



Magyarországi földrengések évkönyve
Hungarian Earthquake Bulletin
2014

Tóth L., Mónus P., Kiszely M.

GeoRisk 
Földrengés Mérnöki Iroda ♦ Earthquake Engineering

Budapest

MAGYARORSZÁGI FÖLDRENGÉSEK ÉVKÖNYVE

HUNGARIAN EARTHQUAKE BULLETIN

2014

TÓTH LÁSZLÓ*, MÓNUS PÉTER*, KISZELY MÁRTA*

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Hátsó borító:

M \geq 2 földrengések Magyarországon

Történelmi rengések: 456-1994 (rózsaszín)

Műszeresen meghatározott rengések: 1995-2014 (piros)

Alaptérkép: pre-tercier medencealjzat mélysége

Back cover page:

M \geq 2 Earthquakes in Hungary

Historical earthquakes: 456-1994 (pink)

Instrumental earthquakes: 1995-2014 (red)

Background: Depth of Pre-tercier Basement

FÖLDRENGÉS ADATOK / EARTHQUAKE DATA:

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

Tóth L., Mónus P., Zsíros T., Kiszely M., Czifra T.: Magyarországi földrengések évkönyve / Hungarian Earthquake Bulletin (1995-2014)

PRE-TERCIER MEDENCEALJZAT MÉLYSÉGE / DEPTH OF PRE-TERCIER BASEMENT:

Jordán Gy. (ed) (2005): A fürdőfejlesztésekkel kapcsolatban a hazai termálvíz-készlet fenntartható hasznosításáról és a használt víz kezeléséről szóló hidrogeológiai kutatás, MÁFI jelentés

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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), 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 földrengéskockázatot, 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.

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) 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.

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 2014. év szeizmikus szempontból átlagosan aktív időszaknak tekinthető Magyarországon. Az év folyamán 487 szeizmikus eseményről szereztünk tudomást a 45.5-49.0 É szélességi és 16.0-23.0 K hosszúsági koordináták által határolt területen, amelyek közül 175 volt természetes eredetű földrengés, 312 pedig robbantás.

Az észlelt földrengések mérete a $-0.6 \leq M_L \leq 4.2$ lokális magnitúdó tartományba esett. A fészekmélység jellemzően sekély, csak néhány esetben nagyobb 10 km-nél.

A kőbányarobbantások szeizmikus magnitúdói a $0.0 \leq M_L < 2.3$ tartományban voltak, a fészekmélység pedig minden esetben nulla.

Az évben összesen tíz olyan földrengés volt, melyet a lakosság is érzett.

A legnagyobb műszeresen meghatározott magnitúdójú rengés 4.2 M_L , míg a legnagyobb földrengés intenzitás, melyet Magyarország területéről az év folyamán jelentettek 5-6 EMS fokozatú volt, egy-két esetben csekély épületkárok is keletkeztek.

A rengések mindegyike többé-kevésbé ismert forrászónához köthető. A legnagyobb számú szeizmikus esemény 2014-ben Iliny-Nógrádmarcfal környékén keletkezett, ahol 14 kis-közepes földrengést észleltünk, melyek közül négy érezhető volt. A Bükk hegységben keletkezett tíz rengés közül három szintén elérte az érzhetőséget.

A Vértes hegységben, a Komárom – Berhida közé eső területen, a Móri-árok forrászónában is számos földrengés keletkezett. Ennek egyik, nem szeizmotektonikai magyarázata az állomáshálózat fokozott érzékenysége ezen a területen.

Az év első érezhető rengését (M_L 4.2) január 19-én hajnalban jelezték Iliny – Nógrádmarcfal környékén. A rengés intenzitása 5 EMS fokra becsülhető az epicentrum térségében. Néhány településen enyhébb épületkárok is keletkeztek, elsősorban gyengébb, régebbi épületekben vakolatrepedések, kémény-sérülések. A földrengés az év legnagyobb és legjelentősebb rengése volt, mely nagy területen volt érezhető. A rengést számos utórengés követte, melyek közül további négy érezhető volt (január 19-én, január 22-én, február 3-án, augusztus 3-án).

Február 11-én délelőtt Nagykőrös környékén volt érezhető (4 EMS) egy 2.6 M_L magnitúdójú földrengés.

Február 19-én délután, Nógrád megyében, Érsekvadkert környékén érezték földrengést. A 2.5 M_L magnitúdójú rengés a 2013. június 5-i 4.1 M_L magnitúdójú rengés utórengésének tekinthető. A rengés maximális intenzitása 4-5 EMS körül volt.

Az év folyamán tíz kis és közepes méretű földrengés volt a Bükk hegység környékén. Az első május 8-án reggel Bükkszentkereszten és környékén érezték. A 2.8 M_L magnitúdójú rengés maximális intenzitása 5 EMS körüli volt. A további rengések közül kettő volt érezhető június 4-én (3.0 M_L) és június 5-én (2.6 M_L).

1.

SUMMARY

2014 was an average active year for Hungarian seismicity. Out of the 487 seismic events located within the area bounded by latitudes 45.5-49.0 N and longitudes 16.0-23.0 E, 175 were identified as natural earthquakes and 312 were known as quarry blasts.

The magnitude of the earthquakes was in the range of $-0.6 \leq M_L \leq 4.2$. Each of the earthquakes had shallow focal depth typically less than 10 km.

The seismic magnitude of the quarry blasts was in the range of $0.0 \leq M_L < 2.3$ with zero focal depth.

During the year, all together ten earthquakes were reported as felt.

The highest magnitude assigned to a shock was 4.2 M_L while the highest intensity reported during the year was 5-6 EMS. Light and insignificant building damages were also reported during the year.

All detected and located earthquakes can be connected to more or less well-known source zones. In 2014, largest number of events were located in Iliny – Nógrádmargal area where four quakes were felt out of the 14 small to medium size earthquakes. Three of the ten earthquakes located in the Bükk Mountain area were also felt.

A number of earthquakes was located in the Komárom – Berhida region, in the well-known source zone of the Mór graben. In addition to the undoubted current activity of this area, the high number of detected low magnitude events is partly due to the increased sensitivity of the network here.

The first felt event of the year was reported from Iliny – Nógrádmargal area in the early morning of January 19th. The shock was felt 5 EMS in the epicentral region. Light and insignificant damages (cracks in walls, and damage of chimneys) were reported from the epicentral area mostly at poorer quality older buildings. The quake was felt in a large area and proved to be the largest magnitude event of the year. The main shock was followed by a number of aftershocks, out of which four noticeable and felt (19 January, 22 January, 3 February 3 and 3 August).

A magnitude 2.6 M_L earthquake alerted people at Nagykőrös area in the morning of February 11th. The shock was felt (4 EMS) at the epicenter.

In the afternoon of February 19th, a magnitude 2.5 M_L earthquake was reported (4-5 EMS) from Érsekvadkert, Nógrád County. The event was one of the felt aftershocks of the larger (M_L 4.1) earthquake on 5th June, 2013.

Ten small to medium size earthquakes were located in the Bükk Mountain area during the year. The first one was a 2.8 M_L magnitude event felt and reported 5 EMS from Bükkszentkereszt on 8th May. Two of the later events on 4th June (3.0 M_L) and 5th June (2.6 M_L) were also felt.

2.

FÖLDRENGÉS MEGFIGYELŐ ÁLLOMÁSOK MAGYARORSZÁGON

2014-ben 23 állandó szeizmográf állomás működött Magyarországon. Az állomások közül tízet a GeoRisk Földrengés Mérnöki Iroda Kft., tizenhármát pedig az MTA CSFK Geodéziai és Geofizikai Intézet (MTA CSFK GGI) üzemeltetett (2.1. Táblázat és 2.1. ábra).

Szélessávú állomások

Az év folyamán 12 szélessávú szeizmológiai állomás működött (AMBH, BEHE, BSZH, BUD, EGYH, LTVH, MORH, MPLH, 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, EGYH, LTVH és TIH állomásokon Güralp CMG-3T szeizmométer és Güralp CMG-DM24S3-EAM adatgyűjtő egység található. Mindegyik állomás internet összeköttetéssel rendelkezik, így az adatok közel valós időben, egy erre a célra kifejlesztett protokoll (SeedLink) felhasználásával jutnak el az adatközpontba, ahol a feldolgozás és archiválás történik. Az adatközpontban az adatok átlagos késése a valós időhöz képest 10 másodperc körüli. Az állomáson tárolt adatok bizonyos idő elteltével törlődnek.

Rövidperiódusú állomások

A 11 rövidperiódusú állomás közül tíz teljesen azonos mérőeszközzel van felszerelve. Ezekon Güralp CMG-40T rövidperiódusú, 3 komponenses szeizmométer és Güralp CMG-DM24S3-EAM digitalizáló és adatgyűjtő működik, folyamatos regisztrálással. Egy állomáson (CSKK) az érzékelő három Kinometrics SS-1 rövidperiódusú szeizmométer, az adatgyűjtő itt is Güralp CMG-DM24S3-EAM, szintén folyamatos regisztrálással. Mindegyik rövidperiódusú állomás internet összeköttetéssel rendelkezik.

GeoRisk adatközpont (www.foldrenges.hu)

Az összes mérőállomáson regisztrált adatot egy felhő alapú adatközpontban gyűjtjük és dolgozzuk fel. 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 közel valós idejűek.

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

A mérési adatok, szeizmogramok és a kiértékelés további eredményei nagyrészt nyilvánosan elérhetők az interneten is a www.foldrenges.hu oldalon.

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

2.

SEISMOGRAPH STATIONS IN HUNGARY

In 2014, there were 23 permanent seismograph stations running in Hungary. Ten of the permanent stations were operated by GeoRisk Earthquake Engineering Ltd. and thirteen of them by Geodetic and Geophysical Institute, Research Centre for Astronomy and Earth Sciences, Hungarian Academy of Sciences (MTA CSFK GGI). (Table 2.1 and Fig. 2.1)

Broadband stations

Twelve broadband stations (AMBH, BEHE, BSZH, BUD, EGYH, LTVH, MORH, MPLH, 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. Four stations (AMBH, EGYH, LTVH and TIH) are equipped with Güralp CMG-3T seismometer and Güralp CMG-DM24-S3-EAM data acquisition module. All stations are accessible via internet in support of near real time data transfer. The average data latency at these stations is typically less than 10 s. SeedLink protocol is used for data collection and all continuous data is archived in the Data Centre.

Short period stations

Ten of the eleven short period stations have similar hardware. These stations are equipped with Güralp CMG-40T short period seismometers and Güralp CMG-DM24S3-EAM digital acquisition system. One of the stations, CSKK has Kinematics short period SS-1 sensors, and Güralp CMG-DM24S3-EAM digital acquisition system for recording and communication with the Data Centre. Continuous data are recorded at each short period station. All stations are accessible via internet.

GeoRisk Data Centre (www.foldrenge.hu)

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

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

Data that are collected by the *Data Centre* are published in a variety of formats on the internet at www.foldrenge.hu.

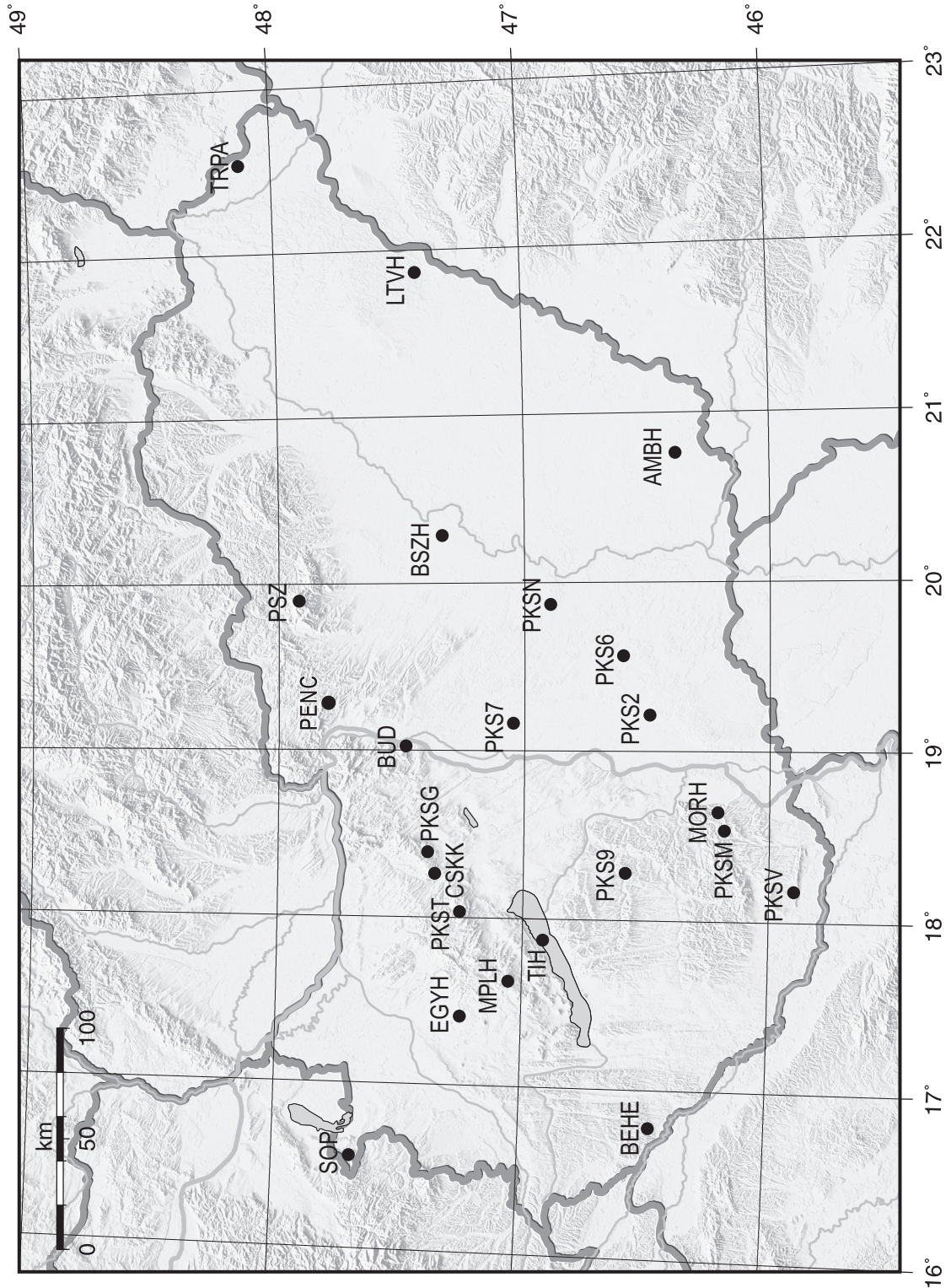
The estimated detection capabilities of the present network with average noise conditions, supposing that at least four stations is needed for origin determination, is typically around 1.0-2.0 M_L , somewhat lower in the middle of the country and a little higher towards the border regions. This means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

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)
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 SP	SS-1	CMG-DM24S3- EAM	GGI
EGYH* Egyházaskesző	47.4171	17.3318	225	kőzet rock	3C BB	CMG-3T	CMG-DM24S3- EAM	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 Mórágó	46.2149	18.6435	135	gránit granite	3C BB	STS-2	PS-6-24 + SeisComp PC	GGI
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
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 Mórágó	46.2119	18.6413	170	gránit granite	3C SP	CMG-40T	CMG-DM24S3- EAM	GR
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	mészkö 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 broad band seismometer
CMG-40T – Gúralp rövidperiódusú szeizmométer / Gúralp short period seismometer
CMG-3T – Gúralp széles sávú szeizmométer / Gúralp broad band seismometer
SS-1 – Kinematics SS-1 rövidperiódusú szeizmométer / Kinematics SS-1 short period seismometer
 - (3) PS-6-24 – Earth Data digitalizáló / Earth Data digitizer
CMG-DM24S3-EAM – Gúralp adatgyűjtő / Gúralp data acquisition module;
SeisComP – GEOFON Seismological Communication Processor
 - (4) GGI – MTA CSFK Geodéziai és Geofizikai Intézet / Geodetic and Geophysical Institute, MTA CSFK
GR – GeoRisk Földrengés Mérnöki Iroda Kft. / GeoRisk Earthquake Engineering Ltd.
MFGI – Magyar Földtani és Geofizikai Intézet / Geological and Geophysical Institute of Hungary
- (*) Működés kezdete / Open date: 2014/07/24



2.1. ábra Szeizmológiai állomások Magyarországon 2014-ben (részletek: 2.1. Táblázat)

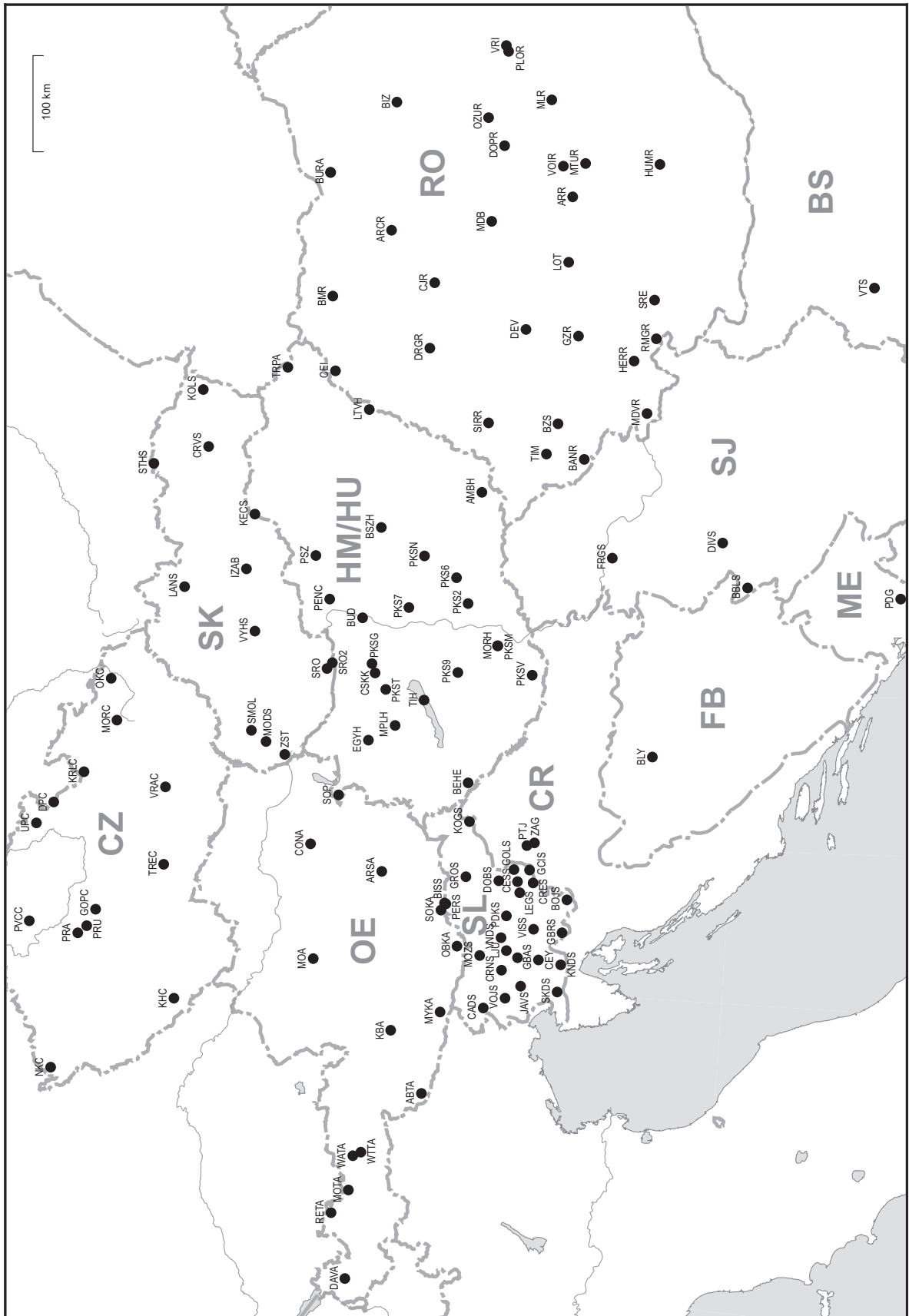
Figure 2.1. Seismograph stations in Hungary in 2014 (See Table 2.1. for details)

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 paramétereit még pontosabban, megbízhatóbban számíthatók ki. Ezen kívül a nagyszámú állomás adatahoz 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).

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



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
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 FÉSZKEPARAMÉTEREK

A FÖLDRENGÉS FÉSZKEPARAMÉTEREK MEGHATÁROZÁSA

A fészkeparaméterek rutinszerű kiszámításához a HYPO71PC programot használtuk (Lee and Lahr, 1975). A kimerés és magnitúdó meghatározás a K. Stammler által készített SeismicHandler program segítségével történt.

A fészkeparaméterek meghatározásánál mind a magyarországi, mind a szomszédos országok állomásainak adatait felhasználtuk. A számításnál az egyes állomások kimerési 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 földregés kéregfázis adatain alapul (Mónus, 1995).

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

3.

LIST OF ORIGINS AND HYPOCENTER PARAMETERS

METHOD FOR HYPOCENTER PARAMETER DETERMINATION

HYPO71PC (Lee and Lahr, 1975) was used for the routine calculation of hypocenter parameters. SeismicHandler software package by K. Stammler has been used for phase picking and magnitude determination.

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 (v_P)</i> <i>[km/s]</i>	<i>Depth</i> <i>[km]</i>	<i>Thickness</i> <i>[km]</i>	v_P/v_S
5.60	0.0	20.0	1.78
6.57	20.0	11.0	
8.02	31.0	∞	

ESEMÉNYLISTA / LIST OF EVENTS

Nap	Kipattanási idő UTC óó pp mp	Földrajzi koordináták Lat Long	Mélys. (km)	ML	I _{MAX} (EMS)	Helyszín
Day	Origin time UTC hr mn sec	Geographic coordinates Lat Long	Depth (km)	ML	I _{MAX} (EMS)	Locality or Region
JANUÁR / JANUARY, 2014						
09	8:54:16.0	47.431N 18.200E	0	0.6	-	Pusztavám (expl.)
10	6:53:04.4	45.956N 16.976E	10	2.5	-	Croatia
10	7:01:39.5	45.956N 16.919E	10	1.7	-	Croatia
11	19:07:45.1	45.900N 16.901E	16	1.7	-	Croatia
11	21:50:23.2	45.989N 16.957E	10	1.7	-	Croatia
12	1:28:29.2	46.507N 16.738E	12	1.6	-	Kistolmács
13	12:21:55.3	47.215N 18.281E	0	0.6	-	Izszakasztgy (expl.)
15	16:38:04.1	46.089N 17.143E	3	1.8	-	Croatia
17	4:22:36.2	48.039N 19.438E	10	1.7	-	Iliny
17	8:32:04.5	45.994N 18.179E	0	0.7	-	Gyód (expl.)
17	8:37:06.7	45.997N 18.173E	0	0.8	-	Gyód (expl.)
17	8:40:10.0	47.323N 18.410E	0	1.1	-	Zámoly (expl.)
17	8:40:25.4	47.318N 18.424E	0	1.1	-	Zámoly (expl.)
19	1:34:34.5	48.025N 19.435E	2	4.2	5	Iliny
19	1:48:43.4	48.017N 19.418E	4	3.2	4-5	Iliny
19	16:40:47.1	48.037N 19.458E	0	2.2	-	Varsány
19	19:36:21.6	48.061N 19.442E	10	1.3	-	Csitár
21	1:06:05.3	48.021N 19.433E	4	2.7	-	Iliny
21	18:32:19.1	47.951N 20.158E	10	1.5	-	Szajla
22	12:13:43.2	48.011N 19.399E	3	2.9	4-5	Iliny
22	12:49:48.0	48.043N 19.427E	8	1.6	-	Iliny
23	13:09:13.3	47.368N 18.240E	1	0.0	-	Mór
23	13:33:35.3	47.478N 18.186E	0	0.3	-	Bokod (expl.)
24	9:16:27.0	47.353N 18.365E	0	0.9	-	Gánt (expl.)
24	9:16:40.1	47.360N 18.418E	0	1.0	-	Gánt (expl.)
24	9:31:09.3	47.312N 18.384E	0	0.8	-	Zámoly (expl.)
24	13:58:16.9	47.454N 18.228E	0	0.3	-	Pusztavám (expl.)
27	8:19:19.0	47.110N 18.077E	6	1.1	-	Vilonya
30	8:40:49.5	47.449N 18.359E	0	1.1	-	Oroszlány (expl.)
FEBRUÁR / FEBRUARY, 2014						
01	2:38:31.0	47.622N 16.710E	6	1.2	-	Nagycenk
03	23:57:07.5	48.037N 19.417E	0	2.0	4	Iliny
04	0:41:36.5	47.380N 18.240E	0	0.2	-	Mór
04	1:56:43.1	46.417N 18.533E	10	0.9	-	Zomba
04	9:47:15.6	45.859N 18.384E	0	0.5	-	Kisharsány (expl.)
04	16:58:58.8	47.335N 18.228E	0	0.0	-	Bodajk
05	7:42:31.7	47.424N 18.302E	0	0.8	-	Pusztavám (expl.)
05	8:57:49.9	47.420N 18.327E	0	1.0	-	Pusztavám (expl.)
05	12:28:46.6	48.037N 19.432E	1	1.5	-	Iliny
10	9:28:50.0	47.442N 18.258E	0	0.8	-	Pusztavám (expl.)
10	9:35:46.7	47.334N 18.450E	0	1.1	-	Zámoly (expl.)
11	9:15:27.0	47.048N 19.704E	10	2.6	4	Nagykőrös
13	10:10:54.1	47.367N 17.942E	10	0.3	-	Bakonyoszlop
15	22:52:00.8	47.931N 16.257E	3	1.5	-	Austria
16	22:01:21.8	47.437N 18.179E	3	0.0	-	Felsődobos
16	22:02:55.1	47.373N 18.236E	8	-0.4	-	Mór

Földrengés paraméterek

Hypocenter Parameters

17	8:41:33.5	47.224N	18.163E	10	0.9	-	Bakonykúti
19	7:20:26.7	46.001N	18.142E	0	0.8	-	Gyód (expl.)
19	10:13:35.5	47.254N	18.144E	10	0.8	-	Isztimér
19	15:54:25.0	48.007N	19.233E	6	2.5	4-5	Érsekvadkert
20	7:12:06.8	47.261N	18.363E	10	0.6	-	Sárkeresztes
23	20:34:52.6	47.452N	18.362E	13	0.8	-	Oroszlány
24	9:29:42.0	47.495N	18.357E	0	0.9	-	Vértessomló (expl.)
24	9:30:17.5	47.443N	18.336E	0	0.8	-	Oroszlány (expl.)
24	9:37:37.6	47.347N	18.370E	5	0.8	-	Zámoly
25	12:37:50.1	47.436N	18.049E	0	0.3	-	Aka (expl.)
27	17:41:17.7	46.005N	17.188E	31	2.2	-	Croatia
28	11:46:14.7	48.646N	20.741E	0	1.8	-	Slovakia (expl.)

MÁRCIUS / MARCH, 2014

01	23:19:37.5	47.352N	18.147E	0	0.0	-	Nagyveleg
03	9:58:12.1	47.872N	19.413E	0	1.2	-	Bercel (expl.)
03	13:29:00.0	47.958N	20.054E	0	0.9	-	Mátraderecske (expl.)
04	6:55:46.1	47.386N	18.338E	0	0.7	-	Gánt (expl.)
04	6:56:20.9	47.476N	18.391E	0	1.0	-	Várgesztes (expl.)
04	6:56:41.8	47.359N	18.406E	0	0.8	-	Gánt (expl.)
04	12:54:43.5	47.421N	18.057E	0	0.3	-	Aka (expl.)
05	12:18:42.5	47.201N	18.268E	0	0.4	-	Csór (expl.)
06	7:30:32.1	47.319N	18.234E	1	0.7	-	Bodajk
06	14:49:18.9	47.997N	20.126E	1	1.4	-	Kisfüzes
08	22:44:40.6	47.370N	18.194E	3	-0.2	-	Mór
09	1:30:04.8	47.352N	18.223E	6	-0.5	-	Mór
09	2:36:13.8	47.382N	18.203E	1	-0.6	-	Mór
09	2:36:59.0	47.326N	18.230E	3	-0.1	-	Bodajk
10	8:34:18.5	47.433N	18.354E	0	0.9	-	Oroszlány (expl.)
12	7:07:29.5	47.424N	18.206E	0	0.5	-	Pusztavám (expl.)
12	7:53:14.2	47.466N	18.378E	0	0.7	-	Várgesztes (expl.)
12	7:53:40.7	47.355N	18.412E	0	0.6	-	Gánt (expl.)
12	7:54:50.5	47.341N	18.390E	0	0.7	-	Zámoly (expl.)
13	3:44:35.8	48.308N	21.547E	5	2.2	-	Sárospatak
14	2:32:18.1	47.333N	18.250E	10	0.3	-	Bodajk
15	17:07:32.6	46.066N	16.247E	2	2.1	-	Croatia
17	7:22:22.9	47.903N	19.144E	0	1.6	-	Rétság
18	7:45:45.5	47.635N	18.394E	0	0.8	-	Baj (expl.)
18	7:46:56.0	47.340N	18.472E	0	0.8	-	Lovasberény (expl.)
18	7:51:29.1	47.339N	18.461E	0	0.8	-	Lovasberény (expl.)
18	7:51:45.7	47.431N	18.316E	0	0.5	-	Oroszlány (expl.)
18	11:21:20.4	47.445N	17.998E	0	0.5	-	Ácstesztér (expl.)
19	13:21:37.0	45.931N	20.699E	5	2.6	-	Romania
20	15:48:27.7	47.158N	17.737E	0	1.3	-	Herend (expl.)
21	9:16:34.4	47.499N	18.317E	0	0.9	-	Kecskéd (expl.)
21	11:05:52.2	47.453N	18.059E	0	0.3	-	Bakonysárkány (expl.)
22	9:24:36.5	48.025N	19.624E	0	1.0	-	Nagylóc (expl.)
24	8:33:08.2	47.332N	18.480E	0	1.1	-	Lovasberény (expl.)
25	11:53:25.6	47.665N	17.983E	10	1.2	-	Bábolna
25	13:02:04.9	47.425N	18.042E	0	0.4	-	Aka (expl.)
26	2:47:39.1	47.374N	18.205E	0	-0.2	-	Mór
26	8:40:00.8	47.335N	18.423E	0	1.0	-	Zámoly (expl.)
26	8:43:45.9	47.332N	18.428E	0	1.2	-	Zámoly (expl.)
26	8:43:57.3	47.529N	18.327E	0	1.2	-	Kecskéd (expl.)
26	12:49:55.0	47.435N	18.064E	0	0.2	-	Aka (expl.)
27	12:31:18.9	47.454N	18.049E	0	0.3	-	Vérteskethely (expl.)
27	20:39:43.0	47.363N	18.211E	1	-0.2	-	Mór
29	4:27:11.6	48.681N	20.186E	0	1.5	-	Slovakia
31	2:08:41.2	47.948N	16.415E	6	1.7	-	Austria
31	10:19:43.6	47.486N	17.945E	0	1.0	-	Bakonyszomb. (expl.)

