	0.87
LOT	186.8	135	PnC	13:32:01.91	1.38
			Sn	32:23.60	0.06
MDB	187.1	107	PnC	13:32:00.99	0.43
			Sn	32:23.20	-0.40
ABAH	195.3	342	Pn	13:32:01.42	-0.16
HERR	196.3	172	PnD	13:32:03.17	1.46
			Sn	32:26.40	0.76
MDVR	207.0	187	PnC	13:32:03.08	0.03
			Sn	32:28.00	-0.02
PSZ	217.3	311	Pn	13:32:03.51	-0.83
			Sn	32:26.05	-4.27*
FRGS	240.5	226	Pn	13:32:07.82	0.59
PENC	246.5	302	Pn	13:32:07.68	-0.29
BURA	264.0	65	PnC	13:32:11.48	1.33
			Sn	32:41.70	1.03
DOPR	267.3	106	PnD	13:32:11.84	1.27
			Sn	32:41.80	0.38
BOVS	333.8	185	PnC	13:32:19.07	0.21*
BLKB	337.6	172	PnD	13:32:19.30	-0.03*
			Sn	32:56.90	-0.11*

## Földrengés paraméterek

## Hypocenter Parameters

1400.

2020-11-03 time: 6:06:54.24 UTC ML= 1.6  
 lat: 46.604N lon: 22.128E h= 13.1 km  
 erh= 6.5km erz= 1.7km  
 nr= 7 gap=201 rms=0.68  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DRGR	49.2	65	Pg	6:07:03.70	0.37
			Sg	07:09.41	-1.02
SIRR	51.9	224	Pg	6:07:04.01	0.20
			Sg	07:10.66	-0.61
CJR	113.2	84	Pn	6:07:14.68	0.97
			Sn	07:28.36	-0.54
BZS	116.7	200	Sn	6:07:28.75	-0.93

1401.

2020-11-03 time: 8:24:04.82 UTC ML= 1.5  
 lat: 48.993N lon: 19.390E h= 0.0 km  
 erh= 1.2km erz= 341km  
 nr= 6 gap=162 rms=0.21  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	18.4	18	Pg	8:24:08.07	-0.04
			Sg	24:10.46	-0.21
VYHS	68.8	216	Sg	8:24:26.78	0.09
NIE	82.3	55	Sg	8:24:31.17	0.20
KECS	98.5	125	Sg	8:24:36.44	0.30
PSZ	125.2	163	Sg	8:24:44.22	-0.39

1402.

2020-11-03 time: 8:30:01.72 UTC ML= 2.3  
 lat: 48.452N lon: 17.159E h= 0.0 km  
 erh= 2.5km erz= 444km  
 nr= 7 gap=214 rms=0.30  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	12.4	135	PgU	8:30:04.01	0.08
			Sg	30:05.35	-0.31
SMOL	21.1	71	Pg	8:30:05.64	0.16
			Sg	30:08.23	-0.19
ZST	28.8	188	Pg	8:30:07.16	0.30
			Sg	30:10.72	-0.15
RONA	105.5	218	Sg	8:30:34.10	-1.16

1403.

2020-11-03 time: 10:20:56.09 UTC ML= 2.0  
 lat: 47.334N lon: 18.446E h= 0.0 km  
 erh= 2.4km erz= 3.3km  
 nr= 13 gap=114 rms=0.87  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.6	327	PgU	10:20:57.97	0.51
			Sg	20:58.47	-0.05
CSKK	14.4	283	Pg	10:20:59.54	0.88
			Sg	21:01.23	0.57
MPLH	71.0	255	Sg	10:21:16.64	-2.02
PENC	80.8	51	Sg	10:21:21.53	-0.25
MORH	125.2	173	Sg	10:21:35.15	-0.75
PKSM	125.7	173	Sg	10:21:35.59	-0.44
PSZ	126.8	59	Sg	10:21:36.22	-0.17
VYHS	132.2	13	Pn	10:21:20.15	0.54
			Sn	21:36.41	-1.55

KOVH 141.0 191 Sn 10:21:41.05 1.14  
 MODS 144.9 323 Sn 10:21:39.36 -1.42

1404.

2020-11-03 time: 13:13:27.15 UTC ML= 1.7  
 lat: 46.809N lon: 17.273E h= 0.0 km  
 erh= 1.8km erz= 3.6km  
 nr= 18 gap=101 rms=0.70  
 Locality: Vállus  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	45.0	27	Pg	13:13:35.90	0.72
			Sg	13:41.36	-0.09
KOGS	88.0	243	Sg	13:13:55.79	0.67
CSKK	97.1	51	Pg	13:13:44.81	0.33
			Sg	13:57.80	-0.20
KOVH	102.3	142	Pg	13:13:46.25	0.83
			Sg	13:59.43	-0.23
PKSG	106.8	53	Pg	13:13:46.88	0.66
			Sg	14:00.38	-0.71
PKB4	107.7	109	Sg	13:14:01.32	-0.06
SOP	111.2	331	Sg	13:14:00.00	-2.50
RONA	123.5	323	Sg	13:14:05.71	-0.71
MORH	124.2	122	Pg	13:13:49.33	0.00
			Sg	14:05.15	-1.48
PKSM	124.3	122	Pg	13:13:49.39	0.05
			Sg	14:05.08	-1.57
GROS	141.0	254	Sn	13:14:09.97	-1.00
ARSA	141.8	290	Sn	13:14:10.98	-0.15

1405.

2020-11-04 time: 8:52:22.04 UTC ML= 1.5  
 lat: 48.105N lon: 20.690E h= 0.0 km  
 erh= 2.0km erz= 426km  
 nr= 5 gap=188 rms=0.19  
 Locality: Pereces  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	44.7	340	Sg	8:52:36.27	0.03
ABAH	46.0	63	Pg	8:52:30.21	-0.05
			Sg	52:36.58	-0.08
PSZ	62.9	251	Pg	8:52:33.51	0.24
			Sg	52:41.64	-0.39

1406.

2020-11-04 time: 10:16:56.90 UTC ML= 1.7  
 lat: 48.597N lon: 20.744E h= 0.0 km  
 erh= 1.7km erz= 2.7km  
 nr= 13 gap= 91 rms=0.57  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.9	236	Pg	10:17:01.73	0.74
			Sg	17:04.02	-0.16
ABAH	49.7	132	Pg	10:17:06.22	0.45
			Sg	17:12.84	0.15
NIE	96.6	341	Sg	10:17:27.68	0.06
PSZ	98.4	220	Pg	10:17:14.38	-0.09
			Sg	17:27.18	-0.99
LANS	112.0	303	eSg	10:17:32.40	-0.10
KOLS	118.5	72	Sg	10:17:33.71	-0.85
VYHS	141.3	265	Pn	10:17:22.03	0.48
			Sn	17:39.67	-1.11
TRPA	142.8	111	Pn	10:17:21.72	-0.02
			Sn	17:38.98	-2.14

## Hypocenter Parameters

## Földrengés paraméterek

1407.

2020-11-04 time: 10:32:14.28 UTC ML= 0.6  
 lat: 47.242N lon: 18.222E h= 0.0 km  
 erh= 2.4km erz= 285km  
 nr= 6 gap=240 rms=0.17  
 Locality: Bakonykúti  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	13.8	12	Pg	10:32:16.75			0.01
			Sg		32:18.65		-0.01
PKST	14.3	278	Pg	10:32:16.65			-0.19
			Sg		32:18.94		0.10
PKSG	21.0	37	Pg	10:32:18.28			0.26
			Sg		32:20.72		-0.23

1408.

2020-11-04 time: 10:33:36.56 UTC ML= 1.2  
 lat: 48.675N lon: 20.846E h= 0.0 km  
 erh= 6.7km erz= 5.5km  
 nr= 5 gap=243 rms=0.92  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	34.1	231	Pg	10:33:43.69			1.05
			Sg		33:47.64		0.26
ABAH	51.2	145	Sg	10:33:52.82			-0.02
PSZ	109.8	220	Sg	10:34:10.11			-1.35
VYHS	149.6	262	Sn	10:34:21.23			-1.06

1409.

2020-11-04 time: 18:00:35.84 UTC ML= 1.7  
 lat: 45.644N lon: 21.154E h= 10.0 km  
 erh= 1.7km erz= 1.3km  
 nr= 8 gap=207 rms=0.24  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BANR	29.1	183	Pg	18:00:41.28			-0.05
			Sg		00:45.67		0.06
BZS	36.2	95	Pg	18:00:42.48			-0.07
			Sg		00:47.95		0.17
SIRR	79.6	29	Pg	18:00:50.33			0.15
			Sg		01:00.25		-1.11
GZR	129.8	102	Pn	18:00:57.99			0.21
			Sn		01:14.43		-0.46

1410.

2020-11-05 time: 8:04:19.55 UTC ML= 1.9  
 lat: 48.258N lon: 21.237E h= 0.0 km  
 erh= 2.7km erz= 848km  
 nr= 8 gap=151 rms=0.63  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ABAH	4.2	3	PgU	8:04:20.71			0.41
			Sg		04:21.43		0.55
KECS	61.0	294	Sg	8:04:38.69			-0.25
			Pg		04:49.74		-0.92
TRPA	97.9	98	Pg	8:04:37.08			0.05
			Sg		04:39.34		0.70
PSZ	106.9	249	Pg	8:04:39.34			0.70
			Sg		04:52.27		-1.26
KOLS	107.1	46	Sg	8:04:52.90			-0.70

1411.

2020-11-05 time: 9:28:09.38 UTC ML= 1.4  
 lat: 46.138N lon: 18.018E h= 0.0 km  
 erh= 2.0km erz= 265km  
 nr= 7 gap=293 rms=0.18  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	8.4	131	PgU	9:28:10.83			-0.05
			Sg		28:12.30		0.25
PKSV	33.1	147	Sg	9:28:19.61			-0.31
PKSM	48.8	80	Pg	9:28:18.23			0.14
			Sg		28:25.02		0.13
MORH	49.1	80	Pg	9:28:18.16			0.01
			Sg		28:24.63		-0.35

1412.

2020-11-05 time: 9:29:05.64 UTC ML= 1.4  
 lat: 47.870N lon: 16.042E h= 0.0 km  
 erh= 1.5km erz= 3.2km  
 nr= 7 gap=124 rms=0.63  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.0	296	Pg	9:29:08.91			0.59
			Sg		29:10.79		0.39
RONA	26.8	135	Pg	9:29:10.54			0.11
			Sg		29:14.68		0.51
ARSA	79.1	210	Pg	9:29:19.33			-0.44
			Sg		29:30.37		-0.43
KRUC	135.1	11	Sn	9:29:45.97			-2.18

1413.

2020-11-05 time: 9:35:50.72 UTC ML= 1.8  
 lat: 47.057N lon: 18.065E h= 0.0 km  
 erh= 2.0km erz= 531km  
 nr= 6 gap=131 rms=0.31  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	37.1	24	Sg	9:36:02.32			-0.19
MPLH	41.8	287	Sg	9:36:03.95			-0.07
MORH	103.5	155	Pg	9:36:09.59			0.38
			Sg		36:23.20		-0.43
KOVH	107.8	179	Pg	9:36:10.14			0.17
			Sg		36:24.53		-0.45

1414.

2020-11-05 time: 9:36:16.09 UTC ML= 1.5  
 lat: 47.056N lon: 18.066E h= 0.0 km  
 erh= 1.2km erz= 362km  
 nr= 7 gap=121 rms=0.25  
 Locality: Papkeszi  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	37.2	23	Pg	9:36:22.89			0.15
			Sg		36:27.60		-0.32
MPLH	41.9	288	Sg	9:36:29.42			0.01
PKSG	44.7	33	Sg	9:36:30.30			-0.01
PKSM	103.7	155	Sg	9:36:48.31			-0.74
KOVH	107.6	179	Pg	9:36:35.45			0.14
			Sg		36:50.45		0.16

## Földrengés paraméterek

## Hypocenter Parameters

1415.

2020-11-05 time: 9:37:11.13 UTC ML= 1.5  
 lat: 47.897N lon: 19.208E h= 0.0 km  
 erh= 2.5km erz= 670km  
 nr= 6 gap=183 rms=0.42  
 Locality: Felsőpetény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.1	155	Pg	9:37:13.29	-0.17
			Sg	37:15.04	-0.25
PSZ	51.4	87	Sg	9:37:28.32	0.85
VYHS	71.9	337	Pg	9:37:24.30	0.33
			Sg	37:33.34	-0.64
KECS	115.2	56	Sg	9:37:47.59	-0.17

1416.

2020-11-05 time: 10:37:02.66 UTC ML= 1.4  
 lat: 48.434N lon: 19.142E h= 0.0 km  
 erh= 2.6km erz= 5.7km  
 nr= 11 gap= 90 rms=0.92  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	23.6	287	Pg	10:37:08.01	1.13
			Sg	37:10.90	0.74
PENC	72.3	172	Pg	10:37:16.42	0.85
			Sg	37:25.43	-0.20
PSZ	80.1	136	Sg	10:37:27.80	-0.32
LANS	83.2	17	Sg	10:37:28.88	-0.24
KECS	99.5	87	Pg	10:37:20.78	0.34
			Sg	37:33.90	-0.40
SMOL	127.0	274	Sg	10:37:41.18	-1.85
PKSG	128.7	206	Sg	10:37:42.00	-1.58
MODS	138.2	267	Sn	10:37:44.63	-1.23

1417.

2020-11-05 time: 10:42:45.74 UTC ML= 1.9  
 lat: 48.903N lon: 18.115E h= 0.0 km  
 erh= 3.0km erz= 2.1km  
 nr= 11 gap=193 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	69.9	131	Pg	10:42:58.23	0.01
			Sg	43:07.90	-0.06
LANS	102.7	74	Pg	10:43:04.56	0.48
			Sg	43:16.11	-2.27
MORC	105.7	337	Pg	10:43:04.94	0.32
			Sg	43:19.31	-0.04
KRLC	162.3	323	Pn	10:43:12.10	-0.91
			Sn	43:34.69	0.41
NIE	170.3	70	Sn	10:43:36.40	0.35
KECS	180.7	105	Sn	10:43:38.28	-0.08
OJC	190.5	40	Sn	10:43:40.21	-0.32

1418.

2020-11-05 time: 10:49:43.05 UTC ML= 0.7  
 lat: 47.220N lon: 18.255E h= 0.0 km  
 erh= 1.5km erz= 183km  
 nr= 5 gap=257 rms=0.09  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.0	1	Pg	10:49:46.03	0.13
			Sg	49:48.11	-0.01
PKST	17.3	285	Sg	10:49:48.42	-0.12

PKSG 21.7 28 Pg 10:49:46.88 -0.05  
 Sg 49:49.93 -0.02

1419.

2020-11-05 time: 11:37:43.72 UTC ML= 0.9  
 lat: 47.631N lon: 16.646E h= 0.0 km  
 erh= 3.0km erz= 389km  
 nr= 6 gap=256 rms=0.23  
 Locality: Kópháza  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	8.8	311	Pg	11:37:45.25	-0.03
			Sg	37:46.22	-0.28
RONA	27.3	286	Pg	11:37:48.63	0.03
			Sg	37:52.23	-0.18
CONA	67.4	299	Sg	11:38:05.84	0.69
MODS	95.1	30	Sg	11:38:14.00	0.07

1420.

2020-11-05 time: 12:19:32.40 UTC ML= 1.6  
 lat: 46.709N lon: 22.955E h= 0.0 km  
 erh= 4.1km erz= 4.6km  
 nr= 6 gap=249 rms=0.41  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	20.8	296	Pg	12:19:35.82	-0.29
			Sg	19:39.66	0.65
SIRR	110.9	244	Sg	12:20:07.14	-0.51
GZR	146.9	185	Pn	12:19:58.04	0.29
			Sn	20:17.18	-0.34
BZS	159.5	220	Sn	12:20:20.72	0.41

1421.

2020-11-06 time: 8:41:15.44 UTC ML= 1.1  
 lat: 46.149N lon: 18.046E h= 0.0 km  
 erh= 2.2km erz= 291km  
 nr= 8 gap=290 rms=0.21  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	7.9	148	PgU	8:41:16.82	-0.04
			Sg	41:18.26	0.30
PKSV	33.1	151	Pg	8:41:21.21	-0.14
			Sg	41:24.69	-1.26
PKSM	46.5	81	Pg	8:41:23.78	0.04
			Sg	41:30.06	-0.15
MORH	46.8	81	Pg	8:41:24.00	0.21
			Sg	41:30.21	-0.09

1422.

2020-11-06 time: 10:08:57.39 UTC ML= 1.2  
 lat: 48.562N lon: 20.791E h= 0.0 km  
 erh= 1.6km erz= 1.4km  
 nr= 6 gap=225 rms=0.14  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.2	249	Pg	10:09:01.83	0.11
			Sg	09:05.28	0.19
ABAH	44.5	132	Pg	10:09:05.22	-0.11
			Sg	09:11.62	0.10
PSZ	97.8	223	Sg	10:09:28.25	-0.23
VYHS	144.6	267	Sn	10:09:41.92	-0.09

## Hypocenter Parameters

## Földrengés paraméterek

1423.

2020-11-06 time: 10:16:08.87 UTC ML= 2.0  
 lat: 46.874N lon: 22.295E h= 0.0 km  
 erh= 7.2km erz= 3.7km  
 nr= 7 gap=250 rms=0.78  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	33.0	106	Pg	10:16:14.30	-0.46
			Sg	16:18.95	-0.41
SIRR	83.2	216	Sg	10:16:34.26	-1.06
BZS	149.3	201	Pn	10:16:34.49	-0.02
			Sn	16:54.52	0.00
GZR	168.8	167	Pn	10:16:38.20	1.26
			Sn	17:00.42	1.58

1424.

2020-11-06 time: 10:31:56.11 UTC ML= 1.2  
 lat: 47.589N lon: 18.445E h= 0.0 km  
 erh= 2.0km erz= 4.0km  
 nr= 11 gap= 95 rms=0.56  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	22.3	191	Pg	10:32:00.79	0.70
			Sg	32:03.43	0.24
SRO	26.8	338	Sg	10:32:05.92	1.27
CSKK	28.7	209	Pg	10:32:00.98	-0.26
			Sg	32:05.44	0.21
BUD	45.1	105	Sg	10:32:10.02	-0.44
PKST	48.0	220	Pg	10:32:04.84	0.15
			Sg	32:10.87	-0.50
VYHS	104.8	16	Sg	10:32:28.82	-0.61
MODS	123.3	315	Sg	10:32:34.22	-1.10
MORH	153.4	174	Sn	10:32:42.38	-0.30

1425.

2020-11-06 time: 10:46:25.16 UTC ML= 1.4  
 lat: 47.333N lon: 18.425E h= 0.0 km  
 erh= 2.2km erz= 432km  
 nr= 6 gap=194 rms=0.25  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.0	339	Pg	10:46:26.46	0.05
			Sg	46:27.04	-0.35
CSKK	12.9	285	Pg	10:46:27.79	0.34
			Sg	46:28.87	-0.37
MORH	125.3	172	Sg	10:47:05.05	0.06
PKSM	125.7	172	Sg	10:47:05.00	-0.12

1426.

2020-11-06 time: 11:00:40.56 UTC ML= 1.9  
 lat: 48.108N lon: 16.919E h= 0.0 km  
 erh= 3.5km erz= 445km  
 nr= 8 gap=171 rms=0.36  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.8	54	Pg	11:00:43.82	0.26
			Sg	00:46.08	0.18
MODS	39.7	42	Pg	11:00:47.65	-0.01
			Sg	00:51.92	-1.27
RONA	65.1	226	Pg	11:00:52.48	0.30
			Sg	01:00.83	-0.42
CONA	81.4	256	Pg	11:00:55.18	0.08

Sg 01:05.85 -0.59

1427.

2020-11-06 time: 14:21:14.84 UTC ML= 1.6  
 lat: 48.979N lon: 20.736E h= 0.0 km  
 erh= 2.7km erz= 738km  
 nr= 7 gap=129 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SIRR	57.9	328	Sg	14:21:33.23	-0.01
KECS	58.1	199	Pg	14:21:25.72	0.50
			Sg	21:32.62	-0.69
ABAH	84.5	154	Pg	14:21:29.93	0.00
			Sg	21:42.04	0.35
KOLS	112.7	93	Pg	14:21:35.01	0.05
			Sg	21:48.94	-1.71

1428.

2020-11-06 time: 21:32:58.16 UTC ML= 1.7  
 lat: 45.892N lon: 22.854E h= 0.2 km  
 erh= 2.5km erz= 5.7km  
 nr= 15 gap= 83 rms=0.99  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DEV	4.0	103	PgU	21:32:58.44	-0.43
			Sg	32:58.79	-0.63
GZR	55.7	186	Sg	21:33:15.01	-0.85
SURR	58.7	255	Sg	21:33:16.00	-0.81
MARR	89.6	13	PgC	21:33:15.34	1.19
			Sg	33:26.60	-0.02
DRGR	100.6	354	Pg	21:33:15.64	-0.49
			Sg	33:30.66	0.51
BZS	101.0	252	Pg	21:33:17.16	0.97
			Sg	33:28.08	-2.17
SIRR	101.4	294	Pg	21:33:17.58	1.32
			Sg	33:28.79	-1.58
CJR	107.9	32	Sg	21:33:31.41	-1.03
MDVR	152.4	216	PnD	21:33:25.34	1.17
			Sn	33:44.80	0.34

1429.

2020-11-06 time: 23:40:46.04 UTC ML= 1.7  
 lat: 45.901N lon: 22.812E h= 1.3 km  
 erh= 7.3km erz=72.6km  
 nr= 6 gap=145 rms=1.16  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
DEV	7.3	106	PgU	23:40:46.68	-0.69
			Sg	40:46.98	-1.43
SIRR	98.0	295	Sg	23:41:17.12	-0.08
BZS	98.3	251	Pg	23:41:05.38	1.79
			Sg	41:16.15	-1.13
DRGR	99.3	355	Sg	23:41:18.25	0.65

1430.

2020-11-09 time: 9:16:00.28 UTC ML= 1.8  
 lat: 46.028N lon: 22.790E h= 0.0 km  
 erh= 1.9km erz= 524km  
 nr= 8 gap=156 rms=0.38  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.4	151	PgU	9:16:03.73	0.17

## Földrengés paraméterek

## Hypocenter Parameters

		Sg	16:05.70	-0.42
GZR	70.6 181	Pg	9:16:12.98	0.09
		Sg	16:22.09	-0.63
DRGR	85.1 356	Pg	9:16:15.74	0.27
		Sg	16:26.61	-0.71
BZS	102.0 243	Pg	9:16:18.94	0.44
		Sg	16:32.39	-0.32

1431.

2020-11-09 time: 10:05:02.69 UTC ML= 1.3  
 lat: 48.939N lon: 19.773E h= 0.0 km  
 erh= 3.5km erz= 8.5km  
 nr= 10 gap= 87 rms=0.94  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	32.4	316	Pg	10:05:08.69	0.22
			Sg	05:10.35	-2.63
NIE	66.3	36	Pg	10:05:14.94	0.41
			Sg	05:23.83	0.06
KECS	73.0	134	Pg	10:05:16.55	0.83
			Sg	05:25.43	-0.46
VYHS	84.9	234	Pg	10:05:18.51	0.66
PSZ	113.9	175	Sg	10:05:37.74	-1.15
ABAH	129.7	123	Sg	10:05:41.75	-2.16
MORC	186.9	300	Sn	10:05:57.07	0.38

1432.

2020-11-09 time: 10:51:44.48 UTC ML= 1.7  
 lat: 46.052N lon: 22.827E h= 0.0 km  
 erh= 2.6km erz= 4.1km  
 nr= 8 gap=118 rms=0.52  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	19.7	163	Sg	10:51:50.78	0.05
GZR	73.4	183	Pg	10:51:57.71	0.14
			Sg	52:07.65	-0.14
DRGR	82.7	354	Pg	10:52:00.07	0.83
			Sg	52:10.36	-0.39
BZS	105.8	243	Sg	10:52:17.24	-0.87
VOIR	186.0	112	Pn	10:52:14.08	-0.62
			Sn	52:38.48	0.21

1433.

2020-11-09 time: 11:01:22.97 UTC ML= 1.9  
 lat: 48.133N lon: 16.905E h= 0.0 km  
 erh= 2.2km erz= 3.3km  
 nr= 11 gap=159 rms=0.48  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.3	65	Pg	11:01:26.10	0.22
			Sg	01:28.36	0.21
MODS	38.5	46	Pg	11:01:29.74	-0.10
			Sg	01:34.39	-0.81
RONA	66.3	223	Pg	11:01:34.83	0.02
			Sg	01:43.05	-0.99
CONA	81.1	254	Pg	11:01:38.02	0.57
			Sg	01:48.89	0.14
KRUC	109.9	340	Sg	11:01:57.54	-0.36
ARSA	142.8	227	Pn	11:01:48.46	0.65
			Sn	02:06.31	-0.88

1434.

2020-11-09 time: 14:17:49.30 UTC ML= 2.0  
 lat: 45.526N lon: 16.212E h= 0.0 km  
 erh= 8.1km erz= 6.8km  
 nr= 8 gap=164 rms=1.01  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PTJ	46.0	335	Pg	14:17:58.36	0.85
			Sg	18:04.03	0.11
CRE5	67.6	300	Pg	14:18:02.63	1.26
			Sg	18:10.08	-0.72
BLY	115.4	139	Sg	14:18:24.33	-1.63
GROS	117.6	332	Pg	14:18:10.54	0.25
			Sg	18:25.16	-1.51
SOKA	157.2	325	Sn	14:18:35.53	-1.17

1435.

2020-11-09 time: 15:50:00.47 UTC ML= 1.2  
 lat: 47.561N lon: 16.363E h= 0.0 km  
 erh= 3.4km erz= 4.4km  
 nr= 10 gap=194 rms=0.67  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	16.2	342	Pg	15:50:03.12	-0.25
			Sg	50:06.01	0.39
SOP	20.0	47	Pg	15:50:03.75	-0.30
			Sg	50:06.89	0.05
CONA	55.5	317	Sg	15:50:17.56	-0.56
ARSA	72.2	241	Sg	15:50:22.82	-0.59
MODS	113.3	37	Pg	15:50:22.07	1.37
			Sg	50:35.63	-0.85
MOA	160.6	282	Pn	15:50:28.18	0.65
			Sn	50:48.04	-0.60

1436.

2020-11-10 time: 8:32:58.86 UTC ML= 1.8  
 lat: 48.410N lon: 17.261E h= 0.0 km  
 erh= 1.6km erz= 636km  
 nr= 13 gap= 88 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	4.2	164	PgU	8:33:00.27	0.67
			Sg	33:01.61	1.43
SMOL	17.0	47	Pg	8:33:01.76	-0.12
			Sg	33:04.63	0.38
ZST	26.5	206	Pg	8:33:03.62	0.03
			Sg	33:07.36	0.08
KRUC	96.6	319	Pg	8:33:16.21	0.11
			Sg	33:29.39	-0.16
RONA	106.8	222	Pg	8:33:17.85	-0.08
			Sg	33:32.01	-0.80
VYHS	116.9	85	Sg	8:33:34.93	-1.07
CONA	117.1	243	Pg	8:33:19.71	-0.05
			Sg	33:34.07	-2.00

1437.

2020-11-10 time: 9:31:02.17 UTC ML= 1.3  
 lat: 48.529N lon: 18.319E h= 0.0 km  
 erh= 1.2km erz= 340km  
 nr= 8 gap=153 rms=0.25  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
VYHS	38.5	96	Pg	9:31:09.08	0.04
			Sg	31:14.47	0.07
MODS	78.9	257	Pg	9:31:16.41	0.14
			Sg	31:27.66	0.39
ZST	97.4	248	Sg	9:31:32.18	-0.96
PENC	109.0	139	Sg	9:31:36.60	-0.22
LANS	109.0	51	Pg	9:31:21.64	-0.01
			Sg	31:36.60	-0.24

1438.

2020-11-10 time: 9:32:03.79 UTC ML= 1.7  
 lat: 47.339N lon: 18.442E h= 0.0 km  
 erh= 1.5km erz= 2.3km  
 nr= 9 gap=114 rms=0.39  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.1	326	Pg	9:32:05.25	0.19
			Sg	32:05.72	-0.33
CSKK	14.0	281	Pg	9:32:06.43	0.13
			Sg	32:08.43	0.18
MORH	125.8	173	Sg	9:32:43.76	-0.01
PKSM	126.2	173	Sg	9:32:43.25	-0.65
PSZ	126.7	59	Sg	9:32:44.16	0.08
VYHS	131.8	13	Sn	9:32:44.46	-1.10
KOVH	141.4	191	Sn	9:32:48.38	0.67

1439.

2020-11-10 time: 9:38:36.16 UTC ML= 1.2  
 lat: 48.577N lon: 19.857E h= 0.0 km  
 erh= 3.5km erz= 846km  
 nr= 6 gap=127 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.6	103	Pg	9:38:44.74	0.09
			Sg	38:50.44	-0.84
LANS	69.9	336	Pg	9:38:48.64	0.00
PSZ	73.3	178	Pg	9:38:49.94	0.69
			Sg	38:58.34	-1.12
VYHS	76.0	263	Pg	9:38:49.79	0.06

1440.

2020-11-10 time: 9:44:44.69 UTC ML= 1.5  
 lat: 47.877N lon: 19.169E h= 0.0 km  
 erh= 2.3km erz= 487km  
 nr= 7 gap=201 rms=0.32  
 Locality: Nótincs  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	12.8	139	Pg	9:44:46.72	-0.27
			Sg	44:48.53	-0.24
PSZ	54.5	85	Pg	9:44:54.88	0.46
			Sg	45:02.13	0.13
VYHS	72.9	340	Sg	9:45:07.83	-0.03
KECS	118.9	55	Pg	9:45:06.08	0.16
			Sg	45:21.79	-0.68

1441.

2020-11-10 time: 9:57:23.44 UTC ML= 1.2  
 lat: 47.821N lon: 19.870E h= 0.0 km  
 erh= 1.9km erz= 751km  
 nr= 9 gap= 90 rms=0.57  
 Locality: Gyöngyösoroszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	11.0	10	Pg	9:57:25.73	0.32
			Sg	57:27.26	0.32
PENC	44.2	266	Sg	9:57:37.96	0.47
BSZH	65.2	153	Sg	9:57:43.43	-0.73
PBUD	75.6	238	Sg	9:57:48.00	0.53
KECS	86.7	32	Sg	9:57:50.71	-0.31
VYHS	107.3	314	Sg	9:57:55.83	-1.73
ABAH	115.0	63	Sg	9:58:00.20	0.22
PKSG	121.0	247	Sg	9:58:01.60	-0.31

1442.

2020-11-10 time: 10:09:06.81 UTC ML= 1.5  
 lat: 48.602N lon: 20.764E h= 0.0 km  
 erh= 1.8km erz= 2.6km  
 nr= 11 gap= 92 rms=0.56  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.4	237	Pg	10:09:11.48	0.32
			Sg	09:15.02	0.46
ABAH	49.0	134	Sg	10:09:22.48	0.11
NIE	96.6	340	Sg	10:09:37.61	0.08
PSZ	99.7	220	Pg	10:09:24.86	0.25
			Sg	09:37.59	-0.91
KOLS	116.9	72	Sg	10:09:43.84	-0.14
TRPA	141.6	112	Pn	10:09:31.67	0.17
			Sn	09:49.01	-1.75
VYHS	142.8	265	Pn	10:09:31.92	0.27
			Sn	09:49.26	-1.76

1443.

2020-11-10 time: 11:44:32.31 UTC ML= 1.7  
 lat: 46.887N lon: 17.424E h= 0.0 km  
 erh= 3.2km erz= 586km  
 nr= 8 gap=226 rms=0.42  
 Locality: Tapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	32.7	16	Pg	11:44:38.02	-0.13
			Sg	44:42.56	-0.15
PKST	62.2	48	Pg	11:44:43.52	0.11
			Sg	44:52.71	0.64
PKSG	92.4	53	Sg	11:45:01.19	-0.49
KOVH	102.8	150	Sg	11:45:05.97	0.97
MORH	119.7	129	Sg	11:45:09.79	-0.57
PKSM	119.8	129	Sg	11:45:10.23	-0.16

1444.

2020-11-10 time: 12:02:06.75 UTC ML= 1.9  
 lat: 45.927N lon: 22.675E h= 0.0 km  
 erh= 1.5km erz= 3.5km  
 nr= 12 gap= 75 rms=0.47  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.4	105	Pg	12:02:10.19	0.15
			Sg	02:11.80	-0.80
GZR	59.9	172	Pg	12:02:18.18	0.74
			Sg	02:25.34	-0.44
SIRR	87.1	296	Sg	12:02:34.16	-0.29
BZS	89.3	247	Pg	12:02:22.74	0.05
			Sg	02:34.20	-0.92
DRGR	96.1	2	Pg	12:02:24.16	0.24
			Sg	02:36.72	-0.59
CJR	112.7	39	Pg	12:02:27.14	0.27
VOIR	192.9	106	Pn	12:02:38.16	0.33
			Sn	03:01.35	-0.73



## Földrengés paraméterek

## Hypocenter Parameters

1445.

2020-11-10 time: 12:02:39.77 UTC ML= 1.6  
 lat: 45.952N lon: 22.573E h= 0.0 km  
 erh= 3.3km erz= 3.3km  
 nr= 6 gap=185 rms=0.59  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	26.8	107	Pg	12:02:45.17	0.62
			Sg	02:47.79	-0.49
GZR	64.1	166	Sg	12:03:00.43	0.28
DRGR	93.9	7	Sg	12:03:09.65	0.03
DJES	146.7	181	Sn	12:03:23.66	-1.18
VOIR	201.2	107	Sn	12:03:36.35	-0.61

1446.

2020-11-10 time: 20:17:54.98 UTC ML= 0.0  
 lat: 47.313N lon: 18.265E h= 2.9 km  
 erh= 4.6km erz= 9.4km  
 nr= 6 gap=204 rms=0.10  
 Locality: Fehérvárcsurgó  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	5.6	356	PgU	20:17:56.24	0.13
			Sg	17:56.85	-0.15
PKSG	12.9	47	Pg	20:17:57.40	0.05
			Sg	17:59.00	-0.20
PKST	18.5	251	Pg	20:17:58.28	-0.04
			Sg	18:00.97	0.05

1447.

2020-11-11 time: 9:28:29.74 UTC ML= 1.8  
 lat: 48.503N lon: 17.482E h= 0.0 km  
 erh= 2.0km erz= 2.2km  
 nr= 10 gap=272 rms=0.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.1	287	Pg	9:28:30.22	-0.26
			Sg	28:30.88	-0.17
MODS	20.9	226	Pg	9:28:33.84	0.37
			Sg	28:36.67	0.29
ZST	44.2	219	Sg	9:28:44.08	0.28
KRUC	101.2	308	Pg	9:28:47.90	0.09
			Sg	29:02.21	0.31
RONA	125.6	225	Sg	9:29:09.25	-0.42
CONA	136.3	242	Pn	9:28:53.49	-0.28
			Sn	29:11.26	-1.26

1448.

2020-11-11 time: 10:18:39.09 UTC ML= 0.6  
 lat: 47.201N lon: 18.262E h= 0.0 km  
 erh= 0.7km erz= 224km  
 nr= 8 gap=140 rms=0.16  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.1	360	Pg	10:18:42.26	-0.06
			Sg	18:44.73	-0.11
PKST	18.4	291	Pg	10:18:42.36	-0.02
			Sg	18:44.93	-0.01
PKSG	23.4	25	Pg	10:18:43.52	0.25
			Sg	18:46.34	-0.19
MORH	113.3	165	Sg	10:19:14.86	-0.25
PKSM	113.7	165	Sg	10:19:15.46	0.23

1449.

2020-11-11 time: 10:33:03.63 UTC ML= 1.1  
 lat: 48.520N lon: 21.451E h= 0.0 km  
 erh= 9.8km erz= \*\*\*km  
 nr= 5 gap=159 rms=0.84  
 Locality: Füzérkomlós  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	29.4	212	Pg	10:33:09.06	0.18
			Sg	33:13.45	0.48
KECS	71.5	267	Sg	10:33:25.89	-0.46
KOLS	76.0	53	Pg	10:33:16.27	-0.93
			Sg	33:29.62	1.84

1450.

2020-11-11 time: 11:21:09.64 UTC ML= 1.6  
 lat: 48.972N lon: 21.264E h= 0.0 km  
 erh= 3.5km erz= \*\*\*km  
 nr= 8 gap=109 rms=0.85  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	74.1	93	Pg	11:21:23.41	0.55
			Sg	21:33.08	-0.10
ABAH	75.2	181	Pg	11:21:23.77	0.71
			Sg	21:33.79	0.26
KECS	78.9	226	Sg	11:21:33.18	-1.54
NIE	85.3	306	Pg	11:21:24.68	-0.18
			Sg	21:37.25	0.51
KWP	128.1	55	Sg	11:21:47.89	-2.47

1451.

2020-11-12 time: 8:24:14.86 UTC ML= 1.0  
 lat: 47.624N lon: 18.450E h= 0.0 km  
 erh= 4.8km erz= 549km  
 nr= 7 gap=173 rms=0.42  
 Locality: Vértestolna  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	26.2	190	Pg	8:24:20.05	0.51
			Sg	24:22.97	-0.22
CSKK	32.3	206	Pg	8:24:21.15	0.52
			Sg	24:24.75	-0.39
PKST	51.3	218	Pg	8:24:23.75	-0.27
			Sg	24:30.71	-0.45
VYHS	100.9	17	Sg	8:24:46.53	-0.41

1452.

2020-11-12 time: 8:42:22.74 UTC ML= 1.0  
 lat: 46.146N lon: 18.027E h= 0.0 km  
 erh= 1.6km erz= 2.3km  
 nr= 10 gap=223 rms=0.28  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	8.6	139	Pg	8:42:24.28	0.01
			Sg	42:25.51	0.05
PKSV	33.5	149	Pg	8:42:28.71	-0.02
			Sg	42:32.84	-0.56
PKSM	48.0	81	Pg	8:42:31.83	0.51
			Sg	42:37.80	-0.21
MORH	48.3	81	Pg	8:42:31.53	0.16
			Sg	42:37.88	-0.22
PKB4	59.1	49	Sg	8:42:41.53	0.00
PKSG	141.3	11	Sn	8:43:06.11	-0.50

## Hypocenter Parameters

## Földrengés paraméterek

1453.

2020-11-12 time: 9:57:16.41 UTC ML= 1.4  
 lat: 46.220N lon: 18.276E h= 0.0 km  
 erh= 1.6km erz= 3.2km  
 nr= 10 gap=137 rms=0.42  
 Locality: Kisbattyán  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	19.9	223	Pg	9:57:19.93	-0.04
			Sg	57:22.85	0.10
PKSM	28.2	92	Pg	9:57:21.59	0.14
			Sg	57:24.81	-0.57
MORH	28.4	91	Pg	9:57:21.62	0.13
			Sg	57:25.35	-0.10
PKB4	39.8	39	Pg	9:57:23.91	0.39
PKS9	40.8	0	Sg	9:57:28.77	-0.62
PKB2	89.8	56	Sg	9:57:46.40	1.44
PKSG	130.6	4	Sn	9:57:57.09	-0.83

1454.

2020-11-12 time: 10:03:07.96 UTC ML= 1.0  
 lat: 48.577N lon: 19.347E h= 0.0 km  
 erh= 3.0km erz= 5.5km  
 nr= 7 gap=141 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	38.8	256	Pg	10:03:15.48	0.59
			Sg	03:19.69	-0.61
PSZ	83.8	151	Pg	10:03:23.31	0.39
			Sg	03:34.56	-0.03
PENC	87.6	183	Sg	10:03:34.96	-0.83
NIE	117.4	37	Sg	10:03:44.18	-1.09
ABAH	143.5	103	Sn	10:03:52.81	0.48

1455.

2020-11-12 time: 10:06:26.12 UTC ML= 2.0  
 lat: 48.216N lon: 21.264E h= 0.0 km  
 erh= 2.1km erz= 4.7km  
 nr= 9 gap=156 rms=0.59  
 Locality: Mád  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	9.1	349	PgU	10:06:28.07	0.32
			Sg	06:29.53	0.51
KECS	64.9	297	Pg	10:06:38.11	0.40
			Sg	06:46.65	-0.09
TRPA	95.4	96	Pg	10:06:43.14	-0.01
			Sg	06:56.29	-0.14
PSZ	107.3	252	Sg	10:07:00.06	-0.15
KOLS	109.2	43	Sg	10:06:58.80	-2.02
VYHS	182.5	280	Sn	10:07:17.48	-1.68

1456.

2020-11-12 time: 11:04:00.79 UTC ML= 1.4  
 lat: 47.579N lon: 18.416E h= 0.0 km  
 erh= 1.5km erz= 2.8km  
 nr= 17 gap= 81 rms=0.68  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	20.9	185	Pg	11:04:05.22	0.70
			Sg	04:07.58	0.15
CSKK	26.7	206	Pg	11:04:06.03	0.47
			Sg	04:09.92	0.64
PKST	45.8	219	Sg	11:04:15.02	-0.32

BUD	47.0	103	Sg	11:04:14.94	-0.77
MPLH	80.3	236	Sg	11:04:26.34	0.02
VYHS	106.4	17	Pg	11:04:19.81	0.02
			Sg	04:33.82	-0.80
PSZ	117.1	71	Pg	11:04:22.57	0.88
			Sg	04:38.25	0.25
PKB4	121.2	173	Sg	11:04:37.91	-1.40
MODS	122.6	316	Sg	11:04:38.96	-0.80
SMOL	127.4	325	Sg	11:04:40.77	-0.51
MORH	152.5	173	Sn	11:04:45.50	-1.66
PKSM	153.0	174	Sn	11:04:46.44	-0.81
KOVH	167.5	188	Sn	11:04:51.14	0.67

1457.

2020-11-12 time: 11:09:31.78 UTC ML= 0.6  
 lat: 47.475N lon: 18.682E h= 0.0 km  
 erh= 2.3km erz= 642km  
 nr= 7 gap=155 rms=0.44  
 Locality: Herceghalom  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	23.9	247	Pg	11:09:35.56	-0.48
			Sg	09:39.30	-0.07
PBUD	24.9	93	Sg	11:09:40.60	0.91
BUD	25.8	88	Sg	11:09:39.60	-0.36
CSKK	34.2	249	Sg	11:09:43.04	0.40
PSZ	103.5	62	Sg	11:10:04.95	0.28
VYHS	113.9	6	Sg	11:10:07.92	-0.05

1458.

2020-11-12 time: 11:22:56.71 UTC ML= 1.1  
 lat: 48.494N lon: 19.575E h= 0.0 km  
 erh= 2.5km erz= 940km  
 nr= 8 gap=110 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	54.6	270	Pg	11:23:06.68	0.22
			Sg	23:13.09	-0.98
KECS	67.3	91	Sg	11:23:18.45	0.35
PSZ	68.2	160	Pg	11:23:09.70	0.81
			Sg	23:17.77	-0.62
LANS	73.5	354	Sg	11:23:20.52	0.46
NIE	116.2	28	Sg	11:23:33.26	-0.39
ABAH	125.2	100	Sg	11:23:35.30	-1.20

1459.