Hypocenter Parameters

Földrengés paraméterek

ÁPRILIS / APRIL, 2014

01	6:40:05.5	46.020N	18.110E	0	0.6	-	Zók (expl.)
01	9:00:08.0	48.837N	20.425E	1	2.3	-	Slovakia
01	9:03:20.1	47.578N	18.351E	10	1.0	-	Környe
02	7:31:42.3	47.455N	18.248E	0	0.5	-	Pusztavám (expl.)
02	7:31:56.1	47.454N	18.292E	0	0.6	-	Oroszlány (expl.)
02	7:34:43.1	47.419N	18.301E	0	0.5	-	Pusztavám (expl.)
02	7:35:04.3	47.340N	18.403E	0	0.7	-	Zámoly (expl.)
02	7:35:37.7	47.454N	18.353E	0	0.8	-	Oroszlány (expl.)
04	10:15:27.1	47.433N	18.077E	0	0.4	-	Aka (expl.)
04	12:46:25.5	47.333N	18.269E	0	0.0	-	Söréd
05	8:18:01.9	48.064N	19.613E	0	1.1	-	Nógrádmegyer (expl.)
07	8:18:29.5	47.339N	18.465E	0	0.8	-	Lovasberény (expl.)
07	8:19:21.0	47.438N	18.354E	0	0.7	-	Oroszlány (expl.)
07	10:05:00.4	48.377N	19.827E	0	1.5	-	Slovakia (expl.)
08	9:33:43.9	46.238N	18.159E	0	1.0	-	Liget (expl.)
10	6:42:01.6	47.912N	19.880E	7	1.5	-	Mátraszentimre
11	6:33:04.3	47.424N	18.204E	0	0.3	-	Pusztavám (expl.)
11	6:39:30.7	47.439N	18.172E	0	0.3	-	Felsődobos (expl.)
11	6:54:11.9	46.002N	18.145E	0	0.9	-	Gyód (expl.)
11	8:09:34.5	46.096N	16.611E	12	2.2	-	Croatia
11	22:15:56.2	46.054N	18.415E	10	0.7	-	Hásságy
13	1:29:58.5	47.919N	16.343E	5	1.5	-	Austria
13	20:38:20.2	47.370N	18.105E	10	0.6	-	Nagyveleg
14	8:14:50.2	47.475N	18.352E	0	0.7	-	Oroszlány (expl.)
14	8:15:25.5	47.437N	18.349E	0	0.7	-	Oroszlány (expl.)
18	8:50:21.2	47.337N	17.567E	15	1.2	-	Nagygyimót
18	9:20:56.6	47.396N	18.108E	0	0.3	-	Aka (expl.)
22	1:16:35.2	47.362N	18.242E	7	-0.5	-	Mór
22	7:28:21.4	47.424N	18.309E	0	0.5	-	Pusztavám (expl.)
22	7:29:15.9	47.416N	18.316E	0	0.6	-	Pusztavám (expl.)
22	18:23:37.1	45.834N	17.886E	8	2.0	-	Sósvertike
23	21:13:12.2	47.096N	20.462E	7	1.9	-	Kétpó
24	12:06:10.7	48.237N	21.260E	5	1.8	-	Tállya
25	20:11:44.6	47.359N	18.209E	0	0.6	-	Mór
27	15:39:50.6	46.213N	16.748E	10	1.8	-	Croatia
29	9:38:11.1	47.459N	17.900E	0	0.8	-	Bakonybánk (expl.)
30	10:06:29.7	48.919N	20.668E	7	1.7	-	Slovakia

MÁJUS / MAY, 2014

02	10:14:07.0	48.740N	21.037E	0	1.8	-	Slovakia (expl.)
02	10:51:03.5	48.194N	19.805E	0	1.3	-	Slovakia (expl.)
02	21:58:47.5	47.313N	17.417E	2	1.0	-	Borsosgyőr
05	8:36:46.2	47.473N	18.385E	0	0.9	-	Várgesztes (expl.)
05	8:37:38.3	47.475N	18.336E	0	1.0	-	Oroszlány (expl.)
07	9:27:59.9	47.604N	16.361E	4	1.2	-	Austria
07	10:41:02.7	47.073N	17.758E	0	1.2	-	Szentgál (expl.)
08	6:37:56.2	48.047N	20.571E	4	2.8	5	Bükkszentkereszt
08	9:00:45.3	48.087N	20.656E	6	1.6	-	Bükkszentlászló
08	11:19:56.0	47.927N	18.000E	10	1.3	-	Slovakia
08	19:31:07.4	45.645N	21.462E	8	3.5	-	Romania
09	6:35:34.0	47.345N	18.351E	0	0.6	-	Zámoly (expl.)
09	6:35:52.2	47.330N	18.362E	0	0.6	-	Zámoly (expl.)
09	6:38:15.2	47.323N	18.365E	0	0.5	-	Zámoly (expl.)
12	11:02:51.6	48.348N	19.843E	6	1.7	-	Slovakia
12	14:20:15.7	47.109N	18.003E	0	0.8	-	Litér (expl.)
13	12:47:53.7	46.124N	18.299E	0	0.7	-	Vasas (expl.)
19	9:41:17.7	48.619N	20.742E	0	1.4	-	Slovakia (expl.)
20	11:44:58.4	47.187N	18.297E	0	0.2	-	Sárkeszi (expl.)

Földrengés paraméterek

Hypocenter Parameters

21	7:03:29.4	47.439N	18.435E	0	0.8	-	Várgesztes (expl.)
21	7:03:46.3	47.369N	18.482E	0	1.0	-	Csákvár (expl.)
21	7:30:03.1	48.617N	20.719E	0	1.3	-	Slovakia (expl.)
21	9:06:13.4	47.463N	18.225E	0	0.4	-	Bokod (expl.)
21	10:00:55.8	48.035N	19.623E	0	1.4	-	Nagylóc (expl.)
22	8:51:03.0	47.649N	16.321E	10	0.9	-	Austria
22	13:26:28.4	45.590N	22.848E	9	2.5	-	Romania
22	18:55:10.4	45.599N	22.842E	1	2.7	-	Romania
24	14:54:41.4	47.269N	18.122E	9	0.9	-	Isztimér
24	21:19:00.6	47.415N	18.200E	3	-0.3	-	Pusztavám
26	7:06:19.7	47.452N	18.334E	0	0.6	-	Oroszlány (expl.)
26	7:06:48.3	47.437N	18.347E	0	0.6	-	Oroszlány (expl.)
26	7:07:22.1	47.433N	18.360E	0	0.7	-	Oroszlány (expl.)
27	11:25:23.9	47.487N	18.042E	0	0.5	-	Kisbér (expl.)
28	8:04:37.7	47.445N	18.363E	0	0.6	-	Oroszlány (expl.)
28	8:51:16.6	48.615N	20.756E	0	1.6	-	Slovakia (expl.)
28	12:22:09.8	47.514N	18.215E	0	0.2	-	Dad (expl.)
28	12:39:18.0	47.502N	18.196E	0	1.1	-	Bokod (expl.)
29	13:02:00.4	47.479N	18.067E	0	0.4	-	Vérteskethely (expl.)

JÚNIUS / JUNE, 2014

02	6:53:47.2	47.291N	18.335E	0	0.1	-	Magyaralmás (expl.)
02	12:16:32.2	47.203N	18.316E	0	0.7	-	Sz.fehérvár (expl.)
03	6:43:56.6	46.903N	17.087E	0	1.9	-	Zalaudvarnok (expl.)
03	6:58:56.5	47.323N	18.407E	0	0.7	-	Zámoly (expl.)
03	6:59:16.5	47.360N	18.415E	0	0.6	-	Gánt (expl.)
03	8:12:35.4	47.951N	20.043E	0	1.4	-	Bodony (expl.)
04	7:11:14.9	47.063N	18.032E	0	0.7	-	Balatonfüzfő (expl.)
04	12:05:16.3	47.874N	19.085E	0	1.6	-	Berkenye (expl.)
04	12:22:21.5	47.234N	18.282E	0	0.4	-	Iszcasztgy (expl.)
04	17:56:29.0	48.040N	20.573E	7	3.0	5	Bükkszentkereszt
04	17:56:53.1	48.077N	20.599E	3	3.2	-	Lillafüred
04	20:02:03.9	47.391N	18.215E	1	-0.3	-	Mór
05	1:44:20.3	48.070N	20.573E	3	2.6	4-5	Bükkszentkereszt
05	8:53:32.6	47.453N	18.747E	0	1.3	-	Étyek (expl.)
07	19:41:14.8	48.408N	22.826E	7	2.5	-	Ukraine
08	21:57:46.7	47.849N	16.215E	2	2.4	-	Austria
10	3:41:17.2	47.935N	19.181E	8	1.1	-	Bánk
10	9:08:04.7	48.635N	20.766E	0	1.5	-	Slovakia (expl.)
10	9:35:48.2	47.236N	18.182E	0	0.4	-	Bakonykúti (expl.)
10	9:45:13.2	47.175N	18.218E	0	0.3	-	Csór (expl.)
10	12:14:12.6	48.472N	19.373E	0	1.7	-	Slovakia (expl.)
10	12:57:24.5	47.198N	18.205E	0	0.5	-	Csór (expl.)
10	20:29:18.7	48.399N	22.698E	3	1.3	-	Ukraine
11	6:54:05.1	47.354N	18.396E	0	0.4	-	Gánt (expl.)
11	6:54:36.9	47.429N	18.395E	0	0.5	-	Gánt (expl.)
11	6:55:05.0	47.445N	18.436E	0	0.7	-	Várgesztes (expl.)
11	6:55:38.2	47.462N	18.409E	0	0.7	-	Várgesztes (expl.)
12	9:19:20.8	47.902N	19.385E	0	1.5	-	Becske (expl.)
12	11:35:28.0	47.206N	18.298E	0	0.1	-	Sz.fehérvár (expl.)
13	6:09:22.9	47.329N	18.410E	0	0.5	-	Zámoly (expl.)
13	6:09:55.7	47.411N	18.341E	0	0.7	-	Gánt (expl.)
13	7:32:59.5	47.305N	18.697E	0	1.0	-	Kajászó (expl.)
13	17:37:06.5	48.061N	20.579E	7	1.5	-	Bükkszentkereszt
14	6:05:40.8	48.057N	19.593E	0	1.2	-	Nagylóc (expl.)
15	23:16:10.4	47.379N	18.423E	8	0.6	-	Gánt
16	10:07:08.8	48.478N	19.331E	0	1.8	-	Slovakia (expl.)
16	10:30:38.8	47.583N	16.341E	3	1.4	-	Austria
16	10:44:33.8	48.247N	21.249E	6	2.0	-	Tállya
17	10:34:50.2	48.334N	19.848E	0	1.2	-	Slovakia (expl.)

Hypocenter Parameters

Földrengés paraméterek

17	12:10:04.3	47.187N	18.297E	0	0.4	-	Sárkeszi (expl.)
18	6:54:33.3	47.435N	18.441E	0	0.8	-	Csákvár (expl.)
18	6:55:24.1	47.422N	18.367E	0	0.5	-	Gánt (expl.)
18	7:01:01.6	47.430N	18.384E	0	0.7	-	Gánt (expl.)
18	11:00:01.1	47.202N	18.345E	0	0.9	-	Sz,fehérvár (expl.)
18	22:39:10.4	46.298N	19.706E	7	1.1	-	Öttömös
20	21:01:47.7	46.051N	16.268E	14	1.9	-	Croatia
20	23:42:08.9	45.739N	18.346E	1	1.0	-	Croatia
22	3:43:04.3	45.805N	20.644E	6	1.9	-	Romania
22	21:42:11.0	45.574N	21.503E	0	3.2	-	Romania
24	9:04:44.4	47.104N	17.980E	10	0.7	-	Litér
24	10:28:12.6	47.104N	17.993E	10	0.8	-	Litér
24	11:09:32.2	48.050N	19.612E	0	1.5	-	Nagylóc (expl.)
24	11:18:49.3	48.056N	19.655E	0	1.1	-	Sóshartyán (expl.)
25	11:05:35.7	47.195N	18.315E	0	0.2	-	Sz,fehérvár (expl.)
26	11:11:47.1	47.229N	18.314E	0	0.6	-	Moha (expl.)
26	23:09:23.6	46.055N	17.070E	13	1.6	-	Croatia
27	7:20:40.4	47.412N	18.370E	0	0.5	-	Gánt (expl.)
27	7:21:32.6	47.432N	18.429E	0	0.7	-	Csákvár (expl.)
27	7:31:19.4	47.450N	18.388E	0	0.6	-	Várgesztes (expl.)
27	7:31:58.0	47.430N	18.361E	0	0.7	-	Oroszlány (expl.)
27	9:08:53.8	45.962N	18.249E	0	0.8	-	Szalánta (expl.)
27	10:37:47.9	48.132N	20.105E	10	1.1	-	Zabar
28	0:12:04.2	48.102N	20.455E	1	0.8	-	Nagyvisnyó
28	10:59:19.5	48.443N	19.538E	10	1.3	-	Slovakia

JÚLIUS / JULY, 2014

01	7:25:27.9	47.469N	18.400E	0	1.0	-	Várgesztes (expl.)
01	7:33:10.6	47.284N	18.396E	0	0.7	-	Zámoly (expl.)
01	7:33:41.8	47.412N	18.359E	0	0.6	-	Gánt (expl.)
01	8:47:19.0	48.127N	20.572E	5	1.7	-	Lillafüred
01	11:19:12.3	47.217N	18.286E	0	0.3	-	Iszcasztgy (expl.)
03	6:25:18.2	47.452N	18.398E	0	0.8	-	Várgesztes (expl.)
03	6:26:56.3	47.431N	18.381E	0	0.8	-	Gánt (expl.)
03	10:09:34.2	47.859N	19.118E	0	1.2	-	Szendehegy (expl.)
03	10:45:22.1	47.188N	18.305E	0	0.4	-	Sz.fehérvár (expl.)
03	12:47:55.8	48.513N	19.368E	0	1.4	-	Slovakia (expl.)
04	6:11:52.2	47.894N	19.889E	10	1.6	-	Mátraszentimre
04	8:14:44.1	45.949N	18.683E	0	0.6	-	Kölked (expl.)
04	8:28:28.2	48.563N	20.802E	0	1.6	-	Tornanádaska (expl.)
06	3:46:05.4	46.095N	17.068E	14	2.5	-	Croatia
07	7:06:33.4	47.095N	18.147E	0	0.8	-	Berhida (expl.)
07	9:21:25.1	45.563N	17.509E	17	1.8	-	Croatia
08	6:46:22.4	47.168N	18.192E	0	0.3	-	Ősi (expl.)
08	9:14:50.6	48.879N	20.501E	5	2.1	-	Slovakia
08	11:12:59.1	47.198N	18.244E	0	0.1	-	Csór (expl.)
09	21:03:20.3	46.028N	21.034E	12	2.2	-	Romania
10	6:19:41.6	47.431N	18.396E	0	0.6	-	Gánt (expl.)
10	6:19:57.0	47.436N	18.351E	0	0.7	-	Oroszlány (expl.)
10	6:20:33.8	47.393N	18.418E	0	0.7	-	Gánt (expl.)
10	9:04:59.8	47.372N	17.560E	0	1.2	-	Vaszar (expl.)
11	7:22:39.6	47.124N	17.980E	0	0.7	-	Kádárta (expl.)
14	9:53:13.5	47.294N	18.172E	10	0.0	-	Balinka
15	6:48:43.7	47.435N	18.428E	0	0.9	-	Várgesztes (expl.)
15	6:49:03.1	47.433N	18.404E	0	0.8	-	Várgesztes (expl.)
15	6:57:23.3	47.331N	18.480E	0	0.7	-	Lovasberény (expl.)
15	8:10:33.5	47.377N	18.650E	0	1.2	-	Vál (expl.)
17	7:35:36.7	47.450N	18.438E	0	0.8	-	Várgesztes (expl.)
17	7:50:41.5	47.185N	18.560E	0	1.0	-	Dinnyés (expl.)
18	4:11:47.2	47.129N	17.646E	14	0.9	-	Városlőd

Földrengés paraméterek
Hypocenter Parameters

18	6:54:43.7	47.314N	18.149E	7	0.2	-	Balinka
18	10:18:32.0	48.634N	20.745E	0	1.3	-	Slovakia (expl.)
19	0:49:55.9	47.398N	18.501E	5	0.1	-	Csákvár
22	9:18:44.3	47.181N	18.323E	0	0.4	-	Sz.fehérvár (expl.)
23	10:56:25.4	47.160N	18.348E	0	0.7	-	Sársztmihály (expl.)
25	6:47:08.1	47.338N	18.719E	0	0.9	-	Tordas (expl.)
25	20:34:06.5	48.081N	20.519E	10	0.8	-	Répáshuta
27	7:16:07.1	47.315N	18.477E	0	0.6	-	Pátka
28	7:35:14.9	47.363N	18.446E	0	0.8	-	Gánt (expl.)
28	7:35:48.3	47.440N	18.413E	0	0.8	-	Várgesztes (expl.)
28	7:36:00.3	47.348N	18.468E	0	0.7	-	Lovasberény (expl.)
28	7:42:10.3	47.450N	18.444E	0	0.7	-	Várgesztes (expl.)
29	12:37:00.9	47.201N	18.305E	0	0.5	-	Sz.fehérvár (expl.)
30	1:52:00.6	48.030N	19.443E	7	1.4	-	Iliny
30	7:31:04.9	46.208N	18.199E	0	0.5	-	Magyarszék (expl.)
31	6:40:01.4	45.890N	18.158E	10	1.0	-	Diósvizsló

AUGUSZTUS / AUGUST, 2014

01	11:06:30.2	47.460N	18.066E	0	0.4	-	Vérteskethely (expl.)
02	7:48:48.7	47.346N	18.124E	0	0.2	-	Nagyveleg
03	1:10:23.9	48.039N	19.397E	1	2.1	-	Iliny
03	1:12:56.1	48.034N	19.404E	8	1.4	-	Iliny
03	1:48:06.4	48.033N	19.397E	2	3.0	5	Iliny
03	11:22:55.5	47.403N	17.988E	0	0.3	-	Ácsteszer (expl.)
05	5:15:36.7	47.291N	18.174E	4	0.0	-	Balinka
05	6:59:59.8	47.495N	18.399E	0	1.1	-	Várgesztes (expl.)
05	7:00:17.5	47.448N	18.378E	0	1.0	-	Várgesztes (expl.)
05	12:15:08.8	47.480N	18.021E	0	0.6	-	Kisbér (expl.)
06	22:54:49.0	47.435N	18.228E	10	0.2	-	Pusztavám
07	11:34:16.3	47.451N	18.079E	0	0.4	-	Bakonysárkány (expl.)
08	9:16:25.3	48.909N	20.487E	0	1.9	-	Slovakia (expl.)
08	11:42:51.8	47.471N	18.072E	0	0.6	-	Vérteskethely (expl.)
08	20:17:35.3	45.750N	18.985E	2	1.8	-	Serbia
11	8:11:45.5	45.929N	18.694E	0	0.7	-	Kölked (expl.)
12	6:53:19.2	47.398N	18.464E	0	0.7	-	Csákvár (expl.)
12	7:12:52.2	45.882N	18.382E	0	1.3	-	Kisharsány (expl.)
13	10:36:09.4	46.491N	16.247E	7	2.2	-	Slovenia
13	13:07:06.2	47.425N	18.808E	0	0.9	-	Sóskút
14	6:12:34.6	47.952N	19.883E	0	1.6	-	Dorogháza (expl.)
15	7:29:25.4	47.417N	18.378E	0	0.6	-	Gánt (expl.)
15	7:36:20.5	47.349N	18.372E	0	0.9	-	Zámoly
15	9:18:39.2	48.896N	20.509E	0	2.3	-	Slovakia (expl.)
16	2:47:10.4	45.684N	19.285E	13	1.4	-	Serbia
18	12:09:32.5	47.470N	18.073E	0	0.2	-	Vérteskethely (expl.)
19	9:55:39.5	47.456N	18.244E	0	1.1	-	Pusztavám (expl.)
22	6:21:20.5	47.458N	18.402E	0	0.8	-	Várgesztes (expl.)
22	10:52:44.4	47.466N	18.070E	0	0.3	-	Vérteskethely (expl.)
25	7:36:07.4	47.430N	18.369E	0	0.5	-	Gánt (expl.)
25	7:36:40.7	47.411N	18.341E	0	0.6	-	Gánt (expl.)
25	11:22:31.5	47.462N	18.054E	0	0.3	-	Vérteskethely (expl.)
25	22:07:10.5	47.748N	18.374E	11	1.1	-	Neszmély
27	6:04:51.8	47.454N	18.205E	0	0.7	-	Bokod (expl.)
27	10:03:31.3	48.454N	19.422E	0	1.8	-	Slovakia (expl.)
27	14:19:39.1	48.100N	19.882E	0	1.9	-	Rónafalu
28	8:01:32.7	45.848N	18.415E	0	1.1	-	Nagyharsány (expl.)
28	9:02:28.2	45.969N	18.647E	0	0.4	-	Mohács (expl.)
29	7:14:04.3	47.456N	18.408E	0	0.7	-	Várgesztes (expl.)
29	10:24:17.9	47.441N	18.057E	0	0.4	-	Aka (expl.)

Hypocenter Parameters

Földrengés paraméterek

SZEPTEMBER / SEPTEMBER, 2014

01	7:10:26.9	47.181N	18.221E	0	0.0	-	Csór (expl.)
02	0:28:02.6	47.358N	18.829E	3	1.0	-	Tárnok
02	8:35:59.8	47.440N	18.402E	0	1.0	-	Várgesztes (expl.)
02	8:36:18.4	47.436N	18.448E	0	0.9	-	Csákvár (expl.)
02	9:04:21.2	47.064N	18.021E	0	0.8	-	Balatonfűzfő (expl.)
03	3:13:53.5	47.291N	18.340E	10	0.5	-	Magyaralmás
03	11:58:14.4	47.158N	18.320E	0	0.5	-	Sársztmihály (expl.)
05	6:38:57.1	47.456N	18.409E	0	0.8	-	Várgesztes (expl.)
05	6:41:32.4	47.237N	18.538E	0	1.0	-	Pákozd (expl.)
05	6:54:00.2	47.397N	18.439E	5	0.7	-	Csákvár
05	11:48:55.4	47.190N	18.312E	0	0.5	-	Sz.fehérvár (expl.)
08	9:38:01.8	48.095N	20.630E	1	1.2	-	Bükkszentlászló
08	9:57:08.4	48.054N	20.305E	0	0.8	-	Mikófalva (expl.)
08	11:51:44.0	48.365N	19.840E	0	1.8	-	Slovakia (expl.)
09	6:34:09.5	47.356N	18.425E	0	0.8	-	Gánt (expl.)
09	6:34:39.0	47.363N	18.450E	0	0.6	-	Gánt (expl.)
09	6:41:50.9	47.399N	18.455E	5	0.6	-	Csákvár
09	15:40:34.1	48.426N	19.531E	0	1.3	-	Slovakia (expl.)
10	11:37:39.6	47.216N	18.288E	0	0.4	-	Iszcasztgy (expl.)
11	6:49:54.7	48.041N	19.635E	0	1.1	-	Sóshartyán (expl.)
15	7:28:05.4	47.411N	18.362E	0	0.7	-	Gánt (expl.)
15	7:28:23.8	47.451N	18.408E	0	0.7	-	Várgesztes (expl.)
15	10:14:57.2	47.209N	18.300E	0	0.7	-	Moha (expl.)
15	13:37:13.5	47.218N	18.291E	0	0.8	-	Iszcasztgy (expl.)
16	9:21:07.3	48.633N	20.728E	0	1.8	-	Slovakia (expl.)
16	14:47:28.5	47.409N	18.189E	5	0.3	-	Pusztavám
17	8:05:58.8	45.804N	18.409E	0	1.4	-	Kásád (expl.)
17	9:55:12.6	47.199N	18.311E	0	0.5	-	Sz.fehérvár (expl.)
18	19:38:13.4	46.153N	21.958E	7	2.1	-	Romania
19	8:16:14.9	47.090N	18.001E	0	1.0	-	Litér (expl.)
19	10:12:46.3	47.076N	18.047E	0	1.1	-	Papkeszi (expl.)
19	10:48:47.9	47.182N	18.294E	0	0.6	-	Sárkeszi (expl.)
19	13:45:53.3	48.498N	19.435E	5	1.2	-	Slovakia
19	22:58:59.0	48.373N	19.442E	1	1.8	-	Slovakia
20	7:03:43.9	48.059N	19.652E	0	1.1	-	Sóshartyán (expl.)
24	11:09:14.0	47.191N	18.295E	0	0.4	-	Sárkeszi (expl.)
24	16:38:16.3	48.032N	19.438E	8	1.7	-	Iliny
25	7:17:43.2	48.037N	19.607E	0	1.2	-	Nagylóc (expl.)
25	10:36:17.6	47.205N	18.305E	0	0.6	-	Sz.fehérvár (expl.)
26	7:28:10.7	47.457N	18.440E	0	1.4	-	Várgesztes (expl.)
26	7:28:52.1	47.334N	18.530E	0	1.2	-	Lovasberény (expl.)
26	9:38:53.3	47.560N	18.535E	0	0.9	-	Nagyegyháza (expl.)
26	11:24:03.3	47.254N	18.263E	0	0.2	-	Kincsesbánya (expl.)
28	0:35:40.2	45.689N	17.398E	18	2.2	-	Croatia
28	1:41:53.3	45.823N	17.487E	8	1.9	-	Croatia
30	7:36:12.5	47.445N	18.424E	0	0.8	-	Várgesztes (expl.)
30	7:38:35.0	47.364N	18.439E	0	0.9	-	Gánt (expl.)
30	11:31:54.8	47.214N	18.296E	0	0.7	-	Moha (expl.)

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01	20:35:09.6	47.224N	17.346E	4	0.8	-	Nagyalásony
02	6:53:57.1	47.382N	18.424E	0	0.7	-	Gánt (expl.)
02	6:54:17.5	47.475N	18.414E	0	0.8	-	Várgesztes (expl.)
02	11:42:53.8	48.060N	20.270E	0	0.8	-	Egercsehi (expl.)
02	11:45:27.2	47.471N	18.067E	0	0.5	-	Vérteskethely (expl.)
03	5:32:42.5	47.946N	20.006E	0	1.1	-	Bodony (expl.)
03	5:48:42.6	47.458N	18.215E	0	0.5	-	Bokod (expl.)
03	12:07:20.8	47.209N	18.277E	0	0.7	-	Iszcasztgy (expl.)
03	13:55:37.9	48.360N	19.461E	1	1.6	-	Slovakia

Földrengés paraméterek

Hypocenter Parameters

06	6:35:15.2	47.382N	18.565E	0	1.0	-	Vértesacsba (expl.)
08	6:02:50.6	47.472N	18.217E	0	0.5	-	Bokod (expl.)
08	11:40:32.1	47.450N	18.140E	0	0.7	-	Felsődobos (expl.)
09	6:11:11.3	47.431N	18.382E	0	0.7	-	Gánt (expl.)
09	10:04:55.3	48.366N	19.854E	0	1.7	-	Slovakia (expl.)
09	12:11:01.9	48.475N	19.423E	0	1.5	-	Slovakia (expl.)
10	6:16:37.7	47.380N	18.450E	0	0.8	-	Csákvár (expl.)
11	10:47:04.5	47.001N	17.993E	0	0.9	-	Alsóörs (expl.)
12	21:17:35.0	46.382N	16.729E	10	1.3	-	Croatia
12	21:18:12.3	46.377N	16.757E	10	1.8	-	Croatia
13	6:46:09.6	47.431N	17.954E	0	0.5	-	Réde (expl.)
13	8:21:21.9	47.107N	17.965E	10	1.1	-	Kádárta
13	11:22:16.3	48.356N	19.875E	0	2.0	-	Slovakia (expl.)
13	12:18:37.9	47.187N	18.341E	0	0.5	-	Sz.fehérvár (expl.)
14	8:39:33.5	46.000N	18.129E	0	0.9	-	Aranyosgadány (expl.)
14	20:01:00.8	46.038N	18.304E	7	0.5	-	Kozármisleny
14	21:52:59.9	46.902N	17.390E	13	1.4	-	Tapolca
15	11:58:13.3	47.205N	18.282E	0	0.5	-	Csór (expl.)
16	7:26:07.6	47.434N	18.387E	0	0.8	-	Várgesztes (expl.)
16	7:26:33.7	47.443N	18.390E	0	0.8	-	Várgesztes (expl.)
16	7:32:33.1	47.959N	20.041E	3	1.5	-	Mátraballa
16	11:40:17.3	48.651N	20.211E	0	1.2	-	Slovakia (expl.)
16	14:53:07.4	48.726N	19.870E	15	1.3	-	Slovakia
19	13:43:12.3	45.569N	18.300E	7	1.3	-	Croatia
20	9:55:47.3	47.187N	17.955E	23	0.7	-	Eplény
21	7:55:02.4	45.977N	18.202E	0	0.8	-	Szőke (expl.)
21	8:40:26.4	48.392N	20.894E	0	1.5	-	Felsővadász (expl.)
23	20:14:38.9	47.032N	17.112E	5	1.6	-	Zalaerdőd
27	6:13:14.6	47.480N	18.219E	0	0.6	-	Bokod (expl.)
27	12:49:48.1	47.464N	18.067E	0	0.4	-	Vérteskethely (expl.)
27	14:23:57.3	47.440N	18.236E	1	1.1	-	Pusztavám
27	14:39:13.1	47.456N	18.235E	0	0.8	-	Pusztavám (expl.)
28	0:10:50.0	47.897N	18.014E	19	1.4	-	Slovakia
28	7:39:44.0	47.429N	18.390E	0	0.7	-	Gánt (expl.)
28	7:40:07.2	47.458N	18.411E	0	0.9	-	Várgesztes (expl.)
30	7:35:19.0	47.991N	19.954E	0	1.1	-	Mátramindszt (expl.)
30	10:44:28.7	48.657N	20.674E	0	1.7	-	Slovakia (expl.)
31	12:40:03.3	47.607N	18.503E	0	1.0	-	Tarján (expl.)

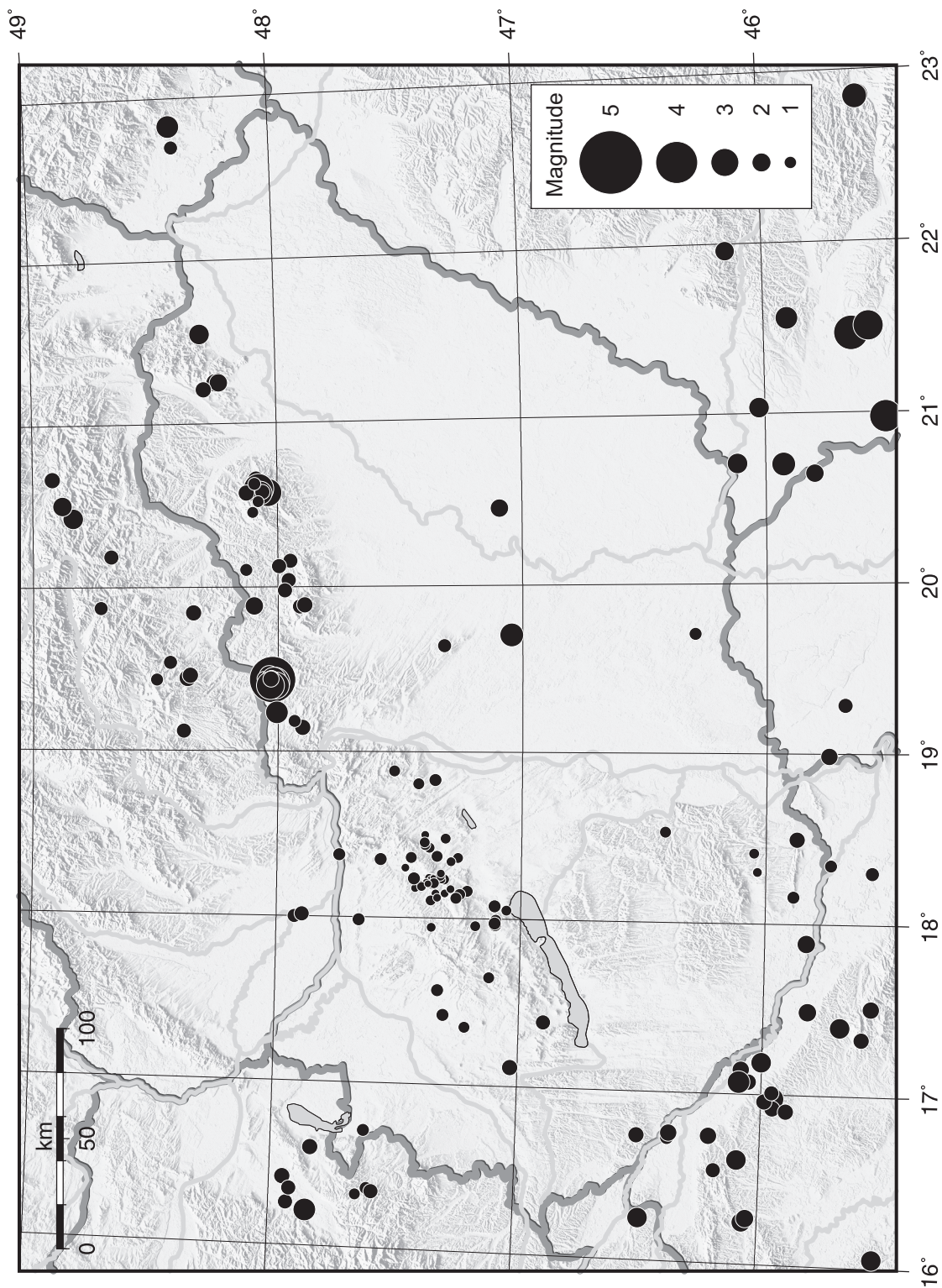
NOVEMBER / NOVEMBER, 2014

03	10:56:37.0	48.565N	19.328E	0	1.7	-	Slovakia (expl.)
03	11:39:08.7	47.085N	17.958E	0	1.1	-	Veszprém (expl.)
03	12:41:52.0	48.267N	21.237E	0	1.6	-	Tállya (expl.)
04	11:10:46.8	48.047N	20.301E	0	1.0	-	Mikófalva (expl.)
05	7:04:58.3	47.478N	18.219E	0	0.6	-	Bokod (expl.)
05	10:07:43.7	48.857N	20.496E	0	1.8	-	Slovakia (expl.)
05	12:37:22.2	47.493N	18.025E	0	0.7	-	Kisbér (expl.)
05	13:44:12.3	48.629N	20.757E	0	1.7	-	Slovakia (expl.)
06	14:27:19.1	47.476N	18.057E	0	0.5	-	Vérteskethely (expl.)
07	9:43:00.2	45.925N	18.710E	0	0.7	-	Kölked (expl.)
10	8:08:29.3	47.426N	18.402E	0	0.7	-	Gánt (expl.)
11	9:31:16.9	45.854N	18.427E	0	1.0	-	Nagyharsány (expl.)
11	13:17:14.2	47.475N	18.053E	0	0.7	-	Vérteskethely (expl.)
14	9:39:58.5	45.921N	18.706E	0	0.7	-	Kölked (expl.)
14	11:19:09.1	45.599N	17.330E	14	1.7	-	Croatia
14	11:22:14.8	48.475N	19.387E	0	1.7	-	Slovakia (expl.)
15	7:02:11.9	46.120N	20.707E	8	2.3	-	Romania
18	10:07:20.3	47.471N	18.235E	0	0.5	-	Bokod (expl.)
19	7:49:06.3	47.466N	18.416E	0	0.9	-	Várgesztes (expl.)
19	7:49:33.1	47.307N	18.403E	0	0.8	-	Zámoly (expl.)

Hypocenter Parameters

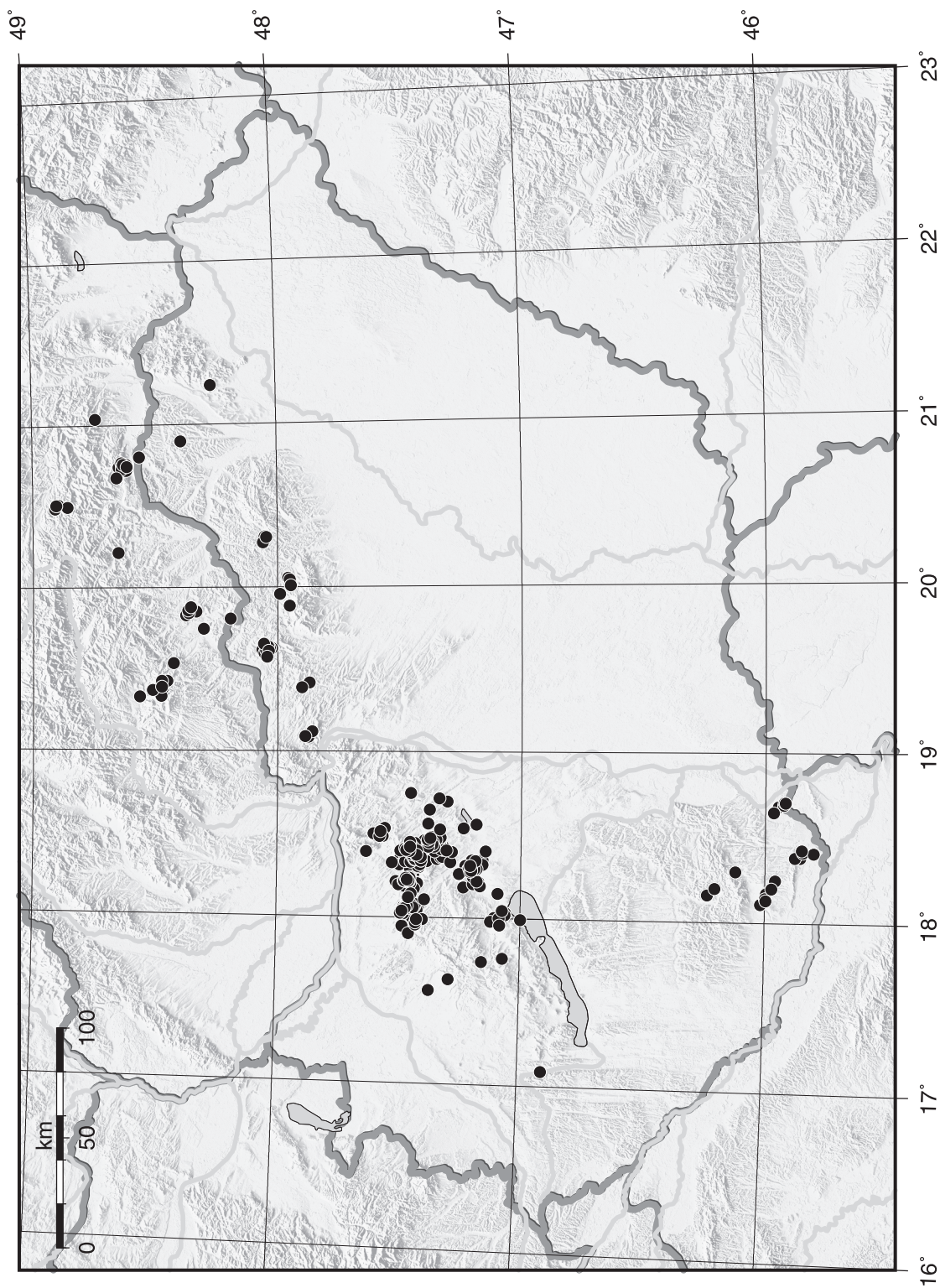
Földrengés paraméterek

19	12:09:57.7	48.234N	21.250E	10	1.9	-	Tállya
20	12:19:09.5	47.108N	17.972E	10	1.0	-	Kádárta
21	7:28:40.6	47.385N	18.466E	0	0.8	-	Csákvár (expl.)
21	7:33:34.3	47.430N	17.969E	0	0.4	-	Ácstesztér (expl.)
21	9:39:43.0	47.061N	18.052E	10	0.7	-	Balatonfűzfő
24	11:26:49.0	47.292N	17.630E	0	1.5	-	Homokbödöge (expl.)
25	7:36:13.8	47.457N	18.453E	0	1.0	-	Várgesztes (expl.)
25	7:38:38.7	47.429N	18.377E	0	0.7	-	Gánt (expl.)
25	9:47:13.6	47.568N	18.486E	0	0.9	-	Tatabánya (expl.)
25	18:16:22.6	45.908N	21.555E	10	2.5	-	Romania
26	12:29:00.6	47.210N	18.312E	0	0.6	-	Sz.fehérvár (expl.)
28	13:42:10.0	47.487N	18.038E	0	0.6	-	Kisbér (expl.)
30	2:41:30.0	47.525N	18.883E	10	0.9	-	Budakeszi
30	9:56:47.2	45.961N	17.009E	13	1.4	-	Croatia
DECEMBER / DECEMBER, 2014							
02	10:26:53.3	47.974N	19.978E	7	1.4	-	Mátramindszent
02	11:12:00.1	48.903N	20.506E	0	2.2	-	Slovakia (expl.)
02	21:28:25.6	47.477N	18.300E	0	0.1	-	Oroszlány
03	9:56:22.6	48.613N	20.742E	0	1.7	-	Slovakia (expl.)
03	12:51:41.7	47.462N	18.118E	0	0.8	-	Bakonysárkány (expl.)
04	8:23:35.5	47.457N	18.396E	0	1.0	-	Várgesztes (expl.)
04	8:23:57.2	47.471N	18.403E	0	0.9	-	Várgesztes (expl.)
05	11:28:26.3	48.296N	21.207E	13	1.6	-	Abaújkér
10	7:05:52.5	47.456N	18.423E	0	0.8	-	Várgesztes (expl.)
10	13:14:21.3	45.529N	16.052E	8	2.3	-	Croatia
11	4:53:15.7	47.322N	19.637E	13	1.3	-	Tápiószentmárton
11	8:20:42.3	47.581N	18.486E	0	0.9	-	Vérttestolna (expl.)
11	10:00:04.8	47.889N	19.088E	0	1.6	-	Berkenye (expl.)
12	13:41:30.2	48.304N	19.744E	0	1.5	-	Slovakia (expl.)
13	10:16:37.8	48.044N	19.573E	0	1.5	-	Nagylóc (expl.)
15	8:44:23.4	47.373N	18.478E	0	1.0	-	Csákvár (expl.)
16	1:52:36.7	48.387N	19.122E	9	1.5	-	Slovakia
16	11:41:56.8	47.147N	18.400E	0	0.8	-	Sársztmihály (expl.)
17	11:15:21.5	47.578N	18.514E	0	0.9	-	Tarján (expl.)
18	7:40:12.5	47.460N	18.221E	0	0.5	-	Bokod (expl.)
18	7:49:31.0	47.468N	18.226E	0	0.2	-	Bokod (expl.)
20	23:04:22.6	45.878N	18.497E	10	1.6	-	Márok
21	15:01:27.6	47.384N	18.207E	10	-0.1	-	Mór
22	6:49:38.3	47.428N	17.986E	0	0.5	-	Ácstesztér (expl.)
23	13:12:02.7	45.510N	20.973E	5	3.3	-	Romania
27	0:57:04.2	46.188N	16.547E	10	1.5	-	Croatia
27	9:38:15.9	47.837N	16.597E	3	1.6	-	Austria



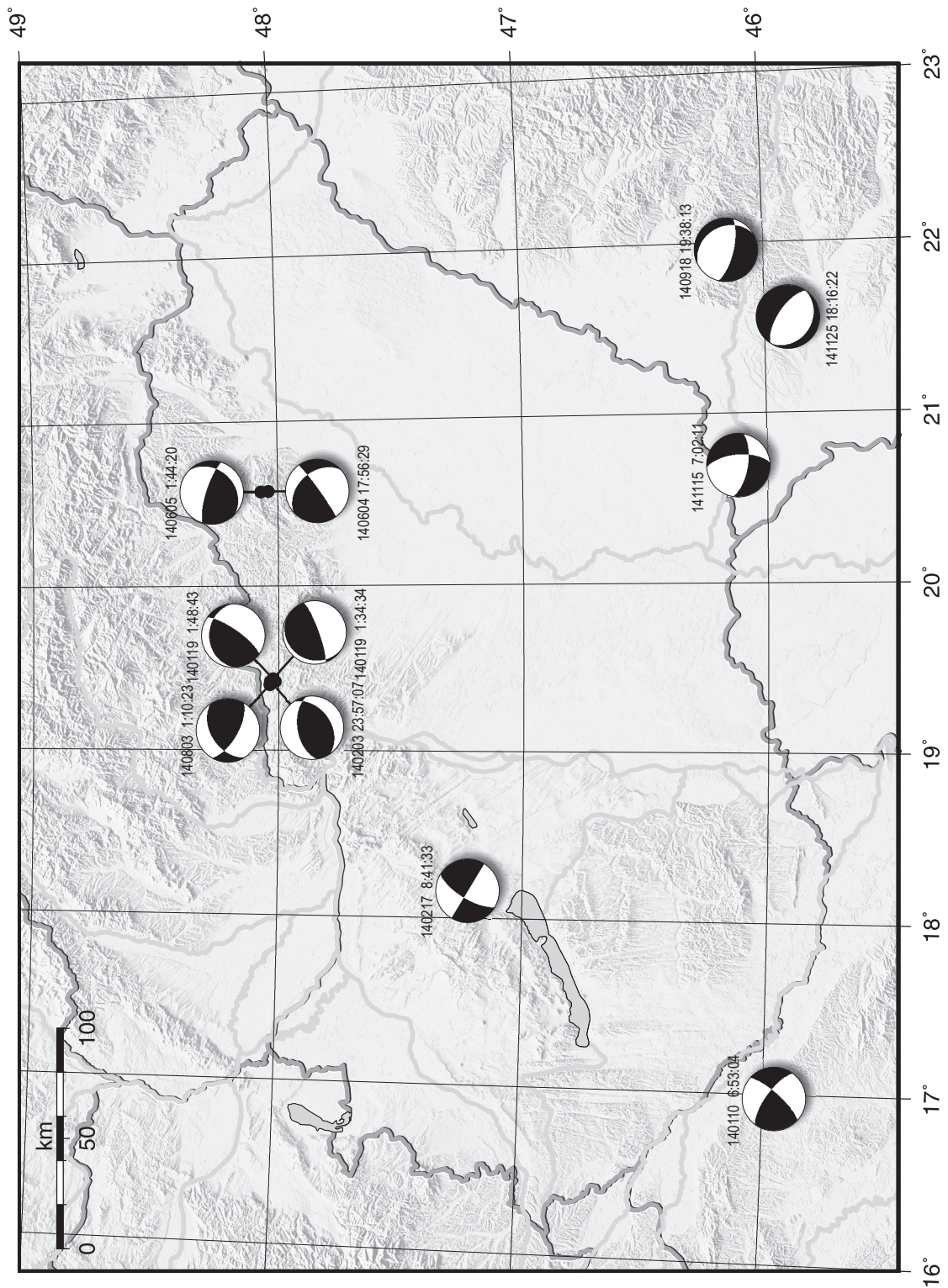
3.1. ábra A 2014-ben regisztrált földrengések epicentrumai

Figure 3.1. Epicenters of 2014 earthquakes



3.2. ábra A 2014-ben regisztrált robbantások epicentrumai












Figure 3.2. Epicenters of 2014 explosions



3.3. ábra A 2014-ben regisztrált földrengések fészekmechanizmusai

Figure 3.3. Fault plane solutions of 2014 earthquakes

A 2014-ben regisztrált földrengések fészekmechanizmusai
Fault plane solutions of 2014 earthquakes

No	Date	Time	Epicentre		1st nodal plane			P axis		T axis		
			Lat	Lon	Strike	Dip	Rake	Azim	Plunge	Azim	Plunge	
1.	2014.01.10	6:53:04	16.98	45.96	40	75	20	172	3	263	25	
2.	2014.01.19	1:34:34	19.43	48.03	70	80	100	151	34	352	54	
3.	2014.01.19	1:48:43	19.42	48.02	35	75	70	141	27	280	56	
4.	2014.02.03	23:57:07	19.42	48.04	55	40	70	339	7	222	76	
5.	2014.02.17	8:41:33	18.16	47.22	300	90	-160	167	14	73	14	
6.	2014.06.04	17:56:29	20.57	48.04	55	85	50	176	29	290	37	
7.	2014.06.05	1:44:20	20.57	48.07	45	30	30	358	26	229	52	
8.	2014.08.03	1:10:23	19.40	48.04	120	65	130	182	11	78	52	
9.	2014.09.18	19:38:13	21.96	46.15	105	70	-110	346	60	210	22	
10.	2014.11.15	7:02:11	20.71	46.12	100	65	-150	319	38	228	1	
11.	2014.11.25	18:16:22	21.56	45.91	125	25	-90	215	70	35	20	

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=kompRESSzió/fel, D=dilatáció/le. A *-gal jelzett fázisok nem lettek használva a hypocentrum számításhoz.
hr mn sec:	A fázis beérkezési ideje (óra, perc, másodperc).
res:	Reziduál (másodperc). ($res = T_{obs} - T_{cal}$, ahol T_{obs} a mért, és T_{cal} a számított menetidő.)

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 calculation.
hr mn sec:	Arrival time of the phase from input data.
res:	Residual of the phase in secs. ($res = T_{obs} - T_{cal}$, where T_{obs} is the observed and T_{cal} is the calculated travel time respectively.

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.

Földrengés paraméterek

Hypocenter Parameters

1.

2014-01-09 time: 8:54:16.02 UTC ML= 0.6
 lat: 47.431N lon: 18.200E h= 0.0 km
 erh= 2.3km erz= 334km
 nr= 6 gap=254 rms=0.19
 Locality: Pusztavám
 Comments: probably explosion

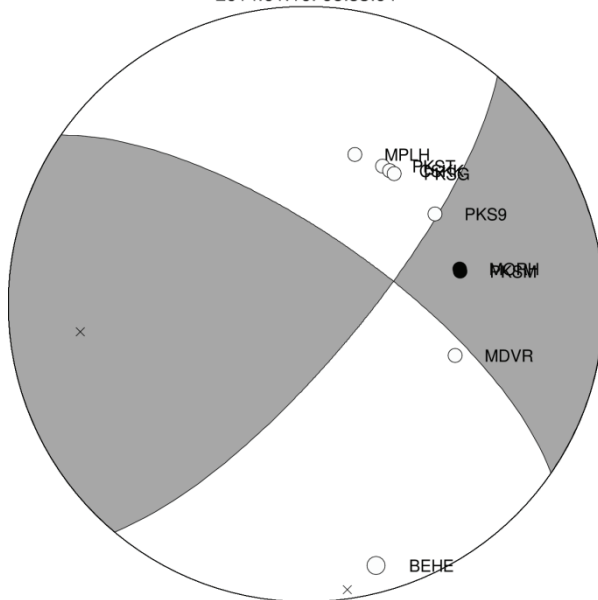
sta	dist	azm	phase	hr	mn	sec	res
CSKK	8.8	149	ePg	8:54:17.40			-0.19
			eSg		54:18.90		0.08
PKSG	15.0	107	ePgc	8:54:18.90			0.20
			eSg		54:20.70		-0.10
PKST	22.8	213	ePgD	8:54:19.90			-0.20
			eSg		54:23.60		0.32

2.

2014-01-10 time: 6:53:04.36 UTC ML= 2.5
 lat: 45.956N lon: 16.976E h= 10.0 km
 erh= 3.4km erz= 2.7km
 nr= 34 gap= 90 rms=1.31
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	59.3	345	ePgD	6:53:15.50			0.41
			eSg		53:26.10		2.64
KOGS	78.3	314	iPg	6:53:18.10			-0.36
			iSg		53:27.90		-1.55
PKSV	99.3	94	ePg	6:53:22.10			-0.08
			eSg		53:35.20		-0.88
CRES	118.8	263	iPn	6:53:24.70			-0.22
			eSn		53:39.90		-1.06
PKS9	122.6	55	ePnD	6:53:28.10			2.71
TIH	126.5	34	ePn	6:53:24.70			-1.18
			eSn		53:40.70		-1.97
PKSM	132.0	78	ePnC	6:53:25.80			-0.76
			eSn		53:41.20		-2.69
MORH	132.3	77	ePnC	6:53:25.90			-0.70
			eSn		53:42.20		-1.76
BLY	135.1	173	iPn	6:53:28.50			1.54
MPLH	141.8	18	ePnD	6:53:28.60			0.81
			eSn		53:46.30		0.23
PKST	166.1	29	ePnD	6:53:32.50			1.68
			eSn		53:49.00		-2.46
SOKA	169.8	298	Pn	6:53:31.20			-0.09
			Sn		53:51.00		-1.30
ARSA	182.0	322	Pn	6:53:33.00			0.20
			Sn		53:52.50		-2.49
CSKK	184.8	32	ePnD	6:53:36.20			3.04
			eSn		53:58.10		2.48
PKSG	192.9	34	ePnD	6:53:34.90			0.73
			eSn		54:03.70		6.28
OBKA	197.1	288	Pn	6:53:35.60			0.92
			Sn		54:00.60		2.26
CONA	235.2	339	Pn	6:53:39.50			0.07
			Sn		54:11.70		4.91
MODS	269.8	5	ePn	6:53:44.50			0.75
MOA	294.9	316	Pn	6:53:46.70			-0.18
			Sn		54:20.30		0.25
PSZ	311.5	46	iPn	6:53:44.90			-4.05
VYHS	315.4	27	ePn	6:53:49.60			0.16
			eSn		54:20.90		-3.71
MDVR	393.4	109	iPnD	6:53:53.90			-5.26

2014.01.10. 06:53:04



3.

2014-01-10 time: 7:01:39.49 UTC ML= 1.7
 lat: 45.956N lon: 16.919E h= 10.0 km
 erh= 4.6km erz= 3.6km
 nr= 22 gap=185 rms=1.20
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	58.2	349	ePg	7:01:49.80			-0.24
			eSg		01:59.70		1.43
KOGS	75.2	317	iPg	7:01:52.40			-0.64
			iSg		02:02.20		-1.41
CRES	114.4	263	iPn	7:01:59.10			-0.41
			iSn		02:14.30		-0.83
PKSM	136.2	78	ePn	7:02:01.70			-0.52
			eSn		02:18.40		-1.56
MORH	136.5	78	ePn	7:02:02.40			0.14
			eSn		02:18.10		-1.93
MPLH	143.1	19	ePnC	7:02:04.30			1.21
			eSn		02:21.70		0.21
SOKA	166.0	299	Sn	7:02:26.80			0.22
PKST	168.2	31	ePnD	7:02:07.10			0.89
			eSn		02:22.90		-4.15
ARSA	179.3	323	Pn	7:02:08.50			0.90
			Sn		02:29.90		0.37
OBKA	192.9	289	Pn	7:02:13.00			3.70
			Sn		02:37.80		5.25
MYKA	263.4	287	Sn	7:02:50.20			2.00
MOA	291.9	316	Pn	7:02:23.50			1.87
			Sn		02:53.70		-0.81

4.

2014-01-11 time: 19:07:45.08 UTC ML= 1.7
 lat: 45.900N lon: 16.901E h= 15.9 km
 erh= 5.0km erz= 2.8km
 nr= 15 gap=210 rms=0.88
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	64.2	351	ePgD	19:07:56.30			-0.58
			eSg		08:06.40		0.31
PKSV	104.9	91	ePnD	19:08:03.10			-0.05
			eSn		08:15.20		-2.05
PKS9	130.9	54	ePnD	19:08:07.20			0.81

Hypocenter Parameters

	eSn	08:22.20	-0.82
PKSM 139.1	76 ePn	19:08:08.50	1.08
	eSn	08:25.00	0.16
MPLH 149.5	19 eSn	19:08:27.10	-0.05
SOKA 168.0	301 Sn	19:08:31.80	0.54
ARSA 183.6	325 Pn	19:08:13.80	0.83
	Sn	08:32.50	-2.23
PKSG 201.3	35 eSn	19:08:43.70	5.05
MOA 295.6	317 Pn	19:08:27.20	0.27
	Sn	08:59.20	-0.37

5.

2014-01-11 time: 21:50:23.19 UTC ML= 1.7
 lat: 45.989N lon: 16.957E h= 10.0 km
 erh= 2.3km erz= 1.9km
 nr= 29 gap=165 rms=0.78
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	55.3	345	ePgD	21:50:33.90	0.68
			eSg	50:44.70	3.66
KOGS	74.7	313	iPg	21:50:36.60	-0.05
			iSg	50:46.40	-0.74
PKSV	101.0	96	ePg	21:50:40.70	-0.63
			eSg	50:52.90	-2.57
GOLS	103.3	271	iP*	21:50:41.60	-0.11
			iS*	50:56.00	-0.16
GCIS	104.0	262	iP*	21:50:42.30	0.47
			iS*	50:56.20	-0.17
CRES	117.8	261	iPn	21:50:43.30	-0.34
			iSn	50:59.10	-0.49
PKS9	121.6	57	ePnD	21:50:45.00	0.89
			eSn	50:59.80	-0.63
TIH	124.2	35	ePnD	21:50:43.70	-0.73
			eSn	50:57.80	-3.20
PKSM	132.5	79	ePnD	21:50:46.20	0.72
			eSn	51:02.00	-0.86
MPLH	138.6	19	ePn	21:50:46.30	0.06
			eSn	51:04.50	0.29
PKST	163.5	30	ePn	21:50:50.90	1.57
			eSn	51:09.90	0.18
SOKA	166.8	297	Pn	21:50:51.10	1.35
			Sn	51:09.50	-0.96
ARSA	178.1	322	Pn	21:50:51.90	0.74
			Sn	51:11.00	-1.97
PKSG	190.6	35	ePnD	21:50:57.40	4.68
PENC	267.4	42	ePnD	21:51:04.10	1.81
MOA	291.2	315	Pn	21:51:06.50	1.24
			Sn	51:37.20	-0.87

6.

2014-01-12 time: 1:28:29.18 UTC ML= 1.6
 lat: 46.507N lon: 16.738E h= 12.4 km
 erh= 3.0km erz= 1.5km
 nr= 21 gap= 92 rms=0.73
 Locality: Kistolmács
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	5.1	145	ePgD	1:28:31.50	-0.07
			eSg	28:33.30	-0.13
KOGS	38.0	260	iPg	1:28:36.80	0.48
			eSg	28:42.50	0.61
MPLH	95.7	40	eP*	1:28:46.20	-0.12
			eS*	28:59.70	0.00
TIH	98.5	64	eP*D	1:28:47.00	0.25
			eS*	29:00.70	0.25
GOLS	102.1	237	eP*	1:28:47.10	-0.19
			eS*	29:00.20	-1.23
DOBS	105.5	248	iPn	1:28:47.80	0.02
PKS9	118.5	86	eSn	1:29:07.60	2.42
ARSA	124.1	312	Pn	1:28:49.20	-0.90

Földrengés paraméterek

	Sn	29:05.10	-1.32
LEGS 126.0	240 ePn	1:28:51.00	0.67
SOKA 132.1	278 Pn	1:28:51.50	0.41
	Sn	29:07.70	-0.49
PKSM 150.1	103 ePn	1:28:52.70	-0.64
	eSn	29:10.20	-2.00
OBKA 168.0	270 Pn	1:28:56.00	0.42
	Sn	29:19.60	3.43

7.

2014-01-13 time: 12:21:55.33 UTC ML= 0.6
 lat: 47.215N lon: 18.281E h= 0.0 km
 erh= 6.1km erz= 823km
 nr= 8 gap=242 rms=0.61
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.6	355	ePgD	12:21:57.80	-0.49
			eSg	22:01.20	0.60
PKST	19.3	285	ePgD	12:21:58.00	-0.78
			eSg	22:01.10	-0.37
PKSG	21.4	23	ePgD	12:21:59.50	0.36
			eSg	22:02.90	0.78
MPLH	56.4	265	ePnC	12:22:05.90	0.50
			eSg	22:15.40	2.14

8.

2014-01-15 time: 16:38:04.12 UTC ML= 1.8
 lat: 46.089N lon: 17.143E h= 3.4 km
 erh= 4.8km erz= 3.1km
 nr= 11 gap=222 rms=0.54
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	51.0	326	ePgD	16:38:12.80	-0.45
			eSg	38:23.50	3.13
PKSV	88.8	105	ePnC	16:38:19.70	-0.28
			eSg	38:31.80	-0.56
TIH	107.0	33	ePgD	16:38:23.60	0.36
PKSM	116.6	83	ePgD	16:38:25.60	0.66
			eSg	38:41.20	0.02
MPLH	124.0	14	ePnD	16:38:26.00	-0.19
			eSn	38:43.80	0.40
PKST	146.9	28	ePn	16:38:29.80	0.76
			eSn	38:46.20	-2.28

9.

2014-01-17 time: 4:22:36.22 UTC ML= 1.7
 lat: 48.039N lon: 19.438E h= 10.0 km
 erh= 1.5km erz= 1.9km
 nr= 13 gap= 60 rms=0.50
 Locality: Iliny
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	30.0	203	ePgD	4:22:41.70	-0.17
			eSg	22:46.20	-0.09
PSZ	36.6	112	ePnC	4:22:43.40	0.40
			eSg	22:48.20	-0.09
VYHS	67.5	319	ePg	4:22:48.90	0.50
			eSg	22:56.80	-1.10
SRO	87.8	253	eSg	4:23:03.80	-0.49
KECS	92.1	58	ePg	4:22:52.60	-0.16
			eSg	23:04.90	-0.77
BSZH	103.1	143	eS*	4:23:08.90	-0.25
LANS	123.6	1	ePn	4:22:58.70	1.32
			eSn	23:13.40	-0.49
MODS	164.9	283	ePn	4:23:03.00	0.47

Földrengés paraméterek

Hypocenter Parameters

10.

2014-01-17 time: 8:32:04.50 UTC ML= 0.7
 lat: 45.994N lon: 18.179E h= 0.0 km
 erh= 1.1km erz= 109km
 nr= 6 gap=261 rms=0.06
 Locality: Gyód
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	13.1	154	ePg	8:32:06.80	-0.03
			eSg	32:08.70	0.05
PKSM	43.1	56	ePgC	8:32:12.20	0.00
			eSg	32:18.30	0.09
MORH	43.6	56	ePgC	8:32:12.30	0.02
			eSg	32:18.20	-0.14

11.