2020-11-12 time: 11:26:01.96 UTC ML= 1.0  
 lat: 47.482N lon: 18.711E h= 0.0 km  
 erh= 3.5km erz= 5.1km  
 nr= 8 gap=121 rms=1.04  
 Locality: Herceghalom  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	26.2	247	Pg	11:26:07.05	0.41
			Sg	26:10.71	0.42
CSKK	36.5	249	Pg	11:26:09.11	0.63
			Sg	26:13.73	0.16
PKST	56.8	244	Sg	11:26:19.12	-0.91
PSZ	101.2	61	Sg	11:26:35.42	1.30
VYHS	112.9	5	Sg	11:26:35.82	-2.01
PKSM	141.4	182	Sn	11:26:43.56	-2.30

## Földrengés paraméterek

## Hypocenter Parameters

1460.

2020-11-12 time: 12:21:33.76 UTC ML= 1.4  
 lat: 47.860N lon: 16.053E h= 0.0 km  
 erh= 2.5km erz= 5.4km  
 nr= 11 gap= 87 rms=0.81  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.2	298	Pg	12:21:37.60	0.95
			Sg	21:39.21	0.31
RONA	25.5	134	Pg	12:21:39.11	0.79
			Sg	21:42.62	0.74
ARSA	78.7	210	Pg	12:21:47.38	-0.43
			Sg	21:57.38	-1.38
MODS	107.6	58	Sg	12:22:07.63	-0.32
SMOL	125.5	55	Pg	12:21:56.47	0.30
			Sg	22:12.54	-1.11
KRUC	136.0	11	Pn	12:21:57.38	-0.37
			Sn	22:14.15	-2.31

1461.

2020-11-13 time: 4:29:07.88 UTC ML= 1.4  
 lat: 45.691N lon: 17.771E h= 17.7 km  
 erh= 9.5km erz= 3.3km  
 nr= 11 gap=186 rms=0.92  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	43.4	60	Pg	4:29:17.73	1.48
			Sg	29:21.96	-0.82
KOVH	51.0	30	Pg	4:29:16.74	-0.78
			Sg	29:23.44	-1.60
PKSM	88.9	49	P*	4:29:23.52	0.03
			S*	29:35.23	-0.45
MORH	89.4	49	P*	4:29:23.95	0.39
			S*	29:35.23	-0.57
PKB4	110.3	36	Sn	4:29:43.17	2.32
BLY	114.4	204	Pn	4:29:27.15	0.24
			Sn	29:41.10	-0.66

1462.

2020-11-13 time: 8:42:01.82 UTC ML= 1.2  
 lat: 46.137N lon: 18.013E h= 0.0 km  
 erh= 2.9km erz= 419km  
 nr= 8 gap=294 rms=0.30  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	8.6	129	PgU	8:42:03.66	0.30
			Sg	42:04.98	0.42
PKSV	33.3	146	Pg	8:42:07.52	-0.24
			Sg	42:11.84	-0.55
PKSM	49.3	80	Pg	8:42:10.94	0.32
			Sg	42:17.35	-0.13
MORH	49.5	80	Pg	8:42:10.58	-0.09
			Sg	42:17.22	-0.35

1463.

2020-11-13 time: 9:42:09.03 UTC ML= 1.3  
 lat: 46.178N lon: 18.289E h= 0.0 km  
 erh= 0.6km erz= 111km  
 nr= 8 gap=206 rms=0.08  
 Locality: Zobákpuszta  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.7	236	Pg	9:42:12.20	0.01

			Sg	42:14.75	0.09
PKSM	27.4	82	Pg	9:42:13.97	0.04
			Sg	42:17.72	-0.03
MORH	27.7	81	Pg	9:42:13.87	-0.11
			Sg	42:18.02	0.18
PKSV	32.3	185	Pg	9:42:14.80	0.00
			Sg	42:19.20	-0.10

1464.

2020-11-13 time: 10:06:23.29 UTC ML= 2.1  
 lat: 48.412N lon: 17.277E h= 7.3 km  
 erh= 1.3km erz= 1.6km  
 nr= 5 gap=135 rms=0.10  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	4.3	180	PgU	10:06:24.63	-0.16
			Sg	06:26.10	0.13
SMOL	15.9	45	Pg	10:06:26.45	0.04
ZST	27.3	208	Pg	10:06:28.38	0.05
KRUC	97.1	318	Sg	10:06:54.25	0.01

1465.

2020-11-13 time: 10:50:46.86 UTC ML= 1.5  
 lat: 48.884N lon: 21.081E h= 0.0 km  
 erh= 2.2km erz= 3.1km  
 nr= 11 gap=130 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	62.5	225	Pg	10:50:58.03	0.00
			Sg	51:06.09	-0.65
ABAH	66.4	170	Pg	10:50:59.38	0.66
			Sg	51:07.04	-0.93
NIE	81.7	317	Pg	10:51:02.10	0.65
			Sg	51:11.73	-1.11
KOLS	87.5	86	Pg	10:51:02.68	0.19
			Sg	51:14.47	-0.22
PSZ	138.8	219	Pn	10:51:11.60	0.41
			Sn	51:28.83	-1.35
VYHS	170.9	255	Sn	10:51:37.24	-0.07

1466.

2020-11-13 time: 11:00:05.68 UTC ML= 1.8  
 lat: 48.138N lon: 16.897E h= 0.0 km  
 erh= 2.2km erz= 3.1km  
 nr= 12 gap=155 rms=0.49  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	16.6	67	Pg	11:00:08.86	0.22
			Sg	00:10.93	-0.03
MODS	38.5	47	Pg	11:00:12.44	-0.11
			Sg	00:17.13	-0.79
RONA	66.3	223	Pg	11:00:17.78	0.27
			Sg	00:25.99	-0.75
CONA	80.6	253	Pg	11:00:20.30	0.22
			Sg	00:30.82	-0.49
KRUC	109.2	340	Pg	11:00:25.59	0.42
			Sg	00:39.04	-1.33
ARSA	142.7	226	Pn	11:00:31.23	0.72
			Sn	00:49.36	-0.52

## Hypocenter Parameters

## Földrengés paraméterek

1467.

2020-11-13 time: 11:30:05.78 UTC ML= 0.9  
 lat: 47.622N lon: 16.630E h= 0.0 km  
 erh= 2.2km erz= 302km  
 nr= 6 gap=259 rms=0.18  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SOP	8.7	322	PgU	11:30:07.12			-0.22
			Sg		30:08.33		-0.22
RONA	26.5	289	Pg	11:30:10.57			0.05
			Sg		30:14.45		0.24
CONA	66.9	301	Sg	11:30:27.15			0.10
MODS	96.5	30	Sg	11:30:36.67			0.20

1468.

2020-11-15 time: 0:12:29.72 UTC ML= 0.8  
 lat: 45.790N lon: 21.953E h= 13.7 km  
 erh= 3.7km erz= 4.9km  
 nr= 6 gap=109 rms=0.53  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	32.5	234	Pg	0:12:36.35			0.33
			Sg		12:40.43		-0.51
SIRR	57.8	337	Pg	0:12:40.75			0.43
			Sg		12:47.36		-1.23
GZR	77.9	124	Sg	0:12:54.51			-0.36
DRGR	125.8	28	Sn	0:13:07.31			0.28

1469.

2020-11-15 time: 0:24:30.93 UTC ML= 0.7  
 lat: 45.790N lon: 21.920E h= 11.2 km  
 erh= 2.3km erz= 1.9km  
 nr= 11 gap=108 rms=0.66  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	16.5	104	PgC	0:24:35.11			0.63
			Sg		24:37.40		0.14
BZS	30.5	231	Pg	0:24:36.96			0.24
			Sg		24:41.12		-0.12
SIRR	56.8	339	Pg	0:24:41.22			-0.04
			Sg		24:48.15		-1.17
GZR	80.1	123	Sg	0:24:55.07			-1.57
HERR	108.3	159	Sn	0:25:04.10			-0.81
MDVR	113.2	188	PnD	0:24:51.74			1.10
			Sn		25:06.10		0.08
DRGR	127.0	29	Sn	0:25:09.15			0.09

1470.

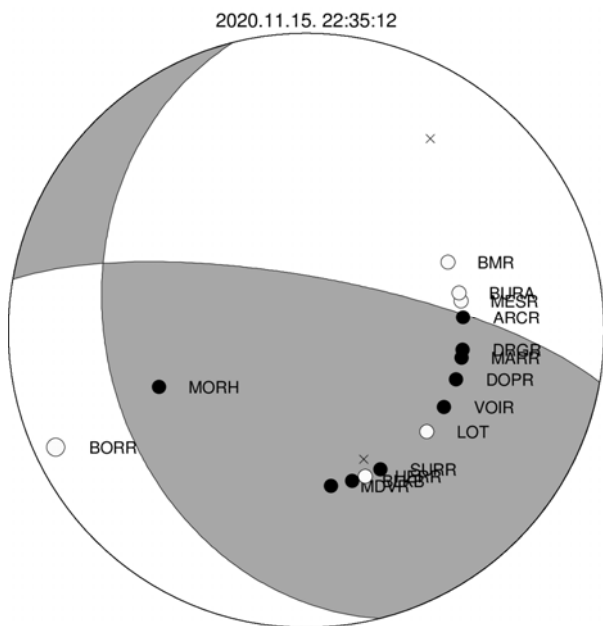
2020-11-15 time: 22:35:12.29 UTC ML= 2.2  
 lat: 46.912N lon: 21.218E h= 7.0 km  
 erh= 1.0km erz= 0.9km  
 nr= 58 gap= 40 rms=0.63  
 Locality: Vésztő  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BORR	47.5	65	PgD	22:35:21.12			0.25
			Sg		35:28.10		0.54
AMBH	73.0	211	Pg	22:35:25.59			0.21
			Sg		35:35.82		0.23
LTVH	73.8	45	Pg	22:35:25.46			-0.06
SIRR	79.3	155	Pg	22:35:26.55			0.05
			Sg		35:37.09		-0.50
BSZH	84.0	301	Pg	22:35:27.30			-0.05

PKSN	102.9	269	Sg	35:38.13			-0.96
			Pg	22:35:29.88			-0.83
			Sg	35:43.32			-1.75
DRGR	114.7	97	PnU	22:35:32.07			-0.66
			Sn	35:46.45			-2.22
PKS6	131.0	255	Pn	22:35:34.89			0.13
			Sn	35:51.93			-0.35
MESR	134.3	79	PnD	22:35:35.37			0.21
			Sn	35:52.40			-0.61
SURR	146.5	152	PnC	22:35:36.56			-0.13
			Sn	35:54.70			-1.02
BZS	147.3	168	Pn	22:35:36.04			-0.75
			Sn	35:55.52			-0.38
MARR	147.5	100	PnC	22:35:37.47			0.65
			Sn	35:55.20			-0.75
PSZ	149.9	318	Pn	22:35:36.55			-0.57
			Sn	35:53.73			-2.75*
PKB2	153.2	260	Pn	22:35:38.19			0.67
			Sn	35:57.19			-0.01
ABAH	153.8	1	Pn	22:35:37.14			-0.47
			Sn	35:55.59			-1.76
PKS2	160.3	253	Pn	22:35:39.27			0.86
			Sn	35:59.73			0.95
PKB3	164.0	251	Pn	22:35:39.17			0.29
			Sn	35:59.83			0.21
TRPA	168.1	36	Pn	22:35:39.91			0.53
			Sn	36:00.25			-0.26
DEV	172.9	131	Pn	22:35:40.37			0.39
			Sn	36:01.92			0.34
CJR	183.0	97	Sn	22:36:04.76			0.93
KECS	183.1	343	ePn	22:35:42.20			0.95
			eSn	36:03.60			-0.24
BMR	192.0	64	PnD	22:35:43.26			0.89
			Sn	36:05.90			0.07
GZR	207.4	144	Pn	22:35:44.67			0.38
			Sn	36:09.08			-0.16
MORH	212.0	249	PnC	22:35:45.85			1.00
			Sn	36:10.50			0.25
PKSG	220.9	284	Pn	22:35:46.54			0.57
			Sn	36:12.61			0.37
KOLS	238.1	19	ePn	22:35:49.20			1.08
			eSn	36:18.00			1.94
ARCR	239.3	85	PnC	22:35:48.98			0.72
			Sn	36:16.20			-0.12
MDVR	240.0	171	PnC	22:35:48.18			-0.16
HERR	244.2	158	PnD	22:35:49.24			0.37
VYHS	250.7	315	ePn	22:35:50.50			0.81
			eSn	36:20.60			1.74
LOT	255.6	130	PnD	22:35:50.79			0.50
			Sn	36:19.60			-0.34
BURA	312.6	76	PnD	22:35:58.29			0.89*
DOPR	337.3	108	PnC	22:36:00.92			0.43*
			Sn	36:37.80			-0.28*
VOIR	338.3	119	PnC	22:36:00.62			0.01*
			Sn	36:37.70			-0.60*
BLKB	383.1	163	PnC	22:36:05.96			-0.23*

### Földrengés paraméterek

### Hypocenter Parameters



1471.

2020-11-16 time: 8:36:19.58 UTC ML= 1.1  
 lat: 45.868N lon: 18.397E h= 0.0 km  
 erh= 1.7km erz= 257km  
 nr= 8 gap=255 rms=0.18  
 Locality: Kisharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	11.4	281	Pg	8:36:21.73	0.11
			Sg	36:22.95	-0.27
KOVH	33.6	317	Pg	8:36:25.68	0.10
			Sg	36:30.20	-0.06
PKSM	42.7	26	Pg	8:36:27.39	0.19
			Sg	36:33.31	0.17
MORH	43.2	26	Pg	8:36:26.98	-0.31
			Sg	36:33.21	-0.09

1472.

2020-11-16 time: 8:49:08.14 UTC ML= 1.3  
 lat: 48.064N lon: 20.702E h= 0.0 km  
 erh= 2.3km erz= 481km  
 nr= 6 gap=198 rms=0.28  
 Locality: Miskolctapolca  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	47.6	57	Pg	8:49:16.60	-0.04
			Sg	49:23.01	-0.26
KECS	49.3	341	Pg	8:49:17.00	0.05
			Sg	49:23.82	0.00
PSZ	62.4	255	Pg	8:49:19.65	0.36
			Sg	49:27.23	-0.75

1473.

2020-11-16 time: 8:58:26.10 UTC ML= 1.5  
 lat: 47.335N lon: 18.423E h= 0.0 km  
 erh= 1.4km erz= 3.0km  
 nr= 12 gap=113 rms=0.45  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.8	339	Pg	8:58:27.56	0.25

			Sg	58:28.09	-0.17
CSKK	12.7	284	Pg	8:58:28.79	0.43
			Sg	58:30.56	0.43
PKST	30.6	254	Pg	8:58:31.43	-0.13
			Sg	58:34.55	-1.27
MORH	125.6	172	Sg	8:59:05.93	-0.08
PKSM	126.0	172	Sg	8:59:06.43	0.29
PSZ	128.2	60	Pg	8:58:48.76	-0.24
			Sg	59:07.04	0.17
VYHS	132.5	13	Sn	8:59:05.33	-2.71*
KOVH	140.8	190	Sn	8:59:09.95	0.08

1474.

2020-11-16 time: 9:08:45.87 UTC ML= 1.4  
 lat: 47.208N lon: 18.281E h= 0.0 km  
 erh= 2.1km erz= 2.1km  
 nr= 11 gap=169 rms=0.34  
 Locality: Iszkaszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.3	355	Pg	9:08:49.10	0.14
			Sg	08:51.06	-0.31
PKSG	22.0	22	Pg	9:08:50.01	0.20
			Sg	08:52.92	0.04
MORH	113.8	166	Pg	9:09:06.02	-0.17
			Sg	09:21.89	-0.15
PKSM	114.2	166	Pg	9:09:06.83	0.57
			Sg	09:22.09	-0.07
KOVH	125.3	186	Sg	9:09:25.51	-0.18
PSZ	144.8	57	Sn	9:09:29.82	-0.72
VYHS	148.9	16	Sn	9:09:30.02	-1.42

1475.

2020-11-16 time: 9:26:45.43 UTC ML= 1.3  
 lat: 48.357N lon: 19.015E h= 0.0 km  
 erh= 0.8km erz= 1.6km  
 nr= 10 gap=144 rms=0.25  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	20.2	319	Pg	9:26:49.20	0.16
			Sg	26:51.71	-0.14
PSZ	81.6	127	Pg	9:27:00.12	0.12
			Sg	27:11.19	-0.18
LANS	94.3	21	Pg	9:27:02.37	0.10
			Sg	27:15.53	0.12
KECS	109.7	83	Pg	9:27:05.16	0.14
			Sg	27:18.22	-2.09*
MODS	128.8	271	Sg	9:27:26.03	-0.34
NIE	151.7	39	Sn	9:27:31.07	-0.54

1476.

2020-11-16 time: 9:40:52.70 UTC ML= 1.6  
 lat: 47.839N lon: 19.072E h= 0.0 km  
 erh= ---km erz= ---km  
 nr= 4 gap=238 rms=0.32  
 Locality: Verőce  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.6	109	Pg	9:40:55.79	0.12
			Sg	40:57.46	-0.53
PSZ	62.2	82	Sg	9:41:12.91	0.44
VYHS	74.9	346	Sg	9:41:16.36	-0.16

## Hypocenter Parameters

## Földrengés paraméterek

1477.

2020-11-16 time: 11:00:52.00 UTC ML= 1.5  
 lat: 48.097N lon: 16.979E h= 0.0 km  
 erh= 2.6km erz= 3.2km  
 nr= 10 gap=138 rms=0.66  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	14.3	40	Pg	11:00:55.48	0.93
			Sg	00:57.28	0.74
MODS	37.9	36	Pg	11:00:58.69	-0.07
			Sg	01:03.51	-0.52
SMOL	57.0	36	Sg	11:01:09.36	-0.77
RONA	67.6	229	Sg	11:01:14.08	0.60
CONA	85.5	257	Sg	11:01:19.00	-0.18
PKST	122.3	140	Sg	11:01:29.85	-1.04
ARSA	144.3	229	Sn	11:01:36.58	0.03
VYHS	144.7	72	Sn	11:01:35.77	-0.86

1478.

2020-11-16 time: 11:59:36.32 UTC ML= 1.2  
 lat: 47.856N lon: 18.840E h= 0.0 km  
 erh= 2.7km erz= 817km  
 nr= 6 gap=137 rms=0.49  
 Locality: Ipolydamásd  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	33.8	102	Pg	11:59:43.07	0.71
			Sg	59:46.93	-0.15
PKSG	61.7	213	Sg	11:59:55.64	-0.29
VYHS	70.9	360	Sg	11:59:58.44	-0.43
PSZ	79.1	85	Sg	11:60:00.83	-0.65
PKST	89.9	222	Sg	11:60:05.05	0.15

1479.

2020-11-16 time: 12:33:37.07 UTC ML= 1.2  
 lat: 45.709N lon: 18.080E h= 17.4 km  
 erh= 1.8km erz= 0.6km  
 nr= 8 gap=324 rms=0.12  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	24.0	34	Pg	12:33:42.23	-0.13
			Sg	33:46.68	0.19
KOVH	42.2	2	Pg	12:33:45.15	-0.06
			Sg	33:51.63	0.06
PKSM	70.8	38	P*	12:33:50.15	0.20
			S*	33:59.86	-0.14
MORH	71.3	38	P*	12:33:50.02	0.00
			S*	34:00.06	-0.07

1480.

2020-11-16 time: 18:31:11.35 UTC ML= 1.7  
 lat: 46.907N lon: 21.195E h= 14.0 km  
 erh= 2.5km erz= 2.1km  
 nr= 13 gap= 64 rms=0.70  
 Locality: BÉlmegyer  
 Comments:

sta	dist	azm	phase	hr mn sec	res
AMBH	71.6	210	Pg	18:31:24.74	0.37
			Sg	31:33.59	-0.94
LTVH	75.4	45	Pg	18:31:25.78	0.74
			Sg	31:35.09	-0.63
SIRR	79.5	153	Pg	18:31:25.93	0.17
			Sg	31:35.64	-1.36
DRGR	116.3	96	Sn	18:31:45.50	-1.01

PKS6	129.2	255	Sn	18:31:49.98	0.61
BZS	147.0	167	Pn	18:31:35.95	1.02
			Sn	31:53.13	-0.20
PSZ	149.3	319	Pn	18:31:35.01	-0.20
			Sn	31:52.83	-1.00
ABAH	154.5	1	Sn	18:31:55.17	0.19

1481.

2020-11-17 time: 8:40:53.97 UTC ML= 1.2  
 lat: 47.969N lon: 20.383E h= 0.0 km  
 erh= 3.4km erz= 624km  
 nr= 6 gap=201 rms=0.37  
 Locality: Felsőtárkány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	36.9	261	Pg	8:41:00.53	-0.03
			Sg	41:05.25	-0.45
KECS	57.7	8	Pg	8:41:04.49	0.22
			Sg	41:12.10	-0.20
ABAH	73.4	60	Pg	8:41:07.52	0.44
			Sg	41:16.52	-0.78

1482.

2020-11-17 time: 9:03:47.73 UTC ML= 1.5  
 lat: 47.358N lon: 16.012E h= 0.0 km  
 erh= 4.2km erz= \*\*\*km  
 nr= 8 gap=124 rms=0.76  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ARSA	38.8	252	Pg	9:03:55.12	0.45
			Sg	03:59.44	-0.64
RONA	43.6	29	Pg	9:03:56.48	0.96
			Sg	04:01.26	-0.34
CONA	64.4	350	Pg	9:03:59.34	0.11
			Sg	04:07.22	-0.98
SOKA	106.1	225	Sg	9:04:21.47	0.01
MPLH	117.5	100	Sg	9:04:22.81	-2.27

1483.

2020-11-17 time: 10:49:53.54 UTC ML= 1.5  
 lat: 47.341N lon: 18.457E h= 0.0 km  
 erh= 1.3km erz= 3.1km  
 nr= 8 gap=114 rms=0.39  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.6	319	Pg	10:49:55.22	0.33
			Sg	49:55.50	-0.45
CSKK	15.1	280	Pg	10:49:56.55	0.32
			Sg	49:58.03	-0.29
PSZ	125.7	59	Sg	10:50:33.61	0.12
MORH	125.9	173	Sg	10:50:33.71	0.16
PKSM	126.3	174	Sg	10:50:33.35	-0.33
VYHS	131.3	12	Sn	10:50:34.11	-1.10

1484.

2020-11-17 time: 10:54:21.93 UTC ML= 1.4  
 lat: 46.785N lon: 17.288E h= 0.0 km  
 erh= 2.4km erz= 4.3km  
 nr= 10 gap=104 rms=0.82  
 Locality: Keszthely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	46.9	24	Pg	10:54:31.07	0.77
			Sg	54:36.05	-0.77

## Földrengés paraméterek

## Hypocenter Parameters

KOGS 87.9 245 Sg 10:54:50.25 0.39  
 KOVH 99.5 141 Sg 10:54:54.42 0.86  
 PKSG 107.5 51 Pg 10:54:42.02 0.89  
 Sg 54:55.27 -0.83  
 MORH 121.9 121 Sg 10:54:59.94 -0.73  
 PKSM 121.9 122 Sg 10:54:59.89 -0.79  
 GROS 141.5 255 Sn 10:55:04.82 -1.03  
 ARSA 143.8 291 Sn 10:55:05.31 -1.05

1485.

2020-11-17 time: 11:00:09.35 UTC ML= 1.7  
 lat: 48.132N lon: 16.927E h= 0.0 km  
 erh= 1.8km erz= 688km  
 nr= 14 gap= 85 rms=0.58  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
ZST	14.9	61	Pg	11:00:12.56			0.55
			Sg	00:14.64			0.56
MODS	37.4	44	Pg	11:00:16.20			0.17
			Sg	00:20.89			-0.36
SMOL	56.5	41	Pg	11:00:19.62			0.19
			Sg	00:26.62			-0.68
SOP	56.9	209	Sg	11:00:28.21			0.76
A337	65.4	79	Sg	11:00:29.50			-0.62
RONA	67.3	224	Pg	11:00:21.81			0.45
			Sg	00:29.99			-0.75
CONA	82.6	254	Sg	11:00:35.09			-0.52
EGYH	85.0	159	Sg	11:00:34.64			-1.73
KRUC	110.6	339	Pg	11:00:29.39			0.29
			Sg	00:43.48			-1.04

1486.

2020-11-17 time: 13:02:56.42 UTC ML= 1.5  
 lat: 47.855N lon: 16.036E h= 0.0 km  
 erh= 1.5km erz= 3.6km  
 nr= 9 gap= 92 rms=0.36  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.4	302	Pg	13:02:59.33			0.17
			Sg	03:01.42			0.12
RONA	26.1	131	Pg	13:03:01.27			0.20
			Sg	03:04.78			0.08
ARSA	77.5	210	Sg	13:03:20.61			-0.44
MODS	109.0	58	Pg	13:03:15.32			-0.55
			Sg	03:31.45			0.40
KRUC	136.8	11	Pn	13:03:20.71			0.20
			Sn	03:36.59			-2.71*

1487.

2020-11-18 time: 7:17:08.65 UTC ML= 1.2  
 lat: 47.971N lon: 16.087E h= 0.0 km  
 erh= 2.0km erz= 301km  
 nr= 5 gap=258 rms=0.15  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	17.5	254	Pg	7:17:11.78			0.01
			Sg	17:13.96			-0.24
RONA	34.0	153	Pg	7:17:14.88			0.16
			Sg	17:19.26			-0.20
ARSA	90.6	208	Sg	7:17:37.53			0.08

1488.

2020-11-18 time: 7:21:58.96 UTC ML= 1.3  
 lat: 47.313N lon: 17.678E h= 0.0 km  
 erh= 1.9km erz= 2.4km  
 nr= 9 gap=147 rms=0.46  
 Locality: Bakonykoppány  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	19.0	213	Pg	7:22:01.90			-0.45
			Sg	22:05.93			0.93
EGYH	28.6	294	Sg	7:22:08.33			0.29
CSKK	44.4	83	Sg	7:22:13.30			0.23
PKSG	54.6	81	Sg	7:22:16.51			0.21
RONA	112.6	292	Sg	7:22:34.52			-0.23
KOVH	139.9	167	Sn	7:22:42.87			0.34
MORH	142.6	149	Sn	7:22:42.99			-0.13
PKSM	142.8	149	Sn	7:22:42.38			-0.80

1489.

2020-11-18 time: 9:12:32.29 UTC ML= 1.8  
 lat: 46.747N lon: 22.988E h= 0.0 km  
 erh= 8.3km erz=12.8km  
 nr= 5 gap=263 rms=0.62  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DRGR	21.7	283	Pg	9:12:36.05			-0.13
			Sg	12:38.95			-0.26
SIRR	115.1	242	Pg	9:12:53.92			1.08
			Sg	13:08.48			-0.39
GZR	151.4	186	Pn	9:12:57.57			-0.63

1490.

2020-11-18 time: 10:08:08.64 UTC ML= 1.2  
 lat: 48.978N lon: 20.229E h= 0.0 km  
 erh= 2.1km erz= 3.7km  
 nr= 6 gap= 97 rms=0.35  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
NIE	49.4	7	Pg	10:08:17.79			0.32
			Sg	08:23.76			-0.60
KECS	58.2	161	Sg	10:08:26.66			-0.47
LANS	58.8	289	Sg	10:08:27.47			0.13
PSZ	120.4	192	Sg	10:08:47.06			0.15
KOLS	149.8	92	Sn	10:08:54.53			0.11

1491.

2020-11-18 time: 10:10:17.67 UTC ML= 0.5  
 lat: 47.199N lon: 18.249E h= 0.0 km  
 erh= 2.1km erz= 2.5km  
 nr= 7 gap=177 rms=0.36  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.3	3	Sg	10:10:23.60			0.11
PKSG	24.0	27	Pg	10:10:22.30			0.35
			Sg	10:25.23			-0.07
MORH	113.4	165	Sg	10:10:53.73			0.03
PKSM	113.7	165	Sg	10:10:53.63			-0.19
KOVH	124.0	185	Sg	10:10:56.83			-0.24
VYHS	150.6	17	Sn	10:11:02.02			-1.59

## Hypocenter Parameters

## Földrengés paraméterek

1492.

2020-11-18 time: 10:31:47.35 UTC ML= 1.5  
 lat: 48.594N lon: 17.458E h= 0.0 km  
 erh= 2.6km erz= 1.4km  
 nr= 7 gap=218 rms=0.41  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	27.9	209	Pg	10:31:52.62	0.29
			Sg	31:56.29	0.07
ZST	51.5	211	Pg	10:31:56.99	0.45
			Sg	32:03.22	-0.49
VYHS	102.3	96	Sg	10:32:19.59	-0.28
RONA	131.8	221	Sn	10:32:28.27	-0.85
CONA	139.8	238	Sn	10:32:30.63	-0.26
ZAVS	302.1	217	iPnD	10:31:41.18	-50.87*

1493.

2020-11-18 time: 10:33:26.16 UTC ML= 1.2  
 lat: 48.508N lon: 19.545E h= 0.0 km  
 erh= 3.8km erz= \*\*\*km  
 nr= 7 gap=110 rms=0.79  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	52.4	268	Pg	10:33:35.98	0.46
			Sg	33:42.46	-0.36
KECS	69.6	92	Pg	10:33:38.99	0.40
			Sg	33:47.58	-0.70
PSZ	70.5	158	Pg	10:33:39.65	0.89
			Sg	33:47.18	-1.40
LANS	71.7	355	Sg	10:33:47.68	-1.27

1494.

2020-11-18 time: 10:33:50.74 UTC ML= 1.1  
 lat: 48.460N lon: 19.558E h= 0.0 km  
 erh= 2.5km erz= 504km  
 nr= 5 gap=174 rms=0.23  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	53.5	274	Pg	10:34:00.59	0.29
			Sg	34:07.37	-0.38
PSZ	65.2	157	Pg	10:34:02.25	-0.13
			Sg	34:11.58	0.12
KECS	68.6	88	Sg	10:34:12.49	-0.07

1495.

2020-11-18 time: 10:35:47.59 UTC ML= 0.9  
 lat: 47.748N lon: 18.711E h= 0.0 km  
 erh= 3.6km erz= 598km  
 nr= 6 gap=220 rms=0.35  
 Locality: Dorog  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	37.6	141	Sg	10:35:59.36	-0.19
PENC	43.1	84	Sg	10:36:01.20	-0.08
PKSG	46.3	211	Pg	10:35:56.03	0.17
			Sg	36:02.36	0.06
CSKK	54.5	218	Sg	10:36:05.42	0.50
PKST	74.5	223	Sg	10:36:10.44	-0.82

1496.

2020-11-18 time: 11:00:40.37 UTC ML= 2.0  
 lat: 46.814N lon: 17.354E h= 0.0 km  
 erh= 3.4km erz= 600km  
 nr= 11 gap=234 rms=0.49  
 Locality: Nemesvita  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	42.0	20	Pg	11:00:47.53	-0.34
			Sg	00:53.33	-0.39
EGYH	67.1	359	Sg	11:01:01.47	-0.22
PKST	71.5	46	Pg	11:00:52.93	-0.22
			Sg	01:03.52	0.41
CSKK	92.0	48	Pg	11:00:57.07	0.27
PKSG	101.6	51	Sg	01:08.29	-1.32
			Pg	11:00:59.13	0.62
MORH	119.3	124	Sg	01:13.58	0.93
			Pg	11:01:18.01	-0.27
PKSM	119.3	124	Sg	11:01:18.06	-0.24

1497.

2020-11-18 time: 11:17:56.31 UTC ML= 1.5  
 lat: 48.564N lon: 20.725E h= 0.0 km  
 erh= 3.2km erz= 6.5km  
 nr= 11 gap= 93 rms=0.98  
 Locality: Komjáti  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	19.8	243	Pg	11:17:59.88	0.03
			Sg	18:02.78	0.17
ABAH	48.4	128	Pg	11:18:04.98	0.03
			Sg	18:11.52	-0.18
PSZ	94.7	221	Pg	11:18:13.97	0.76
			Sg	18:27.00	0.60
NIE	99.7	342	Pg	11:18:16.11	2.01
LANS	112.9	305	Pg	11:18:15.67	-0.80
			Sg	18:30.68	-1.52
KOLS	121.0	70	Sg	11:18:33.68	-1.10
VYHS	139.7	267	Sn	11:18:38.25	-1.58

1498.

2020-11-18 time: 12:10:50.45 UTC ML= 1.1  
 lat: 47.916N lon: 20.136E h= 0.0 km  
 erh= 8.4km erz= \*\*\*km  
 nr= 5 gap=208 rms=0.66  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	18.1	271	Pg	12:10:53.68	0.00
			Sg	10:56.86	0.67
KECS	68.2	22	Sg	12:11:12.89	0.76
ABAH	92.4	63	Sg	12:11:19.42	-0.40
VYHS	116.0	304	Sg	12:11:26.02	-1.31

1499.

2020-11-18 time: 13:31:37.56 UTC ML= 1.2  
 lat: 47.672N lon: 16.022E h= 0.0 km  
 erh= 3.2km erz= 874km  
 nr= 6 gap=137 rms=0.51  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	20.8	82	PgU	13:31:41.42	0.14
			Sg	31:43.91	-0.27
CONA	30.9	337	Pg	13:31:43.20	0.12
			Sg	31:46.86	-0.53



## Földrengés paraméterek

ARSA 60.1 219 Pg 13:31:48.85 0.56  
Sg 31:55.21 -1.46

1500.

2020-11-18 time: 14:15:55.91 UTC ML= 1.3  
lat: 45.523N lon: 18.443E h= 13.4 km  
erh= 4.1km erz= 5.4km  
nr= 9 gap=225 rms=0.45  
Locality: Croatia  
Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	43.3	340	Pg	14:16:04.55	0.55
			Sg	16:09.89	-0.42
KOVH	68.3	337	Pg	14:16:08.19	-0.14
			Sg	16:15.72	-2.31
PKSM	78.1	11	Pg	14:16:10.22	0.16
			Sg	16:21.11	0.01
MORH	78.6	11	Pg	14:16:10.27	0.13
			Sg	16:21.42	0.17
FRGS	115.5	112	Sn	14:16:30.23	-0.78

1501.

2020-11-19 time: 7:58:01.69 UTC ML= 1.7  
lat: 47.098N lon: 18.044E h= 0.0 km  
erh= 2.1km erz= 665km  
nr= 9 gap=116 rms=0.50  
Locality: Királyszentistván  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	24.8	208	Pg	7:58:06.73	0.62
CSKK	33.8	29	Pg	7:58:07.74	0.02
			Sg	58:12.47	0.05
MPLH	39.1	282	Sg	7:58:13.68	-0.43
PKSG	42.0	39	Pg	7:58:09.04	-0.14
			Sg	58:15.07	0.05
MORH	108.3	155	Pg	7:58:21.52	0.50
			Sg	58:35.17	-0.93
KOVH	112.3	178	Sg	7:58:36.23	-1.15

1502.

2020-11-19 time: 9:22:36.48 UTC ML= 1.9  
lat: 48.223N lon: 21.285E h= 0.0 km  
erh= 1.7km erz= 1.8km  
nr= 14 gap=156 rms=0.50  
Locality: Mád  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	8.8	337	PgU	9:22:38.33	0.29
			Sg	22:39.25	-0.02
KECS	65.9	296	Pg	9:22:47.99	-0.26
			Sg	22:56.54	-0.89
TRPA	93.8	96	Pg	9:22:53.20	-0.04
			Sg	23:06.69	0.38
KOLS	107.5	43	Pg	9:22:55.60	-0.07
			Sg	23:09.67	-0.97
PSZ	109.0	252	Pg	9:22:56.41	0.46
			Sg	23:09.66	-1.47
NIE	150.9	332	Pn	9:23:02.38	0.05
			Sn	23:22.56	0.07
LANS	168.9	308	Sn	9:23:26.88	0.39
VYHS	184.0	279	Sn	9:23:31.30	1.47

## Hypocenter Parameters

1503.

2020-11-19 time: 10:24:24.92 UTC ML= 1.5  
lat: 48.589N lon: 20.675E h= 0.0 km  
erh= 5.7km erz= 8.3km  
nr= 8 gap=146 rms=1.45  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	18.3	230	Pg	10:24:27.86	-0.32
			Sg	24:30.87	0.14
PSZ	94.5	218	Pg	10:24:42.65	0.87
			Sg	24:54.72	-0.22
NIE	96.0	344	Pg	10:24:44.23	2.16
LANS	108.4	305	Pg	10:24:44.17	-0.10
KOLS	123.6	72	Sg	10:25:01.45	-2.74
VYHS	136.2	266	Sn	10:25:04.66	-3.01

1504.

2020-11-19 time: 11:38:16.19 UTC ML= 1.4  
lat: 47.581N lon: 16.337E h= 0.0 km  
erh= 1.5km erz= 2.1km  
nr= 16 gap= 66 rms=0.62  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	13.5	347	PgU	11:38:18.79	0.18
			Sg	38:20.85	0.35
SOP	20.1	56	Pg	11:38:19.73	-0.05
			Sg	38:22.36	-0.23
CONA	52.6	317	Pg	11:38:26.16	0.58
			Sg	38:32.53	-0.37
ARSA	71.6	239	Sg	11:38:38.93	-0.03
MPLH	101.6	117	Sg	11:38:48.55	0.05
MODS	112.6	39	Sg	11:38:51.01	-0.99
KOGS	126.1	183	Sg	11:38:56.10	-0.18
GROS	139.8	207	Sn	11:38:58.79	-0.95
SOKA	141.0	225	Sn	11:38:58.31	-1.70
CSKK	147.0	99	Pn	11:38:42.23	0.68
			Sn	39:01.72	0.39
MOA	158.3	281	Sn	11:39:04.92	1.08
KRUC	164.7	1	Sn	11:39:03.41	-1.86

1505.

2020-11-19 time: 13:11:36.11 UTC ML= 0.7  
lat: 47.790N lon: 19.651E h= 19.9 km  
erh= 4.2km erz= 1.7km  
nr= 5 gap=218 rms=0.17  
Locality: Zagyvaszántó  
Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	23.1	52	Pg	13:11:41.80	0.24
			Sg	11:45.51	-0.31
PENC	27.7	270	Pg	13:11:42.18	-0.02
			Sg	11:46.92	-0.03
VYHS	99.0	322	Sn	13:12:05.96	-0.11

1506.

2020-11-20 time: 8:47:28.97 UTC ML= 2.0  
lat: 47.000N lon: 22.280E h= 0.0 km  
erh= 2.3km erz= 2.7km  
nr= 12 gap=159 rms=0.57  
Locality: Romania  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	40.2	125	Pg	8:47:36.22	0.07
			Sg	47:41.64	-0.11

## Hypocenter Parameters

SIRR 94.2 210 Pg 8:47:45.76 -0.04  
 Sg 47:57.56 -1.37  
 CJR 105.5 108 Pg 8:47:47.77 -0.04  
 Sg 48:01.88 -0.62  
 TRPA 127.2 9 Pg 8:47:51.43 -0.26  
 DEV 133.0 159 Pn 8:47:52.74 0.14  
 BZS 162.0 198 Pn 8:47:56.96 0.75  
 Sn 48:16.14 -1.31  
 GZR 182.6 168 Pn 8:47:59.92 1.14  
 Sn 48:22.82 0.79

1507.

2020-11-20 time: 9:06:04.60 UTC ML= 1.5  
 lat: 48.591N lon: 20.756E h= 0.0 km  
 erh= 1.9km erz= 2.7km  
 nr= 7 gap=227 rms=0.16  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.3	239	Pg	9:06:08.80	0.05
			Sg	06:11.65	-0.34
ABAH	48.5	133	Pg	9:06:13.29	0.03
			Sg	06:19.82	-0.20
PSZ	98.4	221	Pg	9:06:22.42	0.25
			Sg	06:35.90	0.02
VYHS	142.2	266	Pn	9:06:29.24	-0.12

1508.

2020-11-20 time: 9:54:17.84 UTC ML= 1.3  
 lat: 47.851N lon: 19.087E h= 0.0 km  
 erh= 1.3km erz= 345km  
 nr= 6 gap=115 rms=0.20  
 Locality: Szendehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	16.1	115	Pg	9:54:20.75	0.04
			Sg	54:22.66	-0.29
PSZ	60.9	83	Pg	9:54:29.01	0.30
			Sg	54:37.00	-0.19
VYHS	73.9	345	Sg	9:54:41.16	-0.15
PKST	103.0	230	Sg	9:54:50.55	-0.03

1509.

2020-11-20 time: 9:58:15.33 UTC ML= 1.7  
 lat: 48.479N lon: 17.388E h= 0.0 km  
 erh= 2.3km erz= 3.7km  
 nr= 11 gap=126 rms=0.44  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.9	38	Pg	9:58:16.47	0.27
			Sg	58:17.25	0.36
MODS	14.3	215	Pg	9:58:18.10	0.21
			Sg	58:20.36	0.48
VYHS	107.1	89	Pg	9:58:34.67	0.22
			Sg	58:48.58	-0.78
RONA	118.9	223	Pg	9:58:36.70	0.14
			Sg	58:53.40	0.29
CONA	128.9	242	Pg	9:58:37.74	-0.62
			Sg	58:55.36	-0.96
MORC	144.8	4	Sn	9:58:59.37	-0.61

## Földrengés paraméterek

1510.

2020-11-20 time: 10:34:45.06 UTC ML= 0.9  
 lat: 47.577N lon: 16.686E h= 0.0 km  
 erh= 4.0km erz= 7.7km  
 nr= 8 gap=170 rms=0.85  
 Locality: Pereszteg  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SOP	15.2	321	Pg	10:34:47.07	-0.71
			Sg	34:49.16	-0.74
RONA	32.3	295	Pg	10:34:51.77	0.94
			Sg	34:54.96	-0.38
CONA	73.1	302	Sg	10:35:09.00	0.69
MPLH	78.7	125	Sg	10:35:10.07	-0.02
MODS	99.0	26	Sg	10:35:17.50	0.98
KRUC	166.5	353	Sn	10:35:32.36	-2.18

1511.

2020-11-20 time: 11:05:18.14 UTC ML= 1.7  
 lat: 48.293N lon: 21.541E h= 0.0 km  
 erh= 4.5km erz= \*\*\*km  
 nr= 9 gap=147 rms=0.86  
 Locality: Bodrogolaszi  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	22.4	271	Pg	11:05:22.69	0.56
			Sg	05:25.39	0.14
TRPA	76.4	104	Pg	11:05:32.23	0.45
			Sg	05:41.47	-0.94
KECS	81.0	285	Pg	11:05:32.83	0.24
			Sg	05:42.77	-1.10
KOLS	89.3	37	Pg	11:05:35.09	1.01
			Sg	05:45.28	-1.24
PSZ	129.5	251	Sg	11:05:57.38	-1.93

1512.

2020-11-20 time: 21:02:11.73 UTC ML= 2.1  
 lat: 45.623N lon: 21.256E h= 11.9 km  
 erh= 2.0km erz= 1.4km  
 nr= 26 gap= 60 rms=0.78  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	13.0	348	PgC	21:02:14.86	-0.01
			Sg	02:18.10	0.78
BZS	28.1	91	PgD	21:02:17.09	-0.09
			Sg	02:21.67	0.24
BANR	28.3	199	Pg	21:02:16.99	-0.22
			Sg	02:21.88	0.39
SURR	69.2	78	PgC	21:02:23.95	-0.31
			Sg	02:32.90	-1.14
SIRR	78.2	24	Pg	21:02:25.93	0.08
			Sg	02:35.00	-1.87
MDVR	100.1	159	P*D	21:02:29.51	-0.08
			S*	02:41.70	-1.83
GZR	121.5	102	Pn	21:02:32.56	0.17
			Sn	02:47.12	-1.39
HERR	122.8	132	PnD	21:02:33.12	0.57
			Sn	02:48.70	-0.10
FRGS	125.6	244	Pn	21:02:32.63	-0.27
			Sn	02:47.87	-1.54
DEV	131.4	77	PnD	21:02:34.51	0.89
			Sn	02:51.00	0.30
DRGR	171.7	41	Pn	21:02:39.28	0.63
			Sn	03:00.72	1.07
LOT	197.3	96	PnC	21:02:43.00	1.16
			Sn	03:06.90	1.58
MORH	213.1	288	Sn	21:03:11.50	2.66
BOVS	223.7	171	PnD	21:02:47.39	2.26

## Földrengés paraméterek

## Hypocenter Parameters

1513.

2020-11-21 time: 12:57:39.50 UTC ML= 1.8  
 lat: 48.560N lon: 22.983E h= 14.5 km  
 erh= 7.3km erz= 4.0km  
 nr= 7 gap=210 rms=0.74  
 Locality: Ukraine  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	58.0	215	Pg	12:57:51.19	1.00
			Sg	57:57.52	-1.00
KOLS	66.7	308	Pg	12:57:51.86	0.17
			Sg	58:00.16	-1.03
BMR	105.8	159	Sn	12:58:11.21	-1.00
ABAH	132.4	257	Pn	12:58:01.30	0.12
			Sn	58:18.57	0.47

1514.

2020-11-21 time: 18:26:40.64 UTC ML= 0.7  
 lat: 47.768N lon: 16.165E h= 15.0 km  
 erh= 2.1km erz= 1.7km  
 nr= 10 gap= 92 rms=0.48  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	12.4	128	Pg	18:26:44.47	0.36
			Sg	26:46.48	-0.34
CONA	28.9	308	Pg	18:26:46.88	0.43
			Sg	26:51.10	0.12
SOP	31.0	108	Sg	18:26:51.45	-0.12
WINA	38.4	350	Pg	18:26:48.26	0.27
			Sg	26:52.93	-0.80
ARSA	75.2	220	Sg	18:27:03.95	-1.05
MODS	106.8	51	Sn	18:27:12.95	-0.51
KRUC	144.9	7	Sn	18:27:22.39	0.48

1515.

2020-11-21 time: 21:31:03.97 UTC ML= 0.0  
 lat: 47.297N lon: 18.316E h= 5.5 km  
 erh= 3.3km erz= 5.6km  
 nr= 6 gap=231 rms=0.07  
 Locality: Magyarország  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.5	330	Pg	21:31:05.76	-0.01
			Sg	31:07.17	-0.01
PKSG	11.9	28	Pg	21:31:06.31	0.00
			Sg	31:08.17	0.03
PKST	21.8	259	Pg	21:31:08.07	0.09
			Sg	31:10.93	-0.17

1516.

2020-11-22 time: 5:00:11.16 UTC ML= 2.5  
 lat: 45.885N lon: 16.028E h= 9.7 km  
 erh= 1.5km erz= 1.0km  
 nr= 36 gap= 64 rms=0.59  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	5.7	287	Pg	5:00:12.99	-0.18
			Sg	00:13.94	-0.79
ZAG	6.7	203	Pg	5:00:13.57	0.30
			Sg	00:15.02	0.11
GCIS	31.2	266	iPgD	5:00:17.09	0.10
			iSg	00:20.88	-0.66
GOLS	34.3	294	iPg	5:00:17.66	0.13

sta	dist	azm	phase	hr mn sec	res
			eSg	00:21.64	-0.85
CRES	44.9	262	Pg	5:00:19.35	-0.01
DOBS	52.4	304	iPg	5:00:20.90	0.23
KOGS	64.9	15	Pg	5:00:23.61	0.72
			Sg	00:31.61	-0.42
BOJS	73.8	235	iPg	5:00:24.22	-0.23
GROS	75.9	328	Pg	5:00:24.76	-0.06
PERS	109.1	320	Pn	5:00:30.07	-0.50
SOKA	116.9	319	Pn	5:00:31.35	-0.19
OBKA	133.7	301	Pn	5:00:34.38	0.75
			Sn	00:50.74	-0.41
BLY	155.4	144	Pn	5:00:36.98	0.64
			Sn	00:56.73	0.76
ARSA	156.7	346	Pn	5:00:37.63	1.13
			Sn	00:54.03	-2.23
KOVH	162.1	82	Pn	5:00:36.92	-0.25
			Sn	00:55.70	-1.76
PKSV	172.6	90	Pn	5:00:38.49	0.00
			Sn	00:57.69	-2.11
RONA	202.8	6	Pn	5:00:43.09	0.84
PKSM	205.5	80	Pn	5:00:42.28	-0.30
			Sn	01:04.86	-2.23
MORH	205.8	80	Pn	5:00:42.29	-0.33
			Sn	01:04.66	-2.49*
CONA	227.5	357	Pn	5:00:45.84	0.51
			Sn	01:12.42	0.43
WINA	247.1	1	Sn	5:01:18.54	2.21*
MOA	256.5	328	Pn	5:00:50.97	2.03
			Sn	01:18.30	-0.10

1517.

2020-11-22 time: 5:10:39.30 UTC ML= 2.1  
 lat: 45.909N lon: 16.016E h= 5.1 km  
 erh= 0.3km erz= 0.3km  
 nr= 8 gap=174 rms=0.04  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	4.6	258	Pg	5:10:40.54	0.01
			Sg	10:41.51	0.02
ZAG	9.0	191	Pg	5:10:41.15	-0.01
			Sg	10:42.22	-0.38*
GCIS	30.5	261	iPg	5:10:44.78	-0.05
CRES	44.4	258	Pg	5:10:47.32	0.04
KOGS	62.6	17	Sg	5:10:59.27	0.00
GROS	73.1	327	Pg	5:10:52.40	0.01

1518.

2020-11-22 time: 14:30:27.38 UTC ML= 1.7  
 lat: 46.113N lon: 22.481E h= 0.1 km  
 erh= 2.5km erz= 839km  
 nr= 11 gap=126 rms=0.68  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SURR	48.6	215	PgD	14:30:36.42	0.37
			Sg	30:42.50	-0.32
SIRR	65.7	285	Sg	14:30:47.29	-0.97
DRGR	77.4	13	Pg	14:30:41.94	0.73
			Sg	30:50.99	-1.00
MARR	79.5	38	PgC	14:30:42.01	0.44
			Sg	30:51.80	-0.84
GZR	83.3	164	Pg	14:30:42.75	0.50
			Sg	30:52.01	-1.83
BZS	86.9	231	Pg	14:30:43.17	0.27
			Sg	30:54.90	-0.11

## Hypocenter Parameters

## Földrengés paraméterek

1519.

2020-11-23 time: 7:56:56.73 UTC ML= 1.5  
 lat: 48.444N lon: 18.638E h= 0.0 km  
 erh= 3.3km erz= 4.8km  
 nr= 13 gap= 98 rms=1.30  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	15.6	69	Pg	7:57:00.63	1.10
			Sg	57:02.71	1.00
PENC	87.1	147	Sg	7:57:24.30	-0.11
MODS	101.1	266	Pg	7:57:15.93	1.15
			Sg	57:27.87	-0.99
PSZ	110.2	122	Pg	7:57:17.70	1.28
			Sg	57:30.09	-1.68
BUD	110.6	165	Sg	7:57:32.16	0.26
ZST	117.2	256	Sg	7:57:32.70	-1.28
PKSG	118.5	189	Sg	7:57:32.44	-1.96
KECS	136.7	88	Sn	7:57:37.45	-2.15
MPLH	163.8	210	Sn	7:57:46.10	0.48
MORC	168.4	332	Sn	7:57:44.19	-2.44

1520.

2020-11-23 time: 9:02:18.26 UTC ML= 1.4  
 lat: 47.376N lon: 18.766E h= 0.0 km  
 erh= 5.8km erz= \*\*\*km  
 nr= 11 gap=195 rms=0.83  
 Locality: Gyúró  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PBUD	21.1	62	Sg	9:02:24.99	0.04
BUD	22.8	58	Sg	9:02:25.25	-0.26
PKSG	28.4	274	PgU	9:02:24.31	0.98
			Sg	02:27.18	-0.11
CSKK	38.2	268	Pg	9:02:25.40	0.31
			Sg	02:30.09	-0.32
PKST	56.9	257	Pg	9:02:28.51	0.10
			Sg	02:35.09	-1.24
EGYH	108.4	272	Sg	9:02:51.21	-1.50
VYHS	124.4	2	Pg	9:02:41.19	0.72
			Sg	02:54.40	-3.40

1521.

2020-11-23 time: 9:25:16.33 UTC ML= 1.9  
 lat: 48.542N lon: 17.524E h= 0.0 km  
 erh= 2.1km erz= 1.4km  
 nr= 11 gap=224 rms=0.52  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	7.7	246	PgU	9:25:18.05	0.35
			Sg	25:18.81	0.03
MODS	26.1	224	PgU	9:25:21.27	0.28
			Sg	25:24.75	0.12
KRUC	101.1	305	Pg	9:25:34.99	0.60
			Sg	25:47.52	-0.96
RONA	130.8	224	Pn	9:25:39.72	0.04
			Sn	25:56.69	-1.20
MORC	137.4	1	Sn	9:25:58.51	-0.83
CONA	141.1	241	Pn	9:25:41.08	0.13
			Sn	25:59.32	-0.84

1522.

2020-11-23 time: 10:04:20.93 UTC ML= 1.3  
 lat: 47.514N lon: 18.724E h= 0.0 km  
 erh= 2.7km erz= 3.3km  
 nr= 16 gap= 84 rms=1.30  
 Locality: Herceghalom  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	22.9	99	Sg	10:04:29.43	1.23
PKSG	28.6	242	Pg	10:04:26.91	0.87
			Sg	04:30.81	0.79
CSKK	38.8	244	Pg	10:04:28.87	1.01
			Sg	04:34.44	1.18
PENC	52.0	54	Sg	10:04:38.06	0.61
PKST	59.3	241	Pg	10:04:31.23	-0.29
			Sg	04:39.86	0.08
MPLH	97.3	247	Sg	10:04:52.17	0.30
PSZ	98.7	63	Sg	10:04:51.17	-1.12
VYHS	109.3	4	Pg	10:04:41.12	0.68
			Sg	04:53.98	-1.68
MODS	144.3	311	Sn	10:05:02.71	-2.76
MORH	144.5	182	Sn	10:05:02.01	-3.51
PKSM	144.9	182	Sn	10:05:02.92	-2.70
KOVH	165.5	197	Sn	10:05:10.78	0.59

1523.

2020-11-23 time: 11:49:20.60 UTC ML= 1.5  
 lat: 48.357N lon: 19.860E h= 0.0 km  
 erh= 2.4km erz= 908km  
 nr= 11 gap= 91 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.4	73	Pg	11:49:29.53	0.28
			Sg	49:36.15	0.16
PSZ	48.8	177	Pg	11:49:29.63	0.31
			Sg	49:36.05	-0.07
VYHS	77.3	281	Pg	11:49:34.55	0.16
			Sg	49:43.99	-1.17
LANS	92.8	342	Pg	11:49:38.66	1.48
			Sg	49:48.71	-1.40
ABAH	102.6	94	Pg	11:49:38.87	-0.04
			Sg	49:52.42	-0.78
A338	118.3	251	Sg	11:49:57.24	-0.97

1524.

2020-11-24 time: 5:16:08.15 UTC ML= 1.8  
 lat: 48.049N lon: 16.887E h= 13.3 km  
 erh= 3.3km erz= 2.9km  
 nr= 10 gap=115 rms=0.71  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MODS	46.3	39	Pg	5:16:17.11	0.35
			Sg	16:22.35	-1.12
RONA	58.8	229	Pg	5:16:19.85	0.93
WINA	61.0	276	Pg	5:16:19.50	0.20
			Sg	16:26.91	-1.09
SMOL	65.5	38	Sg	5:16:29.52	0.12
CONA	77.7	260	Sg	5:16:32.48	-0.74
MPLH	109.3	153	Pn	5:16:26.69	-0.42
KRUC	118.4	342	Pn	5:16:29.07	0.83
			Sn	16:43.02	-0.90

## Földrengés paraméterek

## Hypocenter Parameters

1525.

2020-11-24 time: 8:49:38.95 UTC ML= 1.5  
 lat: 47.333N lon: 18.451E h= 0.0 km  
 erh= 0.6km erz= 4.4km  
 nr= 9 gap=114 rms=0.20  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.9	325	PgU	8:49:40.51	0.15
			Sg	49:41.15	-0.32
CSKK	14.7	283	PgU	8:49:41.80	0.22
			Sg	49:43.52	-0.12
PKST	32.6	255	Pg	8:49:44.71	-0.05
MORH	125.1	173	Sg	8:50:18.68	-0.04
PKSM	125.5	173	Sg	8:50:18.74	-0.11
PSZ	126.5	59	Sg	8:50:19.21	0.05
VYHS	132.2	13	Sn	8:50:19.09	-1.72*

1526.

2020-11-24 time: 9:12:24.29 UTC ML= 1.4  
 lat: 48.612N lon: 20.775E h= 0.0 km  
 erh= 3.2km erz= 4.9km  
 nr= 7 gap=194 rms=0.57  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.8	236	Pg	9:12:29.13	0.23
			Sg	12:31.75	-0.74
ABAH	49.2	136	Sg	9:12:39.86	-0.06
PSZ	101.2	220	Pg	9:12:43.18	0.82
			Sg	12:55.93	-0.52
LANS	113.0	302	Pg	9:12:44.49	0.01
VYHS	143.8	265	Sn	9:13:07.46	-1.26

1527.

2020-11-24 time: 9:30:38.49 UTC ML= 1.8  
 lat: 48.505N lon: 17.407E h= 0.0 km  
 erh= 1.4km erz= 2.1km  
 nr= 14 gap=123 rms=0.55  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	1.9	58	Pg	9:30:38.80	-0.03
			Sg	30:39.62	0.53
MODS	17.5	213	Pg	9:30:41.56	-0.05
			Sg	30:44.12	0.08
KRUC	96.8	310	Pg	9:30:55.33	-0.44
			Sg	31:10.05	0.79
VYHS	105.6	91	ePg	9:30:58.30	0.95
			eSg	31:11.20	-0.86
WINA	108.4	246	Pg	9:30:58.35	0.50
			Sg	31:13.19	0.25
RONA	121.9	223	Pg	9:31:00.31	0.05
CONA	131.5	241	Pn	9:31:01.33	-0.60
			Sn	31:19.31	-0.89
MORC	141.8	4	Sn	9:31:20.74	-1.74

1528.

2020-11-24 time: 9:43:49.73 UTC ML= 1.1  
 lat: 46.159N lon: 18.286E h= 0.0 km  
 erh= 1.8km erz= 355km  
 nr= 8 gap=196 rms=0.25  
 Locality: Vasas  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	16.4	241	PgU	9:43:52.45	-0.21

			Sg	43:55.43	0.50
PKSM	28.1	78	Pg	9:43:54.76	0.01
			Sg	43:58.58	-0.08
MORH	28.4	77	Pg	9:43:54.65	-0.16
			Sg	43:59.14	0.38
PKSV	30.2	185	Pg	9:43:55.33	0.21
			Sg	43:58.85	-0.47

1529.

2020-11-24 time: 9:50:51.37 UTC ML= 1.5  
 lat: 45.744N lon: 22.775E h= 0.0 km  
 erh= 0.9km erz= 289km  
 nr= 8 gap=147 rms=0.20  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.5	33	Pg	9:50:54.53	-0.14
			Sg	50:57.25	0.01
GZR	38.9	180	Pg	9:50:58.33	0.01
			Sg	51:03.74	-0.01
BZS	91.4	261	Pg	9:51:07.72	0.03
			Sg	51:20.19	-0.22
SIRR	104.2	304	Pg	9:51:10.43	0.45
			Sg	51:24.19	-0.30

1530.

2020-11-24 time: 9:56:58.55 UTC ML= 1.6  
 lat: 48.843N lon: 20.433E h= 0.0 km  
 erh= 3.0km erz= 5.0km  
 nr= 11 gap=152 rms=0.54  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	40.2	174	Pg	9:57:05.93	0.20
			Sg	57:11.51	0.18
LANS	78.5	296	Sg	9:57:22.98	-0.52
ABAH	85.1	136	Pg	9:57:13.70	-0.05
			Sg	57:25.11	-0.50
PSZ	110.3	201	Pg	9:57:18.90	0.65
			Sg	57:32.47	-1.14
VYHS	123.9	252	Pg	9:57:21.12	0.45
			Sg	57:35.84	-2.08
OJC	159.8	343	Pn	9:57:25.72	0.20
			Sn	57:46.08	-0.47

1531.

2020-11-24 time: 10:03:15.99 UTC ML= 1.5  
 lat: 48.850N lon: 20.499E h= 0.0 km  
 erh= 2.8km erz= 909km  
 nr= 11 gap=152 rms=0.74  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	40.8	181	Pg	10:03:23.47	0.19
			Sg	03:28.86	-0.11
ABAH	82.4	138	Pg	10:03:30.78	0.08
			Sg	03:42.67	0.49
LANS	82.5	294	Sg	10:03:41.44	-0.77
			Pg	10:03:36.87	0.72
PSZ	112.9	203	Sg	03:51.03	-0.85
			Pg	10:03:39.99	1.01
VYHS	128.7	252	Sg	03:55.25	-1.65
			Pg	10:03:39.18	-0.11
KOLS	130.4	86	Pg	10:03:39.18	-0.11
			Sg	03:55.95	-1.50

## Hypocenter Parameters

## Földrengés paraméterek

1532.

2020-11-24 time: 10:10:56.47 UTC ML= 1.8  
 lat: 45.687N lon: 22.068E h= 4.7 km  
 erh= 1.6km erz= 1.6km  
 nr= 23 gap= 76 rms=0.72  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SURR	8.7	30	PgD	10:10:58.63			0.40
			Sg		11:00.00		0.39
BZS	36.1	258	Pg	10:11:02.94			-0.02
			Sg		11:07.56		-0.46
GZR	64.2	120	Pg	10:11:07.92			-0.04
			Sg		11:15.89		-1.04
DEV	68.5	71	Sg	10:11:16.50			-1.80
SIRR	71.9	334	PgC	10:11:09.96			0.62
			Sg		11:18.30		-1.08
HERR	93.6	163	PgD	10:11:13.20			0.00
			Sg		11:25.80		-0.45
MDVR	104.4	196	PgD	10:11:15.66			0.54
			Sg		11:28.80		-0.88
DRGR	132.5	22	Pn	10:11:19.58			0.16
			Sn		11:36.35		-0.97
LOT	135.4	101	PnD	10:11:20.62			0.84
			Sn		11:37.20		-0.77
MARR	136.7	36	PnC	10:11:21.02			1.08
			Sn		11:37.30		-0.95
SRE	144.7	142	Sn	10:11:40.90			0.86
CJR	164.2	46	Sn	10:11:44.72			0.35
VOIR	234.4	97	Pn	10:11:33.33			1.20
			Sn		12:01.96		2.02

1533.

2020-11-24 time: 10:41:08.15 UTC ML= 1.0  
 lat: 48.496N lon: 19.585E h= 0.0 km  
 erh= 6.6km erz= \*\*\*km  
 nr= 5 gap=181 rms=0.58  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
VYHS	55.3	270	Pg	10:41:18.51			0.48
			Sg		41:24.77		-0.96
KECS	66.6	91	Sg	10:41:28.89			-0.43
PSZ	68.2	160	Pg	10:41:20.80			0.47
			Sg		41:29.20		-0.63

1534.

2020-11-24 time: 10:45:10.14 UTC ML= 1.7  
 lat: 48.418N lon: 17.223E h= 0.0 km  
 erh= 1.5km erz= 557km  
 nr= 10 gap= 95 rms=0.43  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	6.4	141	Pg	10:45:10.57			-0.71
			Sg		45:12.46		0.30
SMOL	18.6	55	Sg	10:45:16.69			0.64
WINA	92.1	248	Pg	10:45:26.58			0.00
			Sg		45:39.76		0.35
KRUC	94.0	320	Pg	10:45:27.07			0.14
			Sg		45:39.02		-1.00
RONA	105.6	221	Pg	10:45:29.00			0.01
			Sg		45:44.01		0.31
CONA	114.9	242	Sg	10:45:46.88			0.21

1535.

2020-11-24 time: 10:54:56.74 UTC ML= 1.3  
 lat: 48.654N lon: 20.710E h= 7.2 km  
 erh= 2.7km erz= 5.8km  
 nr= 6 gap=274 rms=0.17  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KECS	25.2	221	Pg	10:55:01.35			-0.06
			Sg		55:05.14		0.08
ABAH	55.8	135	Pg	10:55:06.66			-0.13
			Sg		55:14.65		0.03
PSZ	101.7	217	Pg	10:55:15.24			0.29
			Sg		55:28.88		-0.27

1536.

2020-11-24 time: 11:00:40.32 UTC ML= 1.7  
 lat: 48.128N lon: 16.930E h= 0.0 km  
 erh= 2.9km erz= 2.8km  
 nr= 11 gap=151 rms=0.60  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	37.6	43	Pg	11:00:47.78			0.75
			Sg		00:51.78		-0.48
SMOL	56.6	41	Sg	11:00:58.05			-0.27
RONA	67.2	225	Pg	11:00:52.70			0.38
			Sg		01:00.79		-0.88
CONA	82.7	254	Pg	11:00:55.44			0.35
			Sg		01:05.96		-0.65
KRUC	111.1	339	Sg	11:01:14.68			-0.94
ARSA	143.8	227	Pn	11:01:05.93			0.65
			Sn		01:24.25		-0.50
VYHS	147.1	74	Sn	11:01:24.90			-0.60

1537.

2020-11-24 time: 11:40:56.08 UTC ML= 1.6  
 lat: 48.360N lon: 17.379E h= 0.0 km  
 erh= 2.2km erz= 388km  
 nr= 6 gap=216 rms=0.23  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MODS	7.7	282	Pg	11:40:57.10			-0.35
			Sg		40:58.83		0.32
SMOL	17.5	12	Pg	11:40:59.13			-0.08
			Sg		41:01.98		0.33
RONA	109.1	228	Pg	11:41:15.62			0.06
			Sg		41:30.84		0.09

1538.

2020-11-24 time: 13:13:11.10 UTC ML= 1.3  
 lat: 46.277N lon: 21.886E h= 0.0 km  
 erh= 2.7km erz= 771km  
 nr= 7 gap=141 rms=0.51  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SIRR	17.5	267	Pg	13:13:14.15			-0.07
			Sg		13:16.56		-0.09
BZS	76.3	196	Pg	13:13:25.30			0.59
			Sg		13:34.44		-0.90
DRGR	85.4	48	Sg	13:13:37.90			-0.33
GZR	120.1	145	Pg	13:13:33.03			0.49
			Sg		13:48.50		-0.77

## Földrengés paraméterek

## Hypocenter Parameters

1539.

2020-11-24 time: 13:43:51.79 UTC ML= 1.6  
 lat: 45.616N lon: 17.358E h= 0.0 km  
 erh= 6.5km erz= 939km  
 nr= 9 gap=268 rms=0.70  
 Locality: Croatia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	75.9	66	Pg	13:44:06.01	0.67
			Sg	44:16.33	0.42
KOVH	78.0	48	Pg	13:44:06.47	0.75
			Sg	44:17.48	0.91
BEHE	105.1	335	Sg	13:44:25.08	-0.14
PKSM	119.6	56	Pg	13:44:12.50	-0.65
			Sg	44:28.82	-0.99
MORH	120.0	56	Pg	13:44:12.50	-0.72
			Sg	44:29.17	-0.77

1540.

2020-11-25 time: 8:02:57.34 UTC ML= 1.1  
 lat: 48.018N lon: 20.351E h= 0.0 km  
 erh= 1.8km erz= 340km  
 nr= 6 gap=187 rms=0.21  
 Locality: Mónosbél  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	35.9	252	Pg	8:03:03.93	0.18
			Sg	03:08.52	-0.22
KECS	52.7	11	Pg	8:03:06.74	-0.01
			Sg	03:14.30	0.22
ABAH	73.0	65	Pg	8:03:10.07	-0.30
			Sg	03:20.76	0.23

1541.

2020-11-25 time: 9:14:13.01 UTC ML= 1.4  
 lat: 48.646N lon: 20.732E h= 0.0 km  
 erh= 1.5km erz= 1.8km  
 nr= 7 gap=233 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.6	225	Pg	9:14:18.14	0.55
			Sg	14:20.73	-0.43
ABAH	54.0	136	Pg	9:14:22.81	0.15
			Sg	14:29.29	-0.90
PSZ	102.0	218	Pg	9:14:31.65	0.43
			Sg	14:45.21	-0.22
VYHS	140.9	263	Sn	9:14:54.99	-1.82

1542.

2020-11-25 time: 9:16:12.00 UTC ML= 1.4  
 lat: 47.394N lon: 18.363E h= 0.0 km  
 erh= 8.1km erz= 6.8km  
 nr= 9 gap=177 rms=1.30  
 Locality: Gánt  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	2.1	96	PgU	9:16:13.02	0.65
			Sg	16:13.78	1.13
CSKK	8.5	246	Pg	9:16:14.37	0.86
			Sg	16:15.65	0.96
PKST	29.0	239	Sg	9:16:21.68	0.45
PSZ	129.0	63	Sg	9:16:51.60	-1.39
MORH	132.7	171	Sn	9:16:50.93	-3.04
PKSM	133.1	171	Sn	9:16:51.78	-2.28
KOVH	146.5	188	Sn	9:16:57.12	0.09

1543.

2020-11-25 time: 9:29:04.72 UTC ML= 1.1  
 lat: 46.143N lon: 18.017E h= 0.0 km  
 erh= 1.3km erz= 190km  
 nr= 8 gap=293 rms=0.14  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	8.8	134	PgU	9:29:06.25	-0.04
			Sg	29:07.66	0.14
PKSV	33.6	147	Pg	9:29:10.74	0.01
			Sg	29:15.11	-0.30
PKSM	48.8	81	Pg	9:29:13.58	0.15
			Sg	29:19.99	-0.23
MORH	49.1	81	Pg	9:29:13.43	-0.05
			Sg	29:20.50	0.19

1544.

2020-11-25 time: 10:20:35.53 UTC ML= 1.9  
 lat: 47.097N lon: 18.004E h= 0.0 km  
 erh= 1.5km erz= 2.2km  
 nr= 17 gap= 96 rms=0.82  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	23.5	201	Pg	10:20:40.28	0.56
			Sg	20:44.34	1.36
CSKK	35.4	33	Sg	10:20:47.45	0.66
MPLH	36.2	283	Sg	10:20:47.66	0.64
PKSG	44.0	42	Pg	10:20:43.63	0.25
			Sg	20:49.90	0.39
EGYH	62.1	305	Sg	10:20:54.99	-0.28
MORH	109.5	153	Sg	10:21:09.24	-1.10
PKSM	109.8	154	Sg	10:21:09.34	-1.10
KOVH	112.4	176	Pg	10:20:56.39	0.80
			Sg	21:10.49	-0.75
BEHE	116.8	233	Sg	10:21:12.46	-0.21
PKSV	135.7	172	Sn	10:21:16.68	-1.48
MODS	152.1	339	Sn	10:21:18.94	-2.86
VYHS	167.4	22	Sn	10:21:25.06	-0.14
PSZ	169.2	57	Sn	10:21:24.56	-1.04
ARSA	188.8	275	Sn	10:21:29.18	-0.78

1545.

2020-11-25 time: 10:22:13.02 UTC ML= 0.7  
 lat: 47.193N lon: 18.310E h= 0.0 km  
 erh= 5.3km erz= 740km  
 nr= 7 gap=161 rms=0.49  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.3	349	Pg	10:22:16.60	0.13
			Sg	22:18.41	-0.75
PKSG	23.0	15	Pg	10:22:17.85	0.73
			Sg	22:19.77	-0.55
MORH	111.6	167	Sg	10:22:48.36	-0.13
PKSM	112.0	167	Sg	10:22:48.21	-0.40
KOVH	123.8	187	Sg	10:22:52.53	0.15

1546.

2020-11-25 time: 10:30:51.53 UTC ML= 1.6  
 lat: 47.861N lon: 19.076E h= 0.0 km  
 erh= 1.6km erz= 549km  
 nr= 10 gap=121 rms=0.43  
 Locality: Szendehely  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
PENC	17.3	117	Pg	10:30:55.15	0.53
			Sg	30:56.96	-0.07
BUD	42.1	185	Sg	10:31:04.94	0.02
PSZ	61.6	84	Pg	10:31:02.89	0.36
			Sg	31:10.52	-0.58
VYHS	72.6	346	ePg	10:31:04.30	-0.20
			eSg	31:15.00	0.38
PKSG	73.3	225	Sg	10:31:14.33	-0.50
KECS	125.6	57	Pg	10:31:13.83	-0.14
			Sg	31:29.30	-2.17

1547.

2020-11-26 time: 8:09:00.97 UTC ML= 1.6  
 lat: 46.041N lon: 22.828E h= 0.0 km  
 erh= 1.8km erz= 3.6km  
 nr= 10 gap=117 rms=0.54  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	18.5	162	Pg	8:09:04.73	0.46
			Sg	09:07.64	0.80
GZR	72.1	183	Pg	8:09:14.07	0.22
			Sg	09:23.01	-0.88
DRGR	83.9	354	Pg	8:09:16.28	0.32
SIRR	93.7	286	Pg	8:09:17.38	-0.33
			Sg	09:31.24	0.47
BZS	105.3	243	Sg	8:09:33.73	-0.71
VOIR	185.5	111	Pn	8:09:30.62	-0.51
			Sn	09:53.40	-1.25

1548.

2020-11-26 time: 9:40:02.37 UTC ML= 1.5  
 lat: 45.996N lon: 22.829E h= 0.0 km  
 erh= 3.6km erz= 957km  
 nr= 9 gap=161 rms=0.72  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	13.8	155	Pg	9:40:05.06	0.23
			Sg	40:07.07	0.31
GZR	67.1	183	Pg	9:40:14.00	-0.36
			Sg	40:23.24	-0.47
DRGR	88.9	354	Sg	9:40:29.46	-1.16
SIRR	95.3	288	Pg	9:40:20.03	0.65
			Sg	40:32.28	-0.37
BZS	103.3	246	Pg	9:40:21.73	0.92
			Sg	40:33.48	-1.71

1549.

2020-11-26 time: 9:46:08.39 UTC ML= 1.3  
 lat: 46.198N lon: 18.255E h= 0.0 km  
 erh= 2.0km erz= 334km  
 nr= 8 gap=222 rms=0.24  
 Locality: Komló  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOVH	17.1	225	Pg	9:46:11.21	-0.23
			Sg	46:13.72	-0.10
PKSM	29.9	87	Pg	9:46:13.92	0.20
			Sg	46:17.67	-0.21
MORH	30.1	86	Pg	9:46:13.92	0.15
			Sg	46:17.54	-0.42
PKSV	34.4	180	Pg	9:46:14.85	0.32
			Sg	46:19.17	-0.16

1550.

2020-11-26 time: 10:32:31.50 UTC ML= 1.9  
 lat: 48.242N lon: 21.261E h= 0.0 km  
 erh= 2.1km erz= 4.5km  
 nr= 11 gap=153 rms=0.54  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	6.3	345	PgU	10:32:32.95	0.33
			Sg	32:34.31	0.82
KECS	63.4	295	Pg	10:32:43.05	0.23
			Sg	32:50.73	-0.93
TRPA	95.9	97	Pg	10:32:48.67	0.05
			Sg	33:01.92	-0.06
KOLS	107.2	44	Pg	10:32:50.48	-0.17
			Sg	33:03.28	-2.30
PSZ	108.0	251	Pg	10:32:51.18	0.40
			Sg	33:04.69	-1.13
VYHS	181.8	279	Sn	10:33:24.32	-0.06

1551.

2020-11-26 time: 10:43:49.33 UTC ML= 1.1  
 lat: 48.441N lon: 20.665E h= 0.0 km  
 erh= 6.0km erz= \*\*\*km  
 nr= 6 gap=159 rms=0.82  
 Locality: Szőlósárdó  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	14.0	289	Pg	10:43:52.20	0.36
			Sg	43:54.71	0.92
ABAH	45.5	111	Pg	10:43:58.01	0.55
			Sg	44:02.99	-0.82
PSZ	81.6	225	Sg	10:44:14.60	-0.68
LANS	118.1	312	Sg	10:44:25.01	-1.87

1552.

2020-11-26 time: 11:00:42.06 UTC ML= 1.6  
 lat: 48.132N lon: 16.918E h= 0.0 km  
 erh= 2.9km erz= 3.3km  
 nr= 14 gap= 86 rms=0.98  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	37.8	45	Pg	11:00:49.30	0.48
			Sg	00:53.84	-0.25
RONA	66.9	224	Pg	11:00:55.23	1.23
			Sg	01:02.86	-0.46
CONA	82.0	254	Pg	11:00:57.64	0.95
			Sg	01:07.30	-0.81
KRUC	110.3	340	Sg	11:01:16.33	-0.79
MPLH	116.8	156	Sg	11:01:17.69	-1.48
CSKK	132.1	130	Sn	11:01:22.11	-1.79
ARSA	143.4	227	Pn	11:01:06.53	-0.45
			Sn	01:25.52	-0.89
VYHS	147.9	74	Pn	11:01:08.85	1.32
			Sn	01:26.12	-1.28
MORC	188.5	14	Sn	11:01:36.87	0.46

1553.

2020-11-27 time: 7:17:28.23 UTC ML= 1.1  
 lat: 48.722N lon: 19.218E h= 0.0 km  
 erh= 2.3km erz= 4.4km  
 nr= 9 gap= 86 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion



## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
VYHS	37.9	228	Pg	7:17:35.32	0.32
			Sg	17:40.33	0.05
LANS	51.0	21	Pg	7:17:37.95	0.61
			Sg	17:44.14	-0.30
KECS	97.2	106	Pg	7:17:45.88	0.29
			Sg	17:57.63	-1.51
PSZ	102.6	151	Pg	7:17:46.99	0.45
			Sg	17:59.51	-1.32
MORC	169.2	314	Sn	7:18:17.41	-0.89

1554.

2020-11-27 time: 7:54:16.92 UTC ML= 1.2  
 lat: 48.034N lon: 20.717E h= 0.0 km  
 erh= 2.6km erz= 489km  
 nr= 6 gap=205 rms=0.33  
 Locality: Kisgyőr  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	48.6	53	Pg	7:54:25.78	0.19
			Sg	54:32.21	-0.14
KECS	52.8	341	Pg	7:54:26.53	0.19
			Sg	54:32.91	-0.78
PSZ	62.7	258	Pg	7:54:28.34	0.22
			Sg	54:36.33	-0.52

1555.

2020-11-27 time: 8:09:42.22 UTC ML= 1.3  
 lat: 48.779N lon: 18.758E h= 0.0 km  
 erh= 3.0km erz= 3.9km  
 nr= 8 gap=152 rms=1.10  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	32.3	170	Pg	8:09:49.15	1.17
			Sg	09:52.26	-0.22
LANS	66.4	52	Pg	8:09:54.27	0.20
			Sg	10:03.41	0.10
PSZ	127.5	139	Sg	8:10:21.93	-0.83
KECS	131.5	105	Sn	8:10:21.03	-2.91
MORC	141.9	321	Pn	8:10:07.78	0.84
			Sn	10:24.57	-1.66

1556.

2020-11-27 time: 8:11:59.00 UTC ML= 2.1  
 lat: 46.970N lon: 22.265E h= 0.0 km  
 erh= 3.0km erz= 3.4km  
 nr= 12 gap=144 rms=0.64  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DRGR	39.4	120	PgU	8:12:06.45	0.42
			Sg	12:11.44	-0.08
SIRR	90.8	211	Pg	8:12:16.04	0.82
			Sg	12:26.91	-0.96
CJR	105.6	106	Pg	8:12:17.87	0.00
			Sg	12:31.33	-1.25
DEV	130.4	158	Pg	8:12:22.89	0.60
			Sg	12:39.94	-0.51
BZS	158.5	198	Pn	8:12:25.40	-0.40
			Sn	12:46.11	-0.59
KECS	214.7	322	Sn	8:12:58.47	-0.71
VOIR	274.3	128	Pn	8:12:41.39	1.15
			Sn	13:15.34	2.94*

1557.

2020-11-27 time: 9:35:43.08 UTC ML= 1.4  
 lat: 47.655N lon: 18.626E h= 0.0 km  
 erh= 2.4km erz= 2.9km  
 nr= 17 gap=107 rms=1.04  
 Locality: Bajna  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	34.3	211	Pg	9:35:49.69	0.49
			Sg	35:55.20	1.23
CSKK	42.6	220	Pg	9:35:50.95	0.26
			Sg	35:57.23	0.61
PKST	62.7	225	Sg	9:36:02.68	-0.34
VYHS	94.5	10	Pg	9:36:01.01	1.05
			Sg	36:11.47	-1.66
MPLH	98.2	237	Pg	9:36:01.23	0.62
			Sg	36:13.98	-0.31
PSZ	99.4	73	Pg	9:36:01.68	0.84
			Sg	36:15.28	0.59
EGYH	101.0	255	Sg	9:36:15.06	-0.12
MODS	128.5	308	Sg	9:36:19.37	-4.54
MORH	160.1	180	Pn	9:36:09.99	-0.08
			Sn	36:28.71	-2.41
PKSM	160.5	180	Pn	9:36:09.43	-0.70
			Sn	36:28.61	-2.61

1558.

2020-11-27 time: 9:55:11.39 UTC ML= 1.8  
 lat: 48.811N lon: 18.096E h= 0.0 km  
 erh= 2.3km erz= 3.0km  
 nr= 16 gap= 90 rms=0.91  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	59.2	236	Pg	9:55:23.02	1.06
			Sg	55:30.62	0.41
VYHS	65.0	123	Pg	9:55:21.89	-1.10
			Sg	55:30.15	-1.89
MODS	77.5	231	Pg	9:55:26.00	0.77
			Sg	55:35.24	-0.79
LANS	107.3	69	Pg	9:55:31.53	0.98
			Sg	55:44.78	-0.72
MORC	114.7	339	Pg	9:55:31.46	-0.41
			Sg	55:46.76	-1.09
KRUC	127.7	283	Sg	9:55:49.27	-2.70
PENC	143.6	142	Pn	9:55:36.83	0.50
			Sn	55:55.43	-0.35
PSZ	166.2	127	Sn	9:56:01.62	0.82
KRLC	169.9	326	Pn	9:55:39.83	0.23
			Sn	56:02.08	0.47

1559.

2020-11-27 time: 11:28:21.24 UTC ML= 1.6  
 lat: 48.702N lon: 18.700E h= 0.0 km  
 erh= 2.4km erz= 3.1km  
 nr= 16 gap= 67 rms=0.88  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	25.2	156	Pg	11:28:26.99	1.25
			Sg	28:28.69	-0.56
LANS	75.2	48	Pg	11:28:35.24	0.57
			Sg	28:45.35	0.20
SMOL	96.0	257	Sg	11:28:52.22	0.45
PENC	110.2	157	Sg	11:28:55.18	-1.08
MODS	111.2	251	Sg	11:28:55.33	-1.26
PSZ	124.3	135	Pg	11:28:42.94	-0.49
			Sg	28:59.29	-1.45
KECS	134.0	100	Pn	11:28:45.20	0.22

## Hypocenter Parameters

## Földrengés paraméterek

MORC 146.3 325 Pn 11:28:46.49 -0.02  
 Sn 29:04.87 -1.35  
 PKSG 147.5 189 Sn 11:29:04.84 -1.65  
 PKST 167.9 197 Pn 11:28:50.36 1.15  
 Sn 29:12.05 1.02  
 OJC 186.6 25 Sn 11:29:15.46 0.27

1560.

2020-11-27 time: 11:51:32.63 UTC ML= 1.3  
 lat: 48.360N lon: 19.858E h= 0.0 km  
 erh= 2.7km erz= 925km  
 nr= 8 gap=104 rms=0.67  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	48.4	74	Pg	11:51:41.23	-0.04
			Sg	51:48.25	0.24
PSZ	49.2	177	Pg	11:51:41.28	-0.13
			Sg	51:48.26	0.00
VYHS	77.1	281	Pg	11:51:47.71	1.32
			Sg	51:56.24	-0.89
LANS	92.5	342	Sg	11:52:01.62	-0.40
ABAH	102.7	94	Sg	11:52:04.31	-0.95

1561.

2020-11-27 time: 11:58:19.58 UTC ML= 1.4  
 lat: 48.855N lon: 20.682E h= 0.0 km  
 erh= 3.1km erz= 3.4km  
 nr= 8 gap=253 rms=0.35  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	43.9	199	Pg	11:58:27.78	0.36
			Sg	58:33.91	0.38
ABAH	74.6	147	Pg	11:58:32.90	0.00
			Sg	58:42.84	-0.45
PSZ	119.4	209	Pg	11:58:40.94	0.03
			Sg	58:56.40	-1.15
VYHS	141.8	254	Pn	11:58:44.35	0.06
			Sn	59:03.13	-0.44

1562.

2020-11-27 time: 12:04:07.99 UTC ML= 1.5  
 lat: 45.572N lon: 17.312E h= 11.5 km  
 erh= 3.9km erz= 1.3km  
 nr= 11 gap=217 rms=0.31  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	81.2	64	Pg	12:04:22.59	-0.04
			Sg	04:34.46	0.42
KOVH	83.9	47	Pg	12:04:22.91	-0.20
			Sg	04:34.79	-0.10
PKSM	125.3	55	Pn	12:04:29.12	-0.05
			Sn	04:45.74	0.05
MORH	125.7	55	Pn	12:04:29.19	-0.03
			Sn	04:45.36	-0.42
PKB4	143.3	44	Sn	12:04:51.01	1.31
CRES	147.2	281	Pn	12:04:32.46	0.55
			Sn	04:50.01	-0.56

1563.