2014-01-17 time: 8:37:06.71 UTC ML= 0.8
 lat: 45.997N lon: 18.173E h= 0.0 km
 erh= 0.5km erz=50.9km
 nr= 6 gap=263 rms=0.03
 Locality: Gyód
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	13.5	153	ePg	8:37:09.10	-0.01
			eSg	37:11.00	0.01
PKSM	43.4	57	ePgC	8:37:14.50	0.05
			eSg	37:20.50	0.01
MORH	43.8	56	ePgC	8:37:14.50	-0.03
			eSg	37:20.60	-0.03

12.

2014-01-17 time: 8:40:09.99 UTC ML= 1.1
 lat: 47.323N lon: 18.410E h= 0.0 km
 erh= 2.1km erz= 581km
 nr= 10 gap=183 rms=0.45
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.8	349	ePgC	8:40:11.60	0.22
			eSg	40:12.20	-0.26
CSKK	12.2	292	ePgD	8:40:12.00	-0.16
			eSg	40:13.00	-0.86
PKST	29.3	256	ePgD	8:40:15.50	0.28
			eSg	40:20.40	1.09
MORH	124.4	172	ePg	8:40:32.80	0.61
			eSg	40:49.20	-0.32
PKSM	124.8	172	ePgC	8:40:32.00	-0.27
			eSg	40:49.10	-0.55

13.

2014-01-17 time: 8:40:25.42 UTC ML= 1.1
 lat: 47.318N lon: 18.424E h= 0.0 km
 erh= 2.7km erz= 647km
 nr= 7 gap=189 rms=0.42
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.6	343	ePgC	8:40:27.20	0.25
			eSg	40:28.20	0.05
CSKK	13.3	292	ePgD	8:40:27.50	-0.30
			eSg	40:29.20	-0.46
PKST	30.2	257	eSg	8:40:36.40	1.38
MORH	123.7	172	eSg	8:41:04.70	-0.04
PKSM	124.1	172	eSg	8:41:04.70	-0.17

14.

2014-01-19 time: 1:34:34.54 UTC ML= 4.2
 lat: 48.025N lon: 19.435E h= 2.4 km
 erh= 1.7km erz= 1.8km
 nr= 37 gap= 40 rms=0.67
 Locality: Iliny
 Comments: felt 5 EMS

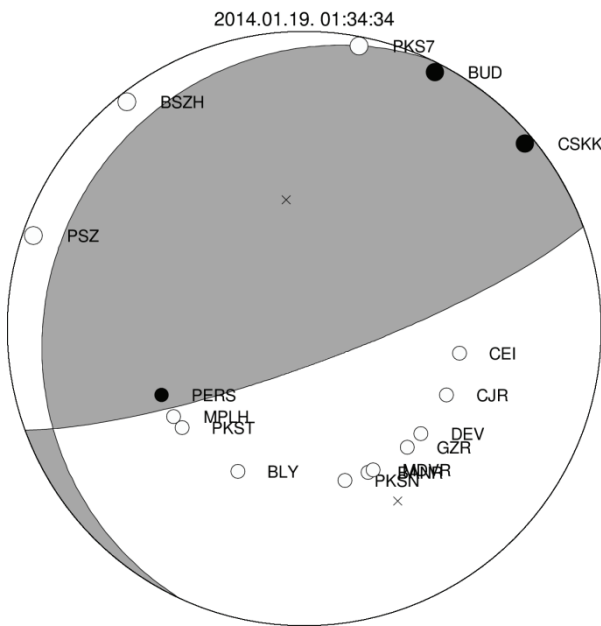
sta	dist	azm	phase	hr mn sec	res
PENC	28.5	204	iPg	1:34:39.90	0.26
			eSg	34:44.10	0.47
PSZ	36.3	109	iPgD	1:34:41.50	0.46
			eSg	34:46.40	0.29
BUD	67.6	207	ePgC	1:34:46.40	-0.22
			eSg	34:54.70	-1.35
VYHS	68.5	320	ePg	1:34:46.90	0.12
			eSg	34:54.90	-1.43
SRO	87.1	254	ePg	1:34:49.90	-0.19
			eSg	35:00.60	-1.62
KECS	93.2	57	ePg	1:34:50.20	-0.99
			eSg	35:03.00	-1.17
BSZH	102.1	142	ePgD	1:34:53.20	0.43
			eSg	35:07.00	0.01
PKSG	105.3	228	ePg	1:34:53.40	0.05
			eSg	35:08.30	0.27
PKS7	110.7	191	ePgD	1:34:54.30	0.00
			eSg	35:08.60	-1.12
CSKK	114.8	230	ePgC	1:34:53.90	-1.15
			eSg	35:09.50	-1.55
LANS	125.2	1	ePn	1:34:56.70	-0.18
			eSn	35:11.50	-2.80
PKSN	129.6	165	ePnD	1:34:57.80	0.37
			eSn	35:14.40	-0.88
PKST	135.4	231	ePnD	1:34:57.60	-0.55
			eSn	35:15.30	-1.27
SMOL	158.5	290	ePn	1:35:02.60	1.56
			eSn	35:21.50	-0.21
PKS6	158.8	176	ePn	1:35:03.00	1.93
			eSn	35:22.00	0.24
MODS	165.0	284	ePn	1:35:02.50	0.66
			eSn	35:22.60	-0.54
TIH	170.8	223	ePn	1:35:03.00	0.44
			eSn	35:25.40	0.98
PKS2	171.3	186	ePn	1:35:05.00	2.37
			eSn	35:25.70	1.16
MPLH	171.3	236	ePnD	1:35:02.90	0.27
			eSn	35:27.10	2.55
ZST	174.7	276	ePn	1:35:04.30	1.25
			eSn	35:25.50	0.20
PKS9	182.2	209	ePn	1:35:03.60	-0.39
			eSn	35:27.10	0.13
LTVH	198.3	111	eSn	1:35:32.50	1.97
STHS	204.1	41	ePn	1:35:06.90	0.18
MORH	209.9	197	ePn	1:35:06.30	-1.14
PKSM	210.4	197	ePn	1:35:06.50	-1.00
SOP	218.6	260	ePn	1:35:07.90	-0.63
OKC	222.5	335	ePn	1:35:09.50	0.48
			eSn	35:33.40	-2.51
CEI	229.4	99	iPnD	1:35:09.50	-0.38
TRPA	231.6	87	ePn	1:35:09.20	-0.95
			eSn	35:43.60	5.67
KOLS	232.9	64	ePn	1:35:09.70	-0.61
MORC	239.2	325	iPn	1:35:10.60	-0.49
VRAC	253.3	304	iPn	1:35:12.30	-0.55
PKSV	254.0	201	ePn	1:35:12.40	-0.54
			eSn	35:49.40	6.50
SIRR	258.2	139	iPn	1:35:12.70	-0.76
			ePn	1:35:15.00	0.64
BEHE	265.4	229	eSn	35:44.30	-1.12
			Pn	1:35:13.70	-0.86
CONA	267.0	268	Sn	35:42.60	-3.18
			iPn	1:35:16.30	-0.23
DRGR	282.8	119	iPn	1:35:16.90	-0.35
TIM	288.6	152	iPn	1:35:16.90	-0.35
KOGS	298.1	234	ePn	1:35:18.10	-0.34

Hypocenter Parameters

Földrengés paraméterek

		eSn	36:04.60	11.91	
KRLC	299.3	320	ePn	1:35:18.70	0.11
		eSn	35:49.40	-3.56	
ARSA	306.3	254	Pn	1:35:19.00	-0.46
		Sn	35:52.30	-2.20	
BMR	306.6	97	iPn	1:35:19.90	0.40
BZS	315.3	148	iPn	1:35:19.80	-0.79
BANR	321.3	156	iPnD	1:35:21.10	-0.23
TREC	323.3	296	ePn	1:35:21.00	-0.58
		eSn	35:54.00	-4.27	
DPC	344.0	319	ePn	1:35:24.30	0.14
		eSn	35:59.80	-3.07	
CJR	346.7	115	iPnD	1:35:25.20	0.71
DEV	355.6	132	iPnD	1:35:25.30	-0.30
BISS	359.8	245	iPn	1:35:25.40	-0.73
PERS	361.1	245	iPnC	1:35:25.80	-0.50
SOKA	364.8	246	Pn	1:35:26.30	-0.45
		Sn	36:04.20	-3.28	
UPC	371.8	318	ePn	1:35:27.60	-0.03
		eSn	36:06.10	-2.95	
ARCR	384.7	106	iPn	1:35:29.80	0.56
MOA	386.7	267	Pn	1:35:29.00	-0.49
GZR	388.5	139	iPnD	1:35:29.50	-0.21
MDVR	400.9	154	iPnD	1:35:30.80	-0.45
BLY	403.3	205	iPnD	1:35:31.00	-0.55
OBKA	406.4	245	Pn	1:35:31.80	-0.14

		eSg	49:12.20	-1.33	
BSZH	102.2	141	ePgD	1:49:01.90	0.26
		eSg	49:15.90	0.01	
PKSG	103.8	228	ePg	1:49:02.20	0.26
PKS7	109.6	190	ePgD	1:49:03.60	0.64
CSKK	113.3	230	ePgC	1:49:02.70	-0.93
		eSg	49:18.50	-0.92	
LANS	126.1	2	ePn	1:49:05.40	-0.21
		eSn	49:20.50	-2.44	
PKSN	129.1	165	ePn	1:49:06.50	0.52
		eSn	49:23.20	-0.41	
PKST	133.8	231	ePn	1:49:06.00	-0.58
		eSn	49:23.80	-0.87	
SMOL	157.7	290	ePn	1:49:11.20	1.66
		eSn	49:31.40	1.45	
PKS6	158.0	176	ePn	1:49:09.70	0.11
		eSn	49:30.90	0.88	
MODS	164.0	284	ePn	1:49:10.90	0.57
		eSn	49:31.40	0.05	
TIH	169.3	223	ePnC	1:49:11.70	0.71
		eSn	49:34.90	2.38	
MPLH	169.8	236	ePn	1:49:11.70	0.64
		eSn	49:36.50	3.86	
PKS2	170.3	185	ePn	1:49:11.10	-0.02
		eSn	49:33.90	1.15	
ZST	173.6	277	ePn	1:49:12.20	0.67
		eSn	49:32.80	-0.68	
PKS9	180.8	208	ePnC	1:49:12.40	-0.04
		eSn	49:37.50	2.40	
LTVH	199.2	111	ePn	1:49:14.80	0.07
		eSn	49:43.80	4.63	
STHS	205.6	41	ePn	1:49:15.80	0.28
		eSn	49:44.40	3.81	
MORH	208.7	196	ePn	1:49:15.10	-0.81
		eSn	49:37.50	-3.78	
PKSM	209.2	196	ePnD	1:49:15.30	-0.67
		eSn	49:39.70	-1.69	
SOP	217.2	260	ePnD	1:49:16.60	-0.37
		eSn	49:47.80	4.64	
OKC	222.8	335	ePn	1:49:18.20	0.53
		eSn	49:41.90	-2.51	
TRPA	233.0	87	ePn	1:49:18.70	-0.24
		eSn	49:51.50	4.84	
KOLS	234.4	64	ePn	1:49:18.80	-0.32
MORC	239.2	325	iPn	1:49:19.70	-0.01
PKSV	252.7	201	ePnC	1:49:21.10	-0.30
		eSn	49:58.20	7.15	
VRAC	252.8	305	iPn	1:49:21.20	-0.21
BEHE	263.8	229	ePnC	1:49:24.00	1.22
		eSn	49:53.60	0.09	
CONA	265.7	268	Pn	1:49:22.50	-0.52
		Sn	49:51.40	-2.53	
DRGR	283.5	119	iPnD	1:49:24.90	-0.34
KOGS	296.6	234	ePn	1:49:27.30	0.43
KRLC	299.2	320	ePn	1:49:27.30	0.11
		eSn	49:59.60	-1.76	
ARSA	304.9	254	Pn	1:49:27.80	-0.10
		Sn	50:01.10	-1.52	
BMR	307.7	97	iPnD	1:49:29.50	1.24
BZS	315.3	148	iPn	1:49:28.60	-0.60
TREC	322.6	296	ePn	1:49:29.90	-0.21
		eSn	50:04.30	-2.25	
DPC	343.9	319	ePn	1:49:33.20	0.44
		eSn	50:09.50	-1.78	
CJR	347.5	115	iPn	1:49:33.80	0.59
DEV	356.0	132	iPn	1:49:34.30	0.03
SOKA	363.3	246	Pn	1:49:35.10	-0.08
UPC	371.7	318	ePn	1:49:36.50	0.27
		eSn	50:14.80	-2.65	
MOA	385.4	267	Pn	1:49:38.00	0.06
ARCR	385.7	106	iPn	1:49:38.30	0.32
GZR	388.7	139	iPnD	1:49:38.50	0.15
MDVR	400.7	154	iPnD	1:49:39.50	-0.35
BLY	401.9	205	iPn	1:49:39.80	-0.20
OBKA	404.8	246	Pn	1:49:40.60	0.23



15.

2014-01-19 time: 1:48:43.39 UTC ML= 3.2
 lat: 48.017N lon: 19.418E h= 4.2 km
 erh= 1.4km erz= 1.4km
 nr= 36 gap= 39 rms=0.51
 Locality: Iliny
 Comments: felt 4-5 EMS

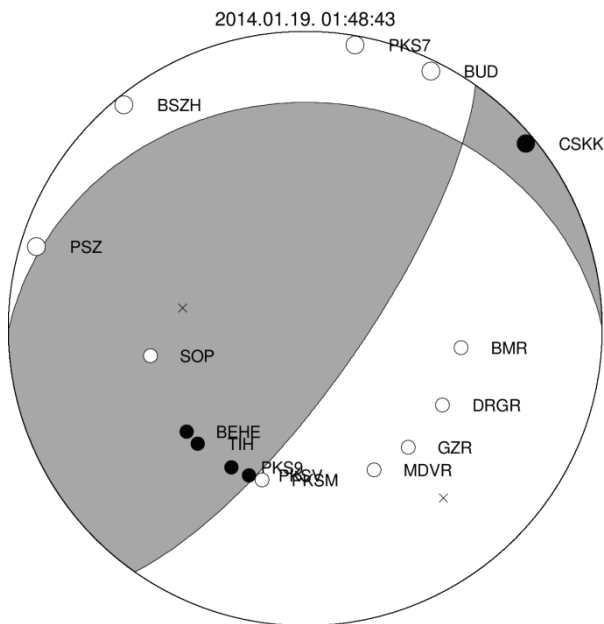
sta	dist	azm	phase	hr	mn	sec	res
PENC	27.2	202	ePg	1:48:48.50			0.20
			eSg	48:52.80			0.67
PSZ	37.3	107	ePgD	1:48:50.30			0.22
			eSg	48:55.10			-0.21
BUD	66.3	206	ePgD	1:48:55.20			-0.04
			eSg	49:03.70			-0.79
VYHS	68.4	321	ePg	1:48:55.80			0.18
			eSg	49:03.90			-1.26
SRO	85.6	255	ePg	1:48:58.30			-0.39
			eSg	49:09.50			-1.13
KECS	94.7	57	ePg	1:48:59.00			-1.32

Földrengés paraméterek

HERR	417.9	147	iPn	1:49:41.50	-0.49
PRU	418.7	302	ePn	1:49:41.70	-0.40
			eSn	50:24.30	-3.59
PRA	430.0	302	ePn	1:49:43.00	-0.51
			eSn	50:26.40	-4.01
BURB	436.6	96	iPn	1:49:44.70	0.37
KHC	448.4	286	ePn	1:49:45.60	-0.19
			eSn	50:31.80	-2.67
PVCC	450.0	308	ePn	1:49:45.50	-0.50
			eSn	50:31.60	-3.23
KBA	468.9	257	Pn	1:49:47.50	-0.86

Hypocenter Parameters

			eSn	41:34.70	-0.31
PKS6	160.0	177	eSn	16:41:34.70	-0.39
MODS	166.3	283	ePn	16:41:15.60	0.76
			eSn	41:34.80	-1.69
TIH	172.9	223	ePnD	16:41:16.90	1.24
			eSn	41:39.90	1.95
MPLH	173.5	236	ePnD	16:41:17.50	1.77
			eSn	41:40.80	2.72
ZST	176.2	276	ePn	16:41:18.00	1.92
			eSn	41:38.30	-0.39
PKS9	184.2	209	ePn	16:41:18.30	1.23
			eSn	41:42.30	1.83
MORH	211.7	197	ePnC	16:41:19.20	-1.30
PKSM	212.2	197	ePnC	16:41:19.30	-1.26
KOLS	230.8	64	ePn	16:41:23.00	0.12



16.

2014-01-19 time: 16:40:47.09 UTC ML= 2.2
 lat: 48.037N lon: 19.458E h= 0.1 km
 erh= 1.7km erz= 1.9km
 nr= 41 gap= 57 rms=0.98
 Locality: Varsány
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	30.4	206	ePg	16:40:52.50	-0.02
			eSg	40:56.80	0.05
PSZ	35.2	112	ePgC	16:40:54.00	0.63
			eSg	40:58.80	0.52
VYHS	68.6	318	ePg	16:40:59.60	0.26
			eSg	41:07.20	-1.69
BUD	69.6	208	ePgC	16:40:59.20	-0.32
			eSg	41:08.60	-0.61
SRO	89.1	254	ePg	16:41:04.10	1.11
			eSg	41:13.40	-1.99
KECS	91.0	57	ePg	16:41:03.10	-0.24
			eSg	41:15.10	-0.92
BSZH	102.1	143	ePgD	16:41:05.40	0.08
			eSg	41:19.50	-0.04
PKSG	107.5	228	ePgD	16:41:06.30	0.02
			eSg	41:21.20	-0.06
PKS7	112.3	191	ePgD	16:41:07.50	0.36
			eSg	41:21.60	-1.18
CSKK	117.0	230	ePgD	16:41:07.40	-0.58
			eSg	41:22.80	-1.47
LANS	123.8	0	ePg	16:41:09.60	0.41
			eSg	41:24.20	-2.24
PKSN	130.5	166	eSn	16:41:26.70	-1.83
PKST	137.5	231	ePnD	16:41:10.30	-0.95
			eSn	41:29.60	-0.51
SMOL	159.6	289	ePn	16:41:15.30	1.29

17.

2014-01-19 time: 19:36:21.65 UTC ML= 1.3
 lat: 48.061N lon: 19.442E h= 10.0 km
 erh= 2.7km erz= 3.7km
 nr= 9 gap=115 rms=0.58
 Locality: Csitár
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	32.4	202	ePgC	19:36:27.40	-0.31
			eSg	36:31.70	-0.74
PSZ	37.3	115	ePgC	19:36:28.90	0.35
			eSg	36:33.70	-0.23
VYHS	65.9	317	ePg	19:36:34.50	0.95
			eSg	36:42.10	-0.73
KECS	90.5	59	ePg	19:36:38.50	0.58
			eSg	36:49.10	-1.51
LANS	121.1	1	eSn	19:36:58.50	-0.28

18.

2014-01-21 time: 1:06:05.27 UTC ML= 2.7
 lat: 48.021N lon: 19.433E h= 4.1 km
 erh= 1.3km erz= 1.3km
 nr= 58 gap= 39 rms=0.84
 Locality: Iliny
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	28.0	204	ePg	1:06:10.60	0.29
			eSg	06:14.70	0.45
PSZ	36.3	108	iPgD	1:06:11.80	0.01
BUD	67.1	207	ePgC	1:06:17.20	-0.07
			eSg	06:25.50	-1.14
VYHS	68.8	320	ePg	1:06:17.80	0.22
			eSg	06:25.80	-1.38
SRO	86.8	255	ePg	1:06:21.20	0.41
			eSg	06:31.60	-1.29
KECS	93.6	57	ePg	1:06:21.20	-0.80
			eSg	06:34.20	-0.84
BSZH	101.7	142	ePgD	1:06:24.00	0.55
			eSg	06:37.90	0.27
PKSG	104.9	228	ePgD	1:06:24.20	0.18
			eSg	06:39.00	0.36
PKS7	110.1	191	ePgD	1:06:25.50	0.55
			eSg	06:39.50	-0.80
CSKK	114.4	230	ePgD	1:06:24.60	-1.11
			eSg	06:40.20	-1.46
LANS	125.7	1	ePn	1:06:27.70	0.24
			eSn	06:42.60	-2.16
PKSN	129.1	165	ePn	1:06:28.50	0.62
			eSn	06:45.20	-0.32
PKST	135.0	231	ePnD	1:06:28.10	-0.51
			eSn	06:46.20	-0.62
PKS6	158.3	176	eSn	1:06:52.90	0.91
SMOL	158.6	290	ePn	1:06:33.50	1.94
			eSn	06:53.10	1.03
MODS	165.0	284	ePn	1:06:34.60	2.24

Hypocenter Parameters

Földrengés paraméterek

		eSn	06:52.90	-0.59	
TIH	170.3	223	ePnC	1:06:33.80	0.78
PKS2	170.7	186	ePn	1:06:33.20	0.13
		eSn	06:54.70	-0.06	
MPLH	170.9	236	ePnD	1:06:34.30	1.20
		eSn	06:54.20	-0.61	
ZST	174.7	276	ePn	1:06:35.20	1.64
		eSn	06:55.00	-0.63	
PKS9	181.7	209	ePnC	1:06:34.10	-0.34
		eSn	06:57.20	0.00	
STHS	204.6	41	ePn	1:06:37.90	0.61
		eSn	07:06.70	4.42	
MORH	209.4	197	ePnD	1:06:37.30	-0.59
		eSn	06:58.20	-5.14	
PKSM	209.9	197	ePnD	1:06:37.30	-0.65
		eSn	06:59.50	-3.94	
SOP	218.4	260	ePnD	1:06:38.60	-0.41
		eSn	07:03.00	-2.34	
OKC	223.0	335	ePn	1:06:40.50	0.92
		eSn	07:04.70	-1.65	
TRPA	231.8	87	ePn	1:06:40.80	0.11
KOLS	233.2	64	ePn	1:06:41.00	0.13
MORC	239.5	325	iPnD	1:06:42.00	0.35
PKSV	253.5	201	ePnC	1:06:43.20	-0.19
		eSn	07:10.40	-2.73	
VRAC	253.5	304	iPn	1:06:43.30	-0.09
BEHE	264.9	229	ePn	1:06:45.10	0.28
		eSn	07:14.80	-0.87	
CONA	266.9	268	Pn	1:06:44.60	-0.46
		Sn	07:13.70	-2.39	
DRGR	282.7	119	iPn	1:06:46.90	-0.13
KRLC	299.7	320	ePn	1:06:49.40	0.25
		eSn	07:21.80	-1.57	
ARSA	306.1	254	Pn	1:06:48.90	-1.05
		Sn	07:22.80	-1.99	
BZS	314.9	148	iPn	1:06:50.80	-0.25
TREC	323.4	296	ePn	1:06:52.20	0.09
DPC	344.3	319	ePn	1:06:54.90	0.18
		eSn	07:31.40	-1.89	
CJR	346.6	115	iPnD	1:06:55.70	0.70
MOA	386.6	267	Pn	1:06:59.90	-0.08
		Sn	07:40.70	-1.96	
GZR	388.2	139	iPnD	1:07:00.30	0.12
MDVR	400.5	154	iPnD	1:07:02.80	1.08
PRU	419.5	301	ePn	1:07:03.60	-0.49
		eSn	07:46.60	-3.37	
PRA	430.8	302	ePn	1:07:05.40	-0.10
		eSn	07:50.50	-1.98	
BURB	435.5	96	iPn	1:07:07.10	1.01
KHC	449.4	286	ePn	1:07:07.80	-0.01
		eSn	07:54.40	-2.20	
DOPR	507.3	117	iPnD	1:07:15.90	0.86
VOIR	516.5	124	iPn	1:07:17.00	0.81

19.

2014-01-21 time: 18:32:19.12 UTC ML= 1.5
 lat: 47.951N lon: 20.158E h= 10.0 km
 erh= 2.9km erz= 2.5km
 nr= 11 gap= 90 rms=0.71
 Locality: Szajla
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	20.0	260	ePgD	18:32:23.30			0.19
			eSg	32:26.80			0.57
KECS	64.0	22	ePg	18:32:30.30			-0.38
			eSg	32:38.80			-0.91
PENC	67.9	255	ePgD	18:32:31.30			-0.08
			eSg	32:40.40			-0.54
BSZH	72.9	174	eSg	18:32:42.10			-0.40
VYHS	115.3	302	ePn	18:32:40.80			1.55
			eSn	32:53.70			-1.25
PKSN	119.2	191	eSn	18:32:55.50			-0.31
TRPA	178.7	84	eSn	18:33:11.40			2.38

20.

2014-01-22 time: 12:13:43.15 UTC ML= 2.9
 lat: 48.011N lon: 19.399E h= 2.5 km
 erh= 2.0km erz= 2.2km
 nr= 32 gap= 39 rms=0.71
 Locality: Iliny
 Comments: felt 4-5 EMS

sta	dist	azm	phase	hr	mn	sec	res
PENC	26.1	200	ePgC	12:13:48.00			0.17
			eSg	13:52.20			0.72
PSZ	38.4	106	ePgC	12:13:50.20			0.18
			eSg	13:55.10			-0.28
BUD	65.1	206	ePgD	12:13:54.50			-0.28
			eSg	14:03.10			-0.76
VYHS	68.0	322	ePg	12:13:55.40			0.09
			eSg	14:03.40			-1.40
SRO	84.1	255	ePg	12:13:58.40			0.22
			eSg	14:08.50			-1.40
KECS	96.2	57	ePg	12:13:58.90			-1.45
			eSg	14:12.00			-1.75
PKSG	102.4	228	ePgD	12:14:01.80			0.36
			eSg	14:16.60			0.90
BSZH	102.5	141	ePgD	12:14:01.70			0.23
			eSg	14:15.40			-0.35
PKS7	108.7	190	ePgD	12:14:03.20			0.63
			eSg	14:16.80			-0.91
CSKK	111.8	230	ePgD	12:14:02.20			-0.93
			eSg	14:18.20			-0.51
LANS	126.8	2	ePn	12:14:05.20			-0.47
			eSn	14:20.10			-3.14
PKST	132.4	231	ePnD	12:14:05.50			-0.87
			eSn	14:23.80			-0.68
SMOL	156.6	291	ePn	12:14:10.90			1.51
			eSn	14:30.50			0.64
PKS6	157.4	175	ePnD	12:14:11.30			1.81
			eSn	14:30.40			0.36
MODS	162.8	284	ePn	12:14:10.30			0.13
			eSn	14:30.30			-0.94
TIH	167.8	223	ePnD	12:14:11.40			0.61
			eSn	14:34.00			1.65
MPLH	168.3	236	ePnD	12:14:11.30			0.45
			eSn	14:35.30			2.85
PKS2	169.5	185	ePnC	12:14:13.80			2.80
			eSn	14:33.80			1.08
ZST	172.3	277	ePn	12:14:12.50			1.15
			eSn	14:32.90			-0.44
PKS9	179.6	208	ePnD	12:14:11.90			-0.36
			eSn	14:37.30			2.34
STHS	207.0	41	ePn	12:14:15.50			-0.17
MORH	207.7	196	ePnD	12:14:14.90			-0.86
			eSn	14:36.90			-4.29
PKSM	208.2	196	ePnC	12:14:14.80			-1.02
			eSn	14:36.90			-4.40
OKC	222.9	336	ePn	12:14:18.10			0.45
			eSn	14:42.10			-2.46
TRPA	234.4	87	iPn	12:14:19.60			0.51
KOLS	235.9	64	e n	12:14:20.90			1.62
MORC	238.9	325	iPn	12:14:19.80			0.14
PKSV	251.6	200	ePnD	12:14:20.60			-0.64
			eSn	14:48.30			-2.65
VRAC	252.1	305	iPn	12:14:21.00			-0.29
SIRR	258.8	139	iPnD	12:14:21.00			-1.14
			Pn	12:14:22.00			-0.82
CONA	264.3	268	Pn	12:14:22.00			-0.82
DRGR	284.4	118	iPn	12:14:26.50			1.17
KRLC	298.9	320	ePn	12:14:27.10			-0.03
			eSn	14:59.30			-2.13
BZS	315.4	148	iPn	12:14:27.80			-1.40
TREC	321.7	296	ePn	12:14:30.60			0.63
			eSn	15:04.00			-2.49
DPC	343.5	319	ePn	12:14:32.80			0.10
			eSn	15:08.80			-2.54
GZR	389.1	138	iPnD	12:14:38.30			-0.08
MDVR	400.7	154	iPn	12:14:39.00			-0.83

Földrengés paraméterek

Hypocenter Parameters

PRU 418.0 302 ePn 12:14:41.60 -0.38
 eSn 15:24.30 -3.56
 HERR 418.1 146 iPnD 12:14:42.50 0.50
 BURB 437.9 96 iPn 12:14:44.10 -0.37
 LOT 439.1 130 iPn 12:14:44.70 0.09
 KHC 447.3 286 ePn 12:14:45.60 -0.04
 eSn 15:32.00 -2.37
 VOIR 518.2 124 iPn 12:14:53.80 -0.67

sta dist azm phase hr mn sec res
 PKSG 4.8 24 ePgC 9:16:27.80 -0.08
 eSg 16:28.60 0.06
 CSKK 8.0 278 ePgD 9:16:28.20 -0.26
 eSg 16:29.80 0.23
 PKST 27.1 247 ePgC 9:16:32.20 0.33
 eSg 16:35.40 -0.25

21.

2014-01-22 time: 12:49:48.05 UTC ML= 1.6
 lat: 48.043N lon: 19.427E h= 8.4 km
 erh= 2.4km erz= 3.2km
 nr= 10 gap= 90 rms=0.55
 Locality: Iliny
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PENC	30.1	201	ePgD	12:49:53.30			-0.34
			eSg	49:57.70			-0.29
PSZ	37.5	112	ePgC	12:49:55.30			0.38
			eSg	50:00.20			-0.07
VYHS	66.6	319	ePg	12:50:00.60			0.56
			eSg	50:08.60			-0.80
KECS	92.6	58	ePg	12:50:04.70			0.05
			eSg	50:16.90			-0.69
BSZH	104.0	143	ePg	12:49:59.20			-7.47
LANS	123.2	1	eSn	12:50:25.30			-0.69
MODS	164.0	283	ePn	12:50:15.70			1.25

22.

2014-01-23 time: 13:09:13.28 UTC ML= 0.0
 lat: 47.368N lon: 18.240E h= 0.7 km
 erh=10.4km erz=15.4km
 nr= 6 gap=205 rms=0.20
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	1.7	110	ePgC	13:09:13.40			-0.20
			eSg	09:13.80			-0.06
PKSG	11.7	77	ePgD	13:09:15.50			0.12
			eSg	09:17.10			0.09
PKST	19.7	232	ePgD	13:09:16.70			-0.11
			eSg	09:20.20			0.65

23.