2020-11-27 time: 15:20:28.08 UTC ML= 1.5  
 lat: 47.523N lon: 16.343E h= 0.0 km  
 erh= 3.3km erz= 3.8km  
 nr= 17 gap=120 rms=0.94  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	20.0	350	PgU	15:20:31.72	0.07
			Sg	20:33.94	-0.50
SOP	24.1	42	Pg	15:20:32.73	0.34
			Sg	20:35.54	-0.21
CONA	57.8	321	Pg	15:20:39.06	0.66
			Sg	20:45.48	-0.97
ARSA	68.9	244	Sg	15:20:48.71	-1.27
MODS	117.6	36	Pg	15:20:50.20	1.12
			Sg	21:04.02	-1.44
PKST	131.0	103	Pn	15:20:51.56	0.11
			Sn	21:08.43	-1.25
PERS	135.6	223	Sn	15:21:08.99	-1.71
SMOL	136.8	36	Pn	15:20:52.77	0.60
MOA	160.1	283	Pn	15:20:57.28	2.20
			Sn	21:17.15	1.01
KRUC	171.2	1	Pn	15:20:56.29	-0.17
			Sn	21:16.22	-2.38

1564.

2020-11-30 time: 8:37:12.52 UTC ML= 1.2  
 lat: 47.310N lon: 18.674E h= 0.0 km  
 erh= 2.8km erz= 266km  
 nr= 6 gap=330 rms=0.16  
 Locality: Vereb  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	23.3	293	Pg	8:37:16.76	0.09
			Sg	37:20.08	0.16
CSKK	31.8	281	Pg	8:37:18.02	-0.18
			Sg	37:22.34	-0.29
PKST	48.7	263	PgU	8:37:21.36	0.14
			Sg	37:28.01	0.00

1565.

2020-11-30 time: 8:42:31.71 UTC ML= 1.5  
 lat: 47.857N lon: 18.754E h= 14.2 km  
 erh= 1.8km erz= 1.6km  
 nr= 20 gap= 81 rms=0.69  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	33.4	262	Pg	8:42:38.86	0.67
			Sg	42:43.51	0.27
PENC	40.2	101	Pg	8:42:40.10	0.78
			Sg	42:45.12	-0.14
BUD	46.2	154	Pg	8:42:40.51	0.17
			Sg	42:46.01	-1.06
PKSG	58.5	208	Pg	8:42:42.75	0.29
			Sg	42:49.74	-1.11
CSKK	66.3	214	Pg	8:42:43.83	0.01
			Sg	42:52.14	-1.12
VYHS	71.1	5	Pg	8:42:44.88	0.22
			Sg	42:53.06	-1.70
PSZ	85.6	85	P*	8:42:47.59	0.45
			S*	42:58.24	-0.94
PKST	85.8	219	P*	8:42:46.62	-0.56
			S*	42:58.77	-0.47
MPLH	119.2	230	Sn	8:43:08.05	0.60
MODS	124.1	298	Sn	8:43:08.00	-0.54
MORH	182.6	183	Sn	8:43:23.11	1.57
PKSM	183.1	183	Sn	8:43:23.22	1.58

## Földrengés paraméterek

## Hypocenter Parameters

1566.

2020-11-30 time: 9:04:02.85 UTC ML= 1.9  
 lat: 47.332N lon: 18.529E h= 0.0 km  
 erh= 4.5km erz= 4.4km  
 nr= 7 gap=166 rms=0.53  
 Locality: Lovasberény  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	12.4	302	PgU	9:04:05.65			0.58
			Sg	04:06.12			-0.67
CSKK	20.6	280	Pg	9:04:06.86			0.33
			Sg	04:08.83			-0.57
MORH	124.4	176	Sg	9:04:41.89			-0.50
VYHS	131.2	10	Sn	9:04:43.85			-0.65
KOVH	142.1	193	Sn	9:04:47.37			0.46

1567.

2020-11-30 time: 9:07:06.65 UTC ML= 1.4  
 lat: 46.148N lon: 18.059E h= 0.0 km  
 erh= 4.2km erz= 536km  
 nr= 6 gap=286 rms=0.34  
 Locality: Okorvölgy  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	7.3	154	Pg	9:07:07.93			-0.03
			Sg	07:09.23			0.25
PKSV	32.5	153	Sg	9:07:15.81			-1.16
PKSM	45.5	81	Pg	9:07:15.01			0.23
			Sg	07:21.23			0.11
MORH	45.8	80	Sg	9:07:21.03			-0.18

1568.

2020-11-30 time: 9:08:51.68 UTC ML= 1.5  
 lat: 45.975N lon: 22.326E h= 0.0 km  
 erh= 4.2km erz= \*\*\*km  
 nr= 6 gap=131 rms=0.73  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
DEV	45.9	103	Sg	9:09:06.61			0.34
SIRR	60.9	302	Sg	9:09:11.38			0.33
BZS	68.1	234	Pg	9:09:04.55			0.71
			Sg	09:11.99			-1.33
DRGR	95.5	18	Pg	9:09:08.83			0.10
			Sg	09:20.82			-1.21

1569.

2020-11-30 time: 10:14:02.65 UTC ML= 1.4  
 lat: 46.103N lon: 21.786E h= 0.0 km  
 erh= 2.5km erz= 593km  
 nr= 6 gap=151 rms=0.34  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
SIRR	20.7	332	Pg	10:14:06.52			0.17
			Sg	14:08.98			-0.26
BZS	55.6	194	Pg	10:14:12.82			0.24
			Sg	14:19.50			-0.83
DRGR	104.5	43	Pg	10:14:21.53			0.23
			Sg	14:35.39			-0.46

1570.

2020-11-30 time: 12:29:31.69 UTC ML= 2.2  
 lat: 46.113N lon: 16.329E h= 8.8 km  
 erh= 2.2km erz= 1.8km  
 nr= 23 gap=131 rms=0.84  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PTJ	37.3	231	Pg	12:29:37.55			-0.97
			Sg	29:41.97			-1.89
KOGS	37.8	351	Pg	12:29:39.26			0.65
			Sg	29:43.53			-0.48
BEHE	52.5	41	Pg	12:29:41.62			0.42
			Sg	29:47.64			-0.97
GROS	74.6	301	Pg	12:29:45.18			0.08
			Sg	29:54.22			-1.34
CRÉS	74.8	245	Pg	12:29:46.39			1.26
			Sg	29:56.93			1.31
PERS	109.9	302	Pn	12:29:51.56			0.26
			Sn	30:05.52			-1.08
SOKA	117.9	302	Pn	12:29:52.26			-0.03
			Sn	30:08.18			-0.18
KOVH	136.9	91	Pn	12:29:55.12			0.45
			Sn	30:11.49			-1.11
ARSA	140.7	334	Pn	12:29:55.17			0.03
			Sn	30:12.45			-0.98
OBKA	144.1	288	Sn	12:30:16.17			1.99
MPLH	149.7	38	Sn	12:30:15.51			0.09
PKSV	151.0	100	Sn	12:30:15.05			-0.67
PKSM	178.9	86	Sn	12:30:23.09			1.18
MORH	179.2	86	Sn	12:30:22.69			0.72

1571.

2020-11-30 time: 19:18:37.33 UTC ML= 1.8  
 lat: 47.720N lon: 18.351E h= 11.5 km  
 erh= 1.4km erz= 1.1km  
 nr= 41 gap= 39 rms=0.82  
 Locality: Neszmély  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SRO	10.7	345	Pg	19:18:40.81			0.66
			Sg	18:41.94			-0.40
A338	32.8	0	Pg	19:18:44.71			1.17
			Sg	18:49.44			1.05
PKSG	36.6	175	Pg	19:18:44.29			0.10
			Sg	18:48.59			-0.95
CSKK	40.3	190	Pg	19:18:44.40			-0.41
			Sg	18:49.93			-0.72
BUD	57.0	117	Pg	19:18:47.19			-0.54
PENC	70.2	84	Pg	19:18:50.17			0.12
			Sg	18:59.49			-0.47
EGYH	83.7	246	Pg	19:18:52.95			0.52
			Sg	19:04.09			-0.11
MPLH	86.5	225	Pg	19:18:52.91			-0.01
			Sg	19:05.07			0.00
VYHS	93.3	23	Pg	19:18:53.90			-0.23
			Sg	19:04.66			-2.57
TIH	97.5	201	P*	19:18:54.64			-0.20
MODS	108.1	312	Pn	19:18:56.32			-0.05
			Sn	19:09.76			-1.46
PKB1	109.3	162	Pn	19:18:56.80			0.28
			Sn	19:09.79			-1.69
SMOL	111.8	322	Pn	19:18:56.99			0.16
			Sn	19:11.23			-0.81
PSZ	117.7	79	Pn	19:18:57.31			-0.26
			Sn	19:11.56			-1.79
PKB5	128.5	167	Sn	19:19:14.82			-0.92
PKB4	137.4	172	Pn	19:19:01.47			1.45
			Sn	19:18.38			0.66
PKSN	146.7	129	Sn	19:19:19.72			-0.07
RONA	154.2	269	Pn	19:19:02.00			-0.12

## Hypocenter Parameters

Station	Distance (km)	Azimuth	Phase	Time (hr:mn:sec)	Residual (res)
PKB3	157.7	156	Sn	19:19:23.43	1.19
MORH	168.7	172	Sn	19:19:25.78	1.11
PKSM	169.1	172	Pn	19:19:05.30	1.32
			Sn	19:24:7.77	0.00
KECS	180.2	62	ePn	19:19:06.90	1.53
KOVH	182.4	186	Sn	19:19:31.63	3.92*
CONA	187.8	277	Pn	19:19:06.54	0.23
			Sn	19:26:5.55	-2.36
PKSV	203.8	182	Sn	19:19:33.84	1.39
KRUC	207.9	316	Pn	19:19:08.68	-0.14

1572.

2020-12-01 time: 8:09:54.39 UTC ML= 1.2  
 lat: 47.098N lon: 18.038E h= 0.0 km  
 erh= 2.0km erz= 774km  
 nr= 13 gap=115 rms=0.64  
 Locality: Királyszentistván  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	17.9	359	Pg	8:09:56.51	-1.08
			Sg	09:59.17	-0.91
CSKK	33.9	30	Pg	8:10:00.68	0.23
			Sg	10:05.39	0.21
MPLH	38.7	282	Pg	8:10:01.84	0.54
			Sg	10:06.93	0.25
PKSG	42.2	39	Sg	8:10:08.77	0.97
MORH	108.5	155	Pg	8:10:14.32	0.55
			Sg	10:28.39	-0.49
PKSM	108.8	155	Pg	8:10:14.43	0.61
			Sg	10:28.49	-0.49
KOVH	112.4	178	Pg	8:10:14.26	-0.20
			Sg	10:28.89	-1.22

1573.

2020-12-01 time: 10:09:05.05 UTC ML= 1.4  
 lat: 48.589N lon: 20.717E h= 0.0 km  
 erh= 1.7km erz= 3.1km  
 nr= 9 gap=186 rms=0.40  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	20.8	235	Pg	10:09:09.09	0.33
			Sg	09:12.30	0.65
ABAH	50.6	130	Pg	10:09:14.33	0.25
			Sg	09:20.61	-0.51
PSZ	96.4	219	Pg	10:09:22.46	0.19
			Sg	09:35.09	-0.61
LANS	110.9	304	Pg	10:09:24.74	-0.11
			Sg	09:39.94	-0.36
VYHS	139.3	266	Sn	10:09:47.62	-0.87

1574.

2020-12-01 time: 10:29:37.42 UTC ML= 1.0  
 lat: 48.332N lon: 19.853E h= 0.0 km  
 erh= 3.1km erz= 858km  
 nr= 6 gap=147 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	46.1	176	Pg	10:29:45.93	0.29
			Sg	29:51.94	-0.12
KECS	49.8	70	Pg	10:29:46.85	0.55
			Sg	29:52.14	-1.10
PENC	73.7	215	Sg	10:30:00.44	-0.41
VYHS	77.4	283	Sg	10:30:01.76	-0.27

## Földrengés paraméterek

1575.

2020-12-01 time: 14:09:41.04 UTC ML= 1.7  
 lat: 47.520N lon: 16.353E h= 0.0 km  
 erh= 2.8km erz= 4.4km  
 nr= 13 gap=142 rms=0.96  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
RONA	20.4	348	PgU	14:09:45.08	0.39
			Sg	09:46.94	-0.59
CONA	58.5	321	Pg	14:09:52.26	0.78
			Sg	09:59.44	-0.19
WINA	68.6	342	Pg	14:09:54.31	1.02
			Sg	10:02.61	-0.23
ARSA	69.4	244	Sg	14:10:01.45	-1.67
MODS	117.4	36	Pg	14:10:03.11	1.11
			Sg	10:17.12	-1.23
PKST	130.2	103	Pg	14:10:04.67	0.37
			Sg	10:21.74	-0.70
SMOL	136.6	36	Sn	14:10:22.19	-1.68
KRUC	171.5	1	Sn	14:10:29.37	-2.25

1576.

2020-12-02 time: 3:42:50.63 UTC ML= 1.4  
 lat: 47.377N lon: 18.253E h= 10.4 km  
 erh= 2.2km erz= 1.7km  
 nr= 10 gap=118 rms=0.49  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	1.6	161	Pg	3:42:52.23	-0.28
			Sg	42:53.34	-0.64
PKSG	10.5	81	Pg	3:42:53.19	-0.08
			Sg	42:55.33	0.00
SRO	48.7	5	Sg	3:43:07.05	0.58
MPLH	58.7	247	Pg	3:43:01.30	0.02
			Sg	43:09.30	-0.28
PKB1	77.5	148	Pg	3:43:05.54	0.94
MORH	132.5	167	Sn	3:43:29.21	-0.97
PKSM	132.9	167	Sn	3:43:29.66	-0.61

1577.

2020-12-02 time: 8:36:24.38 UTC ML= 1.5  
 lat: 47.839N lon: 19.046E h= 0.0 km  
 erh= 3.8km erz= 4.2km  
 nr= 8 gap=148 rms=0.48  
 Locality: Verőce  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	18.4	107	Pg	8:36:27.69	0.02
			Sg	36:29.78	-0.46
PSZ	64.0	82	Sg	8:36:44.88	0.14
PKSG	70.0	225	Pg	8:36:37.39	0.51
			Sg	36:46.65	0.02
PKST	99.8	230	Sg	8:36:55.40	-0.70
MODS	144.6	294	Sn	8:37:08.33	-0.66
MORH	183.0	190	Sn	8:37:18.91	1.39

1578.

2020-12-02 time: 9:14:22.21 UTC ML= 1.0  
 lat: 46.143N lon: 18.027E h= 0.0 km  
 erh= 1.8km erz= 2.9km  
 nr= 9 gap=193 rms=0.37  
 Locality: Hetvehely  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
KOVH	8.3	137	Pg	9:14:23.80	0.11
			Sg	14:24.64	-0.21
PKSV	33.2	148	Pg	9:14:28.34	0.19
			Sg	14:31.88	-0.90
PKSM	48.0	81	Sg	9:14:37.44	-0.04
MORH	48.3	80	Pg	9:14:31.39	0.55
			Sg	14:37.32	-0.25
MPLH	120.1	342	Sg	9:15:00.27	-0.12
PKSG	141.5	11	Sn	9:15:05.62	-0.53

1579.

2020-12-02 time: 9:26:16.72 UTC ML= 1.5  
 lat: 48.589N lon: 20.757E h= 0.0 km  
 erh= 1.5km erz= 2.0km  
 nr= 9 gap=128 rms=0.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.2	240	Pg	9:26:21.23	0.26
			Sg	26:24.17	-0.11
ABAH	48.4	132	Pg	9:26:25.48	0.08
			Sg	26:31.85	-0.33
PSZ	98.3	221	Sg	9:26:47.87	-0.14
LANS	113.3	303	Pg	9:26:36.67	-0.31
KOLS	117.9	71	Sg	9:26:54.15	-0.07
VYHS	142.2	266	Pn	9:26:41.54	0.70
			Sn	26:59.22	-0.44

1580.

2020-12-02 time: 10:25:54.72 UTC ML= 0.7  
 lat: 47.201N lon: 18.284E h= 0.0 km  
 erh= 2.6km erz= 5.2km  
 nr= 9 gap=145 rms=0.70  
 Locality: Csór  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.1	354	Pg	10:25:58.35	0.40
			Sg	26:00.24	-0.24
PKST	20.0	289	Sg	10:26:01.42	0.36
PKSG	22.7	21	Pg	10:25:59.12	0.34
			Sg	26:01.84	-0.10
PKS9	68.3	180	Sg	10:26:17.55	1.13
PKSM	113.3	166	Sg	10:26:29.96	-0.78
KOVH	124.5	186	Sg	10:26:33.10	-1.19
VYHS	149.6	16	Sn	10:26:38.77	-1.67

1581.

2020-12-02 time: 10:59:32.91 UTC ML= 1.8  
 lat: 48.695N lon: 19.939E h= 0.0 km  
 erh= 3.0km erz= 911km  
 nr= 8 gap=149 rms=0.64  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.7	120	Sg	10:59:46.63	-1.13
LANS	61.3	326	Pg	10:59:44.12	0.27
			Sg	59:52.21	-0.18
VYHS	84.4	255	Sg	10:59:58.18	-1.54
PSZ	86.4	182	Pg	10:59:49.10	0.76
			Sg	11:00:00.54	0.15
ABAH	105.9	115	Pg	10:59:52.06	0.24
			Sg	11:00:06.16	-0.40

1582.

2020-12-02 time: 11:49:41.26 UTC ML= 1.9  
 lat: 46.916N lon: 17.324E h= 0.0 km  
 erh= 3.3km erz= 5.4km  
 nr= 11 gap=140 rms=0.77  
 Locality: Sümegprága  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	32.7	30	Pg	11:49:46.05	-1.04
			Sg	49:52.10	0.46
PKST	66.0	55	Pg	11:49:53.22	0.16
			Sg	50:02.79	0.53
CSKK	86.7	55	Sg	11:50:08.53	-0.29
PKSG	96.6	57	Sg	11:50:12.61	0.63
KOGS	97.2	238	Sg	11:50:11.29	-0.88
KOVH	109.6	147	Sg	11:50:14.55	-1.54
PKSM	127.8	128	Pg	11:50:04.47	0.39
GROS	148.3	250	Pn	11:50:07.93	1.14
			Sn	50:26.25	-0.45

1583.

2020-12-02 time: 13:15:33.56 UTC ML= 1.5  
 lat: 47.643N lon: 20.347E h= 0.0 km  
 erh= 3.1km erz= 486km  
 nr= 6 gap=239 rms=0.28  
 Locality: Tenk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	45.7	312	Pg	13:15:42.03	0.31
			Sg	15:47.76	-0.32
PENC	81.6	282	Sg	13:15:59.22	-0.29
KECS	93.9	6	Sg	13:16:03.64	0.22
ABAH	98.5	43	Pg	13:15:51.25	0.10
			Sg	16:04.41	-0.46

1584.

2020-12-02 time: 14:18:42.26 UTC ML= 0.9  
 lat: 47.844N lon: 16.040E h= 0.0 km  
 erh= 1.1km erz= 379km  
 nr= 8 gap= 95 rms=0.27  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	16.3	305	Pg	14:18:45.21	0.03
			Sg	18:47.56	0.11
RONA	25.0	130	Pg	14:18:46.71	-0.02
			Sg	18:50.53	0.32
WINA	29.4	5	Pg	14:18:47.93	0.41
			Sg	18:51.21	-0.40
ARSA	76.6	211	Sg	14:19:06.29	-0.31
MODS	109.4	57	Sg	14:19:16.63	-0.40

1585.

2020-12-03 time: 9:18:07.57 UTC ML= 1.6  
 lat: 47.086N lon: 18.003E h= 0.0 km  
 erh= 1.3km erz= 1.9km  
 nr= 15 gap=109 rms=0.53  
 Locality: Litér  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	36.4	32	Sg	9:18:19.28	0.13
MPLH	36.4	285	Pg	9:18:14.35	0.28
			Sg	18:19.08	-0.07
PKSG	44.9	41	Pg	9:18:15.26	-0.32
			Sg	18:21.79	-0.04
MORH	108.5	153	Pg	9:18:27.37	0.43

## Hypocenter Parameters

		Sg	18:42.03	-0.02	
PKSM	108.8	153	Pg	9:18:27.37	0.37
		Sg	18:41.27	-0.88	
KOVH	111.2	176	Pg	9:18:28.22	0.80
		Sg	18:42.38	-0.53	
PKSV	134.5	172	Sn	9:18:48.55	-1.39
MODS	153.2	339	Sn	9:18:50.51	-3.57*
VYHS	168.5	22	Sn	9:18:57.19	-0.30
PSZ	169.9	57	Sn	9:18:57.39	-0.40

1586.

2020-12-03 time: 9:31:41.77 UTC ML= 1.8  
 lat: 48.774N lon: 20.025E h= 0.0 km  
 erh= 8.6km erz=14.7km  
 nr= 8 gap=126 rms=1.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.9	134	ePg	9:31:48.50	-1.64
			eSg	31:54.30	-2.36
VYHS	93.0	250	Pg	9:32:00.15	1.78
			Sg	32:10.57	-0.75
PSZ	95.6	186	Sg	9:32:11.30	-0.85
ABAH	104.2	121	Pg	9:32:02.07	1.69
			Sg	32:13.89	-1.01
OJC	161.6	354	Sn	9:32:29.52	-0.64

1587.

2020-12-03 time: 9:45:09.73 UTC ML= 1.5  
 lat: 48.600N lon: 20.754E h= 0.0 km  
 erh= 4.6km erz= 6.1km  
 nr= 9 gap=166 rms=0.80  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.7	237	Pg	9:45:14.06	0.10
			Sg	45:17.56	0.29
ABAH	49.3	133	Pg	9:45:18.63	0.10
			Sg	45:24.46	-0.94
PSZ	99.1	220	Pg	9:45:28.81	1.38
			Sg	45:40.12	-1.11
KOLS	117.6	72	Sg	9:45:46.70	-0.42
VYHS	142.1	265	Pn	9:45:34.65	0.17
			Sn	45:52.02	-1.77

1588.

2020-12-03 time: 10:10:15.29 UTC ML= 1.3  
 lat: 48.482N lon: 19.569E h= 0.0 km  
 erh= 4.0km erz= 953km  
 nr= 7 gap=179 rms=0.63  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	54.2	271	Pg	10:10:25.10	0.14
			Sg	10:31.82	-0.68
PSZ	67.2	159	Pg	10:10:27.85	0.55
			Sg	10:35.99	-0.67
KECS	67.8	90	Pg	10:10:27.95	0.55
			Sg	10:36.55	-0.29
ABAH	125.5	100	Sg	10:10:53.45	-1.72

## Földrengés paraméterek

1589.

2020-12-03 time: 10:49:25.41 UTC ML= 1.4  
 lat: 48.791N lon: 21.230E h= 0.0 km  
 erh= 3.8km erz= 4.1km  
 nr= 7 gap=179 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	55.0	179	Sg	10:49:43.64	0.74
KECS	64.7	238	Pg	10:49:37.50	0.54
			Sg	49:45.03	-0.93
KOLS	78.2	78	Sg	10:49:50.29	0.04
TRPA	121.5	127	Sg	10:50:03.23	-0.80
PSZ	138.6	226	Sn	10:50:08.32	-0.37
VYHS	179.5	259	Sn	10:50:17.79	0.02

1590.

2020-12-03 time: 12:13:46.29 UTC ML= 1.6  
 lat: 46.098N lon: 21.710E h= 0.0 km  
 erh= 3.0km erz= 554km  
 nr= 5 gap=161 rms=0.25  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SIRR	19.2	348	Pg	12:13:49.79	0.07
			Sg	13:52.28	-0.12
BZS	54.0	188	Pg	12:13:56.23	0.30
			Sg	14:02.96	-0.49
DRGR	108.9	45	Sg	12:14:20.73	-0.19

1591.

2020-12-04 time: 9:25:57.89 UTC ML= 1.1  
 lat: 47.207N lon: 18.294E h= 0.0 km  
 erh= 2.0km erz= 2.0km  
 nr= 9 gap=165 rms=0.38  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.6	352	Pg	9:26:01.28	0.25
			Sg	26:03.11	-0.37
PKSG	21.8	20	Pg	9:26:02.16	0.37
			Sg	26:04.84	0.00
MORH	113.4	166	Sg	9:26:34.04	0.11
PKSM	113.7	166	Sg	9:26:34.04	-0.01
KOVH	125.2	187	Sg	9:26:37.46	-0.23
PSZ	144.1	57	Sn	9:26:41.77	-0.63
VYHS	148.8	16	Sn	9:26:41.57	-1.86

1592.

2020-12-04 time: 10:14:36.16 UTC ML= 1.1  
 lat: 47.916N lon: 20.113E h= 0.0 km  
 erh= 7.1km erz= 3.8km  
 nr= 5 gap=222 rms=0.49  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	16.3	271	Pg	10:14:39.26	0.19
			Sg	14:42.10	0.75
PENC	63.7	257	Sg	10:14:56.28	-0.14
KECS	68.9	24	Sg	10:14:57.94	-0.13
PKSG	141.9	246	Sn	10:15:19.23	-0.94

## Földrengés paraméterek

## Hypocenter Parameters

1593.  


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 2020-12-04 time: 11:01:39.99 UTC ML= 0.7  
 lat: 48.130N lon: 18.943E h= 0.0 km  
 erh= 2.9km erz= 5.5km  
 nr= 13 gap= 75 rms=1.12  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	41.2	349	Pg	11:01:49.00	1.65
			Sg	01:53.33	0.24
PENC	45.5	146	Sg	11:01:54.74	0.30
A338	45.8	254	Sg	11:01:55.93	1.38
SRO	58.7	233	Sg	11:01:59.28	0.62
PKSG	91.9	207	Sg	11:02:08.92	-0.29
CSKK	99.4	211	Sg	11:02:11.40	-0.20
PKST	118.5	215	Sg	11:02:16.00	-1.64
LANS	119.9	19	Sg	11:02:17.35	-0.75
KECS	121.0	71	Sg	11:02:17.22	-1.24
MODS	126.6	282	Sg	11:02:18.16	-2.07
EGYH	144.4	237	Sn	11:02:24.79	0.22
MORC	209.9	331	Sn	11:02:37.81	-1.28

1594.  


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 2020-12-04 time: 12:46:50.31 UTC ML= 2.0  
 lat: 48.801N lon: 21.669E h= 0.0 km  
 erh= 1.6km erz= 2.1km  
 nr= 12 gap= 80 rms=0.45  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KOLS	46.7	72	Pg	12:46:59.19	0.54
			Sg	47:05.42	0.27
ABAH	64.5	209	Pg	12:47:02.20	0.38
			Sg	47:10.84	0.03
KECS	94.1	248	Pg	12:47:06.71	-0.40
			Sg	47:19.48	-0.74
TRPA	98.5	139	Pg	12:47:07.63	-0.27
			Sg	47:21.48	-0.13
KWP	119.4	39	Sg	12:47:27.91	-0.35
PSZ	164.1	233	Sn	12:47:39.56	0.31
LANS	165.8	284	Sn	12:47:40.46	0.83
OJC	208.0	319	Sn	12:47:48.30	-0.69

1595.  


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 2020-12-06 time: 14:02:18.11 UTC ML= 0.3  
 lat: 47.352N lon: 18.159E h= 3.7 km  
 erh= 7.4km erz= 5.1km  
 nr= 6 gap=214 rms=0.15  
 Locality: Nagyveleg  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.8	81	Pg	14:02:19.40	-0.25
			Sg	02:20.92	0.07
PKST	14.0	222	Pg	14:02:20.67	-0.03
			Sg	02:22.79	0.06
PKSG	18.0	76	Pg	14:02:21.59	0.19
			Sg	02:24.00	0.03

1596.  


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 2020-12-06 time: 19:30:23.53 UTC ML= 2.1  
 lat: 45.576N lon: 18.275E h= 9.2 km  
 erh= 5.4km erz= 3.6km  
 nr= 11 gap=201 rms=0.70  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	34.8	357	Sg	19:30:34.48	-0.50
PKSM	76.2	22	Pg	19:30:37.53	0.29
			Sg	30:47.10	-0.83
MORH	76.7	22	Pg	19:30:37.62	0.29
			Sg	30:47.41	-0.68
PKB4	105.5	14	Sg	19:30:57.60	0.42
PKB5	118.8	17	Sn	19:31:00.21	-0.10
BLY	125.7	223	Pn	19:30:45.32	0.27
			Sn	31:00.22	-1.62
KOGS	184.4	302	Pn	19:30:54.07	1.70
			Sn	31:14.35	-0.51

1597.  


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 2020-12-07 time: 7:50:34.69 UTC ML= 1.3  
 lat: 45.854N lon: 18.409E h= 0.0 km  
 erh= 0.6km erz= 107km  
 nr= 9 gap=263 rms=0.08  
 Locality: Nagyharsány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	12.7	288	Pg	7:50:36.92	-0.04
			Sg	50:38.63	-0.11
KOVH	35.4	317	Pg	7:50:41.08	0.08
			Sg	50:46.01	0.08
PKSM	43.7	24	PgU	7:50:42.55	0.07
			Sg	50:48.52	-0.05
MORH	44.2	24	PgU	7:50:42.58	0.01
			Sg	50:48.78	0.06
PKB4	73.0	12	Sg	7:50:57.68	-0.20

1598.  


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 2020-12-07 time: 8:52:46.18 UTC ML= 1.8  
 lat: 48.778N lon: 16.237E h= 0.0 km  
 erh= 4.7km erz= 2.9km  
 nr= 11 gap=145 rms=0.65  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KRUC	33.7	20	Pg	8:52:52.62	0.43
			Sg	52:56.48	-0.40
CONA	98.5	196	Pg	8:53:04.04	0.27
			Sg	53:16.55	-0.93
RONA	120.0	178	Pg	8:53:08.49	0.88
			Sg	53:23.22	-1.10
MORC	146.2	41	Pn	8:53:11.36	-0.09
			Sn	53:29.79	-1.36
ARSA	178.0	197	Sn	8:53:38.52	0.31
MOA	179.0	235	Pn	8:53:15.99	0.46
			Sn	53:37.75	-0.67

1599.  


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 2020-12-07 time: 9:21:34.47 UTC ML= 1.2  
 lat: 47.535N lon: 18.496E h= 0.0 km  
 erh= 2.4km erz= 3.7km  
 nr= 11 gap=145 rms=1.02  
 Locality: Szárliget  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	17.8	206	Pg	9:21:37.91	0.27
			Sg	21:40.71	0.60
CSKK	26.0	223	Pg	9:21:39.40	0.28
			Sg	21:43.26	0.51
BUD	40.2	98	Sg	9:21:48.49	1.24
PKST	46.4	229	Pg	9:21:42.90	0.15
			Sg	21:48.65	-0.57
VYHS	109.6	13	Pg	9:21:54.69	0.64
			Sg	22:07.34	-1.98
MORH	147.1	176	Sn	9:22:16.83	-2.80

## Hypocenter Parameters

PKSM 147.5 176 Sn 9:22:16.98 -2.75

1600.

2020-12-07 time: 9:26:12.32 UTC ML= 0.8  
 lat: 48.508N lon: 17.489E h= 0.0 km  
 erh= 5.0km erz= \*\*\*km  
 nr= 6 gap=173 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	4.5	278	Pg	9:26:12.81	-0.31
			Sg	26:13.60	-0.14
MODS	21.7	226	Pg	9:26:16.34	0.15
			Sg	26:20.06	0.86
A339	76.5	171	Sg	9:26:34.87	-1.78
VYHS	99.6	91	Sg	9:26:44.84	0.86

1601.

2020-12-07 time: 9:53:08.69 UTC ML= 1.4  
 lat: 48.604N lon: 20.750E h= 0.0 km  
 erh= 4.2km erz= 5.6km  
 nr= 7 gap=167 rms=0.62  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.7	236	Pg	9:53:13.69	0.77
			Sg	53:16.48	0.26
ABAH	49.8	133	Pg	9:53:17.73	0.14
			Sg	53:24.61	0.08
PSZ	99.2	220	Sg	9:53:39.07	-1.15
KOLS	117.8	72	Sg	9:53:45.66	-0.49
VYHS	141.8	265	Sn	9:53:51.74	-0.95

1602.

2020-12-07 time: 13:21:21.89 UTC ML= 1.5  
 lat: 48.275N lon: 19.844E h= 0.0 km  
 erh= 2.4km erz= 913km  
 nr= 10 gap= 86 rms=0.71  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	39.8	175	Pg	13:21:28.94	-0.05
			Sg	21:34.16	-0.37
KECS	52.9	64	Pg	13:21:31.88	0.55
			Sg	21:39.51	0.82
PENC	68.2	218	Sg	13:21:43.90	0.33
VYHS	78.6	288	Pg	13:21:36.47	0.56
			Sg	21:46.06	-0.79
LANS	101.3	344	Pg	13:21:40.13	0.16
			Sg	21:52.48	-1.60
ABAH	103.6	89	Sg	13:21:53.09	-1.72

1603.

2020-12-07 time: 14:36:05.18 UTC ML= 1.1  
 lat: 47.865N lon: 16.251E h= 15.0 km  
 erh= 1.9km erz= 1.5km  
 nr= 13 gap= 78 rms=0.55  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	18.7	169	Pg	14:36:09.70	0.24
			Sg	36:12.20	-0.60
CONA	29.9	284	Pg	14:36:11.12	-0.04
			Sg	36:15.40	-0.43
WINA	30.1	334	Pg	14:36:11.87	0.69
			Sg	36:15.54	-0.33

## Földrengés paraméterek

SOP 30.6 131 Pg 14:36:11.78 0.51  
 Sg 36:15.50 -0.53  
 ARSA 87.5 219 P\* 14:36:20.95 0.12  
 S\* 36:31.92 -1.12  
 MODS 95.1 53 S\* 14:36:33.91 -1.19  
 KRUC 133.6 5 Pn 14:36:27.69 0.74  
 Sn 36:43.81 -0.11

1604.

2020-12-08 time: 4:25:09.04 UTC ML= 1.2  
 lat: 45.746N lon: 17.997E h= 8.4 km  
 erh= 4.3km erz= 2.8km  
 nr= 13 gap=162 rms=0.60  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	25.4	51	Pg	4:25:14.59	0.78
			Sg	25:17.56	0.02
KOVH	38.9	12	Pg	4:25:15.88	-0.26
			Sg	25:20.85	-0.83
PKSM	71.9	44	Pg	4:25:21.92	-0.05
			Sg	25:31.03	-1.03
MORH	72.4	44	Pg	4:25:22.12	0.07
			Sg	25:31.00	-1.20
PKB4	95.7	29	Sg	4:25:39.69	0.12
PKS9	96.0	13	Pg	4:25:26.75	0.51
PKB3	119.4	51	Pn	4:25:30.57	0.69
BLY	127.9	210	Sn	4:25:46.90	-1.13
PKB1	130.7	28	Sn	4:25:48.87	0.23

1605.

2020-12-08 time: 8:02:03.38 UTC ML= 1.4  
 lat: 48.813N lon: 19.404E h= 0.0 km  
 erh= 3.0km erz= 7.0km  
 nr= 10 gap=137 rms=0.88  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
LANS	37.8	7	Pg	8:02:10.13	0.00
			Sg	02:14.84	-0.56
VYHS	54.8	230	Pg	8:02:13.41	0.24
			Sg	02:20.84	0.03
KECS	87.8	115	Pg	8:02:19.93	0.88
			Sg	02:30.02	-1.26
PSZ	105.9	160	Pg	8:02:23.60	1.30
			Sg	02:35.95	-1.10
PENC	114.1	185	Sg	8:02:38.89	-0.75
ABAH	147.2	113	Sn	8:02:46.72	-1.85

1606.

2020-12-08 time: 8:43:06.46 UTC ML= 1.7  
 lat: 48.977N lon: 18.294E h= 0.0 km  
 erh= 2.6km erz= 3.2km  
 nr= 11 gap=100 rms=0.73  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	66.9	143	Pg	8:43:17.58	-0.83
			Sg	43:26.49	-1.24
LANS	88.0	77	ePg	8:43:23.40	1.23
			eSg	43:35.60	1.18
MODS	100.5	228	Pg	8:43:24.86	0.45
			Sg	43:38.16	-0.25
MORC	104.3	328	Pg	8:43:25.17	0.07
			Sg	43:38.75	-0.88
PSZ	167.0	135	Sn	8:43:56.82	0.77
KECS	170.4	109	Sn	8:43:56.87	0.07
OJC	175.9	38	Sn	8:43:57.78	-0.24



## Földrengés paraméterek

## Hypocenter Parameters

1607.

2020-12-08 time: 9:11:32.36 UTC ML= 1.3  
 lat: 48.461N lon: 18.704E h= 0.0 km  
 erh= 2.3km erz= 3.2km  
 nr= 10 gap= 66 rms=0.75  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	10.5	70	PgU	9:11:34.86	0.63
			Sg	11:36.13	0.44
PENC	86.1	150	Sg	9:11:59.69	-0.04
LANS	95.0	36	eSg	9:12:03.10	0.54
MODS	106.0	265	eSg	9:12:06.10	0.03
PSZ	107.2	124	Pg	9:11:51.25	-0.25
PKSG	121.2	191	Sg	9:12:10.58	-0.30
KECS	131.8	89	Sn	9:12:11.85	-2.28
PKST	142.7	201	Sn	9:12:17.14	0.58
MORC	169.1	330	Sn	9:12:20.41	-2.00

1608.

2020-12-08 time: 9:19:26.73 UTC ML= 1.5  
 lat: 47.325N lon: 18.425E h= 0.0 km  
 erh= 0.9km erz= 2.0km  
 nr= 9 gap=113 rms=0.29  
 Locality: Zámoly  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.9	341	PgU	9:19:28.05	-0.09
			Sg	19:28.75	-0.49
CSKK	13.1	289	Pg	9:19:29.43	0.36
			Sg	19:30.84	-0.06
PKST	30.4	256	Sg	9:19:36.52	0.12
MORH	124.4	172	Sg	9:20:06.06	-0.21
PKSM	124.8	172	Sg	9:20:06.67	0.27
PSZ	128.7	59	Sg	9:20:07.89	0.25
KOVH	139.7	190	Sn	9:20:09.67	-0.58

1609.

2020-12-08 time: 9:39:36.93 UTC ML= 1.8  
 lat: 48.237N lon: 21.291E h= 0.0 km  
 erh= 2.4km erz= 3.6km  
 nr= 11 gap=154 rms=0.62  
 Locality: Tállya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	7.6	330	PgU	9:39:38.90	0.61
			Sg	39:39.78	0.43
KECS	65.7	295	Pg	9:39:48.94	0.29
			Sg	39:56.77	-1.03
TRPA	93.6	97	Pg	9:39:54.33	0.70
			Sg	40:05.88	-0.79
KOLS	106.1	43	Pg	9:39:55.55	-0.31
PSZ	109.9	251	Pg	9:39:56.82	0.27
			Sg	40:10.72	-1.14
VYHS	184.1	279	Sn	9:40:29.65	-0.66
KWP	186.6	34	Sn	9:40:29.95	-0.91

1610.

2020-12-08 time: 10:52:28.61 UTC ML= 1.9  
 lat: 46.790N lon: 17.322E h= 0.0 km  
 erh= 2.1km erz= 6.3km  
 nr= 14 gap=103 rms=0.75  
 Locality: Keszthely  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	45.4	21	Pg	10:52:36.53	-0.19

			Sg	52:42.34	-0.71
KOGS	90.4	245	Pg	10:52:45.34	0.58
			Sg	52:57.15	-0.20
CSKK	95.6	48	Pg	10:52:46.31	0.62
			Sg	53:00.05	1.04
KOVH	98.3	143	Pg	10:52:46.56	0.40
			Sg	53:00.40	0.56
PKSG	105.2	50	Sg	10:53:01.88	-0.17
MORH	119.9	122	Pg	10:52:50.28	0.26
			Sg	53:04.93	-1.79
PKSM	119.9	122	Sg	10:53:04.93	-1.81
ARSA	146.0	291	Pn	10:52:53.43	-0.42
			Sn	53:10.17	-3.37

1611.

2020-12-08 time: 14:01:57.08 UTC ML= 2.0  
 lat: 47.051N lon: 19.445E h= 0.0 km  
 erh= 5.0km erz= 548km  
 nr= 5 gap=221 rms=0.27  
 Locality: Ladánybene  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	21.6	269	Pg	14:02:00.70	-0.24
			Sg	02:03.52	-0.42
PENC	83.1	351	Pg	14:02:12.23	0.31
PSZ	102.2	19	Pg	14:02:15.18	-0.15
PKS9	102.9	240	Pg	14:02:15.74	0.29

1612.

2020-12-08 time: 14:16:26.79 UTC ML= 1.7  
 lat: 47.065N lon: 19.421E h= 0.0 km  
 erh= 2.8km erz= 422km  
 nr= 5 gap=192 rms=0.19  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	19.9	264	Pg	14:16:30.22	-0.13
			Sg	16:33.06	-0.06
PENC	81.3	353	Pg	14:16:41.61	0.29
PSZ	101.4	21	Pg	14:16:44.67	-0.22
PKSM	112.1	212	Pg	14:16:46.92	0.11

1613.

2020-12-08 time: 14:28:57.44 UTC ML= 1.6  
 lat: 47.063N lon: 19.423E h= 0.0 km  
 erh= 4.6km erz= 896km  
 nr= 7 gap=192 rms=0.59  
 Locality: Tatárszentgyörgy  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKS7	20.0	265	Pg	14:29:00.96	-0.04
			Sg	29:04.02	0.24
PSZ	101.5	21	Pg	14:29:15.27	-0.30
MORH	111.5	212	Pg	14:29:17.97	0.63
			Sg	29:30.89	-1.97
PKSM	111.9	212	Pg	14:29:17.86	0.43
			Sg	29:32.24	-0.78

1614.

2020-12-09 time: 9:50:26.18 UTC ML= 1.3  
 lat: 48.657N lon: 20.760E h= 0.0 km  
 erh= 3.5km erz= 3.5km  
 nr= 8 gap=172 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

## Hypocenter Parameters

## Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KECS	28.0	226	Pg	9:50:31.99	0.81
			Sg	50:35.63	0.55
ABAH	53.6	139	Sg	9:50:43.21	-0.01
PSZ	104.3	218	Pg	9:50:45.04	0.24
			Sg	50:58.17	-1.15
KOLS	115.4	75	Sg	9:51:02.84	-0.01
VYHS	143.1	263	Sn	9:51:09.77	-0.69
TRPA	144.2	114	Sn	9:51:08.71	-2.00

1615.