2014-01-23 time: 13:33:35.26 UTC ML= 0.3
 lat: 47.478N lon: 18.186E h= 0.0 km
 erh= 3.5km erz= 479km
 nr= 6 gap=277 rms=0.28
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	14.0	156	ePgD	13:33:37.30			-0.45
			eSg	33:39.60			-0.09
PKSG	18.2	122	ePgD	13:33:38.60			0.09
			eSg	33:41.60			0.56
PKST	26.9	205	ePgD	13:33:40.20			0.14
			eSg	33:43.80			0.00

24.

2014-01-24 time: 9:16:27.03 UTC ML= 0.9
 lat: 47.353N lon: 18.365E h= 0.0 km
 erh= 3.1km erz= 393km
 nr= 6 gap=224 rms=0.23
 Locality: Gánt
 Comments: probably explosion

25.

2014-01-24 time: 9:16:40.09 UTC ML= 1.0
 lat: 47.360N lon: 18.418E h= 0.0 km
 erh= 5.5km erz= 940km
 nr= 8 gap=235 rms=0.69
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	4.1	330	ePgC	9:16:41.30			0.48
			eSg	16:41.80			0.41
CSKK	11.9	272	ePgD	9:16:41.60			-0.62
			eSg	16:42.90			-0.97
PKST	31.1	249	ePgC	9:16:45.30			-0.35
			eSg	16:51.10			1.12
VYHS	129.9	14	ePg	9:17:04.30			1.01
			eSg	17:20.50			-0.88

26.

2014-01-24 time: 9:31:09.27 UTC ML= 0.8
 lat: 47.312N lon: 18.384E h= 0.0 km
 erh= 2.8km erz= 774km
 nr= 8 gap=168 rms=0.56
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.9	3	ePgC	9:31:10.80			-0.06
			eSg	31:11.50			-0.59
CSKK	10.9	301	ePgD	9:31:11.20			-0.03
			eSg	31:12.80			0.05
PKST	27.1	257	ePgC	9:31:13.90			-0.22
			eSg	31:18.20			0.30
PKSM	123.9	171	ePgC	9:31:32.50			1.10
			eSg	31:47.20			-1.45

27.

2014-01-24 time: 13:58:16.87 UTC ML= 0.3
 lat: 47.454N lon: 18.228E h= 0.0 km
 erh= 3.8km erz= 527km
 nr= 6 gap=265 rms=0.30
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.4	166	ePgD	13:58:18.40			-0.32
			eSg	58:20.60			0.43
PKSG	14.1	119	ePgD	13:58:19.70			0.32
			eSg	58:20.90			-0.44
PKST	26.2	214	ePg	13:58:21.60			0.06
			eSg	58:25.10			-0.08

28.

2014-01-27 time: 8:19:18.95 UTC ML= 1.1
 lat: 47.110N lon: 18.077E h= 5.7 km
 erh= 1.9km erz= 9.1km
 nr= 12 gap=130 rms=0.47
 Locality: Vilonya
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	16.9	349	ePgD	8:19:21.30			-0.83

Hypocenter Parameters

		eSg	19:24.70	0.09	
TIH	27.2	211	ePg	8:19:24.20	0.28
		eSg	19:28.10	0.30	
CSKK	31.4	26	ePg	8:19:24.90	0.26
		eSg	19:30.10	1.02	
MPLH	41.3	279	ePgD	8:19:26.50	0.10
		eSg	19:32.20	-0.01	
MORH	108.5	156	ePgD	8:19:38.80	0.46
		eSg	19:54.20	0.73	
PKSM	108.8	157	ePgD	8:19:38.30	-0.10
		eSg	19:52.80	-0.78	

29.

2014-01-30 time: 8:40:49.46 UTC ML= 1.1
 lat: 47.449N lon: 18.359E h= 0.0 km
 erh= 8.1km erz= 922km
 nr= 5 gap=290 rms=0.41
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.8	160	ePgC	8:40:50.90	0.23
			eSg	40:51.50	-0.11
CSKK	12.1	218	ePgD	8:40:51.30	-0.32
			eSg	40:52.90	-0.41
PKST	32.4	229	eSg	8:41:00.70	0.95

30.

2014-02-01 time: 2:38:30.96 UTC ML= 1.2
 lat: 47.622N lon: 16.710E h= 6.3 km
 erh= 3.6km erz= 3.6km
 nr= 16 gap=102 rms=1.15
 Locality: Nagycenk
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	13.3	301	ePgD	2:38:34.40	0.82
			iSg	38:36.60	0.97
ZST	70.3	25	ePg	2:38:42.80	-0.76
			eSg	38:52.20	-1.19
CONA	72.1	298	Pg	2:38:43.90	0.01
			Sg	38:52.70	-1.27
MPLH	80.3	129	eSg	2:38:56.10	-0.46
MODS	93.7	27	ePg	2:38:47.00	-0.73
			eSg	38:59.40	-1.41
ARSA	98.6	245	Pg	2:38:46.70	-1.90
PKSG	129.2	101	ePn	2:38:55.30	2.00
			eSn	39:09.50	-1.22
SOKA	164.9	230	Pn	2:38:57.00	-0.75
MOA	185.0	278	Pn	2:39:01.90	1.64
			Sn	39:24.10	0.99
VYHS	185.8	59	ePn	2:39:01.80	1.44

31.

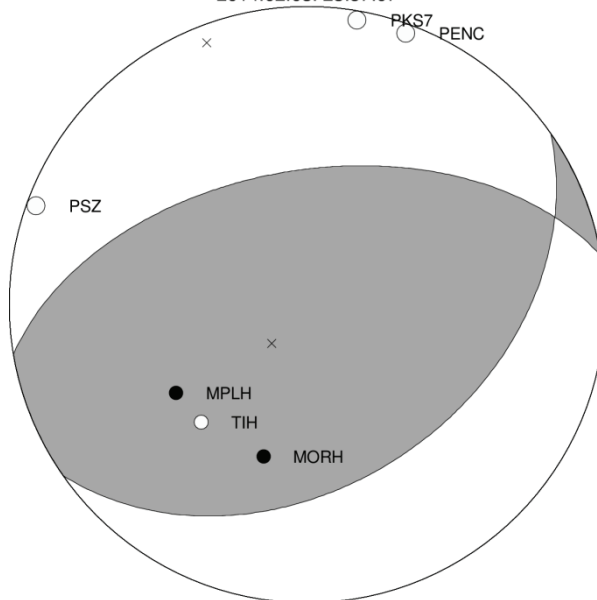
2014-02-03 time: 23:57:07.47 UTC ML= 2.0
 lat: 48.037N lon: 19.417E h= 0.1 km
 erh= 1.5km erz= 1.7km
 nr= 36 gap= 98 rms=0.77
 Locality: Iliny
 Comments: felt 4 EMS

sta	dist	azm	phase	hr mn sec	res
PENC	29.2	200	iPgD	23:57:12.60	-0.08
			eSg	57:17.00	0.26
PSZ	38.0	110	iPgD	23:57:14.50	0.24
			eSg	57:19.40	-0.16
VYHS	66.7	320	ePg	23:57:19.90	0.52
			eSg	57:27.80	-0.86
BUD	68.2	206	ePg	23:57:19.80	0.15
			eSg	57:28.60	-0.54
SRO	86.1	253	ePg	23:57:23.10	0.25

Földregés paraméterek

		eSg	57:34.20	-0.65	
KECS	93.6	58	ePg	23:57:23.50	-0.69
		eSg	57:35.80	-1.43	
BSZH	103.9	142	ePg	23:57:26.10	0.08
		eSg	57:40.50	0.01	
PKSG	105.2	227	ePg	23:57:26.40	0.14
PKS7	111.7	190	ePgD	23:57:27.60	0.19
		eSg	57:42.00	-0.97	
CSKK	114.6	229	ePg	23:57:28.00	0.06
		eSg	57:43.50	-0.41	
PKST	135.1	230	ePn	23:57:30.50	-0.84
		eSn	57:48.60	-1.36	
SMOL	156.8	290	ePn	23:57:35.00	0.95
		eSn	57:55.20	0.42	
PKS6	160.1	176	eSn	23:57:55.70	0.19
MODS	163.4	283	ePn	23:57:34.60	-0.27
		eSn	57:54.40	-1.83	
TIH	170.8	222	ePnD	23:57:35.30	-0.49
		eSn	57:59.50	1.63	
MPLH	170.9	236	ePnC	23:57:37.30	1.50
		eSn	58:00.20	2.30	
CRVS	179.2	58	ePn	23:57:38.20	1.36
		eSn	58:01.00	1.25	
PKS9	182.7	208	ePn	23:57:39.30	2.03
MORH	210.7	196	ePnC	23:57:39.50	-1.27
		eSn	58:03.20	-3.54	
PKSM	211.2	196	ePn	23:57:39.40	-1.43
		eSn	58:01.90	-4.95	

2014.02.03. 23:57:07



32.

2014-02-04 time: 0:41:36.48 UTC ML= 0.2
 lat: 47.380N lon: 18.240E h= 0.0 km
 erh= 7.4km erz= 509km
 nr= 6 gap=214 rms=0.20
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.4	140	ePg	0:41:36.70	-0.20
			eSg	41:37.00	-0.23
PKSG	11.5	83	ePgD	0:41:38.70	0.18
			eSg	41:40.30	0.18
PKST	20.5	229	ePgD	0:41:40.00	-0.14
			eSg	41:43.30	0.30

Földrengés paraméterek

Hypocenter Parameters

33.

2014-02-04 time: 1:56:43.10 UTC ML= 0.9
 lat: 46.417N lon: 18.533E h= 10.0 km
 erh= 0.7km erz= 3.7km
 nr= 11 gap=154 rms=0.18
 Locality: Zomba
 Comments:

sta	dist	azm	phase	hr mn sec	res
MORH	24.0	159	ePg	1:56:47.70	-0.03
			eSg	56:51.20	-0.15
PKSM	24.3	160	ePgC	1:56:47.80	0.01
			eSg	56:51.20	-0.25
PKS9	27.2	314	ePgC	1:56:48.40	0.14
			eSg	56:52.50	0.21
PKS2	52.9	81	ePg	1:56:52.80	0.09
			eSg	57:00.00	-0.21
TIH	72.7	318	eSg	1:57:06.10	-0.31
PKS6	81.7	76	eSg	1:57:09.60	0.33
PKS7	84.9	34	eSg	1:57:10.10	-0.18

34.

2014-02-04 time: 9:47:15.65 UTC ML= 0.5
 lat: 45.859N lon: 18.384E h= 0.0 km
 erh= 5.8km erz= 616km
 nr= 7 gap=261 rms=0.40
 Locality: Kisharsány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	10.7	288	ePgD	9:47:17.60	0.04
			eSg	47:18.70	-0.36
PKSM	44.0	27	ePgD	9:47:23.30	-0.20
			eSg	47:29.90	0.28
MORH	44.4	27	ePgC	9:47:23.60	0.02
			eSg	47:29.40	-0.37
PKS9	81.3	354	ePg	9:47:31.70	1.54
			eSg	47:45.70	4.22

35.

2014-02-04 time: 16:58:58.76 UTC ML= 0.0
 lat: 47.335N lon: 18.228E h= 0.1 km
 erh= 4.7km erz= 107km
 nr= 6 gap=177 rms=0.45
 Locality: Bodajk
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.0	38	ePgD	16:58:58.90	-0.57
			eSg	58:59.40	-0.63
PKSG	13.8	63	ePgC	16:59:01.50	0.27
			eSg	59:03.70	0.54
PKST	16.9	240	ePgD	16:59:01.80	0.03
			eSg	59:04.70	0.58

36.

2014-02-05 time: 7:42:31.66 UTC ML= 0.8
 lat: 47.424N lon: 18.302E h= 0.0 km
 erh= 6.6km erz= 755km
 nr= 5 gap=250 rms=0.35
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	7.5	205	ePgD	7:42:33.40	0.40
			eSg	42:34.20	0.16
PKSG	7.6	118	ePgD	7:42:33.10	0.09
			eSg	42:33.70	-0.37
PKST	27.3	228	ePg	7:42:36.00	-0.54

37.

2014-02-05 time: 8:57:49.94 UTC ML= 1.0
 lat: 47.420N lon: 18.327E h= 0.0 km
 erh= 1.3km erz= 3.8km
 nr= 9 gap=147 rms=0.55
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.7	124	ePgC	8:57:51.10	0.14
			eSg	57:51.80	0.04
CSKK	8.1	218	ePgD	8:57:51.40	0.01
			eSg	57:52.40	-0.12
PKST	28.5	231	ePgC	8:57:55.00	-0.03
			eSg	57:59.90	0.90
VYHS	125.3	18	ePg	8:58:12.70	0.39
			eSg	58:29.60	-0.16
PKSM	136.5	170	ePn	8:58:12.20	-1.79
			eSn	58:28.10	-4.65

38.

2014-02-05 time: 12:28:46.56 UTC ML= 1.5
 lat: 48.037N lon: 19.432E h= 0.6 km
 erh= 0.6km erz=55.9km
 nr= 6 gap=152 rms=0.14
 Locality: Iliny
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	29.6	202	ePgD	12:28:51.80	-0.05
			eSg	28:55.80	-0.17
PSZ	36.9	111	ePgD	12:28:53.30	0.14
			eSg	28:58.00	-0.30
VYHS	67.4	319	ePg	12:28:58.70	0.10
			eSg	29:07.80	-0.19

39.

2014-02-10 time: 9:28:49.96 UTC ML= 0.8
 lat: 47.442N lon: 18.258E h= 0.0 km
 erh= 2.6km erz= 2.2km
 nr= 7 gap=260 rms=1.42
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	8.8	179	ePgD	9:28:52.60	1.07
			eSg	28:54.00	1.25
PKSG	11.4	119	ePgC	9:28:52.30	0.29
			eSg	28:53.00	-0.60
PKST	26.5	220	ePgC	9:28:55.60	0.91
PKSM	139.9	168	ePnC	9:29:12.20	-2.24
			eSn	29:29.90	-3.62

40.

2014-02-10 time: 9:35:46.65 UTC ML= 1.1
 lat: 47.334N lon: 18.450E h= 0.0 km
 erh= 4.7km erz= ***km
 nr= 8 gap=208 rms=0.73
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.8	325	ePgC	9:35:48.50	0.45
			eSg	35:49.20	0.06
CSKK	14.7	283	ePgD	9:35:48.80	-0.48
			eSg	35:49.90	-1.42
PKST	32.6	255	ePg	9:35:52.20	-0.26
			eSg	35:58.30	1.30
PKSM	125.6	173	ePgC	9:36:09.80	0.72
			eSg	36:25.60	-0.98

Hypocenter Parameters

Földrengés paraméterek

41.

2014-02-11 time: 9:15:27.04 UTC ML= 2.6
 lat: 47.048N lon: 19.704E h= 10.0 km
 erh= 1.6km erz= 1.4km
 nr= 42 gap= 49 rms=0.86
 Locality: Nagykőrös
 Comments: felt 4 EMS

sta	dist	azm	phase	hr mn sec	res
PKSN	20.9	143	ePgC	9:15:30.80	-0.38
			eSg	15:34.40	0.00
PKS7	41.2	270	ePgD	9:15:34.70	0.08
			eSg	15:40.60	0.07
PKS6	50.9	192	ePg	9:15:36.10	-0.21
			eSg	15:43.40	-0.14
BSZH	51.1	57	ePgD	9:15:36.60	0.27
			eSg	15:45.40	-1.82
BUD	70.7	313	ePgD	9:15:39.50	-0.28
			eSg	15:50.00	0.28
PKS2	72.3	211	ePgD	9:15:39.60	-0.47
			eSg	15:50.40	0.17
PENC	88.5	339	ePg	9:15:43.30	0.36
			eSg	15:54.80	-0.54
PSZ	97.8	8	ePgD	9:15:43.60	-1.00
			eSg	15:56.30	-1.99
PKSG	106.5	291	eP*	9:15:46.60	0.54
			eS*	16:00.50	-0.39
CSKK	114.8	288	ePnD	9:15:46.90	-0.21
			eSn	16:00.50	-2.27
PKS9	120.2	245	ePn	9:15:48.30	0.52
			eSn	16:03.80	-0.16
MORH	123.0	221	ePnD	9:15:47.80	-0.34
			eSn	16:03.30	-1.29
PKSM	123.5	221	ePnD	9:15:47.60	-0.60
			eSn	16:04.10	-0.60
PKST	128.8	280	ePnD	9:15:49.30	0.45
			eSn	16:05.10	-0.76
TIH	138.8	263	ePnD	9:15:51.40	1.30
			eSn	16:08.80	0.72
MPLH	164.8	275	ePnC	9:15:55.40	2.05
			eSn	16:18.30	4.43
KECS	170.0	20	ePn	9:15:55.20	1.21
			eSn	16:17.70	2.69
PKSV	170.4	221	ePnD	9:15:55.70	1.66
			eSn	16:16.50	1.39
VYHS	173.4	338	ePn	9:15:54.50	0.08
			eSn	16:15.80	0.03
BZS	216.8	137	iPn	9:15:59.20	-0.63
DRGR	230.9	97	iPnD	9:16:00.70	-0.88
BEHE	232.7	254	ePn	9:16:07.10	5.28
			eSn	16:37.90	8.96
MODS	234.3	309	ePn	9:16:01.10	-0.90
			eSn	16:26.70	-2.58
GZR	300.1	128	iPn	9:16:09.80	-0.41
LOT	360.5	120	iPn	9:16:18.90	1.16

42.

2014-02-13 time: 10:10:54.11 UTC ML= 0.3
 lat: 47.367N lon: 17.942E h= 10.0 km
 erh= 9.9km erz=13.4km
 nr= 6 gap=295 rms=0.35
 Locality: Bakonyoszlop
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	13.9	150	ePgC	10:10:57.20	0.03
			eSg	10:59.80	0.24
CSKK	24.0	91	ePgC	10:10:58.30	-0.46
			eSg	11:01.90	-0.49
PKSG	34.0	85	ePgD	10:11:00.80	0.36
			eSg	11:05.70	0.33

43.

2014-02-15 time: 22:52:00.76 UTC ML= 1.5
 lat: 47.931N lon: 16.257E h= 3.2 km
 erh= 2.1km erz= 2.2km
 nr= 29 gap= 82 rms=0.98
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
CONA	29.6	270	Pg	22:52:06.30	0.23
			Sg	52:11.10	0.89
SOP	35.6	141	ePgC	22:52:07.60	0.47
			eSg	52:12.20	0.09
ZST	69.6	65	ePg	22:52:13.00	-0.19
			eSg	52:21.70	-1.20
MODS	90.5	57	ePg	22:52:16.20	-0.72
			eSg	52:28.50	-1.04
ARSA	93.6	216	Pg	22:52:17.10	-0.39
			Sg	52:28.80	-1.73
SMOL	108.5	53	ePg	22:52:20.90	0.75
			eSg	52:34.60	-0.67
MPLH	128.3	131	ePn	22:52:17.10	-6.27
			eSn	52:41.70	0.68
MOA	149.2	267	Pn	22:52:25.50	-0.48
			Sn	52:44.40	-1.25
PKST	153.1	119	ePn	22:52:28.30	1.84
			eSn	52:48.00	1.48
PKSG	171.1	110	ePn	22:52:29.90	1.19
			eSn	52:48.60	-1.91
VYHS	201.6	72	ePn	22:52:31.70	-0.82
			KHC	238.7	304
KBA	239.0	247	eSn	53:04.70	-0.81
			Pn	22:52:39.30	2.12
PRU	261.1	331	Sn	53:05.90	0.31
			ePn	22:52:41.30	1.37
MORH	263.1	136	eSn	53:09.90	-0.58
			ePn	22:52:40.60	0.42
PKSM	263.3	137	ePn	22:52:39.70	-0.50
			eSn	53:08.10	-2.87

44.

2014-02-16 time: 22:01:21.78 UTC ML= 0.0
 lat: 47.437N lon: 18.179E h= 3.5 km
 erh= 8.7km erz=23.6km
 nr= 6 gap=258 rms=0.21
 Locality: Felsődobos
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	10.2	143	ePgC	22:01:23.50	-0.21
			eSg	01:25.10	-0.11
PKSG	16.7	107	ePgC	22:01:25.00	0.17
			eSg	01:27.30	0.09
PKST	22.6	209	ePg	22:01:25.70	-0.17
			eSg	01:29.50	0.45

45.

2014-02-16 time: 22:02:55.10 UTC ML=-0.4
 lat: 47.373N lon: 18.236E h= 7.7 km
 erh= 8.3km erz= 1.8km
 nr= 5 gap=209 rms=0.27
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	2.1	119	ePgD	22:02:56.10	-0.42
			eSg	02:57.70	0.07
PKSG	11.9	80	ePgD	22:02:57.70	0.08
			eSg	02:59.90	0.30
PKST	19.8	230	eSg	22:03:02.10	0.26

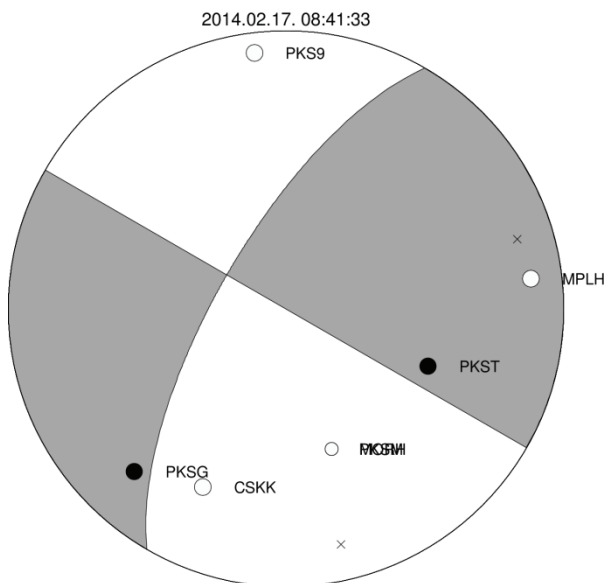
Földrengés paraméterek

Hypocenter Parameters

46.

2014-02-17 time: 8:41:33.49 UTC ML= 0.9
 lat: 47.224N lon: 18.163E h= 10.0 km
 erh= 4.1km erz= 3.7km
 nr= 13 gap=119 rms=0.81
 Locality: Bakonykúti
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	10.5	292	ePgC	8:41:35.90			-0.18
			eSg		41:38.50		0.40
CSKK	17.2	25	ePgD	8:41:36.50			-0.54
			eSg		41:38.50		-1.31
PKSG	25.4	43	ePgC	8:41:38.70			0.33
			eSg		41:43.30		1.12
MPLH	47.6	263	ePgD	8:41:43.20			1.02
PKS9	71.3	173	ePgD	8:41:48.40			2.05
			eSg		41:59.80		3.42
MORH	117.9	162	ePnD	8:41:53.70			-0.25
			eSn		42:08.80		-1.11
PKSM	118.3	162	ePnD	8:41:53.80			-0.19
			eSn		42:08.10		-1.88



47.

2014-02-19 time: 7:20:26.68 UTC ML= 0.8
 lat: 46.001N lon: 18.142E h= 0.0 km
 erh= 2.0km erz= 229km
 nr= 6 gap=273 rms=0.14
 Locality: Gyód
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	15.2	146	ePg	7:20:29.20			-0.18
			eSg		20:31.60		0.10
PKSM	45.2	59	ePgD	7:20:34.90			0.15
			eSg		20:40.90		-0.14
MORH	45.6	58	ePgC	7:20:34.90			0.08
			eSg		20:41.00		-0.17

48.

2014-02-19 time: 10:13:35.52 UTC ML= 0.8
 lat: 47.254N lon: 18.144E h= 10.0 km
 erh= 2.5km erz= 2.0km
 nr= 11 gap=122 rms=0.76
 Locality: Isztimér
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	8.3	274	ePgD	10:13:37.70			-0.14
			eSg		13:40.00		0.34
CSKK	15.0	36	ePgD	10:13:38.20			-0.54
			eSg		13:41.30		0.04
PKSG	24.2	50	ePgD	10:13:40.60			0.41
			eSg		13:44.00		0.17
PKS9	74.8	172	ePgD	10:13:50.10			1.10
			eSg		14:01.80		2.29
MORH	121.5	162	ePn	10:13:56.10			-0.33
PKSM	121.9	162	ePnD	10:13:55.50			-0.97
			eSn		14:10.40		-2.41

49.

2014-02-19 time: 15:54:24.96 UTC ML= 2.5
 lat: 48.007N lon: 19.233E h= 5.6 km
 erh= 1.4km erz= 1.4km
 nr= 49 gap= 51 rms=0.82
 Locality: Érsekvadkert
 Comments: felt 4-5 EMS

sta	dist	azm	phase	hr	mn	sec	res
PENC	24.4	171	ePg	15:54:29.30			-0.12
			eSg		54:32.30		-0.61
PSZ	50.4	101	ePgC	15:54:34.00			-0.01
			eSg		54:40.40		-0.67
BUD	60.3	195	ePgD	15:54:35.60			-0.17
			eSg		54:43.30		-0.90
VYHS	61.6	331	ePg	15:54:36.70			0.69
			eSg		54:44.20		-0.43
SRO	72.1	253	ePg	15:54:38.10			0.24
			eSg		54:47.80		-0.13
PKSG	93.2	223	ePgC	15:54:42.10			0.48
CSKK	102.3	226	ePgD	15:54:43.00			-0.25
			eSg		54:57.20		-0.31
PKS7	106.9	183	ePgD	15:54:44.30			0.23
			eSg		54:57.60		-1.37
KECS	107.0	60	ePg	15:54:43.10			-1.00
			eSg		54:56.90		-2.13
BSZH	110.6	135	ePg	15:54:46.80			2.07
			eSg		55:00.00		-0.15
PKST	122.6	227	ePnD	15:54:45.90			-0.67
			eSn		55:03.30		-0.12
LANS	128.3	8	ePn	15:54:48.00			0.72
			eSn		55:03.10		-1.59
PKSN	132.4	159	ePn	15:54:49.80			2.02
			eSn		55:05.00		-0.59
SMOL	145.3	293	ePn	15:54:49.50			0.10
			eSn		55:08.00		-0.46
MODS	151.0	286	ePn	15:54:49.30			-0.81
			eSn		55:10.50		0.78
PKS6	158.5	171	ePn	15:54:51.70			0.66
			eSn		55:11.30		-0.08
TIH	159.3	219	ePn	15:54:52.40			1.26
			eSn		55:12.40		0.84
ZST	160.1	278	ePn	15:54:51.90			0.66
			eSn		55:10.20		-1.53
PKS9	173.6	205	ePn	15:54:53.50			0.57
			eSn		55:16.10		1.36
CRVS	192.5	59	ePn	15:54:56.10			0.81
			eSn		55:21.40		2.46
MORH	204.1	193	ePnD	15:54:56.00			-0.73
			eSn		55:19.20		-2.31
PKSM	204.6	193	ePnC	15:54:56.20			-0.59
			eSn		55:20.50		-1.12
OKC	218.5	339	eSn	15:55:24.00			-0.71
PKSV	247.1	198	ePn	15:55:02.00			-0.09
			eSn		55:37.60		6.55
KOLS	247.3	65	ePn	15:55:02.90			0.79
CONA	251.9	268	Pn	15:55:03.10			0.41
			Sn		55:30.80		-1.32
ARSA	291.3	253	Sn	15:55:39.50			-1.35
KHC	435.7	287	ePn	15:55:25.70			0.10

Hypocenter Parameters

Földrengés paraméterek

eSn 56:11.10 -1.80
50.

2014-02-20 time: 7:12:06.83 UTC ML= 0.6
lat: 47.261N lon: 18.363E h= 10.0 km
erh= 4.8km erz= 5.3km
nr= 8 gap=120 rms=0.46
Locality: Sárkeresztos
Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	13.7	326	ePg	7:12:09.50	-0.36
			eSg	12:10.70	-1.52
PKSG	14.7	8	ePgD	7:12:10.30	0.30
			eSg	12:12.90	0.43
PKST	24.9	269	ePg	7:12:11.70	0.09
			eSg	12:15.80	0.46
TIH	53.7	222	eSg	7:12:24.40	0.21
PKS6	117.4	129	eSn	7:12:42.60	-0.53

51.

2014-02-23 time: 20:34:52.57 UTC ML= 0.8
lat: 47.452N lon: 18.362E h= 13.0 km
erh= 1.9km erz= 1.0km
nr= 14 gap=145 rms=0.42
Locality: Oroszlány
Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	7.1	162	ePgD	20:34:55.60	0.38
			eSg	34:57.30	0.02
CSKK	12.5	218	ePgD	20:34:55.40	-0.40
			eSg	34:57.60	-0.72
PKST	32.8	229	ePgC	20:34:58.80	-0.07
			eSg	35:03.60	-0.19
SRO	40.3	355	eSg	20:35:05.80	-0.23
MPLH	69.7	243	ePg	20:35:05.80	0.57
			eSg	35:15.30	0.20
VYHS	121.1	17	Pn	20:35:13.00	-0.03
MORH	139.1	171	ePnD	20:35:15.60	0.32
			eSn	35:31.90	-1.10
PKSM	139.5	171	ePn	20:35:15.70	0.37
			eSn	35:31.90	-1.19

52.

2014-02-24 time: 9:29:42.05 UTC ML= 0.9
lat: 47.495N lon: 18.357E h= 0.0 km
erh= 3.5km erz= 439km
nr= 6 gap=305 rms=0.27
Locality: Vértessomló
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	11.7	167	ePg	9:29:44.50	0.36
			eSg	29:45.20	-0.57
CSKK	16.3	206	ePg	9:29:44.90	-0.07
			eSg	29:47.30	0.06
PKST	35.8	223	ePg	9:29:48.30	-0.14
			eSg	29:53.60	0.18

53.

2014-02-24 time: 9:30:17.46 UTC ML= 0.8
lat: 47.443N lon: 18.336E h= 0.0 km
erh= 3.7km erz= 446km
nr= 6 gap=276 rms=0.27
Locality: Oroszlány
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.1	144	ePgC	9:30:19.00	0.28

			eSg	30:19.70	-0.01
CSKK	10.6	213	ePgD	9:30:19.30	-0.05
			eSg	30:20.40	-0.42
PKST	30.6	228	ePgC	9:30:22.70	-0.23
			eSg	30:27.70	0.50

54.

2014-02-24 time: 9:37:37.60 UTC ML= 0.8
lat: 47.347N lon: 18.370E h= 4.8 km
erh= 4.9km erz= 4.6km
nr= 9 gap=153 rms=0.21
Locality: Zámoly
Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	5.3	17	ePg	9:37:39.00	0.13
			eSg	37:39.60	-0.26
CSKK	8.5	283	ePgD	9:37:39.30	-0.04
			eSg	37:40.40	-0.29
PKST	27.2	249	ePgC	9:37:42.90	0.37
			eSg	37:46.50	0.13
MORH	127.4	171	eSn	9:38:17.10	-0.22
PKSM	127.8	171	ePn	9:38:00.10	0.13
			eSn	38:17.30	-0.11

55.

2014-02-25 time: 12:37:50.13 UTC ML= 0.3
lat: 47.436N lon: 18.049E h= 0.0 km
erh= 1.8km erz= 222km
nr= 6 gap=278 rms=0.13
Locality: Aka
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.9	117	ePgD	12:37:53.40	0.07
			eSg	37:55.80	-0.03
PKST	19.7	183	ePgD	12:37:53.50	-0.15
			eSg	37:56.50	0.10
PKSG	26.3	101	ePg	12:37:55.00	0.18
			eSg	37:58.30	-0.18

56.