2020-12-09 time: 11:00:50.40 UTC ML= 1.8  
 lat: 48.145N lon: 16.917E h= 0.0 km  
 erh= 2.4km erz= 3.0km  
 nr= 15 gap= 82 rms=0.78  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MODS	36.9	46	Pg	11:00:57.25	0.26
			Sg	01:01.99	-0.14
WINA	63.0	266	Pg	11:01:03.29	1.65
			Sg	01:09.59	-0.82
RONA	67.9	223	Pg	11:01:02.85	0.33
			Sg	01:11.61	-0.37
CONA	82.3	253	Pg	11:01:05.30	0.20
			Sg	01:15.78	-0.79
KRUC	108.9	339	Sg	11:01:23.82	-1.21
MPLH	118.1	157	Sg	11:01:26.87	-1.06
ARSA	144.4	226	Pn	11:01:15.98	0.54
			Sn	01:33.90	-1.06
VYHS	147.5	75	Sn	11:01:35.30	-0.36
MORC	187.1	14	Sn	11:01:44.36	-0.10
BIOA	250.2	258	Pn	11:01:30.60	1.97
			Sn	02:03.50	5.05*

1616.

2020-12-09 time: 13:01:50.53 UTC ML= 1.4  
 lat: 47.862N lon: 16.044E h= 0.0 km  
 erh= 1.5km erz= 3.4km  
 nr= 9 gap= 89 rms=0.58  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.5	299	Pg	13:01:53.80	0.51
			Sg	01:55.86	0.41
RONA	26.1	134	PgU	13:01:55.43	0.24
			Sg	01:59.40	0.57
ARSA	78.4	210	Sg	13:02:14.56	-0.90
MODS	108.1	58	Sg	13:02:24.95	0.07
EGYH	108.7	117	Sg	13:02:24.84	-0.23
KRUC	136.0	11	Pn	13:02:13.95	-0.56
			Sn	02:30.80	-2.42

1617.

2020-12-10 time: 8:25:33.97 UTC ML= 1.5  
 lat: 45.666N lon: 18.015E h= 5.9 km  
 erh= 7.3km erz= 4.4km  
 nr= 13 gap=174 rms=0.85  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	30.8	37	PgD	8:25:40.28	0.70
			Sg	25:44.11	0.17
KOVH	47.4	8	PgD	8:25:42.68	0.18
			Sg	25:47.98	-1.16
PKSM	77.7	39	PgD	8:25:47.95	0.06
			Sg	25:57.26	-1.48
MORH	78.2	39	Pg	8:25:47.86	-0.11
			Sg	25:57.31	-1.58

PKB4	102.9	26	Pg	8:25:53.29	0.91
KECS	28.0	226	Sg	26:06.04	-0.69
			Sn	8:26:10.61	-1.42
BLY	121.1	213	Sn	8:26:10.61	-1.42
PKB1	138.0	26	Pn	8:25:58.76	1.30
			Sn	26:15.81	0.03

1618.

2020-12-10 time: 9:05:58.43 UTC ML= 1.0  
 lat: 48.537N lon: 18.575E h= 0.0 km  
 erh= 2.5km erz= 5.1km  
 nr= 10 gap=136 rms=0.76  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	19.9	104	Pg	9:06:03.16	1.18
			Sg	06:05.34	0.59
SMOL	84.7	268	Sg	9:06:24.74	-0.61
LANS	94.6	44	Sg	9:06:27.95	-0.54
MODS	97.7	259	Sg	9:06:29.93	0.45
PENC	98.3	148	Sg	9:06:29.42	-0.24
PSZ	119.8	125	Pg	9:06:20.06	0.24
			Sg	06:35.32	-1.18
PKSG	128.1	186	Sg	9:06:38.68	-0.46
KECS	141.3	92	Sn	9:06:41.07	-1.24

1619.

2020-12-10 time: 10:51:11.77 UTC ML= 1.6  
 lat: 48.497N lon: 17.363E h= 0.0 km  
 erh= 0.5km erz= 137km  
 nr= 8 gap=136 rms=0.10  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	5.2	69	PgU	10:51:12.60	-0.11
			Sg	51:13.52	0.08
MODS	15.1	205	Pg	10:51:14.48	0.01
			Sg	51:16.79	0.22
KRUC	94.9	311	Sg	10:51:42.02	0.08
RONA	119.0	222	Pg	10:51:32.94	-0.09
			Sg	51:49.55	-0.05
CONA	128.2	240	Sg	10:51:52.54	0.01

1620.

2020-12-10 time: 11:49:24.47 UTC ML= 1.5  
 lat: 45.582N lon: 17.293E h= 10.9 km  
 erh= 2.5km erz= 1.1km  
 nr= 11 gap=215 rms=0.27  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	82.1	65	Pg	11:49:39.29	0.03
			Sg	49:51.08	0.29
KOVH	84.3	48	Pg	11:49:39.28	-0.36
			Sg	49:51.78	0.30
KOGS	125.7	320	Sn	11:50:02.30	-0.11
PKSM	125.9	56	Pn	11:49:45.92	0.10
			Sn	50:02.17	-0.30
MORH	126.4	56	Pn	11:49:45.97	0.10
			Sn	50:02.20	-0.37
PKB4	143.6	45	Sn	11:50:07.75	1.35
CRES	145.5	281	Sn	11:50:07.17	0.34

## Földrengés paraméterek

## Hypocenter Parameters

1621.

2020-12-10 time: 12:36:53.62 UTC ML= 1.6  
 lat: 48.783N lon: 21.211E h= 0.0 km  
 erh= 6.2km erz= 5.9km  
 nr= 7 gap=248 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ABAH	54.2	178	Pg	12:37:03.93	0.64
			Sg	37:11.39	0.56
KECS	63.0	238	Pg	12:37:05.19	0.33
			Sg	37:12.52	-1.12
TRPA	122.1	126	Pg	12:37:15.24	-0.18
			Sg	37:31.01	-1.42
PSZ	137.0	225	Sn	12:37:36.37	-0.17

1622.

2020-12-11 time: 5:27:32.36 UTC ML= 1.5  
 lat: 48.092N lon: 16.114E h= 12.2 km  
 erh= 3.2km erz= 2.0km  
 nr= 14 gap= 93 rms=0.89  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
WINA	3.5	299	Pg	5:27:34.38	-0.24
			Sg	27:35.29	-1.09
CONA	26.2	226	Pg	5:27:37.51	-0.01
			Sg	27:40.79	-0.75
RONA	45.7	163	Pg	5:27:41.50	0.69
			Sg	27:46.74	-0.66
MODS	91.9	70	Pg	5:27:49.63	0.71
			Sg	28:02.06	0.22
ARSA	103.5	205	S*	5:28:02.61	-2.43
KRUC	109.8	11	Pn	5:27:51.69	0.15
			Sn	28:04.74	-1.75
MOA	140.6	259	Pn	5:27:56.82	1.45
			Sn	28:13.27	-0.05
BIOA	190.4	256	Sn	5:28:26.06	1.68

1623.

2020-12-11 time: 10:22:42.49 UTC ML= 1.2  
 lat: 47.957N lon: 20.430E h= 0.0 km  
 erh= 1.8km erz= 295km  
 nr= 5 gap=206 rms=0.13  
 Locality: Felsőtárkány  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	40.3	264	Pg	10:22:49.58	-0.10
			Sg	22:55.58	0.29
KECS	58.6	4	Pg	10:22:52.83	-0.13
			Sg	23:01.15	0.02
ABAH	71.1	58	Pg	10:22:55.28	0.10

1624.

2020-12-11 time: 10:54:20.37 UTC ML= 1.0  
 lat: 48.470N lon: 19.560E h= 0.0 km  
 erh= 5.1km erz= \*\*\*km  
 nr= 5 gap=176 rms=0.46  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	53.6	273	Pg	10:54:30.26	0.32
			Sg	54:36.71	-0.70
PSZ	66.2	158	Pg	10:54:32.66	0.46
			Sg	54:40.92	-0.50
KECS	68.5	89	Sg	10:54:41.73	-0.40

1625.

2020-12-11 time: 10:55:26.96 UTC ML= 1.2  
 lat: 48.485N lon: 19.561E h= 0.0 km  
 erh= 2.5km erz= 744km  
 nr= 7 gap=113 rms=0.50  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	53.6	271	Pg	10:55:36.92	0.40
			Sg	55:43.72	-0.27
PSZ	67.7	159	Pg	10:55:39.49	0.45
			Sg	55:47.45	-1.02
KECS	68.4	90	Pg	10:55:39.44	0.28
			Sg	55:48.05	-0.64
LANS	74.4	355	Sg	10:55:50.07	-0.52

1626.

2020-12-11 time: 10:59:53.69 UTC ML= 1.5  
 lat: 48.197N lon: 16.893E h= 0.0 km  
 erh= 0.7km erz= 193km  
 nr= 7 gap=158 rms=0.13  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	15.6	90	ePg	10:59:56.40	-0.07
			eSg	59:58.80	0.16
MODS	34.6	55	Pg	10:59:59.97	0.10
			Sg	11:00:04.28	-0.42
CONA	82.5	249	Pg	10:60:08.38	-0.04
			Sg	60:19.90	-0.01
KRUC	102.9	339	Sg	10:60:26.53	0.12

1627.

2020-12-11 time: 11:09:09.10 UTC ML= 1.2  
 lat: 47.444N lon: 18.708E h= 0.0 km  
 erh= 2.1km erz= 3.0km  
 nr= 10 gap=108 rms=0.85  
 Locality: Etyek  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PBUD	23.1	84	Sg	11:09:18.05	1.61
BUD	24.2	80	Sg	11:09:16.66	-0.14
PKSG	24.6	256	Pg	11:09:13.55	0.05
			Sg	09:17.74	0.81
CSKK	35.0	255	Pg	11:09:15.51	0.17
			Sg	09:20.78	0.57
PSZ	103.5	59	Sg	11:09:42.22	0.21
VYHS	117.1	5	Sg	11:09:45.08	-1.24
MORH	136.7	182	Sn	11:09:50.36	-1.59
PKSM	137.1	182	Sn	11:09:50.57	-1.48

1628.

2020-12-11 time: 11:34:25.04 UTC ML= 1.1  
 lat: 47.933N lon: 20.128E h= 0.0 km  
 erh= 1.8km erz= 2.1km  
 nr= 6 gap=181 rms=0.57  
 Locality: Recsk  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	17.6	265	Pg	11:34:28.71	0.53
			Sg	34:30.82	0.20
PENC	65.3	256	Sg	11:34:46.08	0.28
ABAH	92.1	64	Sg	11:34:54.01	-0.30
VYHS	114.5	303	Sg	11:35:00.94	-0.51
PKSG	143.7	245	Sn	11:35:08.02	-1.44

## Hypocenter Parameters

## Földrengés paraméterek

1629.

2020-12-11 time: 13:20:58.92 UTC ML= 1.4  
 lat: 48.424N lon: 22.587E h= 0.0 km  
 erh= 4.6km erz= 6.5km  
 nr= 6 gap=208 rms=0.67  
 Locality: Ukraine  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TRPA	32.9	186	Pg	13:21:04.27	-0.52
			Sg	21:09.09	-0.28
KOLS	61.1	338	Pg	13:21:10.55	0.72
			Sg	21:17.43	-0.91
ABAH	100.9	262	Sg	13:21:30.99	0.01
KECS	155.6	272	Sn	13:21:47.20	1.23

1630.

2020-12-11 time: 15:12:25.17 UTC ML= 1.0  
 lat: 47.755N lon: 16.122E h= 1.6 km  
 erh= 0.5km erz= 6.8km  
 nr= 6 gap=161 rms=0.08  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.5	115	PgU	15:12:27.73	-0.04
			Sg	12:29.74	-0.06
CONA	27.4	315	Pg	15:12:30.16	0.09
			Sg	12:33.75	-0.14
ARSA	72.0	219	Pg	15:12:38.10	0.07
			Sg	12:48.01	-0.05

1631.

2020-12-11 time: 15:20:12.01 UTC ML= 0.6  
 lat: 47.825N lon: 16.235E h= 13.9 km  
 erh= 9.4km erz= 5.8km  
 nr= 6 gap=157 rms=0.47  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	14.7	162	Pg	15:20:15.67	0.04
			Sg	20:17.76	-0.69
SOP	28.9	123	Pg	15:20:18.30	0.56
CONA	30.2	292	Pg	15:20:18.18	0.23
			Sg	20:22.32	-0.26
A339	106.4	90	Sn	15:20:44.06	-0.90

1632.

2020-12-11 time: 15:20:39.25 UTC ML= 0.6  
 lat: 47.765N lon: 16.173E h= 13.5 km  
 erh= 1.8km erz= 3.0km  
 nr= 6 gap=159 rms=0.22  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	11.8	128	Pg	15:20:42.76	0.31
			Sg	20:44.84	-0.11
CONA	29.5	308	Pg	15:20:45.19	0.14
			Sg	20:49.26	-0.32
SOP	30.3	107	Pg	15:20:44.94	-0.24
ARSA	75.3	221	Sg	15:21:03.59	0.03

1633.

2020-12-11 time: 15:21:57.81 UTC ML= 1.2  
 lat: 47.801N lon: 16.203E h= 16.6 km  
 erh= 2.5km erz= 1.8km  
 nr= 10 gap= 79 rms=0.60  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	13.3	148	Pg	15:22:01.88	0.27
			Sg	22:03.93	-0.64
CONA	29.2	299	Pg	15:22:04.23	0.42
			Sg	22:07.74	-0.74
SOP	29.7	116	Sg	15:22:08.15	-0.47
WINA	35.4	344	Pg	15:22:05.36	0.57
			Sg	22:10.16	-0.08
ARSA	79.8	220	P*	15:22:12.85	0.71
			S*	22:22.29	-1.03
MODS	102.3	52	Sn	15:22:28.37	-0.88

1634.

2020-12-11 time: 15:24:25.94 UTC ML= 0.9  
 lat: 47.783N lon: 16.180E h= 12.5 km  
 erh= 2.3km erz= 2.2km  
 nr= 12 gap= 84 rms=0.64  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	12.7	137	Pg	15:24:29.35	0.23
			Sg	24:31.41	-0.20
CONA	28.8	304	Pg	15:24:31.84	0.30
			Sg	24:35.56	-0.36
SOP	30.5	111	Pg	15:24:32.02	0.20
			Sg	24:35.66	-0.75
WINA	37.0	348	Pg	15:24:32.93	0.03
			Sg	24:37.67	-0.67
ARSA	77.1	220	Pg	15:24:40.88	0.99
			Sg	24:49.26	-1.51
MODS	104.9	51	Sn	15:24:57.77	-1.12
KRUC	143.1	6	Sn	15:25:08.22	0.85

1635.

2020-12-11 time: 15:31:03.63 UTC ML= 0.6  
 lat: 47.756N lon: 16.154E h= 14.3 km  
 erh= 1.4km erz= 1.2km  
 nr= 6 gap=100 rms=0.20  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	12.4	120	Pg	15:31:07.20	0.19
			Sg	31:09.24	-0.40
CONA	29.1	311	Pg	15:31:09.56	0.14
			Sg	31:13.73	-0.20
ARSA	73.6	220	Sg	15:31:27.44	-0.03
MODS	108.3	51	Sn	15:31:36.83	-0.11

1636.

2020-12-11 time: 15:59:07.36 UTC ML= 0.7  
 lat: 47.766N lon: 16.159E h= 13.2 km  
 erh= 2.0km erz= 2.1km  
 nr= 11 gap= 94 rms=0.51  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	12.7	126	Pg	15:59:11.10	0.46
			Sg	59:13.04	-0.15
CONA	28.6	309	Pg	15:59:13.46	0.47

## Földrengés paraméterek

## Hypocenter Parameters

Sg 59:17.18 -0.19  
 SOP 31.4 107 Pg 15:59:13.76 0.32  
 Sg 59:17.58 -0.60  
 WINA 38.4 350 Pg 15:59:14.76 0.14  
 Sg 59:19.38 -0.90  
 ARSA 74.7 220 Sg 15:59:30.81 -0.66  
 MODS 107.3 51 Sn 15:59:40.20 -0.49  
 KRUC 145.1 7 Sn 15:59:51.80 2.72

1637.

2020-12-13 time: 11:03:58.82 UTC ML= 2.4  
 lat: 48.025N lon: 20.008E h= 4.0 km  
 erh= 2.4km erz= 2.1km  
 nr= 37 gap= 52 rms=1.18  
 Locality: Ivád  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	14.5	216	PgD	11:04:02.00			0.49
			Sg	04:04.00			0.39
PENC	60.2	244	PgU	11:04:09.98			0.39
			Sg	04:18.04			0.04
KECS	62.1	35	Pg	11:04:10.69			0.75
			Sg	04:19.02			0.41
BSZH	82.9	166	PgD	11:04:13.81			0.17
BUD	95.2	231	Sg	11:04:26.66			-2.44
ABAH	96.5	72	Pg	11:04:15.92			-0.14
			Sg	04:28.34			-1.17
VYHS	101.5	301	Pg	11:04:17.70			0.75
			Sg	04:29.85			-1.25
LANS	131.4	342	Sn	11:04:38.82			-0.77
PKSG	140.3	240	Pn	11:04:21.92			-0.91
CSKK	150.4	241	Pn	11:04:22.96			-1.13
			Sn	04:43.45			-0.35
LTVH	158.9	117	Sn	11:04:46.24			0.56
PKB2	160.9	201	Pn	11:04:24.12			-1.28
			Sn	04:45.21			-0.92
PKB1	165.6	214	Pn	11:04:24.96			-1.03
			Sn	04:47.43			0.25
PKST	171.0	240	Sn	11:04:49.15			0.78
PKS2	180.7	199	Sn	11:04:51.56			1.04
PKB5	185.8	211	Sn	11:04:52.95			1.30
PKB3	188.3	199	Sn	11:04:53.40			1.18
TRPA	189.0	86	Sn	11:04:54.16			1.79
PKB4	200.4	212	Pn	11:04:32.99			2.67
			Sn	04:56.76			1.86
MPLH	208.5	243	Pn	11:04:34.70			3.36
EGYH	211.8	251	Pn	11:04:34.77			3.02
MORH	226.1	207	Pn	11:04:31.75			-1.78
			Sn	04:55.96			-4.65*
PKSM	226.6	207	Pn	11:04:31.74			-1.86
			Sn	04:55.97			-4.75*
SIRR	232.1	147	Pn	11:04:33.02			-1.25
DRGR	245.8	124	Pn	11:04:35.50			-0.49
			Sn	05:00.89			-4.09*

1638.

2020-12-13 time: 12:08:59.65 UTC ML= 1.9  
 lat: 47.990N lon: 20.040E h= 5.0 km  
 erh= 1.7km erz= 1.3km  
 nr= 23 gap= 63 rms=0.59  
 Locality: Mátraballa  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	13.5	234	PgD	12:09:02.44			0.23
			Sg	09:04.43			0.21
PENC	60.9	249	Pg	12:09:10.42			-0.14
			Sg	09:18.67			-0.40
KECS	64.1	31	Pg	12:09:11.73			0.61
			Sg	09:19.81			-0.26
BUD	94.8	234	Sg	12:09:29.06			-0.75
ABAH	95.5	69	PgD	12:09:16.79			0.07

Sg	09:29.09			-0.96
VYHS 105.6 302	Pg	12:09:18.61		0.09
	Sg	09:31.10		-2.13
PKSN 122.2 186	Pn	12:09:21.51		0.23
	Sn	09:37.53		-0.62
PKS7 124.0 212	Sn	12:09:37.50		-1.05
LANS 135.8 342	Pn	12:09:23.93		0.95
	Sn	09:40.27		-0.90
PKSG 140.6 242	Pn	12:09:24.00		0.43
	Sn	09:41.83		-0.40
CSKK 150.7 242	Sn	12:09:44.53		0.04
PKB2 158.2 202	Sn	12:09:46.27		0.12
PKB3 185.5 200	Sn	12:09:54.20		1.99
PKB4 198.5 213	Sn	12:09:56.39		1.30
DRGR 241.7 123	Pn	12:09:35.81		-0.37

1639.

2020-12-13 time: 19:23:13.12 UTC ML= 1.2  
 lat: 47.987N lon: 16.497E h= 13.8 km  
 erh= 3.9km erz= 3.5km  
 nr= 11 gap=143 rms=0.55  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	34.1	172	Pg	19:23:20.00			0.32
			Sg	23:24.41			-0.39
WINA	34.3	293	Pg	19:23:20.06			0.33
			Sg	23:24.55			-0.33
RONA	35.3	205	Pg	19:23:20.24			0.35
			Sg	23:23.65			-1.52
CONA	47.9	262	Pg	19:23:22.46			0.44
			Sg	23:28.95			-0.02
KRUC	119.8	356	Pn	19:23:33.12			-0.20
			Sn	23:46.81			-2.26
MPLH	120.0	139	Sn	19:23:49.26			0.14

1640.

2020-12-13 time: 19:37:50.27 UTC ML= 2.3  
 lat: 46.925N lon: 21.219E h= 11.0 km  
 erh= 1.2km erz= 1.1km  
 nr= 45 gap= 40 rms=0.72  
 Locality: Vésztő  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BORR	46.8	67	PgD	19:37:59.24			0.38
			Sg	38:06.20			0.65
LTVH	72.6	45	Pg	19:38:03.11			-0.28
			Sg	38:13.34			-0.29
AMBH	74.3	211	Pg	19:38:04.00			0.32
			Sg	38:14.29			0.15
SIRR	80.6	155	Pg	19:38:04.48			-0.31
			Sg	38:14.80			-1.31
BSZH	83.4	300	Pg	19:38:05.42			0.12
			Sg	38:16.19			-0.82
DRGR	114.7	97	Pn	19:38:09.97			-0.24
			Sn	38:24.40			-1.36
PKS6	131.5	254	Pn	19:38:12.67			0.37
			Sn	38:29.58			0.09
MESR	133.8	79	PnC	19:38:12.96			0.37
			Sn	38:30.60			0.60
MARR	147.6	101	PnC	19:38:15.30			0.99
			Sn	38:33.20			0.14
SURR	147.7	152	PnD	19:38:14.51			0.19
			Sn	38:32.90			-0.18
BZS	148.7	168	Pn	19:38:14.18			-0.26
			Sn	38:31.63			-1.67
PSZ	148.9	318	Pn	19:38:13.37			-1.10
			Sn	38:31.65			-1.70
ABAH	152.4	1	Pn	19:38:15.01			0.10
			Sn	38:33.02			-1.10
PKB2	153.5	260	Sn	19:38:35.02			0.65

## Hypocenter Parameters

PKS2	160.8	253	Pn	19:38:16.10	0.14
			Sn	38:35.49	-0.50
PKB3	164.7	250	Pn	19:38:17.48	1.04
TRPA	166.8	37	Pn	19:38:15.15	-1.55
PENC	175.2	303	Pn	19:38:18.10	0.35
			Sn	38:39.75	0.58
KECS	181.7	342	Pn	19:38:19.38	0.81
CJR	183.1	97	PnC	19:38:20.26	1.53
			Sn	38:41.60	0.67
PKB1	185.8	265	Sn	19:38:45.39	3.86*
PKSG	220.7	284	Pn	19:38:23.61	0.19
ARCR	239.0	86	PnC	19:38:26.93	1.22
			Sn	38:53.00	-0.35
MDVR	241.4	171	PnD	19:38:26.15	0.15
			Sn	38:53.70	-0.17
HERR	245.5	158	PnC	19:38:26.00	-0.51
VYHS	249.8	314	ePn	19:38:28.60	1.55
			eSn	38:58.30	2.56*
LOT	256.4	130	Sn	19:38:58.30	1.10
BURA	312.1	76	PnD	19:38:35.95	1.13*
ARR	315.6	123	PnD	19:38:36.79	1.54*
MORC	418.1	319	Pn	19:38:48.23	0.19*

1641.

2020-12-14 time: 1:57:34.15 UTC ML= 1.3  
lat: 47.630N lon: 16.025E h= 0.5 km  
erh= 2.5km erz= 6.8km  
nr= 9 gap=118 rms=0.63  
Locality: Austria  
Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	21.8	69	Pg	1:57:38.17	0.12
			Sg	57:40.66	-0.44
CONA	35.4	340	Pg	1:57:40.66	0.19
			Sg	57:44.97	-0.43
SOP	40.5	82	Sg	1:57:45.98	-1.06
ARSA	56.6	222	Pg	1:57:43.77	-0.50
EGYH	101.2	103	Pg	1:57:53.13	0.90
ZVC	242.5	326	eSn	1:58:42.10	1.73
KHC	246.4	313	eSn	1:58:42.90	1.65

1642.

2020-12-14 time: 7:45:51.41 UTC ML= 1.6  
lat: 47.073N lon: 18.037E h= 0.0 km  
erh= 1.5km erz= 2.9km  
nr= 9 gap=117 rms=0.45  
Locality: Balatonfűzfő  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	36.4	28	Pg	7:45:58.43	0.51
			Sg	46:02.66	-0.33
MPLH	39.3	286	Sg	7:46:04.34	0.44
PKSG	44.4	37	Sg	7:46:05.37	-0.16
MORH	106.0	154	Sg	7:46:25.37	0.26
PKSM	106.3	154	Sg	7:46:25.53	0.33
A338	107.4	13	Sg	7:46:25.01	-0.54
KOVH	109.6	177	Sg	7:46:25.73	-0.50
PKSV	132.7	173	Sn	7:46:32.69	-0.69

1643.

2020-12-14 time: 9:33:44.26 UTC ML= 1.5  
lat: 47.015N lon: 18.025E h= 0.0 km  
erh= 1.4km erz= 523km  
nr= 9 gap=118 rms=0.39  
Locality: Balatonalmádi  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	16.2	218	Pg	9:33:47.37	0.22
			Sg	33:50.19	0.77

## Földrengés paraméterek

MPLH	40.7	295	Pg	9:33:51.63	0.11
			Sg	33:56.57	-0.62
CSKK	42.6	25	Sg	9:33:57.75	-0.06
PKSG	50.3	33	Sg	9:34:00.60	0.37
MORH	100.7	152	Sg	9:34:16.20	-0.06
PKSM	101.0	152	Sg	9:34:16.00	-0.36
KOVH	103.2	177	Sg	9:34:16.35	-0.69

1644.

2020-12-14 time: 10:06:47.23 UTC ML= 1.4  
lat: 47.860N lon: 19.113E h= 0.0 km  
erh= 1.8km erz= 616km  
nr= 10 gap=117 rms=0.48  
Locality: Szendehely  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.8	121	Pg	10:06:50.31	0.44
			Sg	06:52.23	0.31
PSZ	58.8	84	Pg	10:06:57.97	0.24
			Sg	07:05.17	-0.75
VYHS	73.5	344	Pg	10:07:00.79	0.44
			Sg	07:10.11	-0.48
PKSG	75.2	226	Pg	10:07:00.59	-0.07
			Sg	07:10.26	-0.87
KECS	123.4	56	Pg	10:07:09.30	0.03
			Sg	07:24.57	-1.89

1645.

2020-12-14 time: 13:01:03.82 UTC ML= 1.2  
lat: 48.234N lon: 19.834E h= 0.0 km  
erh= 3.5km erz= \*\*\*km  
nr= 7 gap=129 rms=0.74  
Locality: Slovakia  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	35.4	173	Pg	13:01:10.50	0.36
			Sg	01:15.17	0.11
KECS	55.7	60	Pg	13:01:14.63	0.86
			Sg	01:21.02	-0.50
VYHS	79.4	291	Pg	13:01:18.00	0.00
			Sg	01:28.18	-0.87
ABAH	104.6	86	Sg	13:01:34.98	-2.08

1646.

2020-12-14 time: 14:25:28.57 UTC ML= 1.4  
lat: 47.874N lon: 16.056E h= 0.0 km  
erh= 2.8km erz= 3.7km  
nr= 12 gap=126 rms=1.08  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.7	293	Pg	14:25:31.23	-0.15
			Sg	25:35.24	1.66
WINA	26.0	3	Pg	14:25:34.41	1.20
			Sg	25:38.50	1.67
RONA	26.4	137	Pg	14:25:33.43	0.14
			Sg	25:37.65	0.67
ARSA	80.1	210	Pg	14:25:42.36	-0.51
			Sg	25:53.50	-0.52
MOA	134.0	269	Sn	14:26:08.55	-2.28
KRUC	134.5	11	Pn	14:25:51.51	-0.86
			Sn	26:08.38	-2.56
GROS	162.6	195	Sn	14:26:17.91	0.73

## Földrengés paraméterek

## Hypocenter Parameters

1647.  
 2020-12-15 time: 2:34:32.56 UTC ML= 1.9  
 lat: 46.041N lon: 17.051E h= 11.8 km  
 erh= 3.3km erz= 2.4km  
 nr= 18 gap=154 rms=0.91  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	52.2	336	Pg	2:34:42.85			0.73
			Sg			34:49.00	-0.57
KOGS	76.6	306	Pg	2:34:47.93			1.54
KOVH	81.3	86	Pg	2:34:47.15			-0.08
			Sg			34:56.96	-1.71
ZAG	85.3	254	Sg	2:34:58.56			-1.38
PTJ	86.2	260	Sg	2:34:58.91			-1.30
PKSV	94.6	100	Pg	2:34:49.76			0.17
			Sg			35:02.62	-0.25
PKSM	124.3	81	Pn	2:34:53.60			0.01
			Sn			35:10.41	0.42
MORH	124.6	81	Pn	2:34:53.57			-0.05
			Sn			35:09.01	-1.04
CRES	126.0	259	Pn	2:34:55.66			1.87
GROS	128.3	291	Sn	2:35:10.45			-0.41
PKST	154.9	29	Pn	2:34:57.15			-0.25
PKB1	157.3	58	Pn	2:34:57.63			-0.07
ARSA	178.2	319	Sn	2:35:20.12			-1.83

1648.

2020-12-15 time: 3:13:06.86 UTC ML= 1.8  
 lat: 46.067N lon: 17.056E h= 13.7 km  
 erh= 4.5km erz= 1.8km  
 nr= 9 gap=156 rms=0.44  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	75.2	304	Pg	3:13:20.73			0.22
			Sg			13:30.93	-0.23
KOVH	80.7	88	Pg	3:13:21.77			0.29
			Sg			13:32.36	-0.53
PKSV	94.8	102	S*	3:13:36.04			-0.87
PKSM	123.5	83	Sn	3:13:44.06			0.38
MORH	123.8	82	Sn	3:13:44.19			0.45
CRES	126.9	258	Sn	3:13:44.72			0.29
GROS	127.6	290	Sn	3:13:43.91			-0.68

1649.

2020-12-15 time: 8:16:53.43 UTC ML= 1.2  
 lat: 47.200N lon: 18.315E h= 0.0 km  
 erh= 7.1km erz= 802km  
 nr= 5 gap=180 rms=0.38  
 Locality: Székesfehérvár  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.7	347	Pg	8:16:57.13			0.37
			Sg			16:58.99	-0.37
PKSG	22.2	15	Pg	8:16:57.65			0.27
			Sg			16:59.94	-0.53
MORH	112.2	167	Sg	8:17:28.66			-0.44

1650.

2020-12-15 time: 8:47:34.57 UTC ML= 1.8  
 lat: 46.258N lon: 22.404E h= 2.4 km  
 erh= 2.8km erz= 6.0km  
 nr= 9 gap=111 rms=0.50  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SIRR	57.4	271	Pg	8:47:44.77			-0.05
			Sg			47:52.44	-0.39
DRGR	63.8	22	Pg	8:47:46.18			0.21
			Sg			47:54.58	-0.29
BZS	93.9	221	Pg	8:47:51.93			0.59
			Sg			48:02.46	-1.95
CJR	104.7	61	Pg	8:47:53.44			0.16
			Sg			48:07.10	-0.77
VOIR	224.9	114	Sn	8:48:37.00			0.55

1651.

2020-12-15 time: 8:48:47.59 UTC ML= 1.3  
 lat: 46.131N lon: 18.023E h= 0.0 km  
 erh= 0.8km erz= 111km  
 nr= 8 gap=292 rms=0.08  
 Locality: Hetvehely  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KOVH	7.6	128	PgU	8:48:49.06			0.11
			Sg			48:50.09	0.09
PKSV	32.3	147	Pg	8:48:53.25			-0.10
			Sg			48:57.77	-0.08
PKSM	48.6	79	Pg	8:48:56.29			0.02
			Sg			49:02.94	-0.10
MORH	48.9	79	Pg	8:48:56.36			0.04
			Sg			49:03.09	-0.04

1652.

2020-12-15 time: 8:54:53.85 UTC ML= 1.5  
 lat: 48.592N lon: 20.773E h= 0.0 km  
 erh= 2.0km erz= 3.7km  
 nr= 8 gap=128 rms=0.48  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.4	240	Pg	8:54:58.66			0.45
			Sg			55:01.20	-0.41
ABAH	47.7	134	Sg	8:55:09.40			0.38
PSZ	99.3	221	Pg	8:55:11.79			0.21
			Sg			55:24.31	-1.11
LANS	114.1	303	Pg	8:55:14.38			0.15
KOLS	116.7	71	Sg	8:55:30.82			-0.11
TRPA	140.6	111	Sn	8:55:36.62			-0.96

1653.

2020-12-15 time: 9:16:38.06 UTC ML= 1.0  
 lat: 47.464N lon: 18.723E h= 0.0 km  
 erh= 2.1km erz= 2.5km  
 nr= 7 gap=168 rms=0.54  
 Locality: Etyek  
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
BUD	22.8	84	Sg	9:16:46.22			0.91
PKSG	26.3	252	Pg	9:16:42.74			-0.02
			Sg			16:46.35	-0.07
CSKK	36.6	252	Pg	9:16:44.64			0.04
			Sg			16:50.04	0.34
PSZ	101.5	60	Sg	9:17:09.72			-0.59
PKSM	139.3	183	Sn	9:17:19.48			-2.02

## Hypocenter Parameters

1654.  


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 2020-12-15 time: 9:41:08.51 UTC ML= 1.4  
 lat: 47.703N lon: 18.719E h= 0.0 km  
 erh= 2.6km erz= 520km  
 nr= 10 gap=209 rms=0.41  
 Locality: Csolnok  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
BUD	33.5	137	Sg	9:41:19.49	0.33
PKSG	42.6	216	Pg	9:41:15.95	-0.16
			Sg	41:21.82	-0.23
PENC	43.3	77	Pg	9:41:16.66	0.42
			Sg	41:22.10	-0.16
CSKK	51.2	222	Pg	9:41:17.94	0.28
			Sg	41:24.68	-0.12
PKST	71.5	226	Pg	9:41:21.45	0.18
			Sg	41:30.34	-0.89
PSZ	91.2	75	Sg	9:41:35.82	-1.68

1655.  


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 2020-12-15 time: 10:21:54.48 UTC ML= 1.5  
 lat: 47.583N lon: 18.449E h= 0.0 km  
 erh= 3.2km erz= 2.6km  
 nr= 9 gap=220 rms=0.74  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.7	192	Pg	10:21:58.79	0.44
			Sg	22:01.51	0.13
CSKK	28.3	210	Pg	10:21:59.89	0.37
			Sg	22:03.39	-0.07
BUD	44.7	104	Sg	10:22:09.31	0.63
PENC	66.7	70	Sg	10:22:16.10	0.43
PSZ	114.6	71	Sg	10:22:30.02	-0.90
MORH	152.7	174	Sn	10:22:39.01	-1.88
PKSM	153.1	174	Sn	10:22:39.18	-1.81

1656.  


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 2020-12-15 time: 10:22:24.98 UTC ML= 0.9  
 lat: 48.416N lon: 20.650E h= 0.0 km  
 erh= 6.5km erz= \*\*\*km  
 nr= 5 gap=165 rms=0.67  
 Locality: Alsótelkes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	14.3	302	Pg	10:22:27.09	-0.43
			Sg	22:29.49	-0.02
ABAH	45.7	107	Pg	10:22:34.01	0.88
			Sg	22:38.35	-1.15
PSZ	78.9	225	Sg	10:22:50.26	0.22

1657.  


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 2020-12-15 time: 11:00:05.32 UTC ML= 1.6  
 lat: 48.141N lon: 18.929E h= 0.0 km  
 erh= 2.8km erz= 6.5km  
 nr= 13 gap=128 rms=0.86  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
A338	45.2	252	Pg	11:00:14.44	1.05
			Sg	00:19.94	0.26
PENC	47.0	146	Sg	11:00:20.90	0.63
PSZ	76.2	109	Pg	11:00:19.58	0.66
			Sg	00:29.40	-0.13
PKSG	92.5	206	Pg	11:00:21.87	0.02
			Sg	00:33.98	-0.76

## Földrengés paraméterek

CSKK	99.9	210	Pg	11:00:23.65	0.48
			Sg	00:35.92	-1.17
PKST	118.8	214	Sg	11:00:40.96	-2.13
LANS	119.1	19	Sg	11:00:41.66	-1.52
KECS	121.6	72	Sg	11:00:42.78	-1.19
ABAH	172.6	84	Sn	11:00:56.48	0.34

1658.  


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 2020-12-15 time: 12:07:32.92 UTC ML= 0.9  
 lat: 47.459N lon: 18.695E h= 0.0 km  
 erh= 2.7km erz= 4.2km  
 nr= 10 gap=98 rms=0.95  
 Locality: Herceghalom  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	24.1	252	Pg	12:07:38.14	0.91
			Sg	07:40.08	-0.51
BUD	25.0	84	Sg	12:07:41.48	0.63
CSKK	34.5	252	Pg	12:07:39.85	0.78
			Sg	07:43.61	-0.26
PENC	57.5	50	Sg	12:07:52.11	0.92
A338	67.0	337	Sg	12:07:53.23	-0.97
PSZ	103.6	60	Sg	12:08:05.14	-0.69
MORH	138.3	182	Sn	12:08:14.20	-1.92
PKSM	138.7	182	Sn	12:08:14.55	-1.67

1659.  


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 2020-12-16 time: 0:15:36.82 UTC ML= 2.1  
 lat: 45.708N lon: 17.970E h= 4.6 km  
 erh= 3.3km erz= 2.7km  
 nr= 21 gap=160 rms=0.67  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	29.8	48	Pg	0:15:42.86	0.67
			Sg	15:46.02	-0.37
KOVH	43.5	13	Pg	0:15:45.31	0.68
			Sg	15:50.45	-0.27
PKSM	76.5	43	Pg	0:15:50.50	0.00
			Sg	15:59.83	-1.34
MORH	77.0	43	Pg	0:15:50.57	-0.01
			Sg	16:00.02	-1.30
BLY	123.1	210	Pn	0:15:58.88	0.27
			Sn	16:13.76	-1.85
PKB3	123.8	50	Pn	0:15:59.11	0.42
PKS2	129.8	48	Pn	0:15:58.95	-0.49
TIH	132.7	357	Pn	0:16:00.91	1.11
PKB1	135.4	28	Pn	0:16:00.88	0.73
			Sn	16:18.37	0.03
KOGS	156.4	302	Pn	0:16:01.71	-1.05
			Sn	16:23.81	0.81
MPLH	165.9	349	Pn	0:16:03.81	-0.13
PKST	172.5	2	Pn	0:16:04.61	-0.16
CSKK	185.4	7	Pn	0:16:06.10	-0.27
CRES	195.9	274	Pn	0:16:07.11	-0.58

1660.  


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 2020-12-16 time: 4:49:14.82 UTC ML= 1.7  
 lat: 45.723N lon: 21.536E h= 6.7 km  
 erh= 5.0km erz= 4.2km  
 nr= 17 gap=149 rms=1.64  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	13.4	152	Pg	4:49:15.31	-2.19
			Sg	49:17.35	-2.24
SURR	46.0	86	PgC	4:49:25.82	2.70
			Sg	49:27.00	-2.59
BANR	49.1	220	Pg	4:49:24.15	0.48



## Földrengés paraméterek

## Hypocenter Parameters

Sg 49:31.31 0.74  
 SIRR 61.2 9 Pg 4:49:26.81 0.99  
 Sg 49:34.19 -0.22  
 MDVR 105.6 172 PgC 4:49:34.66 0.95  
 Sg 49:49.30 0.85  
 HERR 116.3 144 PnC 4:49:37.32 1.81  
 Sn 49:49.90 -1.74  
 BEO 131.3 220 Sn 4:49:53.32 -1.64  
 DRGR 149.4 37 Pn 4:49:38.61 -1.02  
 Sn 49:57.99 -0.99  
 MARR 161.7 49 PnC 4:49:43.27 2.10  
 Sn 49:59.90 -1.81

1661.

2020-12-16 time: 5:01:21.51 UTC ML= 2.3  
 lat: 45.730N lon: 21.646E h= 0.4 km  
 erh= 1.4km erz= 1.6km  
 nr= 29 gap= 69 rms=0.65  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	12.8	190	Pg	5:01:23.82	0.02
			Sg	01:25.37	-0.21
SURR	37.3	86	PgC	5:01:28.72	0.54
			Sg	01:33.00	-0.37
BANR	55.5	226	Pg	5:01:31.60	0.17
			Sg	01:39.63	0.47
SIRR	59.8	1	Pg	5:01:32.73	0.54
AMBH	99.2	314	Sg	5:01:52.49	-0.54
DEV	99.2	80	Pg	5:01:38.92	-0.30
MDVR	105.5	177	PgC	5:01:40.53	0.17
			Sg	01:53.90	-1.15
HERR	112.0	147	PgD	5:01:41.68	0.17
			Sg	01:55.40	-1.71
DRGR	143.8	35	Pn	5:01:45.95	-0.47
			Sn	02:03.30	-2.55
MARR	154.8	47	PnD	5:01:48.42	0.62
			Sn	02:07.60	-0.71
FRGS	158.2	245	Pn	5:01:47.37	-0.85
LOT	168.6	101	PnD	5:01:50.06	0.54
			Sn	02:11.50	0.13
CJR	186.1	54	PnD	5:01:52.46	0.76
			Sn	02:14.60	-0.64
PUNG	190.5	148	Sn	5:02:16.90	0.67
BOVS	232.8	179	PnD	5:01:59.40	1.88
			Sn	02:26.30	0.69
BLKB	248.0	161	PnD	5:02:00.97	1.56
			Sn	02:29.00	0.03
VOIR	267.6	97	PnD	5:02:03.64	1.78
			Sn	02:32.90	-0.43

1662.

2020-12-16 time: 7:49:10.42 UTC ML= 1.0  
 lat: 47.993N lon: 20.340E h= 0.0 km  
 erh= 5.5km erz= \*\*\*km  
 nr= 6 gap=193 rms=0.62  
 Locality: Szarvaskő  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	34.3	256	Pg	7:49:16.75	0.20
			Sg	49:21.02	-0.31
KECS	55.6	11	Pg	7:49:20.97	0.62
			Sg	49:28.15	0.05
ABAH	74.9	63	Sg	7:49:33.77	-0.47
VYHS	124.9	297	Sg	7:49:48.12	-2.00

1663.