2014-02-27 time: 17:41:17.71 UTC ML= 2.2
lat: 46.005N lon: 17.188E h= 30.8 km
erh= 2.3km erz= 4.7km
nr= 33 gap= 81 rms=0.77
Locality: Croatia
Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	60.7	328	ePn	17:41:28.90	0.09
			eSn	41:37.70	0.23
PKSV	83.6	99	ePnD	17:41:31.70	0.03
			eSn	41:42.10	-0.45
KOGS	87.5	304	iPn	17:41:31.90	-0.25
			iSn	41:43.40	-0.02
ZAG	94.7	258	Sn	17:41:45.40	0.39
PTJ	96.1	263	Pn	17:41:32.80	-0.42
			Sn	41:44.50	-0.82
PKS9	106.1	52	ePnD	17:41:34.50	0.03
			eSn	41:47.00	-0.54
TIH	113.3	29	Pn	17:41:35.00	-0.37
PKSM	114.7	78	ePnD	17:41:35.10	-0.45
			eSn	41:48.90	-0.56
MORH	115.0	78	ePnD	17:41:35.20	-0.39
			eSn	41:49.60	0.07
MPLH	132.3	12	ePnD	17:41:38.60	0.86
			eSn	41:53.50	0.14
CRES	135.8	262	ePn	17:41:39.70	1.53
BLY	139.6	180	Pn	17:41:40.10	1.44
PKST	153.7	25	ePnD	17:41:40.20	-0.21

Földrengés paraméterek

Hypocenter Parameters

eSn 41:57.10 -1.02
 CSKK 171.8 29 ePnD 17:41:44.90 2.23
 eSn 42:06.50 4.36
 PKSG 179.5 31 ePn 17:41:45.10 1.47
 eSn 42:03.70 -0.14
 SOKA 182.0 294 Pn 17:41:43.80 -0.14
 Sn 42:04.90 0.51
 ARSA 188.2 317 Pn 17:41:43.40 -1.31
 Sn 42:04.10 -1.67
 OBKA 211.0 285 Pn 17:41:48.10 0.54
 Sn 42:11.40 0.56
 CONA 236.4 335 Pn 17:41:53.30 2.58
 Sn 42:15.10 -1.37
 MOA 302.6 313 Pn 17:42:00.00 1.03
 Sn 42:30.90 -0.26

57.

2014-02-28 time: 11:46:14.67 UTC ML= 1.8
 lat: 48.646N lon: 20.741E h= 0.0 km
 erh= 3.1km erz= 3.2km
 nr= 11 gap=144 rms=0.61
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	26.1	226	ePg	11:46:19.50	0.17
			eSg	46:23.50	0.53
CRVS	60.1	62	ePg	11:46:26.40	1.00
			eSg	46:32.90	-0.88
STHS	93.3	23	eSg	11:46:44.00	-0.32
PSZ	102.4	218	ePgc	11:46:33.00	0.04
			eSg	46:46.80	-0.42
KOLS	117.0	74	eSg	11:46:51.80	-0.06
VYHS	141.6	263	ePn	11:46:40.10	0.74
			eSn	46:56.70	-1.91
PENC	144.2	229	eSn	11:46:58.20	-1.00

58.

2014-03-01 time: 23:19:37.46 UTC ML= 0.0
 lat: 47.352N lon: 18.147E h= 0.4 km
 erh= 8.4km erz=67.6km
 nr= 6 gap=217 rms=0.28
 Locality: Nagyveleg
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.7	82	ePgD	23:19:38.70	-0.31
			eSg	19:39.80	-0.42
PKST	13.4	220	ePgD	23:19:39.80	-0.05
			eSg	19:42.00	0.29
PKSG	18.9	76	ePgD	23:19:41.20	0.36
			eSg	19:43.60	0.12

59.

2014-03-03 time: 9:58:12.07 UTC ML= 1.2
 lat: 47.872N lon: 19.413E h= 0.0 km
 erh= 1.2km erz= 338km
 nr= 6 gap=145 rms=0.20
 Locality: Bercel
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	13.4	227	ePgc	9:58:14.30	-0.16
			eSg	58:16.60	0.27
PSZ	36.3	82	ePgD	9:58:18.40	-0.16
			eSg	58:24.00	0.38
VYHS	81.4	328	ePg	9:58:26.60	0.00
			eSg	58:38.00	0.06

60.

2014-03-03 time: 13:29:00.03 UTC ML= 0.9
 lat: 47.958N lon: 20.054E h= 0.0 km
 erh= 4.4km erz= 744km
 nr= 6 gap=221 rms=0.45
 Locality: Mátraderecske
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	12.8	250	ePg	13:29:02.00	-0.31
			eSg	29:05.50	1.42
KECS	66.6	29	ePg	13:29:12.20	0.28
			eSg	29:21.20	0.01
VYHS	108.3	303	ePg	13:29:19.50	0.12
			eSg	29:33.80	-0.67

61.

2014-03-04 time: 6:55:46.10 UTC ML= 0.7
 lat: 47.386N lon: 18.338E h= 0.0 km
 erh= 5.9km erz= 231km
 nr= 6 gap=195 rms=0.15
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.0	81	ePgc	6:55:46.80	-0.01
			eSg	55:47.30	-0.07
CSKK	6.4	246	ePgD	6:55:47.20	-0.04
			eSg	55:48.30	0.17
PKST	27.0	238	ePg	6:55:51.10	0.19
			eSg	55:54.30	-0.37

62.

2014-03-04 time: 6:56:20.87 UTC ML= 1.0
 lat: 47.476N lon: 18.391E h= 0.0 km
 erh= 8.9km erz= ***km
 nr= 6 gap=312 rms=0.62
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.4	180	ePgc	6:56:23.00	0.45
			eSg	56:23.60	-0.26
CSKK	15.9	218	ePgD	6:56:23.30	-0.42
			eSg	56:24.80	-1.14
PKST	36.2	228	ePgc	6:56:27.40	0.07
			eSg	56:33.70	1.33

63.

2014-03-04 time: 6:56:41.80 UTC ML= 0.8
 lat: 47.359N lon: 18.406E h= 0.0 km
 erh= 6.2km erz= 785km
 nr= 6 gap=266 rms=0.47
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	3.9	343	ePgc	6:56:42.80	0.30
			eSg	56:43.40	0.36
CSKK	11.0	273	ePgD	6:56:43.20	-0.57
			eSg	56:44.70	-0.60
PKST	30.2	249	ePg	6:56:47.20	0.00
			eSg	56:52.20	0.79

Hypocenter Parameters

Földrengés paraméterek

64.

2014-03-04 time: 12:54:43.46 UTC ML= 0.3
 lat: 47.421N lon: 18.057E h= 0.0 km
 erh= 1.3km erz= 157km
 nr= 6 gap=272 rms=0.12
 Locality: Aka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.7	113	ePg	12:54:46.30	-0.14
			eSg	54:48.60	-0.16
PKST	18.0	185	ePgD	12:54:46.80	0.12
			eSg	54:49.10	-0.10
PKSG	25.4	97	ePg	12:54:48.10	0.10
			eSg	54:51.60	0.06

65.

2014-03-05 time: 12:18:42.50 UTC ML= 0.4
 lat: 47.201N lon: 18.268E h= 0.0 km
 erh= 3.4km erz= 441km
 nr= 6 gap=266 rms=0.26
 Locality: Csőr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.0	358	ePgD	12:18:45.30	-0.42
			eSg	18:48.10	-0.14
PKST	18.8	290	ePgC	12:18:46.00	0.14
			eSg	18:48.40	-0.08
PKSG	23.2	24	ePgC	12:18:46.80	0.16
			eSg	18:50.30	0.43

66.

2014-03-06 time: 7:30:32.10 UTC ML= 0.7
 lat: 47.319N lon: 18.234E h= 0.9 km
 erh= 3.4km erz=15.9km
 nr= 6 gap=191 rms=0.44
 Locality: Bodajk
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	5.3	22	ePgD	7:30:32.60	-0.46
			eSg	30:33.30	-0.52
PKSG	14.4	55	ePgD	7:30:35.10	0.43
			eSg	30:37.50	0.83
PKST	16.5	246	ePgD	7:30:34.90	-0.15
			eSg	30:37.50	0.15

67.

2014-03-06 time: 14:49:18.87 UTC ML= 1.4
 lat: 47.997N lon: 20.126E h= 0.9 km
 erh= 6.1km erz= 5.8km
 nr= 9 gap=217 rms=0.73
 Locality: Kisfüzes
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	19.3	243	ePgD	14:49:22.50	0.18
			eSg	49:25.90	0.88
KECS	60.4	26	ePg	14:49:29.30	-0.35
			eSg	49:37.40	-0.65
PENC	67.1	250	ePgD	14:49:30.40	-0.46
			eSg	49:39.60	-0.61
VYHS	110.6	300	ePg	14:49:40.10	1.48
			eSg	49:52.40	-1.62
LANS	137.2	339	eSn	14:50:01.80	0.16

68.

2014-03-08 time: 22:44:40.62 UTC ML=-0.2
 lat: 47.370N lon: 18.194E h= 2.5 km
 erh= 7.7km erz= 7.6km
 nr= 6 gap=216 rms=0.20
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	5.1	99	ePgD	22:44:41.40	-0.23
			eSg	44:42.40	-0.01
PKSG	15.0	81	ePg	22:44:43.50	0.16
			eSg	44:45.60	0.14
PKST	17.3	224	ePgC	22:44:43.60	-0.13
			eSg	44:46.60	0.43

69.

2014-03-09 time: 1:30:04.76 UTC ML=-0.5
 lat: 47.352N lon: 18.223E h= 5.6 km
 erh= 9.5km erz= 1.9km
 nr= 6 gap=193 rms=0.29
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.1	67	ePgD	1:30:05.60	-0.31
			eSg	30:06.70	-0.10
PKSG	13.4	71	ePgD	1:30:07.60	0.24
			eSg	30:09.70	0.32
PKST	17.6	234	ePgC	1:30:07.80	-0.27
			eSg	30:11.10	0.45

70.

2014-03-09 time: 2:36:13.76 UTC ML=-0.6
 lat: 47.382N lon: 18.203E h= 0.7 km
 erh= 1.5km erz= 7.2km
 nr= 5 gap=223 rms=0.09
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.8	116	ePg	2:36:14.50	-0.13
			eSg	36:15.30	-0.01
PKSG	14.2	86	ePg	2:36:16.30	0.00
			eSg	36:18.40	0.12
PKST	18.7	223	eSg	2:36:19.80	0.08

71.

2014-03-09 time: 2:36:59.01 UTC ML=-0.1
 lat: 47.326N lon: 18.230E h= 3.1 km
 erh= 8.9km erz= 9.5km
 nr= 6 gap=184 rms=0.33
 Locality: Bodajk
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.7	29	ePgD	2:36:59.60	-0.42
			eSg	37:00.80	0.00
PKSG	14.2	59	ePgD	2:37:01.70	0.10
			eSg	37:03.90	0.28
PKST	16.6	243	ePgC	2:37:01.90	-0.12
			eSg	37:05.20	0.83

Földrengés paraméterek

Hypocenter Parameters

72.

2014-03-10 time: 8:34:18.53 UTC ML= 0.9
 lat: 47.433N lon: 18.354E h= 0.0 km
 erh= 4.9km erz= 587km
 nr= 6 gap=278 rms=0.34
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	5.3	149	ePgC	8:34:19.70		0.22	
			eSg		34:20.20	-0.03	
CSKK	10.5	222	ePgD	8:34:20.10		-0.30	
			eSg		34:21.40	-0.46	
PKST	30.9	231	ePg	8:34:24.10		0.04	
			eSg		34:29.20	0.83	

73.

2014-03-12 time: 7:07:29.55 UTC ML= 0.5
 lat: 47.424N lon: 18.206E h= 0.0 km
 erh= 2.4km erz= 363km
 nr= 6 gap=249 rms=0.22
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	8.0	149	ePg	7:07:31.00		0.03	
			eSg		07:32.00	-0.08	
PKSG	14.4	105	ePgD	7:07:32.30		0.18	
			eSg		07:34.20	0.07	
PKST	22.5	215	ePgD	7:07:33.20		-0.37	
			eSg		07:37.00	0.29	

74.

2014-03-12 time: 7:53:14.16 UTC ML= 0.7
 lat: 47.466N lon: 18.378E h= 0.0 km
 erh= 8.4km erz= ***km
 nr= 6 gap=305 rms=0.60
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.3	173	ePgC	7:53:16.10		0.46	
			eSg		53:16.60	-0.20	
CSKK	14.5	218	ePgD	7:53:16.50		-0.24	
			eSg		53:17.80	-0.96	
PKST	34.7	228	ePg	7:53:20.10		-0.25	
			eSg		53:26.60	1.42	

75.

2014-03-12 time: 7:53:40.73 UTC ML= 0.6
 lat: 47.355N lon: 18.412E h= 0.0 km
 erh= 6.5km erz= 839km
 nr= 6 gap=271 rms=0.50
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	4.4	339	ePgC	7:53:41.90		0.38	
			eSg		53:42.40	0.26	
CSKK	11.5	275	ePgD	7:53:42.30		-0.48	
			eSg		53:43.70	-0.67	
PKST	30.5	250	ePg	7:53:46.00		-0.17	
			eSg		53:51.40	0.99	

76.

2014-03-12 time: 7:54:50.47 UTC ML= 0.7
 lat: 47.341N lon: 18.390E h= 0.0 km
 erh= 2.0km erz= 265km
 nr= 6 gap=251 rms=0.15
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	5.7	1	ePgC	7:54:51.60		0.12	
			eSg		54:52.20	-0.07	
CSKK	10.1	284	ePgD	7:54:52.00		-0.27	
			eSg		54:53.80	0.13	
PKST	28.4	251	ePg	7:54:55.60		0.06	
			eSg		54:59.60	0.10	

77.

2014-03-13 time: 3:44:35.83 UTC ML= 2.2
 lat: 48.308N lon: 21.547E h= 4.6 km
 erh= 1.4km erz= 1.7km
 nr= 23 gap= 67 rms=0.55
 Locality: Sáropatak
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CRVS	66.3	355	ePg	3:44:48.00		0.29	
			eSg		44:56.30	-0.67	
TRPA	76.3	105	ePgD	3:44:49.60		0.11	
			eSg		44:58.90	-1.24	
KECS	81.0	284	ePg	3:44:50.30		-0.02	
			eSg		45:00.00	-1.62	
KOLS	87.7	38	ePg	3:44:51.70		0.18	
			eSg		45:03.00	-0.75	
LTVH	106.0	166	ePgC	3:44:55.40		0.61	
			eSg		45:09.40	-0.17	
STHS	125.2	350	ePn	3:44:58.30		0.41	
			eSn		45:14.30	-0.80	
PSZ	130.5	251	ePn	3:44:58.90		0.35	
			eSn		45:15.80	-0.46	
PENC	178.5	251	ePn	3:45:05.20		0.67	
			ePn		3:45:05.90	1.26	
LANS	179.4	301	eSn	45:27.60		0.49	
			eSn		45:27.60	0.49	
DRGR	190.0	153	iPnD	3:45:05.60		-0.37	
			ePn		3:45:07.40	-0.04	
VYHS	201.8	276	ePn	3:45:07.40		-0.04	
			eSn		45:31.10	-0.99	
PKS7	227.5	232	ePn	3:45:10.30		-0.35	
			ePn		3:45:11.60	0.00	
CJR	235.2	139	iPnD	3:45:11.60		0.00	
			iPnD		3:45:17.80	0.03	
BURB	284.7	106	iPnD	3:45:17.80		0.03	
			iPnD		3:45:19.80	0.21*	
BZS	299.3	179	iPnD	3:45:19.80		0.21*	
			iPnD		3:45:19.80	0.21*	

78.

2014-03-14 time: 2:32:18.09 UTC ML= 0.3
 lat: 47.333N lon: 18.250E h= 10.0 km
 erh=10.8km erz= 4.2km
 nr= 6 gap=185 rms=0.37
 Locality: Bodajk
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	3.4	13	ePgD	2:32:19.50		-0.47	
			eSg		32:21.20	-0.24	
PKSG	12.5	59	ePgD	2:32:21.20		0.26	
			eSg		32:23.40	0.24	
PKST	18.3	243	ePgD	2:32:21.70		-0.11	
			eSg		32:25.50	0.79	

Hypocenter Parameters

79.

2014-03-15 time: 17:07:32.64 UTC ML= 2.1
 lat: 46.066N lon: 16.247E h= 1.9 km
 erh= 1.8km erz= 1.7km
 nr= 51 gap=134 rms=0.76
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	42.5	0	iPg	17:07:40.90			0.66
			iSg	07:46.50			0.33
GOLS	48.6	263	iPg	17:07:41.60			0.27
GCIS	52.9	245	iPg	17:07:42.00			-0.09
			iSg	07:50.50			1.04
DOBS	60.9	279	iPg	17:07:44.10			0.58
CESS	61.6	260	iPg	17:07:43.90			0.25
			iSg	07:52.60			0.37
CRES	66.8	247	iPg	17:07:44.30			-0.28
GROS	72.4	307	iPg	17:07:45.60			0.03
			iSg	07:56.10			0.45
LEGS	73.2	260	iPg	17:07:45.70			-0.01
PKDS	96.7	270	iPg	17:07:49.80			-0.11
			iSg	08:04.80			1.42
BOJS	99.4	231	iPg	17:07:49.30			-1.10
			iSg	08:03.50			-0.75
PERS	107.7	306	iPg	17:07:51.20			-0.67
			iSg	08:06.60			-0.27
BISS	107.8	307	iPg	17:07:52.10			0.20
VISS	113.0	255	iPg	17:07:52.20			-0.63
			iSg	08:07.40			-1.18
SOKA	115.6	306	Pg	17:07:52.30			-0.99
			Sg	08:08.10			-1.30
VNDS	119.7	272	iPg	17:07:53.50			-0.51
			iSg	08:10.90			0.22
GBRS	126.6	242	iPn	17:07:55.60			0.38
			iSn	08:12.90			0.07
OBKA	139.9	291	Pn	17:07:57.20			0.32
			Sn	08:15.20			-0.59
GBAS	140.6	264	iPn	17:07:56.70			-0.27
MOZS	141.6	280	iPn	17:07:56.50			-0.60
ARSA	142.9	337	Pn	17:07:57.30			0.04
			Sn	08:14.50			-1.96
CEY	145.9	256	iPn	17:07:58.30			0.67
CRNS	153.7	271	iPn	17:07:58.40			-0.20
PKSV	156.6	97	ePn	17:07:57.40			-1.57
			eSn	08:14.00			-5.50*
JAVS	170.3	264	iPn	17:08:01.40			0.73
VOJS	182.7	269	iPn	17:08:03.40			1.18
SKDS	182.9	252	iPn	17:08:03.20			0.95
PKSM	185.7	85	ePnD	17:07:59.90			-2.69
			eSn	08:27.10			1.14
MORH	185.9	85	ePnC	17:07:59.90			-2.73
			eSn	08:26.40			0.39
CADS	194.8	275	iPn	17:08:05.10			1.37
CONA	209.1	352	Pn	17:08:05.00			-0.52
			Sn	08:33.60			2.44
MYKA	210.2	287	Pn	17:08:07.10			1.45
			Sn	08:36.00			4.61*
MOA	249.1	323	Pn	17:08:11.60			1.09
			Sn	08:37.70			-2.34
MODS	268.2	17	ePn	17:08:11.80			-1.08
			eSn	08:38.80			-5.47*
ABTA	297.0	285	Pn	17:08:18.60			2.12
			Sn	09:04.60			13.93*
VYHS	333.5	36	ePn	17:08:19.10			-1.93*
			eSn	08:53.30			-5.47*
KHC	395.5	330	ePn	17:08:29.30			0.54*
			eSn	09:11.10			-1.43*

Földrengés paraméterek

80.

2014-03-17 time: 7:22:22.87 UTC ML= 1.6
 lat: 47.903N lon: 19.144E h= 0.1 km
 erh= 4.7km erz= 852km
 nr= 6 gap=200 rms=0.46
 Locality: Rétság
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PENC	16.2	140	ePgC	7:22:25.60			-0.16
			eSg	22:27.20			-0.82
PSZ	56.1	88	ePgD	7:22:33.30			0.40
			eSg	22:39.90			-0.82
VYHS	69.6	341	ePg	7:22:35.70			0.40
			eSg	22:44.30			-0.70

81.

2014-03-18 time: 7:45:45.46 UTC ML= 0.8
 lat: 47.635N lon: 18.394E h= 0.0 km
 erh= 4.6km erz= 572km
 nr= 8 gap=166 rms=0.41
 Locality: Baj
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	27.0	181	ePg	7:45:50.00			-0.29
			eSg	45:54.30			0.25
CSKK	31.9	198	ePgD	7:45:50.60			-0.55
			eSg	45:56.40			0.81
PKST	49.8	213	ePgD	7:45:54.40			0.04
			eSg	46:01.50			0.19
VYHS	101.0	19	ePg	7:46:03.50			0.00
			eSg	46:18.20			0.62

82.

2014-03-18 time: 7:46:55.96 UTC ML= 0.8
 lat: 47.340N lon: 18.472E h= 0.0 km
 erh= 7.7km erz= 963km
 nr= 6 gap=302 rms=0.58
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	8.5	313	ePgC	7:46:58.10			0.63
			eSg	46:58.60			-0.05
CSKK	16.2	279	ePgD	7:46:58.40			-0.46
			eSg	47:00.10			-1.02
PKST	34.3	255	ePg	7:47:02.00			-0.09
			eSg	47:07.70			0.83

83.

2014-03-18 time: 7:51:29.09 UTC ML= 0.8
 lat: 47.339N lon: 18.461E h= 0.0 km
 erh= 7.0km erz= 878km
 nr= 6 gap=297 rms=0.53
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.9	318	ePgC	7:51:31.10			0.60
			eSg	51:31.60			0.00
CSKK	15.4	280	ePgC	7:51:31.40			-0.44
			eSg	51:33.00			-0.99
PKST	33.5	255	ePgC	7:51:35.00			-0.07
			eSg	51:40.50			0.76

Földrengés paraméterek

Hypocenter Parameters

84.

2014-03-18 time: 7:51:45.70 UTC ML= 0.5
 lat: 47.431N lon: 18.316E h= 0.0 km
 erh= 0.8km erz=85.3km
 nr= 5 gap=260 rms=0.04
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.1	128	ePgC	7:51:47.00	0.04
			eSg	51:47.90	-0.05
CSKK	8.6	209	ePgC	7:51:47.20	-0.04
			eSg	51:48.50	0.06
PKST	28.6	228	ePgC	7:51:50.80	-0.01

85.

2014-03-18 time: 11:21:20.38 UTC ML= 0.5
 lat: 47.445N lon: 17.998E h= 0.0 km
 erh= 6.2km erz= 803km
 nr= 6 gap=289 rms=0.46
 Locality: Ácstesztér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.8	172	ePg	11:21:23.90	-0.20
			eSg	21:27.00	-0.01
CSKK	21.8	115	ePg	11:21:24.40	0.13
			eSg	21:27.90	0.60
PKSG	30.2	101	ePg	11:21:26.00	0.23
			eSg	21:28.70	-1.28

86.

2014-03-19 time: 13:21:37.04 UTC ML= 2.6
 lat: 45.931N lon: 20.699E h= 5.2 km
 erh= 1.9km erz= 1.7km
 nr= 24 gap=118 rms=0.52
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	45.9	118	iPg	13:21:45.30	0.01
BANR	69.8	151	iPg	13:21:50.20	0.66
BZS	79.5	116	iPgD	13:21:50.60	-0.66
SIRR	83.2	63	iPg	13:21:51.70	-0.22
PKS6	114.8	310	ePgD	13:21:57.90	0.34
			eSg	22:14.90	1.33
PKS2	130.5	299	ePnC	13:21:59.60	-0.09
			eSn	22:18.00	0.65
MDVR	150.4	148	iPnD	13:22:02.30	0.14
MORH	162.1	281	ePnC	13:22:02.80	-0.82
			eSn	22:24.60	0.24
PKSM	162.2	281	ePnD	13:22:02.90	-0.74
			eSn	22:25.00	0.61
DEV	171.1	92	iPn	13:22:04.90	0.16
GZR	172.6	110	iPn	13:22:04.50	-0.43
DRGR	182.0	58	iPn	13:22:05.70	-0.40
PKSV	189.9	269	ePn	13:22:06.40	-0.69
			eSn	22:28.70	-1.83*
PSZ	229.3	344	iPnD	13:22:12.20	0.20
CJR	239.6	69	iPn	13:22:14.20	0.91
LOT	245.1	103	iPnD	13:22:15.10	1.13
PKST	252.0	306	ePnD	13:22:14.90	0.07
MPLH	278.8	300	ePnC	13:22:18.70	0.53
TRPA	281.7	30	iPn	13:22:19.10	0.57
BLY	305.3	245	iPn	13:22:22.00	0.53*
ARCR	308.5	65	iPnD	13:22:31.20	9.33*
ARR	313.0	102	iPnD	13:22:23.00	0.56*
VYHS	318.0	334	ePn	13:22:23.00	-0.06*
VOIR	343.3	99	iPnD	13:22:26.60	0.38*
MODS	375.6	316	ePn	13:22:29.40	-0.85*
BURB	392.6	62	iPnD	13:22:32.80	0.44*

87.

2014-03-20 time: 15:48:27.70 UTC ML= 1.3
 lat: 47.158N lon: 17.737E h= 0.0 km
 erh= 2.3km erz= 259km
 nr= 6 gap=263 rms=0.15
 Locality: Herend
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	25.2	64	ePg	15:48:32.30	0.10
			eSg	48:35.70	0.00
TIH	31.1	158	eSg	15:48:37.60	0.02
CSKK	45.7	60	ePgD	15:48:35.80	-0.07
			eSg	48:41.90	-0.33
PKSG	55.9	62	eSg	15:48:45.70	0.24

88.

2014-03-21 time: 9:16:34.37 UTC ML= 0.9
 lat: 47.499N lon: 18.317E h= 0.0 km
 erh= 5.1km erz= 653km
 nr= 6 gap=296 rms=0.39
 Locality: Kecskéd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	13.1	155	ePgC	9:16:37.00	0.28
			eSg	16:37.70	-0.85
CSKK	15.7	196	ePg	9:16:37.40	0.23
			eSg	16:39.50	0.14
PKST	34.2	219	ePgC	9:16:40.10	-0.37
			eSg	16:45.60	0.37

89.

2014-03-21 time: 11:05:52.24 UTC ML= 0.3
 lat: 47.453N lon: 18.059E h= 0.0 km
 erh= 5.3km erz= 695km
 nr= 5 gap=280 rms=0.31
 Locality: Bakonysárkány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.2	123	eSg	11:05:58.10	0.09
PKST	21.6	185	ePg	11:05:55.70	-0.40
			eSg	05:59.30	0.19
PKSG	25.9	105	ePgD	11:05:57.20	0.33
			eSg	06:00.10	-0.38

90.

2014-03-22 time: 9:24:36.52 UTC ML= 1.0
 lat: 48.025N lon: 19.624E h= 0.0 km
 erh= 1.1km erz= 256km
 nr= 6 gap=169 rms=0.16
 Locality: Nagylóc
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	23.5	120	ePgC	9:24:40.70	-0.01
			eSg	24:43.70	-0.27
PENC	36.5	224	ePg	9:24:43.00	-0.04
			eSg	24:48.20	0.07
VYHS	78.3	312	ePg	9:24:50.70	0.19
			eSg	25:00.90	-0.52

Hypocenter Parameters

Földrengés paraméterek

91.

2014-03-24 time: 8:33:08.21 UTC ML= 1.1
 lat: 47.332N lon: 18.480E h= 0.0 km
 erh= 8.4km erz= ***km
 nr= 6 gap=302 rms=0.63
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.5	315	ePgC	8:33:10.40	0.49
			eSg	33:11.10	-0.13
CSKK	17.0	282	ePgD	8:33:10.80	-0.44
			eSg	33:12.30	-1.31
PKST	34.7	257	ePg	8:33:14.50	0.10
			eSg	33:20.30	1.06

92.

2014-03-25 time: 11:53:25.65 UTC ML= 1.2
 lat: 47.665N lon: 17.983E h= 10.0 km
 erh= 2.3km erz= 2.5km
 nr= 22 gap=101 rms=0.91
 Locality: Bábolna
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	39.5	148	eSg	11:53:37.60	-1.00
PKSG	43.2	135	ePg	11:53:34.30	0.74
			eSg	53:40.90	1.17
PKST	45.3	175	ePg	11:53:33.90	-0.03
			eSg	53:39.70	-0.68
MPLH	64.4	211	ePg	11:53:36.70	-0.58
			eSg	53:46.00	-0.35
ZST	88.4	312	ePg	11:53:41.90	0.36
			eSg	53:53.70	-0.24
MODS	94.8	326	ePg	11:53:42.90	0.23
			eSg	53:55.70	-0.25
PENC	98.4	82	ePg	11:53:39.90	-3.41
			eSg	53:58.00	0.91
SMOL	103.1	336	eP*	11:53:46.10	1.97
			eS*	53:57.70	-0.85
VYHS	112.0	35	ePn	11:53:45.20	-0.17
			eSn	53:59.40	-1.35
PSZ	146.0	79	ePn	11:53:50.20	0.60
			eSn	54:08.80	0.51
MORH	168.8	163	ePnC	11:53:52.10	-0.34
PKSM	169.1	163	ePn	11:53:52.20	-0.29
			eSn	54:14.50	1.07

93.

2014-03-25 time: 13:02:04.88 UTC ML= 0.4
 lat: 47.425N lon: 18.042E h= 0.0 km
 erh= 0.9km erz= 113km
 nr= 6 gap=276 rms=0.07
 Locality: Aka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.8	113	ePgD	13:02:08.00	-0.07
			eSg	02:10.60	0.04
PKST	18.5	182	ePg	13:02:08.20	0.01
			eSg	02:10.80	0.04
PKSG	26.5	98	ePgD	13:02:09.70	0.08
			eSg	02:13.20	-0.12

94.

2014-03-26 time: 2:47:39.07 UTC ML=-0.2
 lat: 47.374N lon: 18.205E h= 0.1 km
 erh= 4.9km erz= 145km
 nr= 6 gap=217 rms=0.49
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	4.4	107	ePgC	2:47:39.30	-0.55
			eSg	47:39.60	-0.85
PKSG	14.1	82	ePg	2:47:42.00	0.41
			eSg	47:43.90	0.34
PKST	18.2	225	ePg	2:47:42.60	0.28
			eSg	47:45.30	0.45

95.

2014-03-26 time: 8:40:00.81 UTC ML= 1.0
 lat: 47.335N lon: 18.423E h= 0.0 km
 erh= 5.0km erz= 661km
 nr= 6 gap=275 rms=0.39
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.8	339	ePgC	8:40:02.40	0.38
			eSg	40:02.90	-0.06
CSKK	12.7	284	ePgD	8:40:02.70	-0.38
			eSg	40:04.40	-0.45
PKST	30.6	254	ePgC	8:40:06.20	-0.08
			eSg	40:11.40	0.85

96.

2014-03-26 time: 8:43:45.89 UTC ML= 1.2
 lat: 47.332N lon: 18.428E h= 0.0 km
 erh= 7.1km erz= 920km
 nr= 6 gap=278 rms=0.57
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.3	337	ePgC	8:43:47.70	0.51
			eSg	43:48.20	0.00
CSKK	13.2	286	ePgD	8:43:47.90	-0.34
			eSg	43:49.00	-1.07
PKST	30.9	255	ePg	8:43:51.20	-0.20
			eSg	43:56.70	1.00

97.

2014-03-26 time: 8:43:57.27 UTC ML= 1.2
 lat: 47.529N lon: 18.327E h= 0.0 km
 erh= 5.5km erz= 676km
 nr= 6 gap=306 rms=0.61
 Locality: Kecskéd
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	16.0	163	ePgC	8:44:00.40	0.28
			eSg	44:01.60	-0.75
CSKK	19.1	195	ePgC	8:44:00.60	-0.08
			eSg	44:01.90	-1.45
PKST	37.3	216	ePg	8:44:04.50	0.57
			eSg	44:09.70	0.57

Földrengés paraméterek

Hypocenter Parameters

98.

2014-03-26 time: 12:49:55.04 UTC ML= 0.2
 lat: 47.435N lon: 18.064E h= 0.0 km
 erh= 6.1km erz= 724km
 nr= 5 gap=274 rms=0.33
 Locality: Aka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.8	118	ePg	12:49:57.70	-0.34
			eSg	50:00.20	-0.18
PKST	19.7	187	ePgc	12:49:58.40	-0.15
			eSg	50:01.50	0.21
PKSG	25.1	101	ePg	12:50:00.10	0.58

99.

2014-03-27 time: 12:31:18.90 UTC ML= 0.3
 lat: 47.454N lon: 18.049E h= 0.0 km
 erh= 2.6km erz= 333km
 nr= 6 gap=282 rms=0.20
 Locality: Vérteskehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.9	122	ePgD	12:31:22.10	-0.17
			eSg	31:25.00	0.10
PKST	21.8	183	ePgc	12:31:22.60	-0.19
			eSg	31:25.90	0.08
PKSG	26.7	105	ePgc	12:31:24.00	0.34
			eSg	31:27.30	-0.08

100.

2014-03-27 time: 20:39:43.00 UTC ML=-0.2
 lat: 47.363N lon: 18.211E h= 0.8 km
 erh= 9.8km erz=17.6km
 nr= 6 gap=208 rms=0.28
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.8	90	ePgc	20:39:43.40	-0.29
			eSg	39:44.00	-0.22
PKSG	14.0	77	ePgD	20:39:45.70	0.20
			eSg	39:47.70	0.25
PKST	17.6	229	ePgc	20:39:46.00	-0.16
			eSg	39:49.20	0.59

101.

2014-03-29 time: 4:27:11.64 UTC ML= 1.5
 lat: 48.681N lon: 20.186E h= 0.4 km
 erh= 4.3km erz= 392km
 nr= 6 gap=237 rms=0.67
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	31.2	135	ePg	4:27:17.20	-0.02
			eSg	27:20.50	-1.06
PSZ	87.6	194	ePg	4:27:27.50	0.22
			eSg	27:39.80	0.33
VYHS	101.8	258	ePg	4:27:30.70	0.88
			eSg	27:43.00	-0.99

102.

2014-03-31 time: 2:08:41.22 UTC ML= 1.7
 lat: 47.948N lon: 16.415E h= 6.3 km
 erh= 1.6km erz= 1.5km
 nr= 39 gap= 57 rms=0.83
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	31.4	160	ePgD	2:08:47.60	0.66
			eSg	08:51.20	-0.19
CONA	41.4	267	Pg	2:08:49.00	0.30
			Sg	08:54.40	-0.13
ZST	58.2	62	ePg	2:08:51.20	-0.48
			eSg	08:58.90	-0.94
MODS	79.7	54	ePg	2:08:54.70	-0.81
			eSg	09:05.60	-1.05
SMOL	98.1	50	ePg	2:08:59.10	0.31
			eSg	09:12.10	-0.38
ARSA	102.5	221	Pg	2:08:59.00	-0.57
			Sg	09:10.90	-2.98
MPLH	121.0	136	ePnD	2:09:03.80	1.26
			eSn	09:18.80	-0.37
PKST	143.9	122	ePn	2:09:05.70	0.31
			eSn	09:22.00	-2.24
CSKK	153.2	115	ePn	2:09:06.40	-0.15
			ePnD	2:09:08.40	0.90
PKSG	160.8	113	ePnD	2:09:08.40	0.90
			Pn	2:09:08.10	0.57
MOA	161.0	266	Sg	09:27.70	-0.34
			ePn	2:09:11.00	3.44
TIH	161.3	136	ePn	2:09:11.00	3.44
			ePn	2:09:09.00	1.03
TREC	164.6	335	ePn	2:09:09.00	1.03
			eSn	09:27.40	-1.44
SOKA	175.7	216	Pn	2:09:09.70	0.35
			Sg	09:30.40	-0.89
VYHS	189.9	71	ePn	2:09:10.70	-0.43
			eSn	09:33.50	-0.95
OBKA	213.5	221	Pn	2:09:13.90	-0.16
			Sg	09:38.80	-0.88
KRLC	238.1	6	ePn	2:09:17.40	0.27
			ePn	2:09:20.90	2.61
KHC	247.3	302	eSn	09:50.40	3.20
			Pn	2:09:18.80	0.10
KBA	250.7	247	Sg	09:47.60	-0.33
			ePn	2:09:19.20	-0.22
MORH	256.4	139	eSn	09:45.80	-3.42*
			ePn	2:09:19.10	-0.35
PKSM	256.6	139	ePn	2:09:19.10	-0.35
			ePn	2:09:24.30	3.80
PRU	265.1	329	eSn	09:55.60	4.46*
			ePn	2:09:21.10	0.19
PKSV	268.4	149	ePn	2:09:21.10	0.19

103.

2014-03-31 time: 10:19:43.59 UTC ML= 1.0
 lat: 47.486N lon: 17.945E h= 0.0 km
 erh= 7.7km erz= ***km
 nr= 6 gap=259 rms=0.65
 Locality: Bakonyszombathely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	26.1	165	ePgD	10:19:49.00	0.75
			eSg	19:51.90	0.02
CSKK	27.4	120	ePgD	10:19:48.70	0.22
			eSg	19:50.90	-1.40
MPLH	46.6	221	ePg	10:19:51.20	-0.71
			eSg	19:58.60	0.20

Hypocenter Parameters

Földrengés paraméterek

104.

2014-04-01 time: 6:40:05.48 UTC ML= 0.6
 lat: 46.020N lon: 18.110E h= 0.0 km
 erh= 1.4km erz= 168km
 nr= 6 gap=279 rms=0.10
 Locality: Zók
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	18.4	143	ePg	6:40:08.60	-0.15
			eSg	40:11.40	0.09
PKSM	46.3	63	ePg	6:40:13.80	0.06
			eSg	40:20.20	0.01
MORH	46.7	62	ePgD	6:40:13.90	0.08
			eSg	40:20.20	-0.12

105.

2014-04-01 time: 9:00:08.04 UTC ML= 2.3
 lat: 48.837N lon: 20.425E h= 1.0 km
 erh= 7.2km erz= 4.9km
 nr= 8 gap=282 rms=0.88
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	39.6	173	ePg	9:00:14.30	-0.81
			eSg	00:20.20	-0.43
PSZ	109.4	201	ePg	9:00:28.20	0.62
			eSg	00:42.50	-0.32
VYHS	123.1	252	ePg	9:00:29.60	-0.42
			eSg	00:44.20	-2.96
PENC	144.0	216	ePn	9:00:34.10	1.21
			eSn	00:53.30	1.02

106.

2014-04-01 time: 9:03:20.07 UTC ML= 1.0
 lat: 47.578N lon: 18.351E h= 10.0 km
 erh= 6.7km erz= 8.4km
 nr= 8 gap=152 rms=0.28
 Locality: Környe
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	20.9	172	ePgD	9:03:24.40	0.20
			eSg	03:27.40	-0.03
CSKK	24.8	196	ePgC	9:03:24.40	-0.44
			eSg	03:28.40	-0.17
PKST	42.7	214	ePg	9:03:27.80	-0.10
			eSg	03:34.50	0.48
VYHS	108.1	20	ePn	9:03:39.60	0.30
			eSn	03:52.10	-2.21*
MODS	119.4	318	eSn	9:03:56.90	0.09

107.

2014-04-02 time: 7:31:42.31 UTC ML= 0.5
 lat: 47.455N lon: 18.248E h= 0.0 km
 erh= 5.5km erz= 765km
 nr= 6 gap=267 rms=0.45
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.3	175	ePgC	7:31:44.80	0.65
			eSg	31:45.70	0.12
PKSG	12.9	123	ePgC	7:31:44.60	-0.01
			eSg	31:45.30	-1.11
PKST	27.1	216	ePgC	7:31:46.90	-0.26
			eSg	31:50.90	-0.04

108.

2014-04-02 time: 7:31:56.11 UTC ML= 0.6
 lat: 47.454N lon: 18.292E h= 0.0 km
 erh= 9.8km erz= ***km
 nr= 5 gap=271 rms=0.49
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.2	133	ePgC	7:31:58.00	0.08
			eSg	31:58.60	-0.74
CSKK	10.4	193	ePgD	7:31:58.30	0.34
			eSg	32:00.00	0.59
PKST	29.2	222	eSg	7:32:04.60	-0.78

109.

2014-04-02 time: 7:34:43.13 UTC ML= 0.5
 lat: 47.419N lon: 18.301E h= 0.0 km
 erh= 4.5km erz= 552km
 nr= 6 gap=246 rms=0.33
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	7.0	206	ePg	7:34:44.80	0.43
			eSg	34:45.70	0.36
PKSG	7.4	114	ePg	7:34:44.50	0.05
			eSg	34:45.10	-0.38
PKST	26.9	229	ePg	7:34:47.80	-0.14
			eSg	34:51.20	-0.49

110.

2014-04-02 time: 7:35:04.29 UTC ML= 0.7
 lat: 47.340N lon: 18.403E h= 0.0 km
 erh= 6.9km erz= 942km
 nr= 6 gap=261 rms=0.58
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.8	351	ePg	7:35:05.70	0.38
			eSg	35:06.20	0.07
CSKK	11.0	283	ePg	7:35:06.00	-0.26
			eSg	35:06.80	-0.99
PKST	29.3	252	ePg	7:35:09.30	-0.22
			eSg	35:14.80	1.21

111.

2014-04-02 time: 7:35:37.68 UTC ML= 0.8
 lat: 47.454N lon: 18.353E h= 0.0 km
 erh= 6.8km erz= 870km
 nr= 6 gap=289 rms=0.52
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.4	157	ePg	7:35:39.30	0.29
			eSg	35:39.90	-0.15
CSKK	12.2	215	ePg	7:35:39.60	-0.26
			eSg	35:40.60	-0.96
PKST	32.3	228	ePg	7:35:43.50	0.05
			eSg	35:49.00	1.04

Földrengés paraméterek

Hypocenter Parameters

112.

2014-04-04 time: 10:15:27.08 UTC ML= 0.4
 lat: 47.433N lon: 18.077E h= 0.0 km
 erh= 1.7km erz= 223km
 nr= 6 gap=272 rms=0.13
 Locality: Aka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.9	119	ePg	10:15:30.00	0.07
			eSg	15:32.00	-0.15
PKST	19.7	189	ePg	10:15:30.40	-0.19
			eSg	15:33.50	0.17
PKSG	24.1	101	ePg	10:15:31.40	0.00
			eSg	15:34.90	0.14

113.

2014-04-04 time: 12:46:25.46 UTC ML= 0.0
 lat: 47.333N lon: 18.269E h= 0.0 km
 erh= 8.9km erz= ***km
 nr= 5 gap=191 rms=0.31
 Locality: Söréd
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.5	350	ePg	12:46:25.60	-0.48
			eSg	46:26.30	-0.26
PKSG	11.3	54	ePgC	12:46:27.70	0.22
			eSg	46:29.40	0.34
PKST	19.5	245	eSg	12:46:31.80	0.14

114.

2014-04-05 time: 8:18:01.92 UTC ML= 1.1
 lat: 48.064N lon: 19.613E h= 0.0 km
 erh= 2.1km erz= 603km
 nr= 7 gap=105 rms=0.40
 Locality: Nógrádmegyer
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	26.5	128	ePgC	8:18:06.50	-0.16
			eSg	18:10.30	-0.06
PENC	39.2	219	ePgD	8:18:08.90	-0.03
			eSg	18:14.30	-0.09
VYHS	74.9	310	ePg	8:18:16.10	0.81
			eSg	18:24.80	-0.92
KECS	79.8	54	ePg	8:18:16.30	0.14

115.

2014-04-07 time: 8:18:29.46 UTC ML= 0.8
 lat: 47.339N lon: 18.465E h= 0.0 km
 erh= 6.6km erz= 853km
 nr= 6 gap=298 rms=0.51
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.1	316	ePgC	8:18:31.40	0.49
			eSg	18:32.10	0.06
CSKK	15.7	280	ePg	8:18:31.80	-0.45
			eSg	18:33.40	-1.04
PKST	33.7	255	ePgC	8:18:35.40	-0.08
			eSg	18:40.90	0.72

116.

2014-04-07 time: 8:19:20.97 UTC ML= 0.7
 lat: 47.438N lon: 18.354E h= 0.0 km
 erh= 5.2km erz= 640km
 nr= 6 gap=281 rms=0.38
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.8	152	ePgC	8:19:22.10	0.09
			eSg	19:22.80	-0.02
CSKK	10.9	220	ePg	8:19:22.50	-0.42
			eSg	19:23.80	-0.64
PKST	31.3	231	ePg	8:19:26.90	0.34
			eSg	19:31.50	0.58

117.

2014-04-07 time: 10:05:00.41 UTC ML= 1.5
 lat: 48.377N lon: 19.827E h= 0.0 km
 erh= 1.0km erz= 336km
 nr= 7 gap=106 rms=0.22
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	50.1	76	ePg	10:05:09.20	-0.16
			eSg	05:16.40	0.06
PSZ	51.2	174	ePgD	10:05:09.60	0.05
			eSg	05:16.60	-0.08
VYHS	74.5	280	ePg	10:05:14.20	0.49
			eSg	05:23.80	-0.29
LANS	90.0	343	eSg	10:05:28.90	-0.13

118.

2014-04-08 time: 9:33:43.89 UTC ML= 1.0
 lat: 46.238N lon: 18.159E h= 0.0 km
 erh= 1.1km erz= 266km
 nr= 7 gap=170 rms=0.18
 Locality: Liget
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	37.3	94	ePgD	9:33:50.40	-0.15
			eSg	33:56.10	0.35
MORH	37.5	94	ePgD	9:33:50.40	-0.19
			eSg	33:55.90	0.09
PKSV	39.5	170	ePg	9:33:51.10	0.15
			eSg	33:56.40	-0.05
PKS9	39.9	13	eSg	9:34:03.40	6.84*
BEHE	109.6	284	eSg	9:34:18.80	0.08

119.

2014-04-10 time: 6:42:01.57 UTC ML= 1.5
 lat: 47.912N lon: 19.880E h= 7.5 km
 erh= 5.7km erz= 4.9km
 nr= 8 gap=196 rms=0.69
 Locality: Mátraszentimre
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	1.3	57	ePgD	6:42:02.40	-0.52
			eSg	42:05.00	1.02
PENC	46.8	253	ePgD	6:42:09.60	-0.43
			eSg	42:18.00	1.37
KECS	77.8	35	ePg	6:42:16.80	1.27
			eSg	42:26.00	-0.42
VYHS	101.0	310	ePg	6:42:19.50	-0.16
			eSg	42:34.00	0.23

Hypocenter Parameters

120.

2014-04-11 time: 6:33:04.32 UTC ML= 0.3
 lat: 47.424N lon: 18.204E h= 0.0 km
 erh= 3.0km erz= 459km
 nr= 6 gap=249 rms=0.28
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	8.0	148	ePg	6:33:06.10			0.35
			eSg		33:06.80		-0.07
PKSG	14.6	104	ePg	6:33:07.00			0.08
			eSg		33:08.90		-0.04
PKST	22.4	215	ePg	6:33:07.80			-0.52
			eSg		33:11.60		0.16

121.

2014-04-11 time: 6:39:30.69 UTC ML= 0.3
 lat: 47.439N lon: 18.172E h= 0.0 km
 erh= 3.7km erz= 492km
 nr= 6 gap=260 rms=0.31
 Locality: Felsődobos
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.7	142	ePgD	6:39:32.30			-0.31
			eSg		39:33.60		-0.50
PKSG	17.3	108	ePgD	6:39:34.00			0.22
			eSg		39:36.30		0.11
PKST	22.6	208	ePgD	6:39:34.70			-0.02
			eSg		39:38.50		0.64

122.

2014-04-11 time: 6:54:11.94 UTC ML= 0.9
 lat: 46.002N lon: 18.145E h= 0.0 km
 erh= 1.7km erz= 191km
 nr= 6 gap=272 rms=0.12
 Locality: Győd
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	15.1	146	ePg	6:54:14.50			-0.13
			eSg		54:16.80		0.06
PKSM	45.0	59	ePgD	6:54:20.10			0.13
			eSg		54:26.00		-0.23
MORH	45.4	58	ePgC	6:54:20.10			0.06
			eSg		54:26.30		-0.06

123.

2014-04-11 time: 8:09:34.55 UTC ML= 2.2
 lat: 46.096N lon: 16.611E h= 12.2 km
 erh= 2.7km erz= 2.1km
 nr= 24 gap=151 rms=0.84
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BEHE	43.5	17	ePg	8:09:42.60			-0.02
			eSg		09:48.90		-0.02
KOGS	48.0	325	iPg	8:09:43.60			0.20
			iSg		09:49.80		-0.50
GCIS	80.3	252	iPg	8:09:49.70			0.65
			iSg		09:49.80		-0.50
DOBS	88.4	274	iPg	8:09:50.50			0.01
			iSg		09:49.80		-0.50
PKSV	129.3	100	ePn	8:09:55.50			-0.64
			eSn		10:12.00		-0.97
TIH	133.0	48	ePn	8:09:56.90			0.30
			eSn		10:14.20		-0.62
SOKA	137.6	298	Pn	8:09:57.40			0.23
			eSn		10:14.20		-0.62
MPLH	139.0	31	ePn	8:09:56.80			-0.55
			eSn		10:15.50		0.36

Földrengés paraméterek

PKS9	139.6	67	ePn	8:09:59.70			2.28
			eSn		10:17.30		2.04
ARSA	153.0	327	Pn	8:09:59.60			0.51
			eSn		10:18.10		-0.14
PKSM	157.4	85	ePnD	8:09:58.30			-1.35
			eSn		10:19.70		0.48
MORH	157.7	85	ePn	8:09:58.20			-1.48
			eSn		10:20.20		0.92
PKST	169.1	40	ePnD	8:10:00.30			-0.80
			eSn		10:24.20		2.38
SOP	176.5	359	ePn	8:10:06.80			4.77*
MODS	258.2	11	ePn	8:10:10.60			-1.62
VYHS	315.3	32	ePn	8:10:18.60			-0.74*
			eSn		10:50.20		-4.07*

124.

2014-04-11 time: 22:15:56.17 UTC ML= 0.7
 lat: 46.054N lon: 18.415E h= 10.0 km
 erh= 4.6km erz= 1.5km
 nr= 12 gap=159 rms=0.44
 Locality: Hásságy
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	22.2	214	ePgD	22:16:00.70			0.18
			eSg		16:03.90		-0.02
PKSM	24.8	45	ePgD	22:16:01.00			0.05
			eSg		16:04.30		-0.37
MORH	25.3	45	ePgD	22:16:01.00			-0.02
			eSg		16:04.40		-0.41
PKS2	78.5	52	ePg	22:16:10.40			0.10
			eSg		16:23.00		1.68
PKS6	107.4	56	ePnD	22:16:14.80			-0.51
			eSn		16:30.20		-0.04
PKSG	148.8	359	ePnD	22:16:20.40			-0.07
			eSn		16:42.20		2.77*

125.

2014-04-13 time: 1:29:58.51 UTC ML= 1.5
 lat: 47.919N lon: 16.343E h= 5.5 km
 erh= 1.8km erz= 1.6km
 nr= 45 gap= 67 rms=0.96
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	30.8	148	ePgD	1:30:04.80			0.71
			eSg		30:08.80		0.36
CONA	36.0	272	Pg	1:30:05.00			0.00
			Sg		30:10.50		0.43
MODS	86.0	54	ePg	1:30:13.20			-0.70
			eSg		30:24.60		-1.30
ARSA	96.5	220	Pg	1:30:15.00			-0.78
			Sg		30:26.00		-3.25
SMOL	104.4	51	ePg	1:30:17.10			-0.07
			eSg		30:30.90		-0.83
MPLH	122.7	133	ePn	1:30:20.30			0.16
			eSn		30:36.30		-0.71
PKST	146.9	120	ePnD	1:30:23.20			0.04
			eSn		30:42.30		-0.09
SRO	147.9	95	ePn	1:30:23.20			-0.09
			eSn		30:41.00		-1.62
SRO2	154.5	96	ePn	1:30:25.50			1.39
			eSn		30:42.40		-1.69
MOA	155.5	267	Pn	1:30:24.50			0.27
			Sn		30:43.50		-0.80
CSKK	156.8	113	ePnD	1:30:24.80			0.40
			eSn		30:45.90		1.31
TIH	162.9	134	ePnD	1:30:28.30			3.15
			eSn		30:45.40		-0.93
PKSG	164.6	111	ePnD	1:30:26.40			1.03
			eSn		30:45.40		-0.93
TREC	165.5	338	ePn	1:30:25.60			0.12
			eSn		30:45.60		-0.92

Földrengés paraméterek

Hypocenter Parameters

SOKA 169.8 216 Pn 1:30:27.20 1.18
 Sn 30:46.70 -0.78
 VYHS 196.1 71 ePn 1:30:28.80 -0.49
 eSn 30:51.40 -1.90
 KBA 244.5 248 Pn 1:30:36.70 1.37
 Sn 31:05.30 1.26
 KHC 244.7 303 ePn 1:30:35.80 0.45
 eSn 31:03.30 -0.79
 GOPC 249.5 333 ePn 1:30:37.40 1.45
 eSn 31:08.80 3.65
 MORH 257.7 137 ePnD 1:30:36.80 -0.18
 eSn 31:04.70 -2.28
 PKSM 257.9 137 ePnD 1:30:36.80 -0.20
 eSn 31:04.30 -2.72
 PRU 265.3 330 ePn 1:30:38.90 0.98
 eSn 31:08.50 -0.16
 PKSV 268.5 147 ePnD 1:30:38.50 0.17
 DPC 270.4 360 ePn 1:30:43.10 4.54
 eSn 31:15.50 5.70*
 PRA 277.1 330 eSn 1:31:17.40 6.11*
 UPC 288.9 355 eSn 1:31:21.60 7.70*
 PVCC 317.7 336 eSn 1:31:28.30 8.01*
 NKC 383.7 312 eSn 1:31:46.70 11.75*

126.

2014-04-13 time: 20:38:20.17 UTC ML= 0.6
 lat: 47.370N lon: 18.105E h= 10.0 km
 erh= 6.7km erz= 2.5km
 nr= 8 gap=240 rms=0.51
 Locality: Nagyveleg
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	11.8	94	ePgD	20:38:22.40	-0.53
			eSg	38:23.80	-1.28
PKST	13.5	203	ePgD	20:38:23.40	0.23
			eSg	38:25.40	-0.11
PKSG	21.7	84	ePgD	20:38:25.00	0.56
			eSg	38:28.20	0.43
MORH	134.8	162	eSn	20:39:00.40	0.07
PKSM	135.2	162	ePn	20:38:46.80	4.02*
			eSn	39:00.00	-0.41

127.

2014-04-14 time: 8:14:50.17 UTC ML= 0.7
 lat: 47.475N lon: 18.352E h= 0.0 km
 erh= 2.0km erz= 255km
 nr= 6 gap=297 rms=0.15
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.7	162	ePgC	8:14:52.00	0.10
			eSg	14:53.00	-0.25
CSKK	14.2	209	ePgC	8:14:52.80	0.09
			eSg	14:54.70	0.01
PKST	33.9	225	ePg	8:14:56.00	-0.23
			eSg	15:01.10	0.14

128.

2014-04-14 time: 8:15:25.47 UTC ML= 0.7
 lat: 47.437N lon: 18.349E h= 0.0 km
 erh= 5.1km erz= 622km
 nr= 6 gap=278 rms=0.37
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.9	148	ePgC	8:15:26.60	0.07
			eSg	15:27.20	-0.15
CSKK	10.6	219	ePgC	8:15:26.90	-0.45

			eSg	15:28.50	-0.33
PKST	30.9	230	ePg	8:15:31.50	0.51
			eSg	15:35.80	0.51

129.

2014-04-18 time: 8:50:21.16 UTC ML= 1.2
 lat: 47.337N lon: 17.567E h= 14.7 km
 erh= 7.1km erz=13.3km
 nr= 6 gap=258 rms=0.62
 Locality: Nagygyimót
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	18.7	186	ePgD	8:50:25.30	-0.11
			eSg	50:29.30	0.58
PKST	36.4	104	eSg	8:50:33.50	-0.15
CSKK	52.5	87	eSg	8:50:37.40	-1.09
TIH	54.5	153	eSg	8:50:38.90	-0.22
PKSG	62.5	84	eSg	8:50:42.60	1.02

130.

2014-04-18 time: 9:20:56.64 UTC ML= 0.3
 lat: 47.396N lon: 18.108E h= 0.0 km
 erh= 3.5km erz= 550km
 nr= 7 gap=211 rms=0.36
 Locality: Aka
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.1	108	ePg	9:20:58.50	-0.29
			eSg	21:00.70	0.23
PKST	16.2	200	ePgC	9:20:59.00	-0.53
			eSg	21:02.10	0.31
PKSG	21.3	91	ePgD	9:21:00.40	-0.04
			eSg	21:03.60	0.19
MPLH	49.8	240	ePg	9:21:06.10	0.57

131.

2014-04-22 time: 1:16:35.16 UTC ML=-0.5
 lat: 47.362N lon: 18.242E h= 6.8 km
 erh= 7.9km erz= 1.4km
 nr= 5 gap=200 rms=0.30
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	1.4	86	ePg	1:16:35.90	-0.50
			eSg	16:37.40	0.04
PKSG	11.7	74	ePg	1:16:37.60	0.02
			eSg	16:39.80	0.33
PKST	19.4	234	eSg	1:16:42.00	0.29

132.

2014-04-22 time: 7:28:21.36 UTC ML= 0.5
 lat: 47.424N lon: 18.309E h= 0.0 km
 erh= 3.1km erz= 368km
 nr= 6 gap=252 rms=0.24
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.2	120	ePgC	7:28:22.60	-0.04
			eSg	28:23.40	-0.24
CSKK	7.7	208	ePgD	7:28:22.90	0.16
			eSg	28:23.80	-0.01
PKST	27.7	228	ePgC	7:28:26.50	0.19
			eSg	28:29.40	-0.76

Hypocenter Parameters

133.

2014-04-22 time: 7:29:15.91 UTC ML= 0.6
 lat: 47.416N lon: 18.316E h= 0.0 km
 erh= 1.4km erz= 142km
 nr= 5 gap=245 rms=0.07
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.2	115	ePgC	7:29:17.00	-0.02
			eSg	29:17.90	0.01
CSKK	7.2	216	ePgD	7:29:17.30	0.10
			eSg	29:18.10	-0.11
PKST	27.5	231	ePg	7:29:20.80	-0.03

134.

2014-04-22 time: 18:23:37.11 UTC ML= 2.0
 lat: 45.834N lon: 17.886E h= 8.2 km
 erh= 5.4km erz= 3.4km
 nr= 20 gap=232 rms=0.98
 Locality: Sósvertike
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	29.0	78	ePg	18:23:43.90	1.40
			eSg	23:46.90	0.20
PKSM	72.0	54	ePgD	18:23:49.60	-0.45
			eSg	23:59.50	-0.64
MORH	72.4	54	ePgD	18:23:49.70	-0.43
			eSg	23:59.50	-0.78
PKS9	89.0	20	ePg	18:23:52.70	-0.37
			eSg	24:07.10	1.58
BEHE	111.2	309	ePn	18:23:56.60	-0.36
			eSn	24:12.10	-0.34
TIH	118.5	0	ePnC	18:23:58.70	0.83
			eSn	24:14.00	-0.06
PKS2	125.9	54	ePn	18:23:58.60	-0.19
			eSn	24:15.80	0.10
MPLH	150.9	350	ePn	18:23:59.00	-2.91
			eSn	24:24.10	2.85
PKS6	155.0	57	ePn	18:24:01.60	-0.82
			eSn	24:25.20	3.05
PKST	158.8	4	ePnC	18:24:02.40	-0.50
			eSn	24:25.40	2.39

135.

2014-04-23 time: 21:13:12.17 UTC ML= 1.9
 lat: 47.096N lon: 20.462E h= 7.3 km
 erh= 3.2km erz= 2.9km
 nr= 33 gap= 79 rms=1.34
 Locality: Kétpó
 Comments:

sta	dist	azm	phase	hr mn sec	res
BSZH	27.1	327	ePg	21:13:18.00	0.83
			eSg	13:23.40	2.32
PKSN	50.3	244	ePgD	21:13:21.50	0.25
			eSg	13:30.00	1.67
PKS6	87.9	231	ePgD	21:13:27.60	-0.32
			eSg	13:40.70	0.50
PKS7	99.0	267	ePgD	21:13:29.00	-0.89
			eSg	13:41.80	-1.91
PSZ	101.0	335	ePgC	21:13:29.50	-0.74
			eSg	13:42.50	-1.84
LTVH	113.6	74	ePn	21:13:35.10	2.66
			eSn	13:49.60	1.35
PKS2	116.6	235	ePn	21:13:32.30	-0.51
			eSn	13:48.30	-0.61
PENC	117.9	311	ePnD	21:13:32.30	-0.67
			eSn	13:46.90	-2.29
SIRR	129.9	135	iPn	21:13:32.70	-1.77

Földrengés paraméterek

PKSG	160.2	282	ePn	21:13:40.20	1.95
			eSn	14:00.80	2.20
CSKK	169.3	280	eSn	21:14:01.40	0.78
MORH	170.1	235	ePnD	21:13:40.10	0.62
			eSn	14:01.70	0.92
PKSM	170.5	235	ePn	21:13:39.80	0.26
			eSn	14:01.80	0.92
DRGR	174.6	101	iPn	21:13:39.30	-0.74
PKS9	175.9	251	ePn	21:13:42.80	2.60
			eSn	14:05.40	3.33
PKST	184.9	276	eSn	21:14:00.30	-3.78
BZS	186.9	152	iPnD	21:13:41.10	-0.48
TRPA	194.0	54	iPn	21:13:42.30	-0.16
BANR	197.4	165	iPn	21:13:43.40	0.51
PKSV	216.3	232	ePn	21:13:49.20	3.95
			eSn	14:16.20	5.16*

136.