2020-12-16 time: 8:05:57.61 UTC ML= 1.7  
 lat: 45.945N lon: 22.314E h= 0.0 km  
 erh= 2.2km erz= 4.2km  
 nr= 10 gap=137 rms=0.63  
 Locality: Romania  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
DEV	46.3	99	Pg	8:06:06.18	0.31
			Sg	06:12.19	-0.12
SIRR	62.0	305	Pg	8:06:09.15	0.47
			Sg	06:16.56	-0.75
BZS	65.4	236	Pg	8:06:09.70	0.41
			Sg	06:17.80	-0.59
DRGR	98.9	18	Pg	8:06:15.95	0.67
			Sg	06:27.93	-1.13
CJR	130.7	49	Pn	8:06:20.74	-0.20
			Sn	06:36.98	-2.15

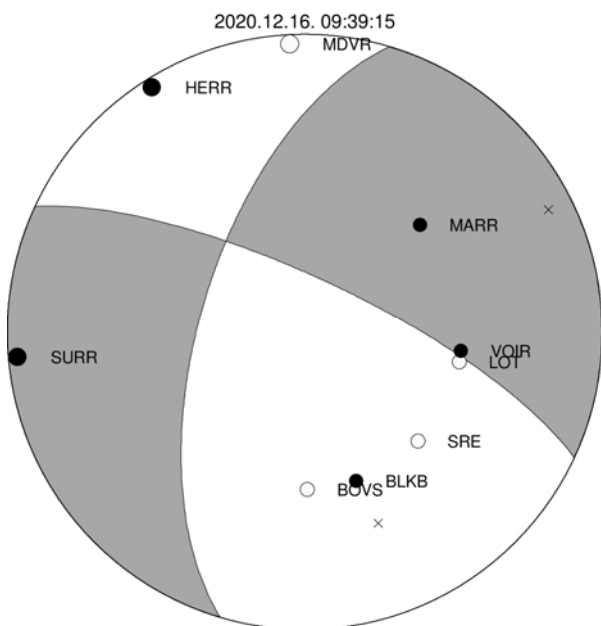
1664.

2020-12-16 time: 9:39:15.83 UTC ML= 2.6  
 lat: 45.728N lon: 21.654E h= 0.5 km  
 erh= 1.0km erz= 1.3km  
 nr= 34 gap= 47 rms=0.55  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	12.7	193	Pg	9:39:18.13	0.03
			Sg	39:19.91	0.04
TIM	33.7	272	Sg	9:39:27.40	0.85
SURR	36.7	85	PgC	9:39:22.67	0.28
			Sg	39:27.30	-0.20
BANR	55.8	227	Pg	9:39:25.84	0.05
			Sg	39:33.62	0.05
SIRR	60.0	0	Pg	9:39:26.89	0.35
			Sg	39:34.34	-0.55
DEV	98.6	80	Pg	9:39:33.02	-0.42
AMBH	99.7	314	Pg	9:39:33.79	0.15
			Sg	39:46.59	-0.94
MDVR	105.3	177	PgD	9:39:34.60	-0.03
			Sg	39:48.20	-1.09
HERR	111.5	148	PgC	9:39:36.06	0.32
			Sg	39:50.10	-1.17
DJES	139.6	151	Sn	9:39:55.56	-3.65*
DRGR	143.6	35	Pn	9:39:40.38	-0.32
			Sn	39:57.50	-2.60
MARR	154.5	47	PnC	9:39:42.90	0.84
FRGS	158.6	245	Pn	9:39:42.46	-0.11
LOT	168.0	101	PnD	9:39:44.11	0.37
			Sn	40:05.60	0.09
SRE	170.0	134	PnD	9:39:44.59	0.61
			Sn	40:06.50	0.55
CJR	185.7	54	Sn	9:40:09.50	0.05
PKS6	188.3	301	Pn	9:39:45.76	-0.50
PUNG	190.1	148	Sn	9:40:10.20	-0.20
BOVS	232.6	179	PnD	9:39:52.43	0.64
			Sn	40:21.00	1.15
PKSM	239.6	283	Pn	9:39:51.76	-0.91
BLKB	247.6	161	PnC	9:39:55.00	1.34
			Sn	40:23.80	0.63
VOIR	267.0	97	PnC	9:39:57.02	0.94
			Sn	40:28.40	0.92

## Hypocenter Parameters

## Földrengés paraméterek



1667.

2020-12-16 time: 12:56:10.32 UTC ML= 2.2  
 lat: 45.721N lon: 21.661E h= 4.2 km  
 erh= 1.2km erz= 1.6km  
 nr= 19 gap= 68 rms=0.50  
 Locality: Romania  
 Comments:

sta	dist	azm	phase	hr mn sec	res
BZS	12.1	197	Pg	12:56:12.33	-0.28
			Sg	56:14.04	-0.36
SURR	36.2	84	PgD	12:56:17.36	0.53
			Sg	56:21.90	-0.01
BANR	55.7	228	Pg	12:56:20.75	0.45
			Sg	56:28.23	0.15
SIRR	60.7	360	Pg	12:56:21.15	-0.04
			Sg	56:28.92	-0.75
AMBH	100.7	314	Sg	12:56:42.58	0.23
MDVR	104.5	178	PgD	12:56:28.66	-0.34
			Sg	56:42.60	-0.97
HERR	110.5	148	PgC	12:56:30.28	0.20
DRGR	143.9	34	Pn	12:56:34.65	-0.11
			Sn	56:51.78	-2.04
MARR	154.7	47	PnC	12:56:37.11	1.01
			Sn	56:55.90	-0.31
FRGS	158.8	246	Sn	12:56:56.87	-0.27
BLKB	246.7	161	PnD	12:56:48.93	1.36
			Sn	57:18.00	1.38

1665.

2020-12-16 time: 11:00:30.44 UTC ML= 2.0  
 lat: 48.144N lon: 16.928E h= 0.0 km  
 erh= 3.0km erz= 4.2km  
 nr= 13 gap= 96 rms=0.81  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
ZST	14.2	66	Pg	11:00:33.48	0.50
			Sg	00:35.62	0.67
WINA	63.8	266	Pg	11:00:43.01	1.18
			Sg	00:51.67	0.95
RONA	68.4	224	Pg	11:00:42.44	-0.21
			Sg	00:51.19	-0.98
CONA	83.1	253	Pg	11:00:45.29	0.01
			Sg	00:55.93	-0.92
KRUC	109.4	339	Pg	11:00:50.23	0.26
			Sg	01:03.41	-1.79
PKSG	137.9	127	Sn	11:01:11.61	-1.96
ARSA	144.9	227	Pn	11:00:55.93	0.39
VYHS	146.8	75	Sn	11:01:14.61	-0.92

1666.

2020-12-16 time: 11:14:25.00 UTC ML= 1.2  
 lat: 47.973N lon: 20.106E h= 0.0 km  
 erh= 2.6km erz= 3.9km  
 nr= 7 gap=176 rms=0.54  
 Locality: Kiszűzes  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	17.0	249	Pg	11:14:28.69	0.66
			Sg	14:30.97	0.58
PENC	64.9	252	Sg	11:14:45.23	-0.42
ABAH	91.7	67	Sg	11:14:54.07	-0.07
VYHS	110.7	302	Pg	11:14:44.43	-0.35
			Sg	15:00.19	-0.01
PKSG	144.1	243	Sn	11:15:08.23	-1.28

1668.

2020-12-17 time: 8:50:28.03 UTC ML= 1.5  
 lat: 48.600N lon: 20.769E h= 0.0 km  
 erh= 2.8km erz= 3.8km  
 nr= 8 gap=206 rms=0.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.6	238	Pg	8:50:32.26	-0.17
			Sg	50:36.10	0.25
ABAH	48.5	134	Pg	8:50:36.93	0.23
			Sg	50:43.36	-0.09
PSZ	99.8	221	Pg	8:50:46.16	0.31
			Sg	50:59.26	-0.49
TRPA	141.2	112	Sn	8:51:09.22	-2.67*
VYHS	143.2	265	Pn	8:50:52.75	-0.17

1669.

2020-12-17 time: 9:12:37.30 UTC ML= 1.8  
 lat: 48.822N lon: 18.149E h= 0.0 km  
 erh= 2.3km erz= 2.8km  
 nr= 10 gap=148 rms=0.66  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	62.5	126	Pg	9:12:48.82	0.37
			Sg	12:56.64	-0.51
SMOL	63.2	237	Sg	9:12:57.16	-0.22
ZST	104.1	228	Sg	9:13:09.58	-0.79
MORC	114.9	337	Pg	9:12:57.97	0.15
			Sg	13:13.04	-0.79
KRUC	131.2	282	Sn	9:13:16.09	-2.84
PENC	142.2	144	Sn	9:13:21.29	-0.10
KRLC	171.0	325	Pn	9:13:06.22	0.57
			Sn	13:28.73	0.96

## Földrengés paraméterek

## Hypocenter Parameters

1670.

2020-12-17 time: 10:34:51.65 UTC ML= 1.0  
 lat: 47.965N lon: 16.117E h= 0.0 km  
 erh= 4.6km erz= 9.4km  
 nr= 9 gap=146 rms=1.21  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
WINA	16.2	348	Pg	10:34:55.77	1.23
			Sg	34:59.20	2.41
CONA	19.5	258	Pg	10:34:54.57	-0.56
			Sg	34:57.33	-0.51
RONA	32.4	155	Pg	10:34:57.64	0.20
			Sg	35:02.05	0.09
ARSA	91.1	209	Sg	10:35:20.56	-0.05
KRUC	123.7	10	Sg	10:35:27.59	-3.39
KOGS	168.9	177	Sn	10:35:40.15	-1.51

1671.

2020-12-17 time: 11:31:21.39 UTC ML= 1.9  
 lat: 47.928N lon: 20.061E h= 0.0 km  
 erh= 2.4km erz= 5.6km  
 nr= 14 gap=103 rms=0.86  
 Locality: Bodony  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	12.5	265	PgU	11:31:24.10	0.48
			Sg	31:25.92	0.55
PENC	60.3	255	Pg	11:31:32.42	0.26
			Sg	31:40.68	0.12
KECS	69.3	27	Sg	11:31:42.42	-0.99
BSZH	71.6	168	Sg	11:31:43.68	-0.46
BUD	92.2	238	Sg	11:31:49.72	-0.98
ABAH	96.8	65	Pg	11:31:39.73	1.06
			Sg	31:51.17	-0.98
VYHS	110.7	305	Pg	11:31:42.34	1.19
			Sg	31:54.49	-2.07
PKSN	115.6	187	Sg	11:31:57.70	-0.42
A338	128.0	274	Sg	11:32:01.12	-0.94
PKSG	139.0	245	Sn	11:32:04.08	-0.67

1672.

2020-12-17 time: 14:45:53.86 UTC ML= 1.3  
 lat: 48.589N lon: 20.807E h= 0.0 km  
 erh= 1.9km erz= 2.8km  
 nr= 8 gap=165 rms=0.32  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.5	244	Pg	14:45:58.46	-0.13
			Sg	46:02.63	0.35
ABAH	45.7	136	Pg	14:46:02.17	0.15
			Sg	46:08.15	-0.24
PSZ	100.8	222	Pg	14:46:12.27	0.41
			Sg	46:25.37	-0.52
KOLS	114.4	70	Sg	14:46:30.19	-0.04
VYHS	145.9	266	Sn	14:46:38.12	-0.64

1673.

2020-12-17 time: 18:25:55.01 UTC ML= 0.8  
 lat: 47.670N lon: 16.081E h= 6.9 km  
 erh= 1.6km erz= 2.2km  
 nr= 10 gap=134 rms=0.37  
 Locality: Austria  
 Comments:

sta	dist	azm	phase	hr mn sec	res
RONA	16.5	78	Pg	18:25:58.45	0.24
			Sg	26:00.60	-0.10
CONA	33.1	330	Pg	18:26:01.20	0.15
			Sg	26:05.32	-0.45
SOP	35.9	88	Pg	18:26:01.70	0.17
			Sg	26:05.62	-1.00
ARSA	62.8	222	Pg	18:26:06.41	0.11
			Sg	26:14.63	-0.47
MOA	137.6	278	Pn	18:26:18.88	0.57
			Sn	26:35.95	-0.53

1674.

2020-12-18 time: 9:07:28.92 UTC ML= 1.3  
 lat: 48.593N lon: 20.735E h= 0.0 km  
 erh= 2.4km erz= 3.6km  
 nr= 10 gap=128 rms=0.61  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.1	236	Pg	9:07:33.41	0.54
			Sg	07:35.79	-0.16
ABAH	49.9	132	Pg	9:07:38.15	0.32
			Sg	07:44.76	-0.02
PSZ	97.6	220	Pg	9:07:46.92	0.56
			Sg	07:58.71	-1.25
LANS	111.7	304	ePg	9:07:48.50	-0.37
KOLS	119.2	72	Sg	9:08:06.85	0.03
VYHS	140.6	265	Sn	9:08:11.97	-0.69
TRPA	143.3	111	Sn	9:08:10.87	-2.37

1675.

2020-12-18 time: 10:45:18.07 UTC ML= 1.3  
 lat: 47.566N lon: 18.465E h= 0.0 km  
 erh= 2.8km erz= 4.0km  
 nr= 11 gap=123 rms=0.85  
 Locality: Tatabánya  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	20.1	196	Pg	10:45:21.85	0.18
			Sg	45:24.36	-0.12
CSKK	27.3	214	Pg	10:45:22.81	-0.14
			Sg	45:26.72	-0.04
SRO	29.8	337	eSg	10:45:29.20	1.66
BUD	43.0	102	Sg	10:45:31.92	0.16
VYHS	106.8	15	Sg	10:45:50.45	-1.59
PSZ	114.1	70	Sg	10:45:55.19	0.84
MORH	150.7	175	Sn	10:46:02.52	-1.52
PKSM	151.1	175	Pn	10:45:44.70	0.75
			Sn	46:02.62	-1.51

1676.

2020-12-18 time: 13:19:35.54 UTC ML= 1.5  
 lat: 45.509N lon: 17.380E h= 13.1 km  
 erh= 6.2km erz= 1.4km  
 nr= 8 gap=343 rms=0.28  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	80.0	58	Pg	13:19:49.77	-0.25
			Sg	20:02.04	0.73
KOVH	85.4	41	Pg	13:19:51.05	0.09
			Sg	20:02.75	-0.24
PKSM	125.3	51	Pn	13:19:56.69	0.17
			Sn	20:12.32	-0.57
MORH	125.8	51	Pn	13:19:56.62	0.04
			Sn	20:13.16	0.17

## Hypocenter Parameters

## Földrengés paraméterek

1677.

2020-12-18 time: 17:20:53.63 UTC ML= 1.1  
 lat: 45.715N lon: 18.046E h= 12.4 km  
 erh= 6.3km erz= 5.0km  
 nr= 10 gap=172 rms=0.65  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	25.1	40	PgU	17:20:59.13			0.50
			Sg		21:02.84		0.31
KOVH	41.7	6	Pg	17:21:01.43			0.03
			Sg		21:06.85		-0.61
PKSM	72.0	40	PgD	17:21:06.62			-0.05
			Sg		21:16.06		-0.78
MORH	72.4	40	PgD	17:21:06.66			-0.09
			Sg		21:16.09		-0.90
BLY	127.0	212	Sn	17:21:30.57			-0.92
PKB1	132.0	26	Pn	17:21:17.04			1.50

1678.

2020-12-19 time: 0:31:36.92 UTC ML= 1.3  
 lat: 45.752N lon: 18.052E h= 8.4 km  
 erh= 2.5km erz= 1.2km  
 nr= 10 gap=320 rms=0.26  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	21.8	46	Pg	0:31:41.36			0.27
			Sg		31:45.42		1.08
KOVH	37.6	6	Pg	0:31:43.82			0.02
			Sg		31:49.06		-0.11
PKSM	68.6	42	Pg	0:31:48.99			-0.27
			Sg		31:58.73		-0.15
MORH	69.0	42	Pg	0:31:49.11			-0.23
			Sg		31:58.88		-0.15
PKB1	128.2	26	Pn	0:31:59.18			0.32
			Sn		32:16.00		0.03

1679.

2020-12-19 time: 3:40:11.28 UTC ML= 1.3  
 lat: 45.766N lon: 17.958E h= 11.9 km  
 erh= 7.2km erz= 5.7km  
 nr= 10 gap=169 rms=0.76  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	26.6	59	Pg	3:40:16.66			0.17
			Sg		40:20.78		0.23
KOVH	37.5	17	Pg	3:40:19.06			0.75
			Sg		40:22.79		-1.00
PKSM	72.6	47	PgD	3:40:24.27			-0.14
			Sg		40:33.72		-0.93
MORH	73.0	47	PgD	3:40:24.30			-0.19
			Sg		40:34.07		-0.73
PKB3	120.4	53	Pn	3:40:33.25			1.44
BLY	128.3	208	Sn	3:40:48.21			-1.35

1680.

2020-12-19 time: 5:54:52.15 UTC ML= 1.4  
 lat: 46.258N lon: 17.317E h= 13.9 km  
 erh= 2.9km erz= 1.9km  
 nr= 17 gap=130 rms=0.73  
 Locality: Nagyatád  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	47.9	300	Pg	5:55:01.76			0.70

			Sg			55:07.64	-0.37
KOVH	63.3	107	Pg	5:55:03.99			0.26
			Sg			55:11.44	-1.32
PKSV	83.2	120	Pg	5:55:07.38			0.17
			Sg			55:18.12	-0.84
PKSM	102.3	93	P*	5:55:10.41			0.26
			S*			55:23.79	-0.40
MORH	102.5	93	Pn	5:55:10.46			0.28
			Sn			55:23.87	-0.37
MPLH	102.9	10	Sn	5:55:23.24			-1.08
PTJ	112.4	249	Sn	5:55:24.80			-1.64
PKST	124.1	26	Pn	5:55:12.39			-0.48
			Sn			55:28.41	-0.62
PKB1	127.4	63	Pn	5:55:14.51			1.22
			Sn			55:31.19	1.41
CRES	151.8	252	Sn	5:55:35.69			0.51

1681.

2020-12-19 time: 15:16:37.39 UTC ML= 1.6  
 lat: 45.786N lon: 18.048E h= 12.2 km  
 erh= 2.3km erz= 1.9km  
 nr= 13 gap=156 rms=0.37  
 Locality: Cún  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	19.5	54	PgD	15:16:41.49			-0.01
			Sg			16:45.11	0.41
KOVH	33.8	7	Pg	15:16:44.02			0.21
			Sg			16:49.18	0.36
PKSM	66.0	44	Pg	15:16:49.14			-0.23
			Sg			16:58.43	-0.29
MORH	66.5	44	PgD	15:16:49.17			-0.28
			Sg			16:58.41	-0.45
BEHE	124.3	308	Sn	15:17:14.00			-0.73
PKB1	124.9	27	Pn	15:16:59.08			0.64
BLY	133.7	210	Pn	15:16:59.60			0.06
			Sn			17:13.28	-3.54*
PTJ	162.8	274	Sn	15:17:22.88			-0.40
CRES	201.5	271	Sn	15:17:32.54			0.69

1682.

2020-12-20 time: 17:43:33.62 UTC ML= 1.5  
 lat: 45.620N lon: 18.053E h= 6.3 km  
 erh= 7.1km erz= 6.7km  
 nr= 14 gap=180 rms=0.95  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	33.6	27	Pg	17:43:40.70			0.96
			Sg			43:44.58	0.07
KOVH	52.2	4	Pg	17:43:43.02			0.01
			Sg			43:48.51	-1.83
PKSM	80.1	35	Pg	17:43:48.30			0.33
			Sg			43:57.70	-1.46
MORH	80.6	35	Pg	17:43:48.30			0.24
			Sg			43:57.94	-1.38
PKB4	106.3	24	Pg	17:43:52.75			0.10
			Sg			44:07.06	-0.43
BLY	118.5	215	Sn	17:44:08.97			-2.02
PKB1	141.5	24	Pn	17:43:58.83			1.35
KOGS	167.2	303	Sn	17:44:21.82			0.02
CRES	203.4	276	Sn	17:44:32.15			2.31

1683.

2020-12-21 time: 9:26:25.56 UTC ML= 0.9  
 lat: 47.189N lon: 18.206E h= 0.0 km  
 erh= 1.2km erz= 393km  
 nr= 11 gap=131 rms=0.31  
 Locality: Csőr  
 Comments: probably explosion

## Földrengés paraméterek

## Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKST	15.1	301	PgU	9:26:28.20	-0.06
			Sg	26:30.46	0.10
CSKK	19.7	12	Pg	9:26:28.82	-0.27
			Sg	26:31.59	-0.25
PKSG	26.5	32	Pg	9:26:30.26	-0.03
			Sg	26:34.33	0.35
MORH	113.3	163	Pg	9:26:46.10	0.31
			Sg	27:01.39	-0.19
PKSM	113.7	163	Pg	9:26:46.42	0.56
			Sg	27:01.08	-0.61
KOVH	122.7	184	Sg	9:27:04.15	-0.40

1684.

2020-12-21 time: 10:01:42.18 UTC ML= 1.4  
 lat: 47.847N lon: 16.035E h= 0.0 km  
 erh= 1.0km erz= 1.9km  
 nr= 9 gap=119 rms=0.78  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	15.8	305	Pg	10:01:45.38	0.38
			Sg	01:47.11	-0.10
RONA	25.5	130	Pg	10:01:47.09	0.35
			Sg	01:50.71	0.42
WINA	29.1	6	Pg	10:01:48.03	0.66
			Sg	01:52.13	0.71
ARSA	76.7	210	Sg	10:02:05.38	-1.19
KRUC	137.7	11	Pn	10:02:05.37	-1.01
			Sn	02:22.38	-2.87

1685.

2020-12-21 time: 10:07:21.84 UTC ML= 1.5  
 lat: 48.586N lon: 20.755E h= 0.0 km  
 erh= 4.5km erz= 861km  
 nr= 6 gap=191 rms=0.51  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.0	240	Pg	10:07:26.36	0.41
			Sg	07:29.22	0.08
ABAH	48.3	132	Pg	10:07:30.53	0.07
			Sg	07:37.66	0.48
PSZ	98.0	221	Sg	10:07:51.97	-1.02
KOLS	118.1	71	Sg	10:07:58.59	-0.79

1686.

2020-12-21 time: 12:05:27.32 UTC ML= 1.2  
 lat: 48.648N lon: 20.168E h= 0.0 km  
 erh= 4.6km erz= 984km  
 nr= 6 gap=171 rms=0.60  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	29.8	128	Pg	12:05:32.67	0.03
			Sg	05:36.53	-0.25
LANS	75.9	317	Pg	12:05:41.53	0.66
			Sg	05:50.59	-0.85
PSZ	83.7	194	Pg	12:05:42.61	0.35
			Sg	05:52.65	-1.26

1687.

2020-12-22 time: 8:45:07.55 UTC ML= 1.0  
 lat: 45.799N lon: 17.954E h= 18.7 km  
 erh= 3.5km erz= 1.1km  
 nr= 7 gap=313 rms=0.22  
 Locality: Piskó  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	25.2	67	Pg	8:45:13.41	0.26
			Sg	45:17.40	-0.13
KOVH	34.1	19	Pg	8:45:14.39	-0.10
			Sg	45:19.94	0.04
PKSM	70.3	49	P*	8:45:20.17	-0.06
MORH	70.7	49	P*	8:45:20.09	-0.21
			S*	45:31.06	0.82

1688.

2020-12-22 time: 9:49:32.70 UTC ML= 1.6  
 lat: 48.566N lon: 20.771E h= 0.0 km  
 erh= 1.8km erz= 2.7km  
 nr= 12 gap= 91 rms=0.65  
 Locality: Tornanádaska  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.0	246	Pg	9:49:37.10	0.30
			Sg	49:39.96	-0.05
ABAH	45.9	131	Pg	9:49:41.37	0.48
			Sg	49:47.14	-0.14
PSZ	97.1	222	Sg	9:50:03.86	0.30
NIE	100.6	341	Pg	9:49:51.41	0.76
LANS	115.6	304	Pg	9:49:53.47	0.13
			Sg	50:08.23	-1.21
KOLS	117.8	70	Sg	9:50:09.46	-0.67
TRPA	139.8	110	Sn	9:50:14.20	-2.03
VYHS	143.1	267	Pn	9:49:57.74	0.17
			Sn	50:15.81	-1.17

1689.

2020-12-22 time: 13:03:46.55 UTC ML= 1.6  
 lat: 47.845N lon: 16.016E h= 0.0 km  
 erh= 1.5km erz= 4.4km  
 nr= 13 gap=100 rms=0.60  
 Locality: Austria  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CONA	14.9	309	Pg	13:03:49.95	0.75
			Sg	03:51.04	-0.23
RONA	26.5	127	Pg	13:03:51.80	0.53
			Sg	03:55.21	0.25
WINA	29.5	8	Pg	13:03:52.41	0.59
			Sg	03:55.21	-0.73
SOP	44.4	114	Sg	13:04:00.73	0.06
ARSA	75.8	209	Pg	13:04:00.25	0.17
			Sg	04:09.61	-1.02
SMOL	128.7	55	Pg	13:04:09.61	0.07
KRUC	138.2	12	Sg	04:26.61	-0.86
			Pn	13:04:10.02	-0.80
			Sn	04:26.94	-2.81

1690.

2020-12-22 time: 19:52:28.05 UTC ML= 1.2  
 lat: 45.766N lon: 18.065E h= 17.2 km  
 erh= 1.8km erz= 0.7km  
 nr= 10 gap=164 rms=0.21  
 Locality: Cún  
 Comments:

### Hypocenter Parameters

sta	dist	azm	phase	hr	mn	sec	res
PKSV	19.9	47	Pg	19:52:32.77			0.03
			Sg	52:36.55			0.15
KOVH	35.9	4	Pg	19:52:35.18			0.03
			Sg	52:40.48			-0.21
PKSM	66.6	42	P*	19:52:40.36			0.04
			S*	52:49.58			-0.32
MORH	67.1	42	P*	19:52:40.46			0.07
			S*	52:49.66			-0.37
PKB4	91.2	27	P*	19:52:44.43			0.37
BLY	132.6	211	Pn	19:52:49.22			-0.20
			Sn	53:03.03			-3.06*

1691.

2020-12-23 time: 10:16:49.21 UTC ML= 0.6  
lat: 47.830N lon: 16.291E h= 14.0 km  
erh= 2.6km erz= 2.3km  
nr= 8 gap=126 rms=0.31  
Locality: Austria  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	14.5	178	Pg	10:16:52.98			0.17
			Sg	16:55.15			-0.46
SOP	25.9	129	Pg	10:16:54.36			-0.10
CONA	33.9	289	Pg	10:16:56.12			0.36
			Sg	17:00.34			-0.53
WINA	34.9	332	Pg	10:16:56.26			0.34
			Sg	17:00.85			-0.30
KRUC	137.2	3	Sn	10:17:28.82			-0.18

1692.

2020-12-23 time: 10:25:52.31 UTC ML= 1.4  
lat: 47.850N lon: 16.297E h= 8.5 km  
erh= 1.7km erz= 1.5km  
nr= 18 gap= 59 rms=0.67  
Locality: Austria  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
RONA	16.7	180	Pg	10:25:56.00			0.34
			Sg	25:58.14			-0.13
SOP	27.0	133	Pg	10:25:58.05			0.69
			Sg	26:01.33			0.03
WINA	33.1	330	Pg	10:25:59.05			0.63
			Sg	26:03.45			0.27
CONA	33.7	285	Pg	10:25:58.46			-0.06
			Sg	26:02.88			-0.48
ZST	71.3	57	Sg	10:26:14.11			-1.04
ARSA	88.5	221	Pg	10:26:07.59			-0.60
			Sg	26:18.78			-1.80
MPLH	120.3	129	Sn	10:26:28.34			-1.25
KRUC	134.9	3	Pn	10:26:15.29			0.21
			Sn	26:31.60			-1.24
PKST	146.3	117	Sn	10:26:36.07			0.70
MOA	152.0	270	Pn	10:26:18.12			0.91
			Sn	26:37.01			0.38
PERS	161.9	214	Sn	10:26:39.44			0.62

1693.

2020-12-23 time: 10:47:07.89 UTC ML= 1.4  
lat: 47.835N lon: 16.023E h= 0.0 km  
erh= 1.9km erz= 3.0km  
nr= 14 gap= 84 rms=0.75  
Locality: Austria  
Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CONA	15.9	311	Pg	10:47:11.31			0.58
			Sg	47:13.64			0.69
RONA	25.4	126	Pg	10:47:12.98			0.55
			Sg	47:17.05			1.08

### Földrengés paraméterek

sta	dist	azm	phase	hr	mn	sec	res
WINA	30.5	7	Pg	10:47:14.02			0.68
			Sg	47:17.70			0.11
ARSA	75.1	210	Pg	10:47:21.35			0.05
			Sg	47:30.79			-0.97
SMOL	129.0	54	Pg	10:47:30.51			-0.40
			Sg	47:47.33			-1.55
MOA	131.5	271	Pn	10:47:31.60			0.28
			Sn	47:48.84			-0.76
KRUC	139.2	11	Pn	10:47:31.40			-0.87
			Sn	47:49.07			-2.23

1694.

2020-12-24 time: 9:57:44.21 UTC ML= 2.2  
lat: 47.374N lon: 18.197E h= 11.3 km  
erh= 1.2km erz= 0.8km  
nr= 46 gap= 39 rms=0.68  
Locality: Mór  
Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	4.9	104	Pg	9:57:46.30			-0.11
			Sg	57:47.79			-0.34
PKSG	14.7	82	Pg	9:57:47.53			0.00
			Sg	57:49.99			-0.13
PKST	17.7	224	Pg	9:57:47.76			-0.21
			Sg	57:50.61			-0.28
SRO	49.7	10	Pg	9:57:53.32			0.01
MPLH	54.7	246	Pg	9:57:54.22			0.04
TIH	57.5	204	Pg	9:57:55.06			0.38
BUD	63.5	79	Pg	9:57:55.51			-0.23
			Sg	58:03.27			-1.46
EGYH	65.5	274	Pg	9:57:56.43			0.35
			Sg	58:04.87			-0.47
PKB1	79.6	145	Pg	9:58:00.47			1.90
			Sg	58:09.47			-0.29
PKS9	87.7	176	Pg	9:57:59.93			-0.07
PENC	93.8	60	Pg	9:58:00.97			-0.12
PKB4	102.3	162	S*	9:58:14.85			-1.86
PKB2	111.1	134	Pn	9:58:04.32			0.66
			Sn	58:17.79			-1.04
ZST	122.9	318	ePn	9:58:04.80			-0.32
			eSn	58:18.90			-2.53
SOP	128.1	286	Sn	9:58:21.85			-0.75
PKB3	130.1	144	Sn	9:58:22.79			-0.25
MORH	133.2	165	Pn	9:58:06.67			0.27
			Sn	58:22.29			-1.42
VYHS	133.4	21	Pn	9:58:07.28			0.85
			Sn	58:22.52			-1.25
PKSM	133.5	165	Pn	9:58:06.72			0.27
			Sn	58:22.40			-1.40
SMOL	139.2	336	Sn	9:58:24.97			-0.08
PSZ	141.2	65	Pn	9:58:08.11			0.71
KOVH	143.1	183	Sn	58:26.66			1.17
			Sn	9:58:26.07			0.15
RONA	147.6	284	Pn	9:58:08.92			0.71
			Sn	58:26.69			-0.24
PKSV	165.2	179	Sn	9:58:29.78			-1.03
CONA	186.0	289	Pn	9:58:12.98			-0.01
			Sn	58:35.72			0.28
ARSA	202.7	266	Pn	9:58:15.68			0.61
			Sn	58:38.24			-0.90
KECS	210.9	54	Pn	9:58:20.41			4.32*
GROS	229.0	244	Pn	9:58:19.10			0.74
KRUC	230.6	324	Pn	9:58:18.04			-0.51
			Pn	9:58:21.16			0.41
PERS	248.2	251	Sn	58:49.33			0.08
			Sn	9:58:50.40			0.80
ABAH	249.8	66	Sn	9:58:50.40			0.80
BZS	327.2	127	Pn	9:58:31.09			0.49*

## Földrengés paraméterek

## Hypocenter Parameters

1695.

Sn 35:03.86 -2.63\*

2020-12-24 time: 10:54:15.45 UTC ML= 1.6  
 lat: 46.330N lon: 19.668E h= 8.6 km  
 erh= 2.6km erz= 1.9km  
 nr= 22 gap=234 rms=0.64  
 Locality: Pusztamérges  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS6	31.0	345	Pg	10:54:21.52	0.32
			Sg	54:25.53	-0.15
PKB3	37.8	286	Pg	10:54:22.45	0.07
			Sg	54:28.12	0.34
PKS2	39.3	297	Pg	10:54:23.45	0.82
			Sg	54:28.82	0.58
PKB2	50.3	320	Sg	10:54:30.69	-0.99
			Sg	10:54:35.52	-0.73
PKSN	64.9	14	Sg	10:54:35.52	-0.73
			Sg	54:40.00	-0.99
MORH	79.9	261	Pg	10:54:29.55	-0.25
			Sg	54:40.00	-0.99
PKSM	80.2	261	Pg	10:54:29.93	0.08
			Sg	54:40.18	-0.90
PKB4	83.9	283	Pg	10:54:30.73	0.23
			Sg	54:41.90	-0.34
PKS7	88.7	334	Pg	10:54:32.01	0.66
			Sg	54:42.95	-0.81
BSZH	117.1	23	Pn	10:54:34.62	-1.36
KOVH	123.9	257	Pn	10:54:37.32	0.49
			Sn	54:53.11	-0.40
PKSG	153.0	320	Sn	10:55:00.18	0.22
PKST	161.9	310	Sn	10:55:03.05	1.11
PSZ	177.4	6	Sn	10:55:06.98	1.60

1696.

2020-12-24 time: 15:34:00.71 UTC ML= 2.0  
 lat: 48.756N lon: 17.838E h= 0.6 km  
 erh= 1.4km erz= 1.5km  
 nr= 33 gap= 81 rms=0.74  
 Locality: Slovakia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
SMOL	40.4	228	Pg	15:34:08.19	0.26
			Sg	34:14.57	1.00
VYHS	79.1	112	PgU	15:34:14.49	-0.35
			Sg	34:24.46	-1.40
ZST	82.7	221	ePg	15:34:15.00	-0.47
SRO	110.6	161	Pg	15:34:20.58	0.12
			Sg	34:35.07	-0.78
KRUC	111.1	288	Pg	15:34:20.63	0.07
			Sg	34:34.61	-1.43
MORC	115.6	349	Pg	15:34:21.46	0.10
			Sg	34:36.25	-1.21
LANS	127.2	70	Pg	15:34:24.07	0.65
			Sg	34:39.94	-1.20
WINA	149.2	241	Pn	15:34:26.20	-0.08
			Sn	34:44.54	-1.68
PENC	151.7	135	Pn	15:34:27.41	0.82
			Sn	34:46.01	-0.76
PKSG	157.1	165	Sn	15:34:47.42	-0.56
RONA	164.1	224	Pn	15:34:28.49	0.36
			Sn	34:49.28	-0.24
KRLC	165.6	332	Pn	15:34:29.39	1.07
			Sn	34:49.98	0.12
CONA	173.0	238	Pn	15:34:29.64	0.39
			Sn	34:51.79	0.28
MPLH	177.7	187	Pn	15:34:30.85	1.02
			Sn	34:52.34	-0.21
PSZ	178.6	121	Sn	15:34:53.04	0.29
TREC	182.1	289	eSn	15:34:53.90	0.37
KECS	197.5	99	ePn	15:34:34.20	1.89
			eSn	34:56.60	-0.35
UPC	235.3	326	eSn	15:35:08.50	3.17*
ARSA	240.5	226	Pn	15:34:36.57	-1.10

1697.

2020-12-24 time: 16:21:16.81 UTC ML= 1.0  
 lat: 47.985N lon: 20.972E h= 10.0 km  
 erh= 2.4km erz= 3.7km  
 nr= 7 gap= 81 rms=0.56  
 Locality: Girincs  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ABAH	39.9	30	Pg	16:21:25.07	0.91
			Sg	21:29.64	-0.25
KECS	66.1	327	Sg	16:21:37.33	-0.74
PSZ	80.8	265	Sg	16:21:42.30	-0.39
BSZH	92.8	215	Sg	16:21:46.71	0.23
LTVH	96.5	134	Sg	16:21:47.37	-0.29
TRPA	118.0	82	Sn	16:21:52.99	-0.25

1698.

2020-12-25 time: 5:22:46.40 UTC ML= 1.5  
 lat: 47.234N lon: 17.559E h= 5.2 km  
 erh= 1.8km erz= 1.8km  
 nr= 19 gap= 74 rms=0.73  
 Locality: Döbrönte  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	7.2	192	Pg	5:22:47.46	-0.54
			Sg	22:48.63	-0.61
EGYH	26.7	320	Pg	5:22:51.65	0.39
			Sg	22:55.83	0.79
TIH	44.9	146	Pg	5:22:54.83	0.35
CSKK	55.0	75	Sg	5:23:02.99	-0.96
PKSG	65.3	74	Pg	5:22:57.84	-0.26
			Sg	23:06.05	-1.17
SRO	85.9	41	ePg	5:23:02.70	0.93
			eSg	23:14.30	0.54
SOP	90.5	304	Sg	5:23:14.21	-1.01
RONA	108.4	299	Pg	5:23:05.39	-0.39
KOGS	132.6	229	Pn	5:23:09.04	-0.26
KOVH	133.9	162	Pn	5:23:10.61	1.15
			Sn	23:26.66	-0.78
MORH	140.3	144	Sn	5:23:28.19	-0.68
PKSM	140.5	144	Pn	5:23:11.40	1.11
			Sn	23:28.17	-0.75
VYHS	169.6	34	ePn	5:23:14.80	0.89

1699.

2020-12-25 time: 5:42:33.67 UTC ML= 1.8  
 lat: 47.237N lon: 17.536E h= 5.5 km  
 erh= 1.3km erz= 1.2km  
 nr= 37 gap= 56 rms=0.71  
 Locality: Ganna  
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	7.5	178	PgD	5:42:34.95	-0.38
			Sg	42:36.27	-0.36
EGYH	25.2	322	Pg	5:42:39.01	0.73
			Sg	42:42.48	0.60
TIH	46.3	144	Pg	5:42:42.31	0.31
CSKK	56.6	76	Pg	5:42:43.78	-0.04
PKSG	66.9	75	Sg	42:50.65	-1.08
			Pg	5:42:45.31	-0.34
SRO	86.8	42	Sg	42:54.42	-0.58
			Pg	5:42:49.98	0.79
SOP	88.8	304	Pg	5:42:48.96	-0.60
BEHE	103.1	214	Pg	5:42:52.41	0.29
RONA	106.6	299	Pg	5:42:52.81	0.07
			Sg	43:06.49	-1.12

## Hypocenter Parameters

PKB1 108.0 118 Pg 5:42:53.56 0.58  
 Sg 43:06.92 -1.13  
 ZST 111.4 343 eSg 5:43:06.80 -2.34  
 PKB4 115.8 135 Pg 5:42:55.00 0.62  
 Sg 43:08.97 -1.56  
 KOVH 134.8 161 Pn 5:42:58.33 1.52  
 Sn 43:14.14 -0.72  
 MORH 141.7 143 Pn 5:42:58.53 0.86  
 Sn 43:15.77 -0.61  
 PKSM 141.9 143 Pn 5:42:58.27 0.58  
 Sn 43:15.77 -0.66  
 SMOL 142.1 357 Sn 5:43:16.70 0.22  
 WINA 146.4 311 Pn 5:42:58.32 0.07  
 Sn 43:15.88 -1.54  
 CONA 147.5 301 Pn 5:42:58.56 0.17  
 Sn 43:17.53 -0.14  
 ARSA 152.4 271 Pn 5:42:59.26 0.26  
 Sn 43:18.33 -0.43  
 VYHS 170.2 35 Pn 5:43:01.71 0.48  
 Sn 43:22.36 -0.36  
 MOA 255.4 285 Pn 5:43:17.20 5.36\*  
 Sn 43:42.10 0.48  
 AMBH 262.8 112 Pn 5:43:13.22 0.46

1700.

2020-12-25 time: 8:43:35.86 UTC ML= 1.8  
 lat: 48.499N lon: 17.438E h= 0.0 km  
 erh= 1.2km erz= 1.6km  
 nr= 17 gap= 93 rms=0.42  
 Locality: Slovakia  
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
SMOL	1.8	337	PgD	8:43:36.00	-0.18
			Sg	43:36.63	0.20
ZST	41.9	216	ePg	8:43:43.70	0.36
			eSg	43:48.80	-0.37
KRUC	98.9	309	Pg	8:43:53.72	0.19
			Sg	44:06.67	-0.64
VYHS	103.3	90	ePg	8:43:54.90	0.59
			eSg	44:07.60	-1.11
WINA	110.2	247	Pg	8:43:55.85	0.31
			Sg	44:10.69	-0.21
EGYH	120.6	184	Sg	8:44:13.62	-0.56
RONA	123.0	224	Pg	8:43:58.44	0.61
			Sg	44:14.61	-0.35
CONA	133.2	242	Pn	8:43:59.52	0.01
			Sn	44:17.33	-0.62
MORC	142.3	3	Pn	8:44:00.42	-0.22
			Sn	44:16.84	-3.12*
KRLC	181.7	345	Sn	8:44:28.84	0.13

1701.

2020-12-25 time: 14:11:23.74 UTC ML= 0.8  
 lat: 45.788N lon: 18.073E h= 17.6 km  
 erh= 1.0km erz= 0.3km  
 nr= 8 gap=312 rms=0.08  
 Locality: Cún  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	17.8	51	Pg	14:11:28.16	-0.06
			Sg	11:31.80	0.09
KOVH	33.4	4	Pg	14:11:30.55	0.06
			Sg	11:35.74	-0.01
PKSM	64.5	43	P*	14:11:35.49	-0.15
			S*	11:44.91	-0.01
MORH	64.9	43	P*	14:11:35.79	0.08
			S*	11:45.11	0.06

## Földrengés paraméterek

1702.

2020-12-26 time: 0:59:20.06 UTC ML= 1.5  
 lat: 45.708N lon: 17.978E h= 8.9 km  
 erh= 6.5km erz= 5.8km  
 nr= 12 gap=162 rms=0.71  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	29.2	47	Pg	0:59:26.00	0.48
			Sg	59:29.78	0.00
KOVH	43.3	13	PgD	0:59:28.32	0.37
			Sg	59:33.74	-0.36
PKSM	76.0	43	Pg	0:59:33.54	-0.19
			Sg	59:42.93	-1.45
MORH	76.5	42	PgD	0:59:33.64	-0.17
			Sg	59:43.01	-1.52
PKB4	100.1	29	Pg	0:59:38.26	0.26
			Sg	59:52.22	0.23
PKB3	123.2	50	Pn	0:59:42.61	1.28
BLY	123.5	210	Sn	0:59:56.71	-1.28

1703.

2020-12-26 time: 16:47:00.98 UTC ML= 0.4  
 lat: 47.375N lon: 18.200E h= 5.7 km  
 erh= 8.9km erz= 4.4km  
 nr= 6 gap=218 rms=0.23  
 Locality: Mór  
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.8	106	Pg	16:47:02.66	0.35
			Sg	47:03.22	-0.12
PKSG	14.6	83	Pg	16:47:03.80	0.03
			Sg	47:05.46	-0.49
PKST	17.9	224	Pg	16:47:04.25	-0.09
			Sg	47:06.93	-0.03

1704.

2020-12-28 time: 10:43:29.14 UTC ML= 1.9  
 lat: 45.694N lon: 18.017E h= 10.5 km  
 erh= 3.0km erz= 2.0km  
 nr= 15 gap=164 rms=0.51  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	28.3	40	Pg	10:43:35.13	0.60
			Sg	43:38.50	-0.24
KOVH	44.3	8	PgD	10:43:37.54	0.27
			Sg	43:42.93	-0.68
PKSM	75.2	40	PgD	10:43:42.73	0.03
			Sg	43:52.08	-1.19
MORH	75.7	40	Pg	10:43:42.78	0.00
			Sg	43:52.12	-1.31
PKB4	100.1	27	Pg	10:43:47.08	-0.03
			Sg	44:01.08	-0.04
PKB5	114.5	29	Pn	10:43:49.63	0.52
PKB3	122.0	48	Sn	10:44:07.11	0.75
BLY	123.8	212	Pn	10:43:50.28	0.01
			Sn	44:05.70	-1.05
BEHE	129.1	312	Sn	10:44:08.07	0.14

1705.

2020-12-29 time: 21:57:36.21 UTC ML= 2.9  
 lat: 45.550N lon: 16.239E h= 8.2 km  
 erh= 2.4km erz= 1.7km  
 nr= 25 gap=157 rms=0.65  
 Locality: Croatia  
 Comments:



Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
ZAG	36.4	328	Pg	21:57:43.37	0.50
			Sg	57:48.66	0.59
PTJ	44.6	331	Pg	21:57:44.88	0.57
			Sg	57:51.16	0.53
CRES	68.2	297	Pg	21:57:48.75	0.27
			Sg	57:56.91	-1.14
KOGS	99.8	0	Pg	21:57:52.63	-1.47
			Sg	58:07.54	-0.50
BEHE	110.4	22	Pn	21:57:56.21	0.25
			Sn	58:10.80	-0.57
BLY	116.0	140	Pn	21:57:56.46	-0.20
			Sn	58:09.44	-3.18*
GROS	116.2	331	Pn	21:57:56.66	-0.04
			Sn	58:11.93	-0.74
PERS	148.6	324	Pn	21:58:00.33	-0.41
			Sn	58:20.10	0.23
SOKA	156.2	323	Sn	21:58:22.29	0.74
KOVH	156.5	68	Pn	21:58:01.39	-0.32
PKSV	161.2	77	Sn	21:58:23.71	1.06
OBKA	168.8	309	Pn	21:58:03.66	0.41
PKSM	200.5	68	Pn	21:58:06.72	-0.48
MORH	200.8	68	Pn	21:58:07.86	0.62
RONA	239.0	1	Pn	21:58:13.10	1.10
CONA	265.9	354	Pn	21:58:16.29	0.93
WINA	284.5	357	Pn	21:58:18.36	0.68

1706.

2020-12-30 time: 1:11:37.28 UTC ML= 2.4  
 lat: 45.525N lon: 16.027E h= 5.3 km  
 erh= 1.8km erz= 1.5km  
 nr= 38 gap=134 rms=0.68  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	33.9	356	Pg	1:11:43.92	0.50
			Sg	11:48.75	0.55
PTJ	42.1	353	Pg	1:11:45.11	0.26
			Sg	11:50.26	-0.50
GCIS	49.2	321	iPg	1:11:46.07	-0.04
			iSg	11:52.56	-0.44
CRES	55.6	307	Pg	1:11:47.53	0.27
			Sg	11:54.83	-0.21
BOJS	60.6	268	iPg	1:11:48.09	-0.05
			iSg	11:56.04	-0.57
GOLS	62.4	330	iPg	1:11:49.28	0.81
LEGS	72.6	311	iPg	1:11:50.60	0.32
			eSg	11:59.48	-0.93
DOBS	81.9	328	iPg	1:11:51.88	-0.05
			iSg	12:03.72	0.37
VISS	97.6	289	iPg	1:11:54.35	-0.38
KOGS	104.1	10	Pg	1:11:55.53	-0.37
			Sg	12:08.73	-1.69
GROS	111.7	339	Pg	1:11:56.82	-0.44
			Sg	12:10.66	-2.18
BEHE	120.1	29	Pn	1:11:58.58	-0.02
			Sn	12:13.36	-1.88
VNDS	121.3	302	iPn	1:11:58.54	-0.22
			iSn	12:13.97	-1.55
BLY	125.4	133	Pn	1:11:59.08	-0.19
			Sn	12:14.46	-1.95
CEY	127.0	281	iPn	1:11:59.74	0.27
SOKA	149.5	329	Sn	1:12:22.34	0.58
CRNS	150.5	294	iPn	1:12:03.00	0.60
OBKA	158.3	314	Pn	1:12:04.63	1.25
			Sn	12:23.74	0.01
TRI	177.6	277	Sn	1:12:29.52	1.50
PKSV	178.0	77	Sn	1:12:28.43	0.34
ARSA	195.7	349	Pn	1:12:09.60	1.56
			Sn	12:32.71	0.68
PKSM	216.9	69	Sn	1:12:38.15	1.41
MORH	217.3	69	Sn	1:12:37.98	1.16

RONA 242.7 5 Pn 1:12:13.83 -0.06

1707.

2020-12-30 time: 2:17:28.18 UTC ML= 2.6  
 lat: 45.519N lon: 16.167E h= 12.7 km  
 erh= 2.0km erz= 1.3km  
 nr= 13 gap=226 rms=0.30  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	37.0	339	Pg	2:17:35.24	0.07
			Sg	17:41.35	0.73
PTJ	45.4	339	Pg	2:17:36.05	-0.54
			Sg	17:43.03	-0.13
CRES	65.0	302	Pg	2:17:40.02	0.01
			Sg	17:49.03	-0.21
KOGS	103.5	4	P*	2:17:46.64	0.16
			S*	18:00.99	0.23
BEHE	115.7	24	Pn	2:17:48.01	-0.02
			Sn	18:03.18	-0.32
GROS	116.7	334	Sn	2:18:03.84	0.12
BLY	117.1	137	Sn	2:17:58.39	-5.43*
PKSV	167.5	76	Pn	2:17:54.78	0.30
			Sn	18:14.73	-0.26

1708.

2020-12-30 time: 2:17:53.47 UTC ML= 2.4  
 lat: 45.570N lon: 16.088E h= 13.2 km  
 erh= 3.2km erz= 1.3km  
 nr= 10 gap=272 rms=0.37  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	29.6	346	Pg	2:17:59.53	0.27
			Sg	18:04.51	0.74
PTJ	38.0	345	Pg	2:18:00.54	-0.10
			Sg	18:05.84	-0.40
CRES	56.7	300	Pg	2:18:03.65	-0.22
			Sg	18:11.84	-0.14
KOGS	98.4	7	S*	2:18:24.11	-0.46
GROS	108.9	335	Pn	2:18:12.96	0.57
			Sn	18:26.86	-0.29
BEHE	113.3	28	Sn	2:18:27.87	-0.27

1709.

2020-12-30 time: 4:22:48.64 UTC ML= 2.5  
 lat: 45.510N lon: 16.184E h= 10.8 km  
 erh= 2.2km erz= 1.5km  
 nr= 27 gap=165 rms=0.56  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	38.4	337	Pg	4:22:56.09	0.33
			Sg	23:01.11	-0.21
PTJ	46.8	338	Pg	4:22:57.46	0.25
			Sg	23:03.14	-0.75
CRES	66.7	302	Pg	4:23:00.36	-0.34
KOGS	104.4	3	P*	4:23:07.06	-0.18
			S*	23:21.23	-0.53
BLY	115.5	137	Pn	4:23:08.62	-0.07
			Sn	23:23.54	-0.79
BEHE	116.1	23	Pn	4:23:09.54	0.78
GROS	118.2	333	Pn	4:23:09.37	0.35
PERS	149.9	327	Pn	4:23:12.81	-0.17
SOKA	157.4	326	Pn	4:23:14.60	0.69
			Sn	23:33.30	-0.33
KOVH	162.2	67	Pn	4:23:13.73	-0.78
PKSV	166.4	75	Pn	4:23:17.46	2.42
			Sn	23:36.62	0.99

## Hypocenter Parameters

OBKA 168.4 311 Pn 4:23:15.80 0.51  
 Sn 23:35.66 -0.41  
 ARSA 200.0 345 Pn 4:23:19.50 0.28  
 MORH 206.5 68 Pn 4:23:19.04 -0.99  
 PKST 240.9 36 Pn 4:23:23.94 -0.38  
 RONA 243.5 2 Pn 4:23:25.66 1.01  
 CONA 269.9 355 Pn 4:23:28.16 0.22  
 Sn 23:56.58 -2.02\*  
 WINA 288.8 358 Pn 4:23:30.62 0.32  
 Sn 24:01.74 -1.05  
 MOA 298.6 331 Sn 4:24:03.43 -1.53\*  
 ABTA 315.3 296 Pn 4:23:34.36 0.76\*

1710.

2020-12-30 time: 20:50:11.52 UTC ML= 2.5  
 lat: 45.507N lon: 16.176E h= 8.1 km  
 erh= 2.9km erz= 1.6km  
 nr= 20 gap=201 rms=0.61  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	38.5	338	Pg	20:50	19.33		0.79
			Sg		50:25.03		1.01
PTJ	46.8	339	Pg	20:50	20.24		0.23
			Sg		50:26.56		-0.07
CRES	66.3	302	Pg	20:50	22.82		-0.63
			Sg		50:32.21		-0.54
KOGS	104.8	3	Pg	20:50	29.95		-0.34
			Sg		50:44.11		-0.81
BEHE	116.7	23	Sn	20:50	47.23		-0.88
GROS	118.2	334	Pn	20:50	32.01		-0.25
			Sn		50:47.53		-0.91
PERS	149.8	327	Pn	20:50	35.98		-0.23
			Sn		50:56.31		0.84
SOKA	157.3	326	Sn	20:50	58.47		1.34
KOVH	163.0	67	Sn	20:50	58.52		0.14
PKSV	167.2	75	Sn	20:50	59.48		0.16
OBKA	168.2	311	Pn	20:50	38.41		-0.09
			Sn		51:00.11		0.58
TRI	189.5	277	Sn	20:51	04.85		0.59
RONA	243.9	2	Pn	20:50	49.08		1.14

1711.

2020-12-31 time: 1:51:38.29 UTC ML= 2.2  
 lat: 45.513N lon: 16.375E h= 12.7 km  
 erh= 4.7km erz= 3.5km  
 nr= 17 gap=153 rms=0.82  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
ZAG	46.0	320	Pg	1:51	46.69		-0.12
			Sg		51:53.29		-0.17
PTJ	53.9	323	Sg	1:51	54.59		-1.31
CRES	79.6	296	Pg	1:51	53.26		0.58
			Sg		52:01.66		-2.24
KOGS	104.4	355	Pn	1:51	58.11		1.39
			Sn		52:10.95		-0.14
BLY	106.1	143	Pn	1:51	56.64		-0.28
BEHE	110.9	16	Pn	1:51	58.89		1.37
GROS	125.3	327	Pn	1:51	59.38		0.07
			Sn		52:14.39		-1.32
KOVH	148.6	64	Pn	1:52	02.16		-0.06
			Sn		52:20.03		-0.86
PKSV	152.1	74	Sn	1:52	20.56		-1.10
PERS	158.3	322	Pn	1:52	03.76		0.33
PKSM	192.4	66	Pn	1:52	07.43		-0.26
MORH	192.8	66	Pn	1:52	07.53		-0.20

## Földrengés paraméterek

1712.

2020-12-31 time: 2:11:22.12 UTC ML= 1.5  
 lat: 47.372N lon: 18.415E h= 7.7 km  
 erh= 1.6km erz= 1.3km  
 nr= 17 gap= 90 rms=0.53  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	2.9	321	PgU	2:11	23.31		-0.29
			Sg		11:23.99		-0.75
CSKK	11.7	265	PgU	2:11	24.66		0.03
			Sg		11:26.51		-0.07
PKST	31.4	246	Pg	2:11	27.81		-0.09
			Sg		11:32.09		-0.31
PBUD	46.3	77	Sg	2:11	36.68		-0.36
BUD	47.6	75	Sg	2:11	35.98		-1.47
SRO	49.7	351	Sg	2:11	38.55		0.45
PKS7	67.1	123	Pg	2:11	34.09		-0.09
PKB1	71.3	156	Pg	2:11	35.43		0.49
A338	71.7	356	Pg	2:11	35.95		0.95
PENC	80.1	54	Sg	2:11	47.62		-0.09
PSZ	126.7	61	Pn	2:11	44.29		0.32
			Sn		11:59.61		-1.40
VYHS	128.7	14	Pn	2:11	44.76		0.54
			Sn		12:00.78		-0.67

1713.

2020-12-31 time: 2:30:45.04 UTC ML= 0.3  
 lat: 47.339N lon: 18.452E h= 6.1 km  
 erh= 2.2km erz= 2.3km  
 nr= 8 gap=211 rms=0.29  
 Locality: Zámoly  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.5	322	PgU	2:30	46.74		-0.02
			Sg		30:47.54		-0.56
CSKK	14.7	280	Pg	2:30	48.25		0.37
			Sg		30:49.94		-0.16
PKST	32.8	254	Pg	2:30	51.26		0.26
			Sg		30:55.39		-0.26
PKB4	94.4	173	Sg	2:31	15.15		0.04
PKSM	126.1	173	Sn	2:31	23.77		-0.41

1714.

2020-12-31 time: 3:31:29.35 UTC ML= 0.7  
 lat: 47.376N lon: 18.415E h= 9.1 km  
 erh= 3.2km erz= 1.8km  
 nr= 10 gap=111 rms=0.40  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	2.5	313	PgU	3:31	30.87		-0.17
			Sg		31:31.65		-0.71
CSKK	11.8	263	Pg	3:31	32.24		0.23
			Sg		31:34.19		0.10
PKST	31.6	246	Pg	3:31	35.44		0.21
			Sg		31:39.77		-0.04
PSZ	126.4	62	Sn	3:32	08.06		0.20
MORH	130.2	172	Sn	3:32	07.99		-0.70
PKSM	130.6	172	Pn	3:31	52.10		0.60
			Sn		32:08.02		-0.76

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

1715.  


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 2020-12-31 time: 3:33:49.65 UTC ML= 1.2  
 lat: 47.352N lon: 18.420E h= 4.4 km  
 erh= 3.5km erz= 4.4km  
 nr= 6 gap=277 rms=0.18  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	5.0	334	PgU	3:33:50.75	-0.09
			Sg	33:51.61	-0.15
CSKK	12.1	276	Pg	3:33:52.11	0.16
			Sg	33:54.03	0.28
PKST	30.9	251	Pg	3:33:55.25	0.02
			Sg	33:59.20	-0.38

1716.  


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 2020-12-31 time: 6:04:32.96 UTC ML= 1.1  
 lat: 47.401N lon: 18.399E h= 7.6 km  
 erh= 0.9km erz= 0.2km  
 nr= 6 gap=324 rms=0.21  
 Locality: Gánt  
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	1.2	212	PgU	6:04:34.27	-0.06
			Sg	04:35.17	-0.23
CSKK	11.3	248	Pg	6:04:35.67	0.28
			Sg	04:37.55	0.27
PKST	31.8	240	Pg	6:04:38.72	-0.07
			Sg	04:43.03	-0.31

1717.  


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 2020-12-31 time: 7:51:28.77 UTC ML= 2.3  
 lat: 46.099N lon: 16.465E h= 12.2 km  
 erh= 1.3km erz= 1.0km  
 nr= 33 gap= 71 rms=0.56  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	42.2	337	Pg	7:51:36.21	-0.40
PTJ	45.1	241	Pg	7:51:37.11	-0.01
			Sg	51:42.51	-1.12
ZAG	47.3	231	Pg	7:51:38.11	0.61
			Sg	51:44.64	0.34
BEHE	47.7	30	Pg	7:51:37.78	0.22
			Sg	51:44.30	-0.11
CRES	83.9	249	Pg	7:51:43.93	0.02
			Sg	51:54.57	-1.14
KOVH	126.4	91	Pn	7:51:49.81	-0.20
			Sn	52:05.39	-1.18
SOKA	127.6	300	Pn	7:51:50.50	0.34
			Sn	52:05.66	-1.18
PKSV	140.4	100	Pn	7:51:51.77	0.02
			Sn	52:09.94	0.26
ARSA	146.9	331	Pn	7:51:53.01	0.45
			Sn	52:11.67	0.55
OBKA	154.5	287	Pn	7:51:53.95	0.44
			Sn	52:12.58	-0.23
BLY	160.3	159	Sn	7:52:14.48	0.39
			Pn	7:51:54.72	-0.54
PKSM	168.6	86	Sn	52:15.38	-0.55
			Pn	7:51:55.07	-0.23
PKST	176.2	43	Pn	7:51:56.59	0.38
RONA	178.4	356	Pn	7:51:57.18	0.69
			Sn	52:17.09	-1.02
PKB1	194.4	67	Pn	7:51:59.28	0.80
			Sn	52:25.98	4.33*
CONA	208.4	347	Pn	7:52:00.88	0.64
			Sn	52:24.55	-0.23
PKB2	222.9	73	Sn	7:52:35.01	7.01*

MOA	256.6	319	Pn	7:52:07.74	1.49
			Sn	52:35.41	-0.07
BIOA	278.8	309	Pn	7:52:10.03	1.02
			Sn	52:40.53	0.13
VYHS	321.0	34	ePn	7:52:15.00	0.73*
			eSn	52:47.90	-1.86*

1718.  


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 2020-12-31 time: 16:52:09.63 UTC ML= 2.2  
 lat: 45.529N lon: 16.098E h= 11.6 km  
 erh= 2.1km erz= 1.4km  
 nr= 22 gap=168 rms=0.55  
 Locality: Croatia  
 Comments:

sta	dist	azm	phase	hr mn sec	res
ZAG	34.3	346	Sg	16:52:21.38	0.24
PTJ	42.6	345	Pg	16:52:17.22	-0.30
			Sg	52:23.18	-0.50
CRES	59.9	303	Pg	16:52:20.36	-0.16
			Sg	52:29.16	0.14
KOGS	102.8	7	P*	16:52:28.31	0.38
			S*	52:42.01	-0.19
GROS	113.4	336	Pn	16:52:29.64	0.32
			Sn	52:43.74	-0.93
BEHE	117.0	27	Pn	16:52:29.85	0.09
			Sn	52:44.82	-0.65
BLY	121.7	135	Pn	16:52:30.35	0.00
			Sn	52:45.53	-0.98
PERS	144.6	328	Pn	16:52:33.89	0.69
			Sn	52:50.81	-0.77
SOKA	152.0	327	Sn	16:52:52.98	-0.25
			Pn	16:52:38.41	3.03
OBKA	162.1	312	Sn	52:58.28	2.81
			Sn	16:52:56.70	0.01
PKSV	172.4	77	Sn	16:52:57.72	-0.05
ARSA	196.4	347	Pn	16:52:40.56	0.90
RONA	241.8	4	Pn	16:52:47.10	1.78

1719.  


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 2020-12-31 time: 20:54:14.76 UTC ML= 1.6  
 lat: 48.330N lon: 22.241E h= 11.0 km  
 erh= 2.3km erz= 2.0km  
 nr= 14 gap=126 rms=0.64  
 Locality: Tiszamogyorós  
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	31.4	135	Pg	20:54:21.04	0.34
			Sg	54:24.97	-0.36
KOLS	67.1	2	Pg	20:54:27.39	0.49
			Sg	54:35.55	-0.82
ABAH	74.4	267	PgU	20:54:28.09	-0.10
			Sg	54:37.36	-1.31
LTVH	108.2	194	Pn	20:54:34.02	0.14
			Sn	54:47.91	-0.88
BMR	118.9	128	Pn	20:54:35.56	0.35
			Sn	54:49.57	-1.59
KECS	131.1	277	Pn	20:54:37.32	0.59
			Sn	54:53.72	-0.16
DRGR	174.7	168	Sn	20:55:04.28	0.73
PSZ	180.6	255	Sn	20:55:07.00	2.13

1720.  

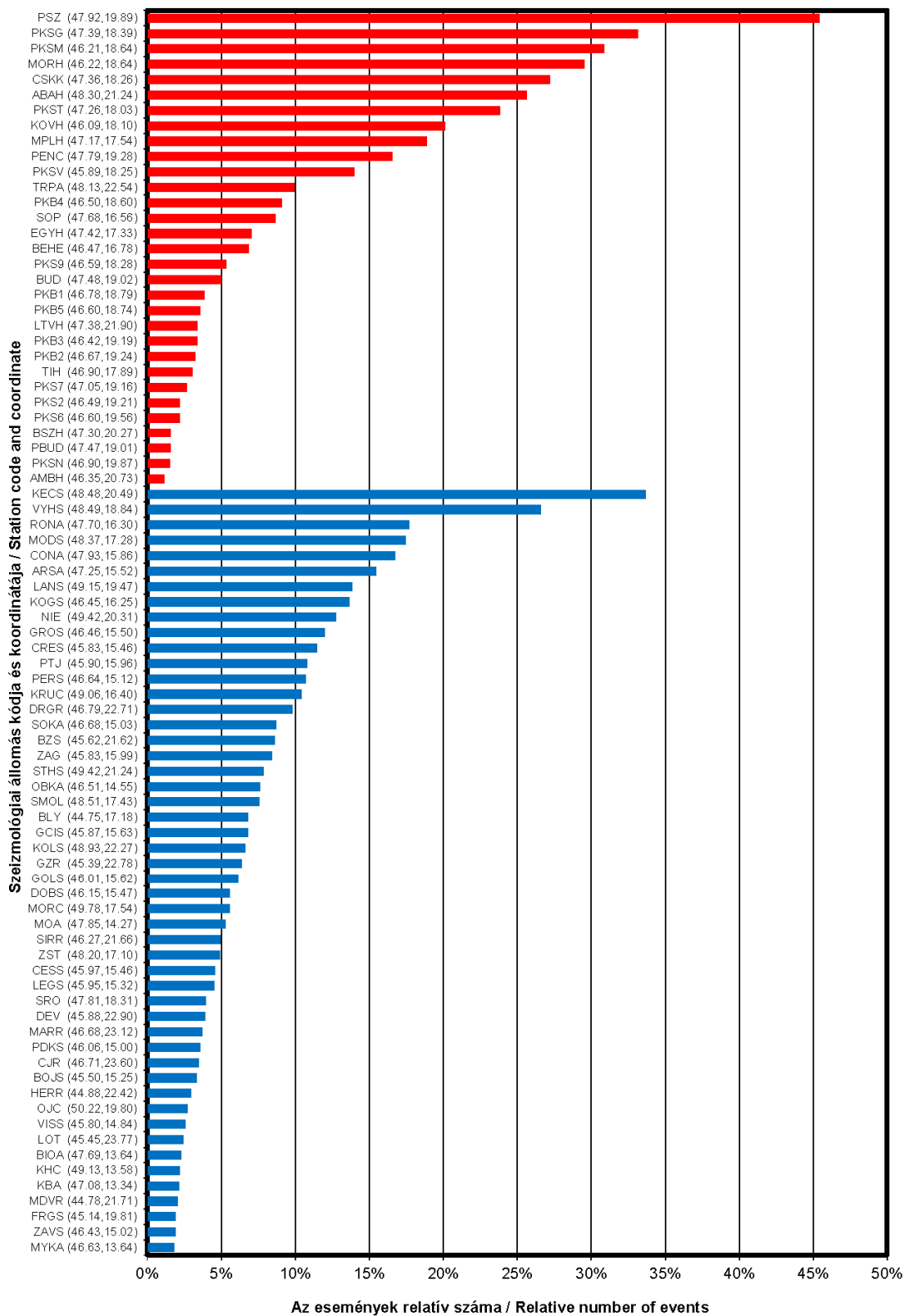

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 2020-12-31 time: 22:40:55.20 UTC ML= 2.2  
 lat: 45.545N lon: 16.076E h= 10.8 km  
 erh= 2.3km erz= 1.5km  
 nr= 23 gap=140 rms=0.62  
 Locality: Croatia  
 Comments:

## Hypocenter Parameters

sta	dist	azm	phase	hr	mn	sec	res
ZAG	32.2	348	Pg	22:41:01.51			0.25
			Sg		41:06.62		0.63
PTJ	40.5	347	Pg	22:41:02.74			0.06
			Sg		41:08.09		-0.43
CRES	57.5	303	Pg	22:41:05.21			-0.43
			Sg		41:12.27		-1.52
KOGS	101.2	8	P*	22:41:13.23			-0.10
			S*		41:26.58		-0.90
GROS	111.1	336	Pn	22:41:14.42			-0.28
			Sn		41:28.29		-1.62
BEHE	116.2	28	Pn	22:41:15.52			0.19
			Sn		41:30.56		-0.48
BLY	124.2	135	Pn	22:41:16.39			0.06
			Sn		41:31.43		-1.39
PERS	142.1	329	Pn	22:41:19.24			0.67
			Sn		41:37.11		0.31
SOKA	149.5	327	Pn	22:41:19.25			-0.24
			Sn		41:39.37		0.93
OBKA	159.6	312	Pn	22:41:21.57			0.82
			Sn		41:41.39		0.72
PKSV	173.6	77	Sn	22:41:45.05			1.26
TRI	181.2	276	Pn	22:41:23.99			0.54
RONA	240.1	4	Pn	22:41:31.67			0.89

## Földrengés paraméterek



3.4. ábra Az egyes állomások részvétele a hipocentrum meghatározásban

Figure 3.4. Participation of individual stations in hypocentre definition

## 4.

### JELENTŐS FÖLDRENGÉSEK 2020-BAN (Magyarországon érezhető földrengések)

2020. január 5.	–	Surd
2020. június 1.	–	Jánossomorja
2020. június 3.	–	Somogyszob
2020. június 26.	–	Horvátország
2020. augusztus 15.	–	Fürged
2020. október 10.	–	Alsózsolca
2020. október 10.	–	Nagykáta
2020. október 19.	–	Alsózsolca
2020. december 28.	–	Horvátország
2020. december 29.	–	Horvátország

#### AZ INTENZITÁS ELOSZLÁS MEGHATÁROZÁSA

A Magyarországon érezhető földrengések intenzitás eloszlását a ShakeMap program (Field et al., 2003) segítségével modelleztük.

Az intenzitás leírása az *Európai Makroszeizmikus Skála (EMS)* szerint történik, mely részletesen megtalálható Grünthal (1998) munkájában. (*A Melléklet*)

## 4.

### SIGNIFICANT EARTHQUAKES IN 2020

(Earthquakes felt in Hungary)

5 January 2020	–	Surd
1 June 2020	–	Jánossomorja
3 June 2020	–	Somogyszob
26 June 2020	–	Croatia
15 August 2020	–	Fürged
10 October 2020	–	Alsózsolca
10 October 2020	–	Nagykáta
19 October 2020	–	Alsózsolca
28 December 2020	–	Croatia
29 December 2020	–	Croatia

#### **METHOD USED FOR ESTIMATION OF INTENSITY**

Intensity distribution of earthquakes felt in Hungary has been calculated by ShakeMap program (Field et al., 2003).

The assigned intensities correspond to the *European Macroseismic Scale 1998 (EMS)* edited by Grünthal (1998). (*Appendix A*)

**2020. január 5. - Surd / 5 January 2020 - Surd****FÉSZEKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/01/05
Kipattanási idő / Origin Time:	01:13:22.19 UTC
Szélesség és hosszúság / Latitude and Longitude:	46.327 N 16.956 E (S.D. 1.0 km)
Mélység / Depth:	11.4 km (S.D. 0.8 km)
Magnitúdó / Magnitude:	3.5 ML
Maximális intenzitás / Maximum Intensity:	4 EMS

**LEÍRÁS**

Január 5-én éjjel 3.5 ML magnitúdójú földrengés pattant ki Zala megyében, Surd és Belezna közelében. A rengés az epicentrum térségében érezhető volt, intenzitása elérte a 4 EMS fokot.

A rengés számított intenzitás eloszlását a 4.1. ábra mutatja.

$I \geq 3$  (gyenge érzhetőség) becsült területe 5200 km<sup>2</sup>

$I \geq 4$  (enyhe érzhetőség) becsült területe 970 km<sup>2</sup>

**DISCUSSION**

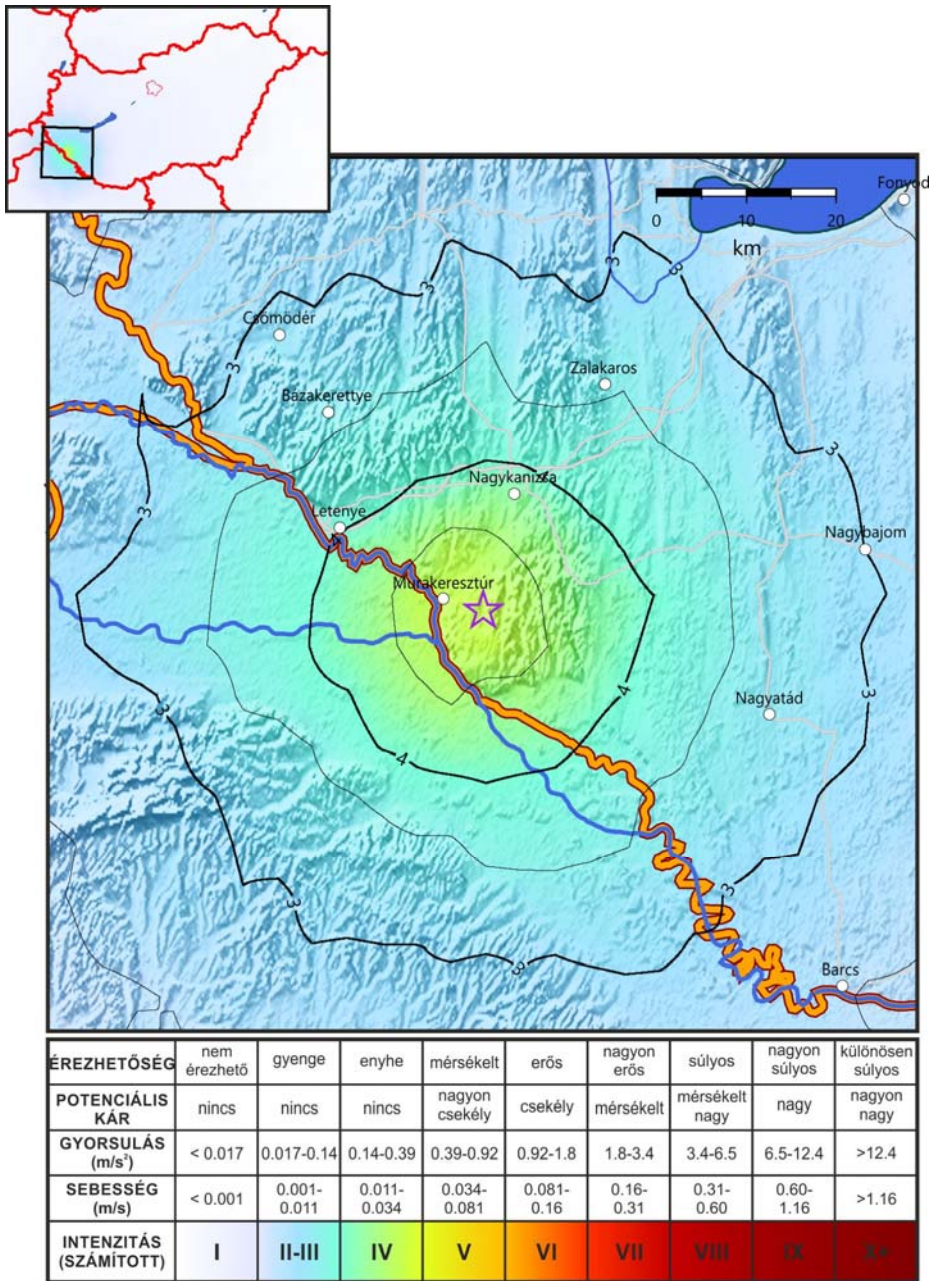
On January 5<sup>th</sup>, a 3.5 ML magnitude earthquake occurred in Zala County, near to Surd and Belezna. The earthquake was felt in the area of the epicenter, its intensity reached 4 EMS degrees.

Calculated intensity distribution of the event is shown in Figure 4.1.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 5200 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 970 km<sup>2</sup>





4.1. ábra A 2020. január 5-i, surdi földrengés (01:13 UTC) számított intenzitás eloszlása

Figure 4.1. Instrumental intensity distribution of the Surd earthquake 5<sup>th</sup> January 2020 (01:13 UTC)

**2020. június 1. - Jánossomorja / 1 June 2020 - Jánossomorja****FÉSZEKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/06/01
Kipattanási idő / Origin Time:	17:24:30.98 UTC
Szélesség és hosszúság / Latitude and Longitude:	47.828 N 17.211 E (S.D. 1.0 km)
Mélység / Depth:	10.7 km (S.D. 1.1 km)
Magnitúdó / Magnitude:	2.2 ML
Maximális intenzitás / Maximum Intensity:	4 EMS

**LEÍRÁS**

Június 1-én délután 2.2 M<sub>L</sub> magnitúdójú földrengés pattant ki a Győr-Moson-Sopron megyében, Jánossomorja térségében. A rengés az epicentrum térségében érezhető volt, intenzitása elérte a 4 EMS fokot.

A rengés számított intenzitás eloszlását a 4.2. ábra mutatja.

$I \geq 3$  (gyenge érezhetőség) becsült területe 1200 km<sup>2</sup>

$I \geq 4$  (enyhe érezhetőség) becsült területe 1 km<sup>2</sup>

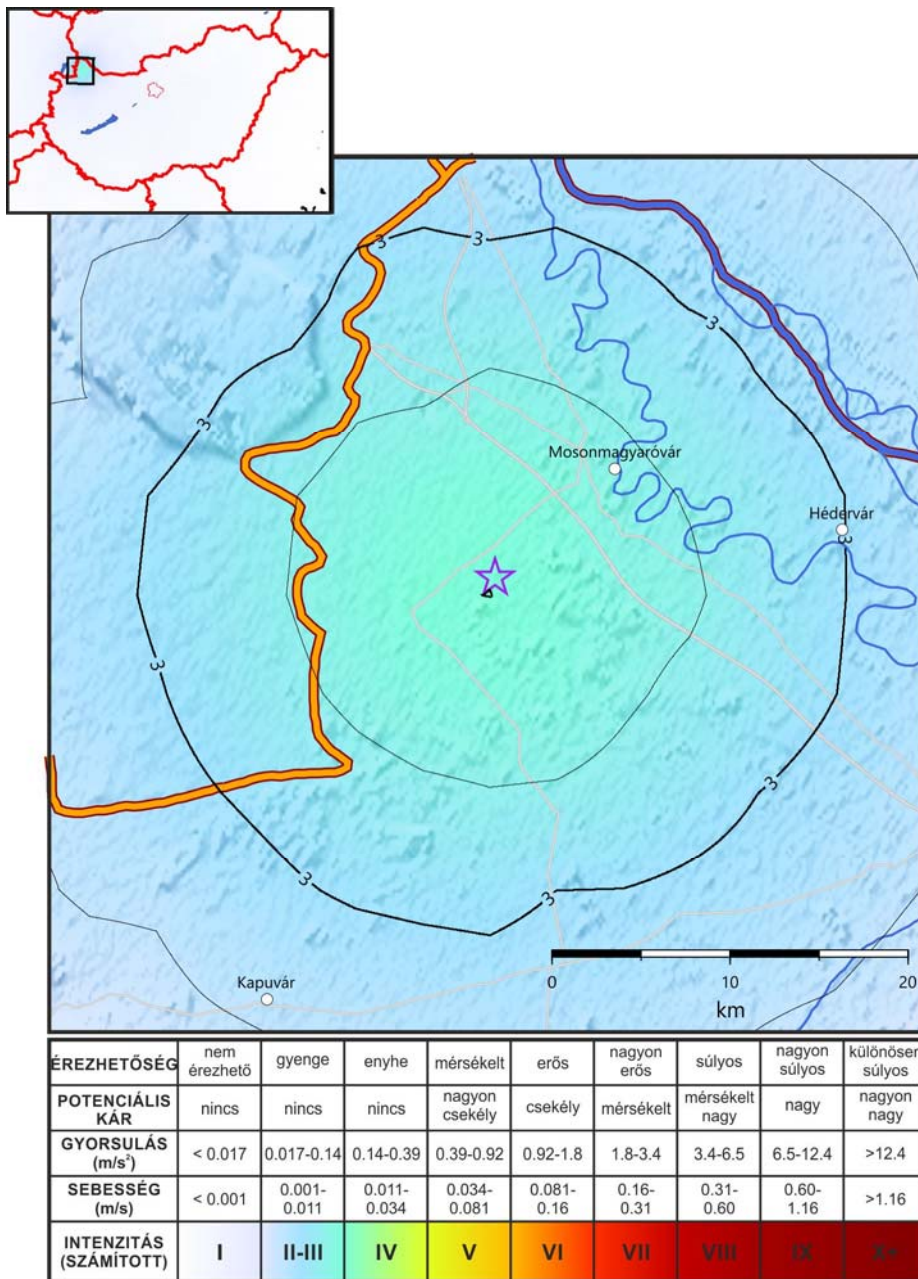
**DISCUSSION**

In the afternoon of June 1<sup>st</sup>, a 2.2 M<sub>L</sub> magnitude earthquake occurred in the surroundings of Jánossomorja, Győr-Moson-Sopron County. The earthquake was felt in the area of the epicenter, its intensity reached 4 EMS degrees.

Calculated intensity distribution of the event is shown in Figure 4.2.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 1200 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 1 km<sup>2</sup>



4.2. ábra A 2020. június 1-i, jánossomorjai földrengés (17:24 UTC) számított intenzitás eloszlása

Figure 4.2. Instrumental intensity distribution of the Jánossomorja earthquake 1<sup>st</sup> June 2020 (17:24 UTC)

**2020. június 3. - Somogyszob / 3 June 2020 - Somogyszob****FÉSZÉKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/06/03
Kipattanási idő / Origin Time:	15:50:59.94 UTC
Szélesség és hosszúság / Latitude and Longitude:	46.278 N 17.301 E (S.D. 1.7 km)
Mélység / Depth:	12.3 km (S.D. 1.5 km)
Magnitúdó / Magnitude:	3.5 ML
Maximális intenzitás / Maximum Intensity:	4 EMS

**LEÍRÁS**

A tavalyi rengéseket követően június 3-án délután újabb, 3.5 ML magnitúdójú földrengés volt érezhető Somogy megyében, Somogyszob közelében. A rengés intenzitása az epicentrum térségében elérte a 4 EMS fokot.

A rengés számított intenzitás eloszlását a 4.3. ábra mutatja.

$I \geq 3$  (gyenge érzhetőség) becsült területe 5100 km<sup>2</sup>

$I \geq 4$  (enyhe érzhetőség) becsült területe 650 km<sup>2</sup>

**DISCUSSION**

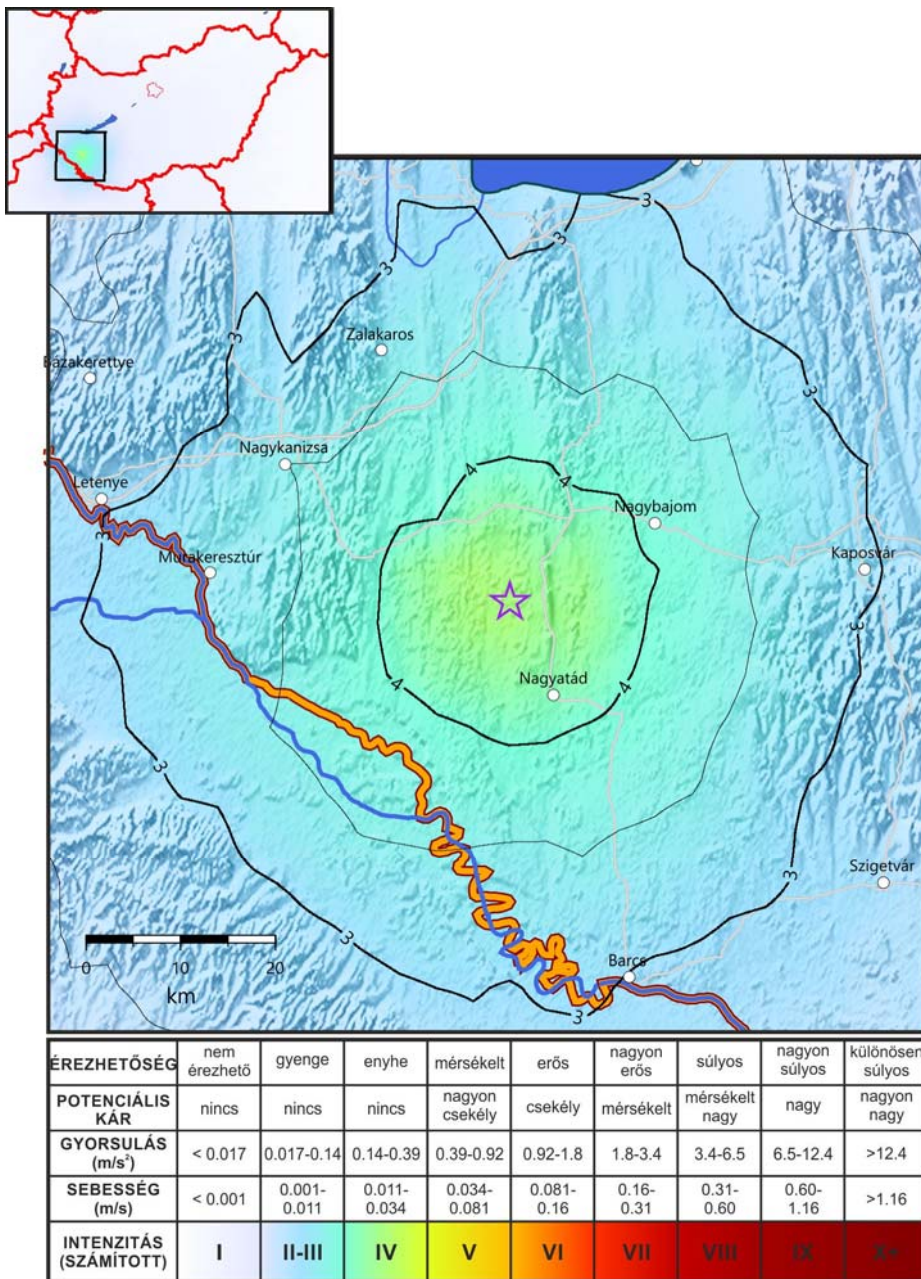
Following the felt earthquakes in the last year, another 3.5 ML quake was reported felt from Somogy County, near to Somogyszob. The intensity of the quake reached 4 EMS degrees in the area of the epicenter.

Calculated intensity distribution of the event is shown in Figure 4.3.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 5100 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 650 km<sup>2</sup>





4.3. ábra A 2020. június 3-i, somogyszobi földrengés (15:51 UTC) számított intenzitás eloszlása

Figure 4.3. Instrumental intensity distribution of the Somogyszob earthquake 3<sup>rd</sup> June 2020 (15:51 UTC)

**2020. június 26. - Horvátország / 26 June 2020 - Croatia****FÉSZÉKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/06/26
Kipattanási idő / Origin Time:	16:56:12.06 UTC
Szélesség és hosszúság / Latitude and Longitude:	47.571 N 18.075 E (S.D. 1.5 km)
Mélység / Depth:	3.8 km (S.D. 1.2 km)
Magnitúdó / Magnitude:	3.7 ML
Maximális intenzitás / Maximum Intensity:	4-5 EMS

**LEÍRÁS**

Június 26-án délután 3.7 ML magnitúdójú földrengés pattant ki a Baranya megyei Harkánytól DNy-ra Horvátország területén. A rengés a határ menti térségben érezhető volt, intenzitása elérte a 4-5 EMS fokot.

A rengés számított intenzitás eloszlását a 4.4. ábra mutatja.

$I \geq 3$  (gyenge érezhetőség) becsült területe 7100 km<sup>2</sup>

$I \geq 4$  (enyhe érezhetőség) becsült területe 1320 km<sup>2</sup>

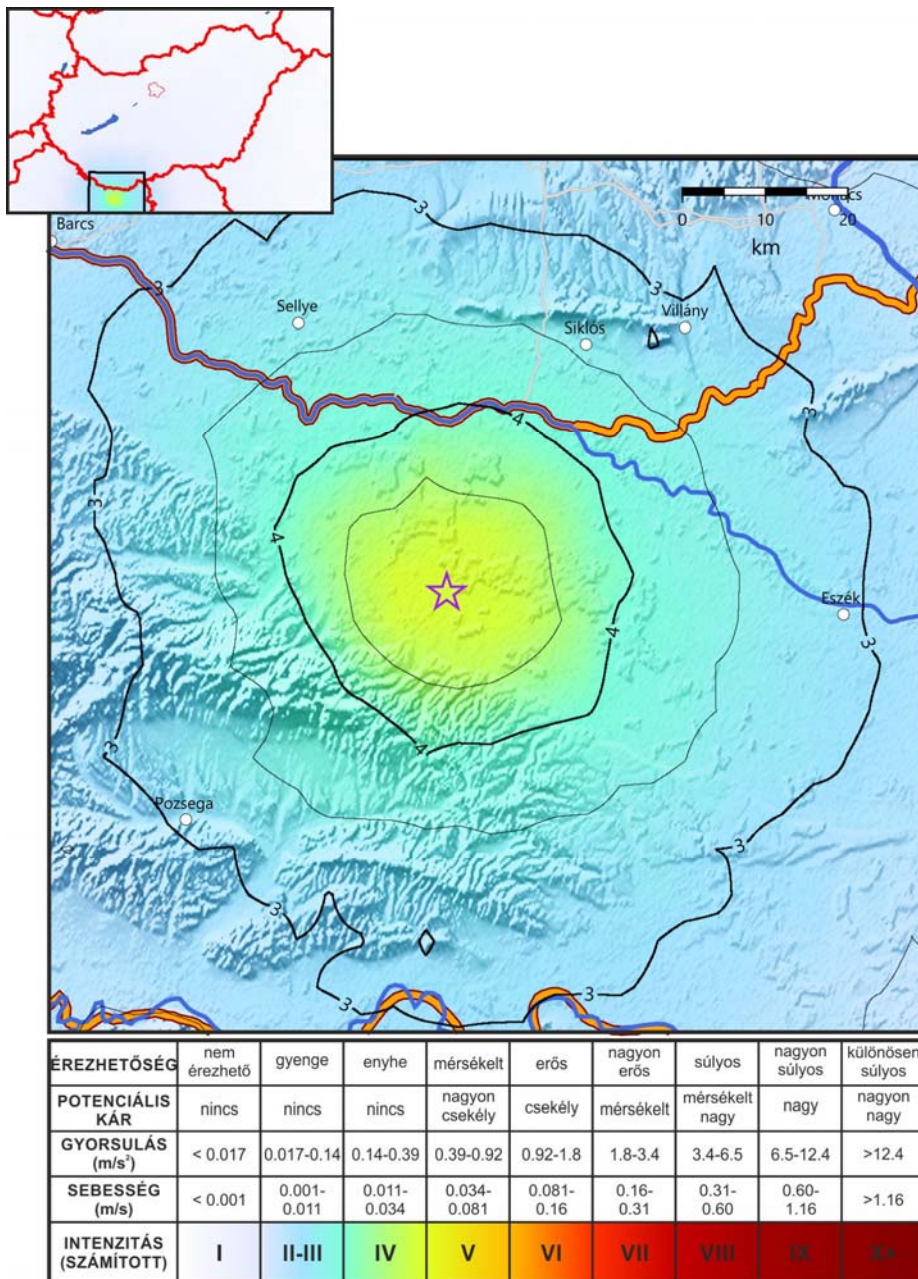
**DISCUSSION**

On the afternoon of June 26<sup>th</sup>, a 3.7 ML magnitude earthquake occurred SW from Harkány in the territory of Croatia. The quake was felt in the border area, its intensity reached 4-5 EMS degrees.

Calculated intensity distribution of the event is shown in Figure 4.4.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 7100 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 1320 km<sup>2</sup>



4.4. ábra A 2020. június 26-i, horvátországi földrengés (16:56 UTC) számított intenzitás eloszlása

Figure 4.4. Instrumental intensity distribution of the Croatia earthquake 26<sup>th</sup> June 2020 (16:56 UTC)

**2020. augusztus 15. - Fürged / 15 August 2020 - Fürged****FÉSZKEPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/08/15
Kipattanási idő / Origin Time:	16:43:43.19 UTC
Szélesség és hosszúság / Latitude and Longitude:	46.712 N 18.342 E (S.D. 1.2 km)
Mélység / Depth:	6.7 km (S.D. 1.6 km)
Magnitúdó / Magnitude:	2.3 ML
Maximális intenzitás / Maximum Intensity:	4 EMS

**LEÍRÁS**

Augusztus 15-én délután 2.3 ML magnitúdójú földrengést éreztek a Tolna megyei Tamásitól ÉK-re Fürged környékén. A rengés intenzitása 4 EMS fokra becsülhető az epicentrum környezetében. A földrengés csak kis területen volt érezhető.

A rengés számított intenzitás eloszlását a 4.5. ábra mutatja.

$I \geq 3$  (gyenge érzhetőség) becsült területe 1120 km<sup>2</sup>

$I \geq 4$  (enyhe érzhetőség) becsült területe 160 km<sup>2</sup>

**DISCUSSION**

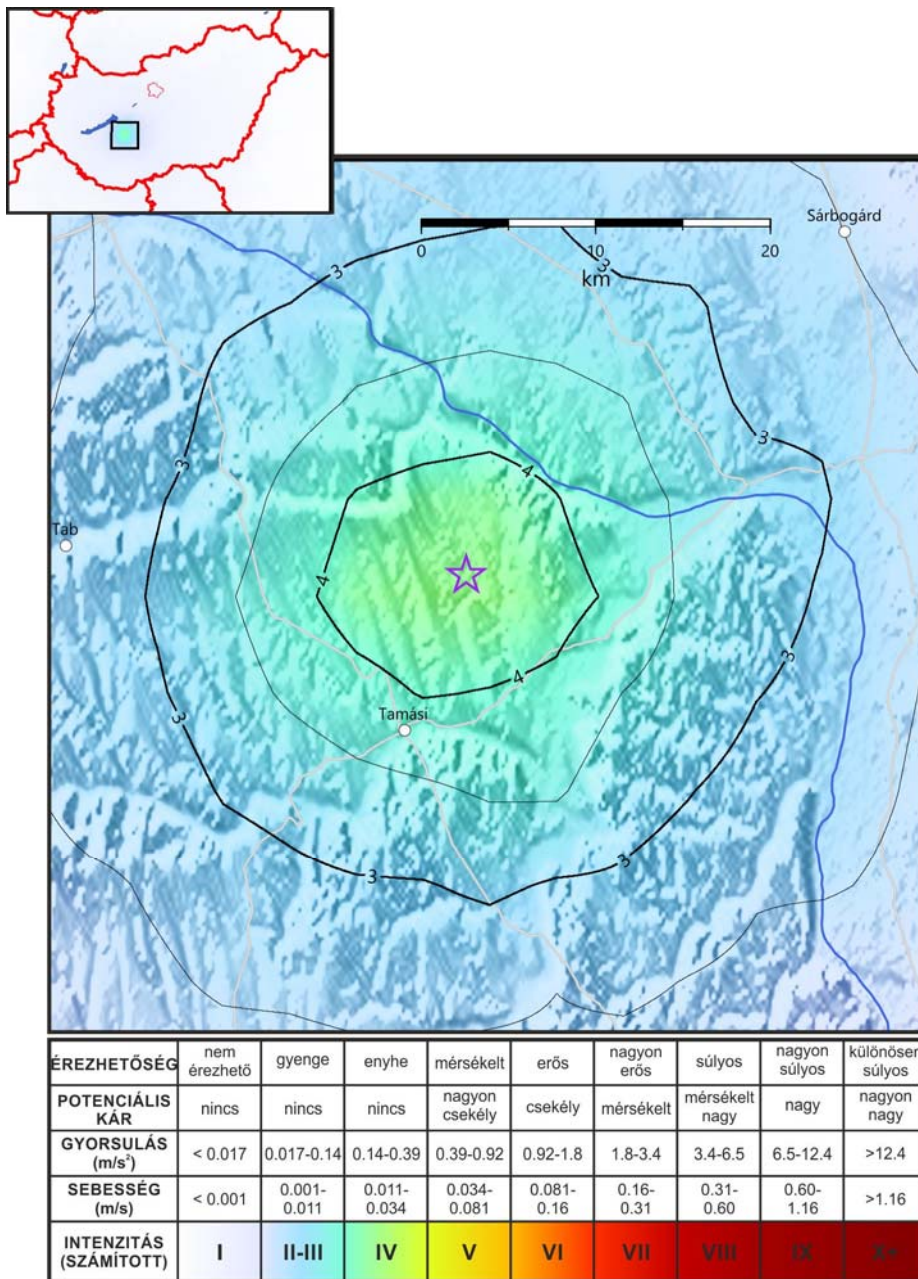
On the afternoon of August 15<sup>th</sup>, a 2.3 ML magnitude earthquake was felt NE of Tamási, Tolna County, in the vicinity of Fürged. The maximum intensity was estimated 4 EMS. The earthquake was felt in a small area.

Calculated intensity distribution of the event is shown in Figure 4.5.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 1120 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 160 km<sup>2</sup>





4.5. ábra A 2020. augusztus 15-i, fürgedi földrengés (16:43 UTC) számított intenzitás eloszlása

Figure 4.5. Instrumental intensity distribution of the Fürged earthquake 15<sup>th</sup> August 2020 (16:43 UTC)

**2020. október 10. - Alsózsolca / 10 October 2020 - Alsózsolca****FÉSZKEPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/10/10
Kipattanási idő / Origin Time:	03:55:45.21 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.072 N 20.873 E (S.D. 1.4 km)
Mélység / Depth:	3.5 km (S.D. 1.4 km)
Magnitúdó / Magnitude:	2.0 ML
Maximális intenzitás / Maximum Intensity:	4 EMS

**LEÍRÁS**

Egy kicsi, 2.0  $M_L$  magnitúdójú földrengést éreztek a Borsod-Abaúj-Zemplén megyei Alsózsolca térségében október 10-én éjjel. A rengés intenzitása 4 EMS fokra becsülhető az epicentrum környezetében. A földrengés csak nagyon kis területen volt érezhető.

A rengés számított intenzitás eloszlását a 4.6. ábra mutatja.

$I \geq 3$  (gyenge érzhetőség) becsült területe 950 km<sup>2</sup>

$I \geq 4$  (enyhe érzhetőség) becsült területe 150 km<sup>2</sup>

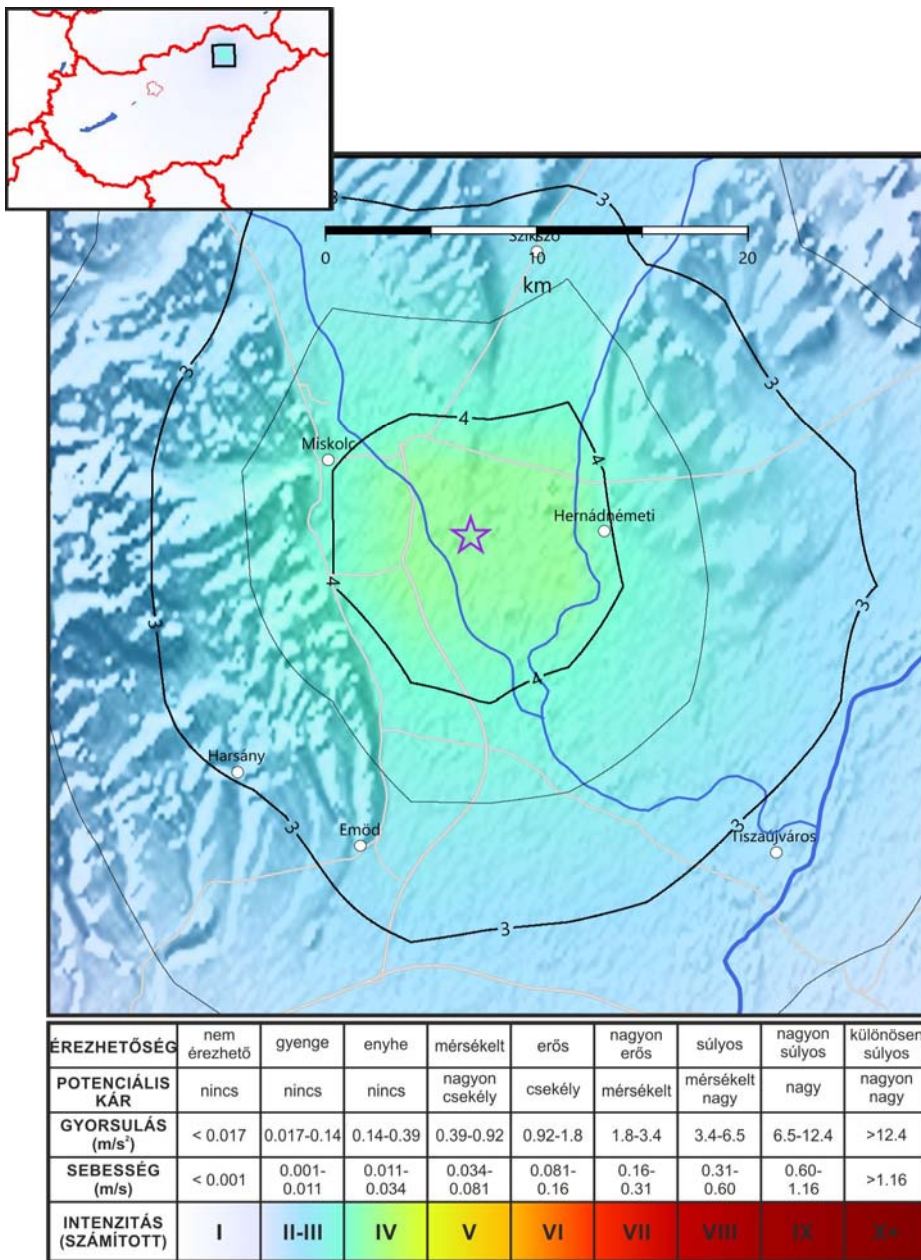
**DISCUSSION**

A small earthquake of magnitude 2.0  $M_L$  was felt in the Alsózsolca area of Borsod-Abaúj-Zemplén County on the night of October 10<sup>th</sup>. The intensity of the quake can be estimated at 4 EMS degrees in the vicinity of the epicenter. The earthquake was only felt in a very small area.

Calculated intensity distribution of the event is shown in Figure 4.6.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 950 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 150 km<sup>2</sup>



4.6. ábra A 2020. október 10-i, alsószolcai földrengés (03:55 UTC) számított intenzitás eloszlása

Figure 4.6. Instrumental intensity distribution of the Alsószolca earthquake 10<sup>th</sup> October 2020 (03:55 UTC)

**2020. október 10. - Nagykáta / 10 October 2020 - Nagykáta****FÉSZEKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/10/10
Kipattanási idő / Origin Time:	12:37:38.00 UTC
Szélesség és hosszúság / Latitude and Longitude:	47.424 N 19.787 E (S.D. 1.6 km)
Mélység / Depth:	10.0 km (S.D. 1.3 km)
Magnitúdó / Magnitude:	2.3 ML
Maximális intenzitás / Maximum Intensity:	4 EMS

**LEÍRÁS**

Október 10-én délután 2.3 ML magnitúdójú földrengést éreztek a Pest megyei Nagykáta környékén, Jászberénytől DNy-ra. A rengés intenzitása 4 EMS fokra becsülhető az epicentrum környezetében. A földrengés csak kis területen volt érezhető.

A rengés számított intenzitás eloszlását a 4.7. ábra mutatja.

$I \geq 3$  (gyenge érzhetőség) becsült területe 1070 km<sup>2</sup>

$I \geq 4$  (enyhe érzhetőség) becsült területe 150 km<sup>2</sup>

**DISCUSSION**

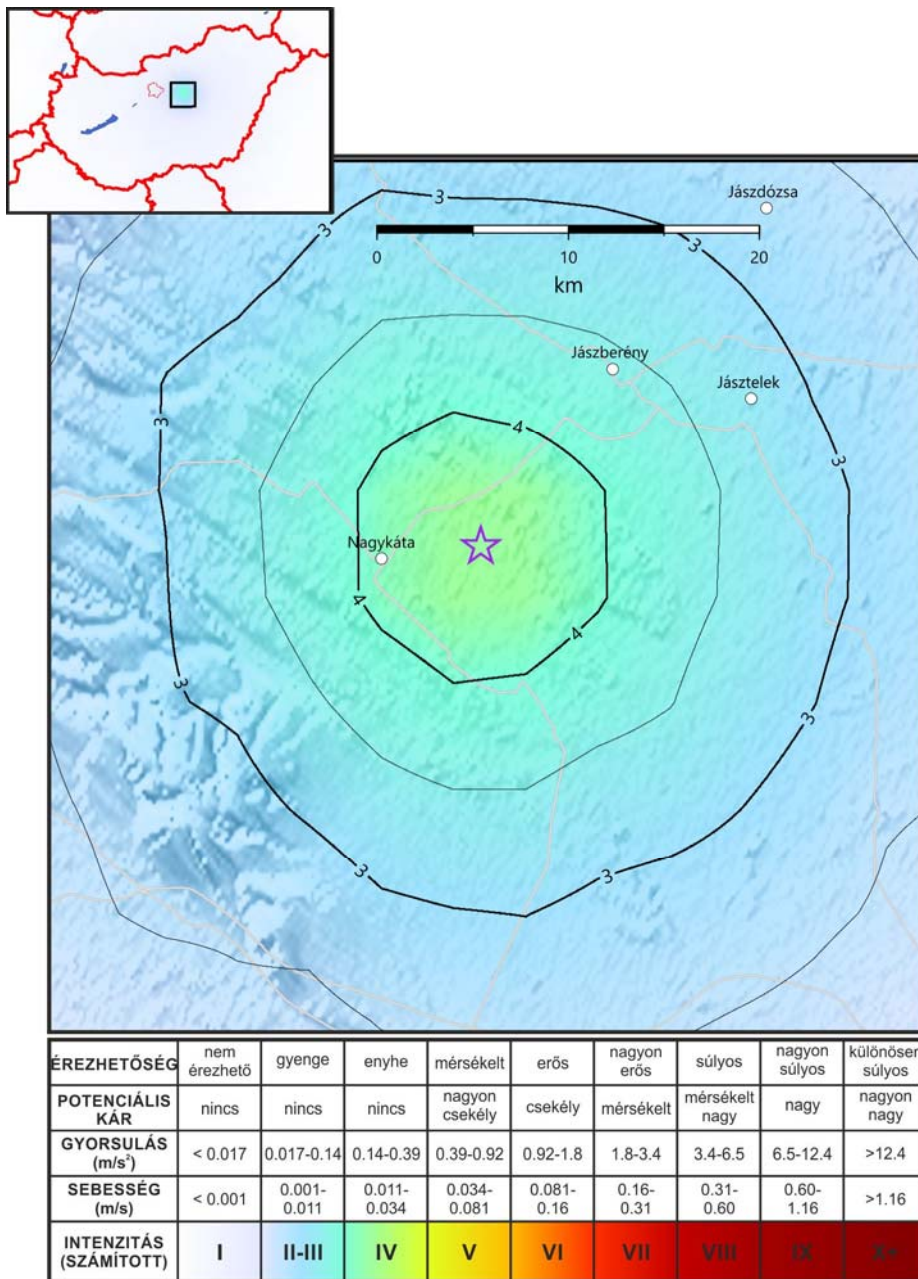
On the afternoon of October 10<sup>th</sup>, an earthquake of magnitude 2.3 ML was felt in the vicinity of Nagykáta in Pest County, SW of Jászberény. The maximum intensity was estimated 4 EMS. The earthquake was felt in a small area.

Calculated intensity distribution of the event is shown in Figure 4.7.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 1070 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 150 km<sup>2</sup>





4.7. ábra A 2020. október 10-i, nagykátai földrengés (12:37 UTC) számított intenzitás eloszlása

Figure 4.7. Instrumental intensity distribution of the Nagykáta earthquake 10<sup>th</sup> October 2020 (12:37 UTC)

**2020. október 19. - Alsózsolca / 19 October 2020 - Alsózsolca****FÉSZKEPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/10/19
Kipattanási idő / Origin Time:	09:50:04.84 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.065 N 20.885 E (S.D. 1.6 km)
Mélység / Depth:	5.6 km (S.D. 1.4 km)
Magnitúdó / Magnitude:	2.7 ML
Maximális intenzitás / Maximum Intensity:	4-5 EMS

**LEÍRÁS**

Néhány nappal az október 10-i 2.0 ML magnitúdójú földrengést követően október 19-én egy valamivel nagyobb, 2.7 ML magnitúdójú földrengést jeleztek ismét a Borsod-Abaúj-Zemplén megyei Alsózsolca térségéből. A rengés intenzitása 4-5 EMS fokra becsülhető az epicentrum környezetében.

A rengés számított intenzitás eloszlását a 4.8. ábra mutatja.

$I \geq 3$  (gyenge érzhetőség) becsült területe 2100 km<sup>2</sup>

$I \geq 4$  (enyhe érzhetőség) becsült területe 390 km<sup>2</sup>

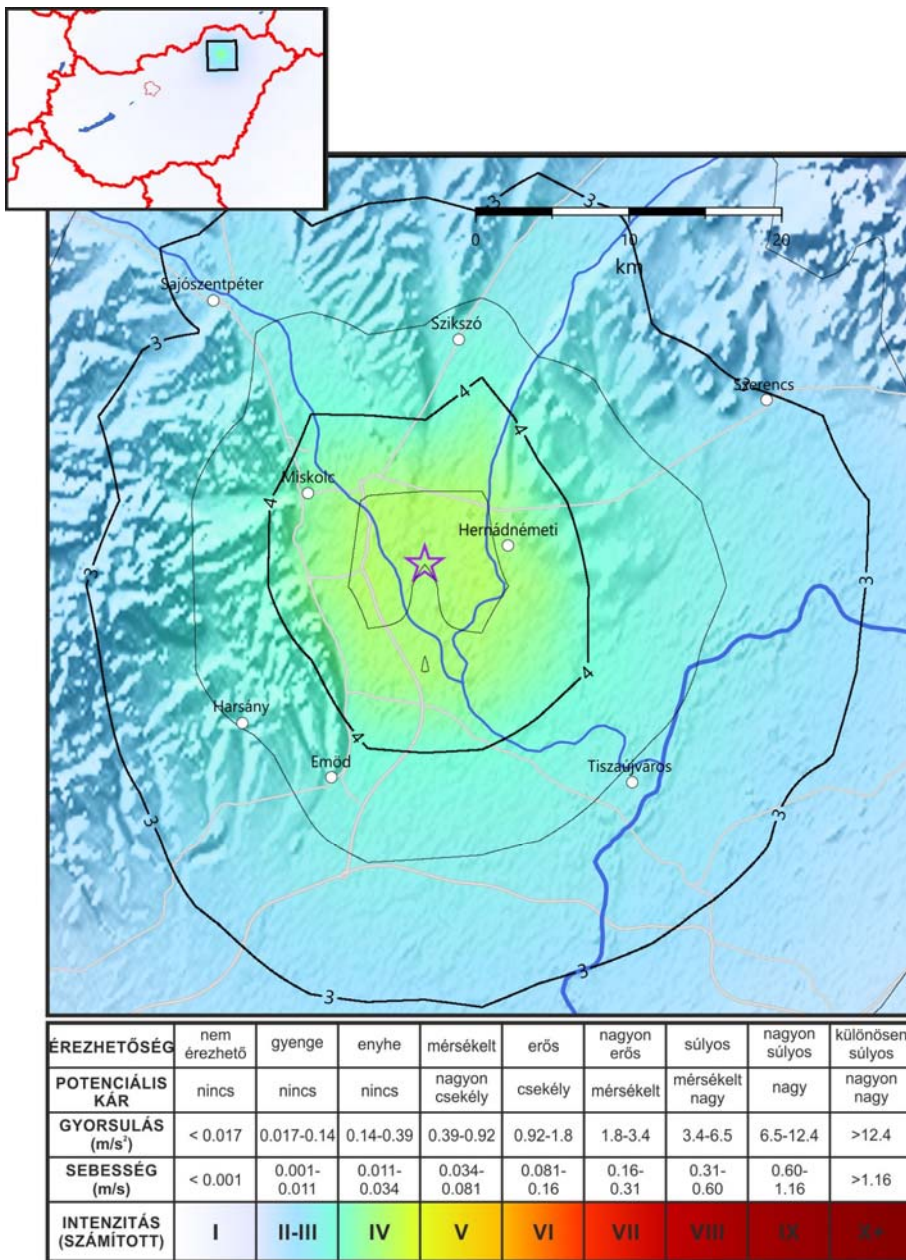
**DISCUSSION**

A few days after the 2.0 ML magnitude earthquake on 10<sup>th</sup> October, a slightly larger 2.7 ML magnitude earthquake was reported again from the Alsózsolca area of Borsod-Abaúj-Zemplén County on October 19. The intensity of the quake can be estimated at 4-5 EMS degrees in the vicinity of the epicenter.

Calculated intensity distribution of the event is shown in Figure 4.8.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 2500 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 350 km<sup>2</sup>



4.8. ábra A 2020. október 19-i, alsószolcai földrengés (09:50 UTC) számított intenzitás eloszlása

Figure 4.8. Instrumental intensity distribution of the Alsószolca earthquake 19<sup>th</sup> October 2020 (09:50 UTC)

**2020. december 28. - Horvátország / 28 December 2020 - Croatia****FÉSZEKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/12/28
Kipattanási idő / Origin Time:	05:28:06.36 UTC
Szélesség és hosszúság / Latitude and Longitude:	45.406 N 16.255 E (S.D. 0.9 km)
Mélység / Depth:	3.9 km (S.D. 0.7 km)
Magnitúdó / Magnitude:	5.3 ML
Maximális intenzitás / Maximum Intensity:	5-6 EMS

**LEÍRÁS**

December 28-án reggel egy Horvátországban kipattant 5.3 ML magnitúdójú földrengést éreztek Magyarország DNy-i részén a horvát határ közeli területen. A rengés intenzitása az epicentrum környékén 5-6 EMS, Magyarország területén 3-4 EMS fokra becsülhető.

A rengés számított intenzitás eloszlását a 4.9. ábra mutatja.

$I \geq 3$  (gyenge érzhetőség) becsült területe 46600 km<sup>2</sup>

$I \geq 4$  (enyhe érzhetőség) becsült területe 9800 km<sup>2</sup>

$I \geq 5$  (mérsékelt érzhetőség, csekély kár) becsült területe 1650 km<sup>2</sup>

**DISCUSSION**

On the morning of 28<sup>th</sup> December, a 5.3 ML magnitude earthquake occurred near to Petrinja, Croatia what was felt in the SW part of Hungary in the area near the Croatian border. The maximum intensity of the earthquake can be estimated at 5-6 EMS in the vicinity of the epicenter, and 3-4 EMS degrees in Hungary.

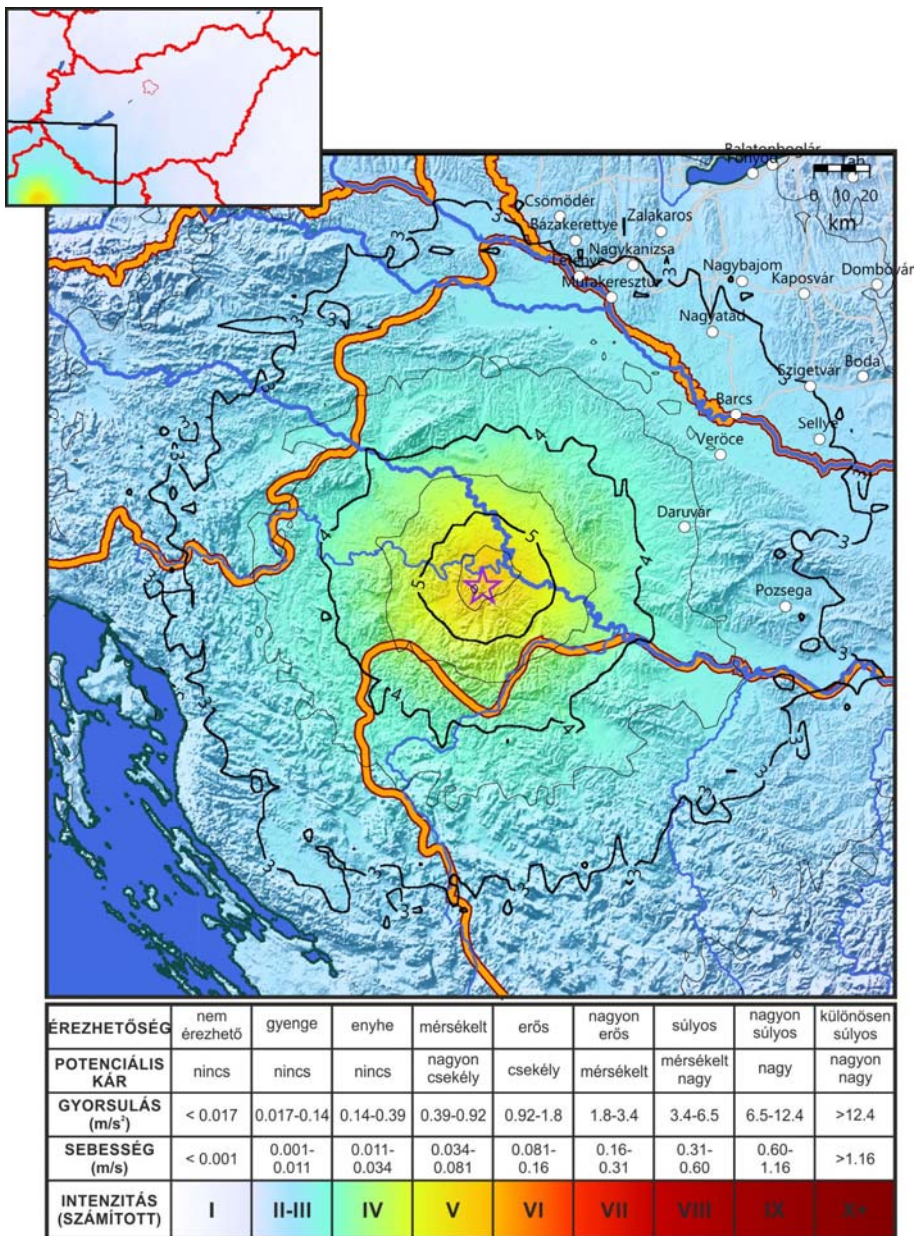
Calculated intensity distribution of the event is shown in Figure 4.9.

Estimated area of  $I \geq 3$  (perceived shaking: weak) is about 46600 km<sup>2</sup>

Estimated area of  $I \geq 4$  (perceived shaking: light) is about 9800 km<sup>2</sup>

Estimated area of  $I \geq 5$  (perceived shaking: moderate, damage: slight) is about 1650 km<sup>2</sup>





4.9. ábra A 2020. december 28-i, petrinjai (Horvátország) földrengés (05:28 UTC) számított intenzitás eloszlása

Figure 4.9. Instrumental intensity distribution of the Petrinja (Croatia) earthquake 28<sup>th</sup> December 2020 (05:28 UTC)

**2020. december 29. - Horvátország / 29 December 2020 - Croatia****FÉSZEKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2020/12/29
Kipattanási idő / Origin Time:	11:19:53.42 UTC
Szélesség és hosszúság / Latitude and Longitude:	45.422 N 16.232 E (S.D. 1.3 km)
Mélység / Depth:	3.7 km (S.D. 0.9 km)
Magnitúdó / Magnitude:	6.5 ML
Maximális intenzitás / Maximum Intensity:	8-9 EMS

**LEÍRÁS**

Az előző napi jelentős (5.3 ML) előregést követően december 29-én a déli órákban egy, a területen ritka nagy, 6.5 ML magnitúdójú földrengés keletkezett Horvátországban, Petrinja közelében. A sekély mélységben kipattanó rengés intenzitása az epicentrum környékén 8-9 EMS fokra tehető, de Magyarországon is elérte a 4-5 EMS fokot.

Magyarország nagy területén, egészen Budapest távolságáig érezhető volt a rengés, és a horvát határ közeli területeken kisebb károkat is okozott.

A rengés számított intenzitás eloszlását a 4.10. ábra mutatja.

$I \geq 5$  (mérsékelt érzhetőség, csekély kár) becsült területe 13450 km<sup>2</sup>

$I \geq 6$  (erős érzhetőség, mérsékelt kár) becsült területe 5120 km<sup>2</sup>

$I \geq 7$  (súlyos érzhetőség, súlyos kár) becsült területe 1700 km<sup>2</sup>

**DISCUSSION**

Following the significant (5.3 ML) earthquake of the previous day, a large 6.5 ML magnitude earthquake occurred in Croatia near Petrinja on the 29<sup>th</sup> of December at noon. The intensity of the shallow depth earthquake can be set at 8-9 EMS degrees around the epicenter and can be estimated 4-5 EMS degrees in Hungary.

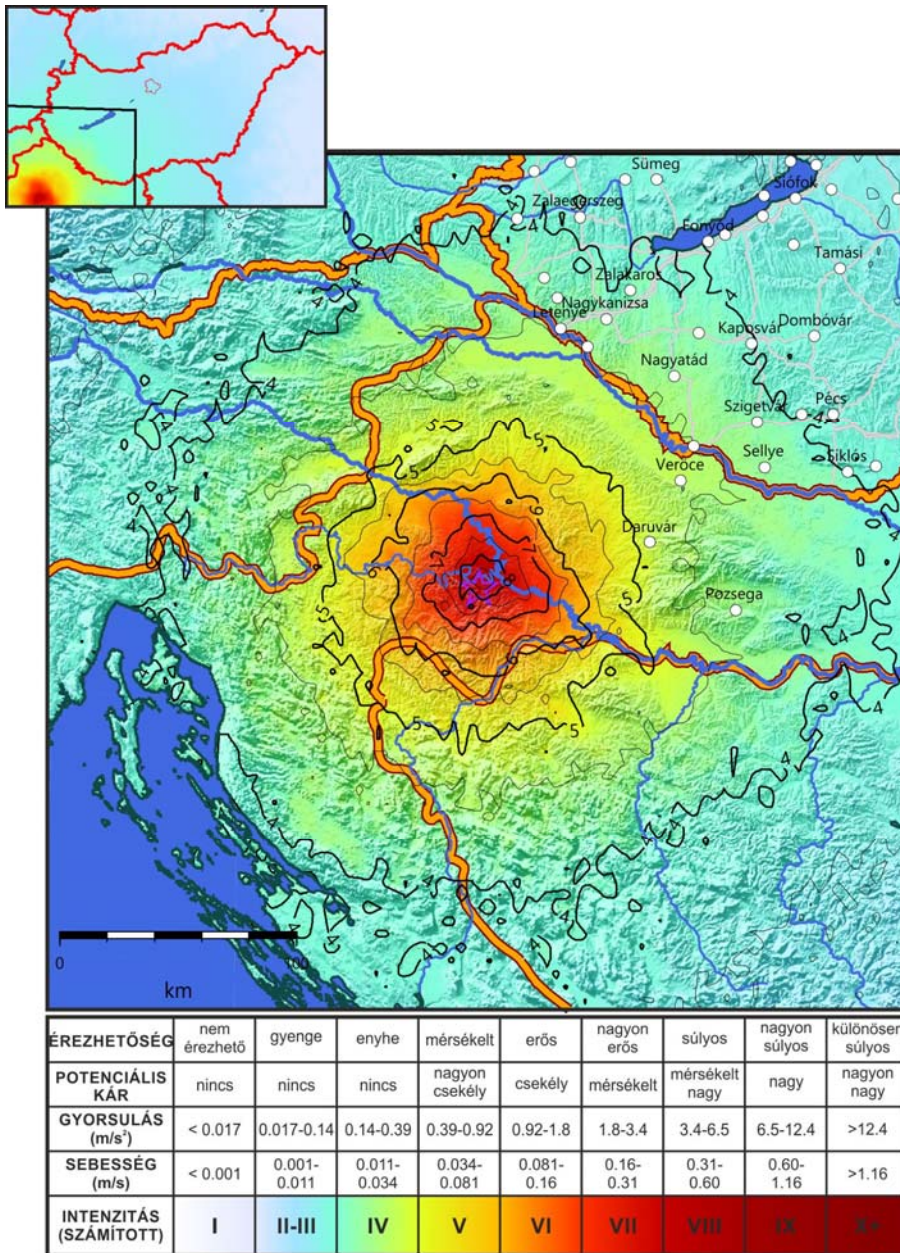
The quake was felt in a large area of Hungary, all the way to Budapest, and caused minor damage in areas close to the Croatian border.

Calculated intensity distribution of the event is shown in Figure 4.10.

Estimated area of  $I \geq 5$  (perceived shaking: moderate, damage: slight) is about 13450 km<sup>2</sup>

Estimated area of  $I \geq 6$  (perceived shaking: strong, damage: moderate) is about 5120 km<sup>2</sup>

Estimated area of  $I \geq 7$  (perceived shaking: severe, damage: severe) is about 1700 km<sup>2</sup>



4.10. ábra A 2020. december 29-i, petrinjai (Horvátország) földrengés (11:19 UTC) számított intenzitás eloszlása

Figure 4.10. Instrumental intensity distribution of the Petrinja (Croatia) earthquake 29<sup>th</sup> December 2020 (11:19 UTC)

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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)

# 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.

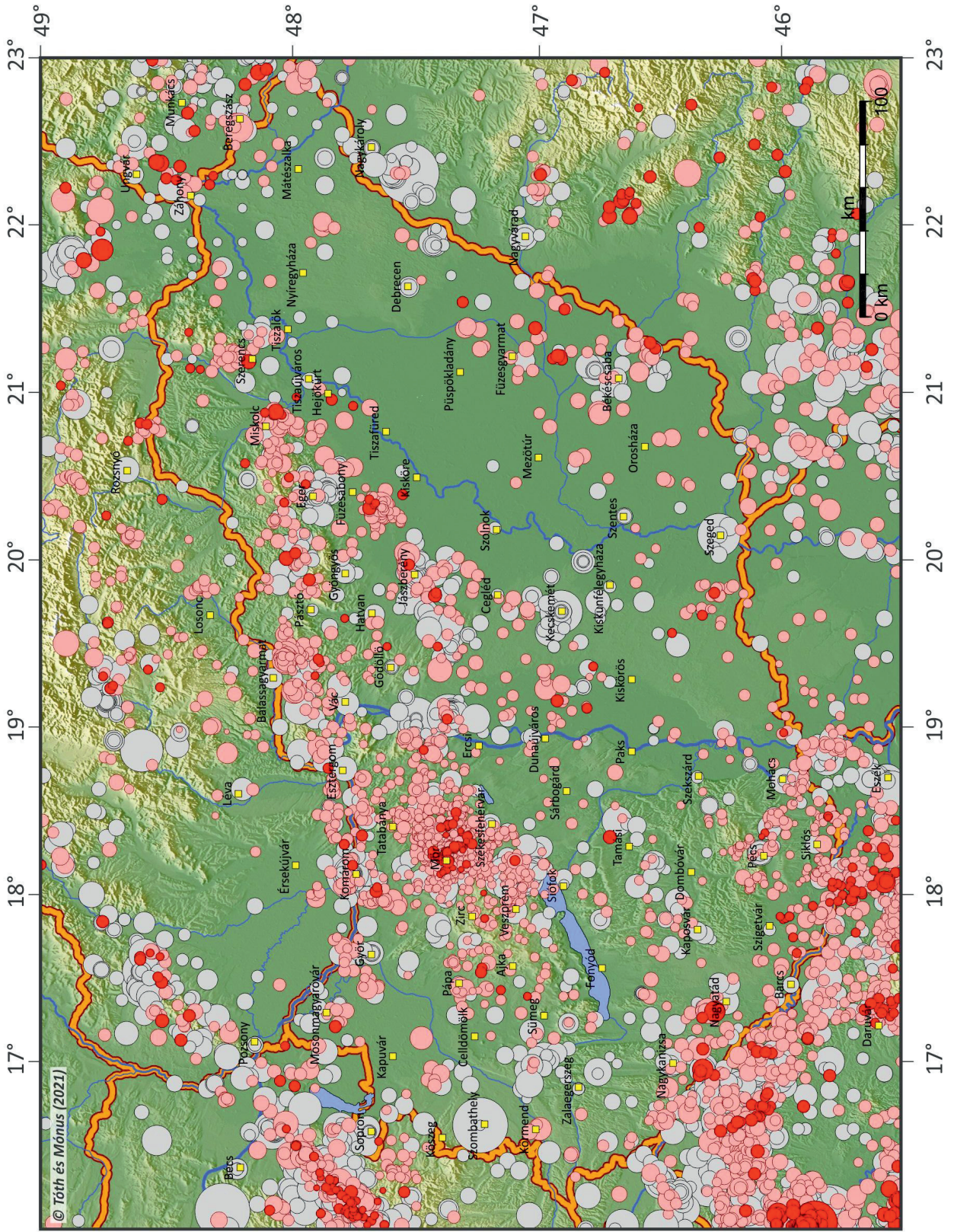
**12 ☞ Completely devastating**

Practically all structures above and below ground are heavily damaged or destroyed.

(For details see Grünthal, 1998)

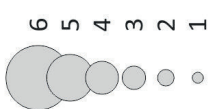


# Magyarországi földrengések / Seismicity in Hungary

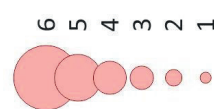


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