2014-04-24 time: 12:06:10.69 UTC ML= 1.8
 lat: 48.237N lon: 21.260E h= 5.3 km
 erh= 2.5km erz= 2.7km
 nr= 11 gap=154 rms=0.53
 Locality: Tállya
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	63.6	296	ePg	12:06:21.70	-0.38
			eSg	06:29.80	-1.17
TRPA	95.8	97	ePg	12:06:27.40	-0.43
			eSg	06:41.30	0.10
KOLS	107.6	44	ePg	12:06:30.00	0.07
			eSg	06:45.40	0.46
PSZ	107.7	251	ePgD	12:06:30.20	0.25
			eSg	06:45.20	0.22
LANS	166.5	308	ePn	12:06:39.70	1.89
			eSn	06:59.50	0.54
VYHS	181.9	279	eSn	12:07:01.90	-0.46

137.

2014-04-25 time: 20:11:44.64 UTC ML= 0.6
 lat: 47.359N lon: 18.209E h= 0.2 km
 erh= 3.5km erz=24.3km
 nr= 6 gap=205 rms=0.29
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	3.9	83	ePgD	20:11:45.00	-0.34
			eSg	11:45.60	-0.29
PKSG	14.2	75	ePgD	20:11:47.40	0.22
			eSg	11:49.70	0.55
PKST	17.2	230	ePgD	20:11:47.60	-0.12
			eSg	11:50.40	0.28

138.

2014-04-27 time: 15:39:50.60 UTC ML= 1.8
 lat: 46.213N lon: 16.748E h= 10.0 km
 erh= 4.6km erz= 3.4km
 nr= 20 gap=174 rms=1.09
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	28.7	4	ePgD	15:39:55.00	-1.03
			eSg	40:02.40	2.14
PKSV	121.9	107	ePn	15:40:11.30	-0.25
			eSn	40:28.40	0.51
MPLH	122.5	30	ePn	15:40:11.20	-0.42
			eSn	40:27.30	-0.72
PKS9	124.9	71	eSn	15:40:29.50	0.94
SOKA	141.6	291	Pn	15:40:13.70	-0.31

Földrengés paraméterek

Hypocenter Parameters

Sn 40:29.70 -2.57
 PKSM 146.1 90 ePn 15:40:15.40 0.83
 eSn 40:30.50 -2.77
 MORH 146.3 90 ePn 15:40:15.50 0.90
 eSn 40:30.60 -2.72
 ARSA 148.6 321 Pn 15:40:15.00 0.12
 PKST 152.3 40 ePn 15:40:15.60 0.26
 eSn 40:35.30 0.65
 OBKA 172.4 281 Pn 15:40:19.00 1.15
 Sn 40:40.30 1.19
 MOA 262.1 314 Pn 15:40:29.60 0.56
 Sn 40:58.50 -0.52

139.

2014-04-29 time: 9:38:11.10 UTC ML= 0.8
 lat: 47.459N lon: 17.900E h= 0.0 km
 erh= 6.6km erz= ***km
 nr= 8 gap=241 rms=0.81
 Locality: Bakonybánk
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	24.5	156	ePg	9:38:16.80	1.33
			eSg	38:19.60	0.73
CSKK	29.2	111	ePgD	9:38:16.60	0.29
			eSg	38:19.40	-0.98
PKSG	37.8	101	ePgC	9:38:18.30	0.46
			eSg	38:21.70	-1.40
MPLH	42.2	220	ePgD	9:38:17.90	-0.73
			eSg	38:24.10	-0.40

140.

2014-04-30 time: 10:06:29.72 UTC ML= 1.7
 lat: 48.919N lon: 20.668E h= 7.0 km
 erh= 4.4km erz= 3.5km
 nr= 9 gap=163 rms=0.76
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	50.3	195	ePg	10:06:38.70	-0.09
			eSg	06:45.20	-0.67
LANS	91.4	286	ePg	10:06:46.40	0.31
			eSg	06:58.20	-0.67
KOLS	117.6	89	eSn	10:07:05.60	-1.15
PSZ	125.2	207	ePnD	10:06:52.10	0.64
			eSn	07:08.80	0.38
VYHS	142.9	251	ePn	10:06:55.00	1.33
			eSn	07:11.10	-1.25

141.

2014-05-02 time: 10:14:07.04 UTC ML= 1.8
 lat: 48.740N lon: 21.037E h= 0.0 km
 erh= 8.3km erz= 481km
 nr= 6 gap=202 rms=0.28
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	49.7	235	ePg	10:14:15.80	-0.12
			eSg	14:22.40	-0.44
KOLS	93.3	77	ePg	10:14:23.60	-0.10
			eSg	14:36.80	0.12
PSZ	124.6	223	ePg	10:14:29.70	0.41
			eSg	14:46.30	-0.34

142.

2014-05-02 time: 10:51:03.52 UTC ML= 1.3
 lat: 48.194N lon: 19.805E h= 0.0 km
 erh= 4.9km erz= ***km
 nr= 6 gap=127 rms=0.79
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	31.4	168	ePg	10:51:09.60	0.47
			eSg	51:12.10	-1.41
KECS	59.8	58	ePg	10:51:14.00	-0.20
			eSg	51:22.20	-0.33
VYHS	79.2	295	ePg	10:51:18.60	0.93
			eSg	51:27.30	-1.40

143.

2014-05-02 time: 21:58:47.46 UTC ML= 1.0
 lat: 47.313N lon: 17.417E h= 1.7 km
 erh= 4.3km erz= 3.1km
 nr= 16 gap=249 rms=0.76
 Locality: Borsosgyőr
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	18.4	150	ePgC	21:58:50.50	-0.26
			eSg	58:53.00	-0.33
PKST	47.1	97	ePg	21:58:55.70	-0.18
			eSg	59:00.40	-2.04
CSKK	64.0	85	ePg	21:58:59.00	0.10
			eSg	59:08.20	0.39
PKSG	74.1	83	ePgC	21:59:01.50	0.80
			eSg	59:12.10	1.08
SRO2	88.9	56	ePg	21:59:02.40	-0.95
			eSg	59:14.30	-1.44
MORH	153.8	142	ePn	21:59:14.20	0.74
			eSn	59:33.10	-0.63
PKSM	154.0	143	ePn	21:59:14.20	0.71
			eSn	59:32.30	-1.48
VYHS	168.8	39	ePn	21:59:16.00	0.67
			eSn	59:36.40	-0.67

144.

2014-05-05 time: 8:36:46.18 UTC ML= 0.9
 lat: 47.473N lon: 18.385E h= 0.0 km
 erh= 6.1km erz= 757km
 nr= 6 gap=309 rms=0.45
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.0	178	ePgC	8:36:48.00	0.21
			eSg	36:48.80	-0.24
CSKK	15.4	218	ePg	8:36:48.40	-0.53
			eSg	36:50.40	-0.68
PKST	35.6	228	ePgC	8:36:52.80	0.26
			eSg	36:58.30	0.80

145.

2014-05-05 time: 8:37:38.32 UTC ML= 1.0
 lat: 47.475N lon: 18.336E h= 0.0 km
 erh= 4.3km erz= 560km
 nr= 6 gap=292 rms=0.33
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	10.1	156	ePgC	8:37:40.40	0.28
			eSg	37:41.10	-0.43
CSKK	13.7	205	ePg	8:37:40.70	-0.06

Hypocenter Parameters

Földrengés paraméterek

eSg 37:42.50 -0.16
 PKST 33.1 224 ePgC 8:37:44.00 -0.23
 eSg 37:49.60 0.76

146.

2014-05-07 time: 9:27:59.94 UTC ML= 1.2
 lat: 47.604N lon: 16.361E h= 4.5 km
 erh= 2.1km erz= 2.4km
 nr= 16 gap= 85 rms=0.64
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	17.3	59	ePgC	9:28:03.50			0.37
			eSg		28:06.40		0.78
CONA	52.0	314	Pg	9:28:09.00			-0.26
			Sg		28:16.30		-0.23
ARSA	74.4	238	Pg	9:28:12.30			-0.95
MPLH	101.2	118	ePgD	9:28:18.60			0.57
			eSg		28:32.70		0.56
MODS	109.6	39	ePg	9:28:18.60			-0.93
			eSg		28:34.30		-0.51
KOGS	128.7	184	Pn	9:28:22.00			-0.45
			eSn		28:39.90		-0.11
PKST	131.9	107	ePnD	9:28:22.70			-0.16
			eSn		28:39.70		-1.03
MOA	159.5	280	Pn	9:28:27.90			1.61
			Sn		28:47.60		0.75
PTJ	191.8	189	Sn	9:28:54.40			0.37

147.

2014-05-07 time: 10:41:02.68 UTC ML= 1.2
 lat: 47.073N lon: 17.758E h= 0.0 km
 erh= 0.9km erz= 252km
 nr= 6 gap=151 rms=0.18
 Locality: Szentgál
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	19.8	303	ePg	10:41:06.20			-0.01
			eSg		41:09.10		0.14
TIH	21.8	152	ePgD	10:41:06.50			-0.08
			eSg		41:09.90		0.27
PKST	29.4	45	ePg	10:41:08.00			0.06
			eSg		41:11.60		-0.44

148.

2014-05-08 time: 6:37:56.15 UTC ML= 2.8
 lat: 48.047N lon: 20.571E h= 4.5 km
 erh= 2.1km erz= 2.0km
 nr= 44 gap= 37 rms=1.10
 Locality: Bükkszentkereszt
 Comments: felt 5 EMS

sta	dist	azm	phase	hr	mn	sec	res
KECS	48.9	353	ePg	6:38:05.00			0.08
			eSg		38:11.50		-0.25
PSZ	52.5	254	ePgD	6:38:05.50			-0.06
			eSg		38:13.10		0.19
BSZH	86.2	195	ePg	6:38:11.70			0.13
			eSg		38:23.90		0.31
PENC	100.5	253	ePgD	6:38:13.60			-0.52
			eSg		38:27.60		-0.54
LTVH	124.0	126	ePn	6:38:17.70			-0.38
			eSn		38:34.70		-0.48
BUD	131.8	242	eSn	6:38:35.20			-1.72
VYHS	138.0	291	ePn	6:38:19.40			-0.43
			eSn		38:36.00		-2.29
PKSN	138.5	203	ePn	6:38:20.60			0.72
			eSn		38:38.60		0.22
TRPA	146.9	86	ePn	6:38:20.50			-0.43

			eSn		38:38.20		-2.06
LANS	147.2	326	ePn	6:38:21.50			0.53
			eSn		38:39.30		-1.03
PKS7	153.7	224	ePnD	6:38:21.90			0.12
			eSn		38:42.10		0.32
KOLS	159.8	52	ePn	6:38:21.60			-0.94
			eSn		38:45.10		1.98
STHS	160.1	18	e n	6:38:24.80			2.22
			eSn		38:43.20		0.01
PKS6	178.0	205	eSn	6:38:50.00			2.83
PKSG	179.1	246	ePn	6:38:26.40			1.45
			eSn		38:49.20		1.79
CSKK	189.4	246	ePn	6:38:26.80			0.57
			eSn		38:52.90		3.21
PKST	209.8	245	ePn	6:38:28.60			-0.17
			eSn		38:53.40		-0.81
PKS9	237.5	227	ePn	6:38:35.80			3.57
			eSn		39:05.50		5.14*
MODS	247.5	278	ePn	6:38:34.00			0.53
			eSn		39:06.80		4.22*
MPLH	247.9	247	ePn	6:38:33.50			-0.03
MORH	250.7	216	ePnC	6:38:31.80			-2.07
			eSn		38:59.00		-4.29*
PKSM	251.2	216	ePnD	6:38:31.90			-2.03
			eSn		38:59.10		-4.30*
CJR	272.5	123	iPn	6:38:35.70			-0.89
BZS	281.7	164	iPn	6:38:36.60			-1.14
MORC	293.7	311	iPnD	6:38:39.70			0.46
GZR	339.8	150	iPn	6:38:44.00			-0.99*
BURB	351.1	98	iPn	6:38:45.20			-1.20*
MDVR	373.5	166	iPnD	6:38:48.20			-0.99*
HERR	379.4	158	iPnD	6:38:49.00			-0.93*
ARR	430.4	134	iPn	6:38:55.30			-0.98*
VOIR	448.7	130	iPn	6:38:56.80			-1.76*

149.

2014-05-08 time: 9:00:45.29 UTC ML= 1.6
 lat: 48.087N lon: 20.656E h= 6.3 km
 erh= 5.4km erz= 2.7km
 nr= 6 gap=268 rms=0.33
 Locality: Bükkszentlászló
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KECS	45.8	344	ePg	9:00:53.70			0.15
			eSg		00:59.50		-0.50
PSZ	59.8	252	ePg	9:00:55.90			-0.14
			eSg		01:04.10		-0.32
PENC	107.9	252	eSg	9:01:20.30			0.66
VYHS	142.4	289	eSn	9:01:27.80			-0.18

150.

2014-05-08 time: 11:19:56.00 UTC ML= 1.3
 lat: 47.927N lon: 18.000E h= 10.0 km
 erh= 1.8km erz= 2.6km
 nr= 19 gap= 88 rms=0.70
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SRO	26.6	118	ePg	11:20:01.20			0.12
			eSg		20:04.70		-0.34
RVZH	50.8	206	Pg	11:20:05.30			0.05
MODS	73.2	313	ePg	11:20:09.50			0.30
			eSg		20:19.20		-0.29
ZST	73.3	294	ePg	11:20:09.10			-0.11
			eSg		20:18.20		-1.32
PKST	74.3	178	Pg	11:20:10.20			0.81
			eSg		20:17.80		-2.02
SMOL	77.9	327	ePg	11:20:11.20			1.18
			eSg		20:20.90		-0.06
VYHS	88.6	45	ePg	11:20:12.10			0.18
			eSg		20:22.90		-1.43

Földrengés paraméterek

MPLH 91.0 202 ePg 11:20:12.00 -0.34
 eSg 20:24.50 -0.59
 PSZ 141.6 90 ePnD 11:20:20.70 1.29
 eSn 20:36.90 -0.77
 MORH 196.4 166 ePn 11:20:25.90 -0.34
 PKSM 196.8 166 ePn 11:20:25.90 -0.39

151.

2014-05-08 time: 19:31:07.42 UTC ML= 3.5
 lat: 45.645N lon: 21.462E h= 8.3 km
 erh= 2.2km erz= 1.8km
 nr= 38 gap= 55 rms=0.92
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	12.4	105	iPgD	19:31:10.70			0.61
TIM	21.4	299	iPg	19:31:11.70			0.18
BANR	38.7	221	iPg	19:31:14.90			0.40
SIRR	70.9	12	iPg	19:31:19.60			-0.57
MDVR	97.9	168	iPgD	19:31:24.20			-0.77
GZR	106.4	105	iPgD	19:31:25.60			-0.89
HERR	113.2	139	iPnD	19:31:27.30			-0.20
DEV	115.2	77	iPn	19:31:26.80			-0.96
DRGR	159.8	37	iPn	19:31:33.10			-0.22
SRE	175.3	129	iPn	19:31:37.20			1.96
PKS6	181.1	306	ePnD	19:31:35.70			-0.27
			eSn	31:56.20			-2.04
PKSN	185.7	319	ePnC	19:31:36.40			-0.15
			eSn	32:00.40			1.13
PKS2	197.9	298	ePn	19:31:38.10			0.04
			eSn	32:05.20			3.24
CJR	203.3	54	iPnD	19:31:39.00			0.26
BSZH	205.6	333	ePn	19:31:39.30			0.27
			eSn	32:09.70			6.02*
MORH	227.6	286	ePnD	19:31:40.70			-1.07
			eSn	32:13.00			4.44
PKSM	227.7	286	ePnD	19:31:40.70			-1.08
			eSn	32:13.20			4.61
MDB	233.1	76	iPn	19:31:44.20			1.74
PKS7	236.0	311	ePnC	19:31:42.70			-0.12
			eSn	32:15.10			4.67*
ARR	249.8	97	iPn	19:31:45.80			1.26
PKSV	251.2	276	ePn	19:31:43.80			-0.91
			eSn	32:18.40			4.60*
PKS9	267.4	293	ePn	19:31:46.10			-0.64
			eSn	32:26.30			8.89*
BMR	274.0	35	iPn	19:31:48.60			1.04
ARCR	274.2	54	iPn	19:31:48.30			0.72
BUD	277.0	318	ePnD	19:31:47.50			-0.43
			eSn	32:33.70			14.17*
PSZ	279.7	335	ePnC	19:31:47.50			-0.76
			eSn	32:17.60			-2.52
VOIR	281.2	95	iPnD	19:31:49.20			0.75
TRPA	288.3	17	iPn	19:31:48.60			-0.73
PENC	291.0	325	ePnD	19:31:49.30			-0.38
			eSn	32:24.30			1.66*
HUMR	303.5	114	iPn	19:31:52.40			1.16*
PKSG	305.4	309	ePnD	19:31:51.80			0.33*
			eSn	32:36.50			10.67*
DOPR	307.3	83	iPn	19:31:52.90			1.19*
TIH	308.5	297	ePnD	19:31:51.60			-0.26*
			eSn	32:25.10			-1.42*
CSKK	311.3	308	ePnD	19:31:51.60			-0.60*
			eSn	32:38.10			10.97*
PKST	318.7	304	ePnD	19:31:52.80			-0.33*
			eSn	32:26.30			-2.48*
KECS	324.2	347	ePn	19:31:54.00			0.19*
OZUR	339.5	82	iPn	19:31:57.00			1.28*
MPLH	346.0	299	ePn	19:31:56.40			-0.14*
			eSn	32:32.30			-2.55*
MLR	350.4	93	iPn	19:31:58.70			1.62*
BURB	361.5	53	iPnD	19:31:59.80			1.34*
VTS	366.9	158	iPn	19:31:59.00			-0.14*

Hypocenter Parameters

KOLS 370.7 10 ePn 19:31:59.80 0.19*
 eSn 32:52.40 12.07*
 VYHS 374.3 328 ePn 19:31:59.80 -0.27*
 VRI 410.4 87 iPnD 19:32:06.40 1.83*
 LANS 417.8 339 ePn 19:32:06.60 1.11*
 ZST 436.7 311 ePn 19:32:06.20 -1.65*
 eSn 32:50.50 -4.48*
 SOP 438.4 301 ePn 19:32:08.80 0.74*
 eSn 32:50.40 -4.95*
 MODS 439.7 314 ePn 19:32:06.40 -1.81*
 eSn 32:49.90 -5.73*
 SMOL 442.2 316 ePn 19:32:07.90 -0.63*
 eSn 32:51.90 -4.30*
 ARSA 490.0 291 Pn 19:32:14.90 0.41*
 Sn 33:02.90 -3.91*
 CONA 497.3 301 Pn 19:32:16.10 0.70*
 Sn 33:04.70 -3.73*
 SOKA 509.7 283 Pn 19:32:15.90 -1.05*
 Sn 33:07.30 -3.88*
 CFR 525.0 96 iPn 19:32:19.00 0.14*
 OKC 528.3 332 ePn 19:32:19.80 0.53*
 eSn 33:13.90 -1.41*
 OBKA 543.4 280 Pn 19:32:21.50 0.36*
 MORC 545.5 327 iPn 19:32:20.70 -0.71*
 VRAC 548.3 318 iPnD 19:32:20.90 -0.85*
 KRLC 604.4 325 ePn 19:32:28.00 -0.76*
 eSn 33:29.60 -2.60*
 DPC 648.8 324 ePn 19:32:34.20 -0.08*
 PRU 708.4 313 ePn 19:32:39.60 -2.12*
 eSn 33:49.90 -5.38*
 KHC 710.4 303 ePn 19:32:41.10 -0.87*
 eSn 33:50.30 -5.41*

152.

2014-05-09 time: 6:35:33.97 UTC ML= 0.6
 lat: 47.345N lon: 18.351E h= 0.0 km
 erh= 3.3km erz= 477km
 nr= 6 gap=219 rms=0.29
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	6.0	30	ePgC	6:35:35.00			-0.03
			eSg	35:35.50			-0.37
CSKK	7.2	286	ePgD	6:35:35.30			0.05
			eSg	35:36.30			0.06
PKST	25.8	248	ePg	6:35:39.10			0.52
			eSg	35:41.70			-0.48

153.

2014-05-09 time: 6:35:52.17 UTC ML= 0.6
 lat: 47.330N lon: 18.362E h= 0.0 km
 erh= 2.6km erz= 398km
 nr= 6 gap=235 rms=0.24
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.2	18	ePgC	6:35:53.50			0.04
			eSg	35:54.20			-0.26
CSKK	8.5	296	ePgD	6:35:53.80			0.11
			eSg	35:54.80			-0.07
PKST	26.0	252	ePg	6:35:57.10			0.28
			eSg	35:59.80			-0.64

Hypocenter Parameters

Földrengés paraméterek

154.

2014-05-09 time: 6:38:15.22 UTC ML= 0.5
 lat: 47.323N lon: 18.365E h= 0.0 km
 erh= 2.6km erz= 379km
 nr= 6 gap=240 rms=0.24
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.9	14	ePgC	6:38:16.80			0.18
			eSg		38:17.40		-0.31
CSKK	9.0	299	ePgD	6:38:17.10			0.27
			eSg		38:17.70		-0.39
PKST	26.0	254	ePg	6:38:19.70			-0.16
			eSg		38:23.50		0.02

155.

2014-05-12 time: 11:02:51.58 UTC ML= 1.7
 lat: 48.348N lon: 19.843E h= 5.8 km
 erh= 2.1km erz= 5.0km
 nr= 9 gap=103 rms=0.53
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PSZ	48.0	175	ePgD	11:03:00.80			0.59
			eSg		03:07.50		0.56
KECS	49.9	73	ePg	11:03:00.30			-0.25
			eSg		03:06.80		-0.75
PENC	74.8	214	eSg	11:03:14.70			-0.73
			ePg	11:03:05.40			0.16
VYHS	76.2	282	eSg	03:14.90			-0.99
			ePg	11:03:08.70			0.41
LANS	93.4	343	ePg	11:03:08.70			0.41
			eSn	11:03:47.90			-0.19
ZST	204.1	265	eSn	11:03:47.90			-0.19

156.

2014-05-12 time: 14:20:15.71 UTC ML= 0.8
 lat: 47.109N lon: 18.003E h= 0.0 km
 erh= 3.3km erz= 846km
 nr= 7 gap=165 rms=0.56
 Locality: Litér
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	16.8	8	ePgC	14:20:18.10			-0.61
			eSg		20:20.70		-0.35
TIH	24.7	200	ePg	14:20:19.80			-0.32
			eSg		20:23.90		0.33
CSKK	34.3	35	ePg	14:20:22.20			0.36
			eSg		20:27.90		1.28
MPLH	35.8	281	eSg	14:20:27.30			0.22

157.

2014-05-13 time: 12:47:53.74 UTC ML= 0.7
 lat: 46.124N lon: 18.299E h= 0.0 km
 erh= 1.3km erz= 102km
 nr= 6 gap=241 rms=0.06
 Locality: Vasas
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	26.5	188	ePgD	12:47:58.50			0.04
			eSg		48:02.10		-0.05
PKSM	28.2	70	ePgD	12:47:58.80			0.03
			eSg		48:02.80		0.10
MORH	28.5	69	ePgD	12:47:58.80			-0.04
			eSg		48:02.70		-0.11

158.

2014-05-19 time: 9:41:17.70 UTC ML= 1.4
 lat: 48.619N lon: 20.742E h= 0.0 km
 erh= 3.1km erz= 2.5km
 nr= 8 gap=277 rms=0.29
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	24.2	231	ePg	9:41:21.80			-0.22
			eSg		41:25.70		0.31
PSZ	100.1	219	ePg	9:41:35.50			-0.08
			eSg		41:49.30		-0.23
LANS	110.5	302	ePg	9:41:37.70			0.26
			eSg		41:52.40		-0.44
VYHS	141.3	264	ePn	9:41:42.70			0.34
			eSn		42:00.70		-0.89

159.

2014-05-20 time: 11:44:58.44 UTC ML= 0.2
 lat: 47.187N lon: 18.297E h= 0.0 km
 erh= 1.6km erz= 205km
 nr= 6 gap=275 rms=0.12
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.8	352	ePgD	11:45:01.80			-0.17
			eSg		45:04.60		-0.13
PKST	21.5	292	ePg	11:45:02.30			0.03
			eSg		45:05.30		0.04
PKSG	23.8	17	ePgC	11:45:02.80			0.10
			eSg		45:06.20		0.18

160.

2014-05-21 time: 7:03:29.35 UTC ML= 0.8
 lat: 47.439N lon: 18.435E h= 0.0 km
 erh= 6.4km erz= 577km
 nr= 5 gap=335 rms=0.27
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	6.3	212	ePgC	7:03:30.70			0.23
			eSg		03:31.20		-0.14
CSKK	15.7	237	ePgD	7:03:32.00			-0.15
			eSg		03:33.90		-0.43
PKST	36.3	236	eSg	7:03:41.30			0.40

161.

2014-05-21 time: 7:03:46.34 UTC ML= 1.0
 lat: 47.369N lon: 18.482E h= 0.0 km
 erh= 2.8km erz= 489km
 nr= 10 gap=244 rms=0.38
 Locality: Csákvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.4	290	ePgC	7:03:47.60			-0.06
			eSg		03:48.50		-0.18
CSKK	16.8	268	ePgD	7:03:49.10			-0.24
			eSg		03:51.10		-0.57
PKST	36.0	250	ePg	7:03:53.30			0.53
			eSg		03:58.40		0.61
MORH	128.8	174	ePg	7:04:09.70			0.36
			eSg		04:27.10		-0.18
PKSM	129.2	175	ePg	7:04:09.60			0.18
			eSg		04:26.70		-0.72

Földrengés paraméterek

Hypocenter Parameters

162.

2014-05-21 time: 7:30:03.11 UTC ML= 1.3
 lat: 48.617N lon: 20.719E h= 0.0 km
 erh= 4.0km erz= 2.8km
 nr= 8 gap=275 rms=0.41
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	22.7	229	ePg	7:30:06.80	-0.37
			eSg	30:10.80	0.47
PSZ	98.9	218	ePg	7:30:21.00	0.24
			eSg	30:34.00	-0.54
LANS	109.3	303	ePg	7:30:22.60	-0.02
			eSg	30:37.90	0.05
VYHS	139.7	264	ePn	7:30:28.20	0.64
			eSn	30:46.00	-0.62

163.

2014-05-21 time: 9:06:13.36 UTC ML= 0.4
 lat: 47.463N lon: 18.225E h= 0.0 km
 erh= 1.8km erz= 270km
 nr= 6 gap=270 rms=0.16
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	11.4	166	ePg	9:06:15.70	0.30
			eSg	06:17.00	0.01
PKSG	14.8	122	ePg	9:06:16.00	0.00
			eSg	06:17.90	-0.16
PKST	26.9	212	ePg	9:06:18.00	-0.16
			eSg	06:21.90	0.00

164.

2014-05-21 time: 10:00:55.85 UTC ML= 1.4
 lat: 48.035N lon: 19.623E h= 0.0 km
 erh= 0.7km erz= 182km
 nr= 6 gap=171 rms=0.11
 Locality: Nagylóc
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	24.1	123	ePgD	10:01:00.10	-0.05
			eSg	01:03.50	0.00
PENC	37.3	223	ePgD	10:01:02.50	0.00
			eSg	01:07.70	0.01
VYHS	77.6	311	ePg	10:01:09.90	0.20
			eSg	01:20.30	-0.20

165.

2014-05-22 time: 8:51:03.03 UTC ML= 0.9
 lat: 47.649N lon: 16.321E h= 10.0 km
 erh= 2.6km erz= 1.6km
 nr= 11 gap=168 rms=0.52
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr mn sec	res
SOP	18.2	78	ePgc	8:51:06.80	0.06
			eSg	51:09.60	-0.03
ARSA	74.7	234	Pg	8:51:17.10	0.61
			eSg	51:25.70	-1.29
MPLH	106.2	120	eP*D	8:51:22.00	0.00
			eS*	51:36.10	-0.70
MODS	107.6	42	ePn	8:51:22.20	0.00
			eSn	51:37.20	0.04
KOGS	133.6	182	eSn	8:51:43.30	0.38
			Pn	8:51:25.70	-0.07
PKST	136.3	109	eSn	51:45.20	1.69

166.

2014-05-22 time: 13:26:28.37 UTC ML= 2.5
 lat: 45.590N lon: 22.848E h= 8.7 km
 erh= 1.9km erz= 1.9km
 nr= 19 gap= 62 rms=0.56
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
GZR	22.5	194	iPg	13:26:33.50	0.82
			iPg	13:26:34.90	0.46
DEV	32.9	7	iPg	13:26:34.90	0.46
			iPgD	13:26:40.70	-0.91
HERR	85.8	203	iPg	13:26:43.60	-0.16
			iPgD	13:26:45.00	-0.61
BZS	96.2	272	iPgD	13:26:45.00	-0.61
			eSg	26:56.60	-2.45*
SRE	106.8	165	iPgD	13:26:47.20	-0.30
			iPnD	13:26:49.10	-0.04
SIRR	119.1	309	iPnD	13:26:49.10	-0.04
			iPn	13:26:50.50	0.42
MDVR	126.6	225	iPn	13:26:50.50	0.42
			iPnD	13:26:51.40	0.40
DRGR	134.0	355	iPnD	13:26:51.40	0.40
			eSn	27:06.40	-2.26
CJR	137.7	25	iPnD	13:26:51.80	0.34
			iPn	13:26:51.40	-0.57
ARR	141.7	100	iPn	13:26:51.40	-0.57
			iPnD	13:27:00.20	0.72
DOPR	202.0	78	iPnD	13:27:00.20	0.72
			iPnD	13:27:04.20	-0.28
MLR	242.1	93	iPnD	13:27:04.20	-0.28
			eSn	27:34.90	2.25*
DIVS	280.2	234	Pn	13:27:09.70	0.47
			eSn	27:40.60	-0.50*
BURB	289.2	39	iPn	13:27:12.30	1.95
			Pn	13:27:16.40	0.49*
PKSM	333.7	282	Pn	13:27:16.40	0.49*
			ePn	13:27:53.20	36.08*
PSZ	343.5	319	ePn	13:27:53.20	36.08*
			ePn	13:27:30.50	0.83*
VYHS	444.1	317	ePn	13:27:30.50	0.83*

167.

2014-05-22 time: 18:55:10.39 UTC ML= 2.7
 lat: 45.599N lon: 22.842E h= 0.5 km
 erh= 2.0km erz= 2.6km
 nr= 24 gap= 46 rms=0.68
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
GZR	23.4	193	iPg	18:55:15.50	0.92
			iPg	18:55:16.80	0.70
DEV	32.0	9	iPg	18:55:16.80	0.70
			iPgD	18:55:22.50	-1.18
HERR	86.5	203	iPg	18:55:25.60	-0.24
			iPgD	18:55:27.00	-0.47
BZS	95.6	271	iPgD	18:55:27.00	-0.47
			iPg	18:55:29.90	0.23
SRE	108.0	165	iPg	18:55:29.90	0.23
			iPgD	18:55:31.20	-0.27
SIRR	118.0	309	iPgD	18:55:31.20	-0.27
			iPgD	18:55:32.50	-0.57
MDVR	127.0	224	iPgD	18:55:32.50	-0.57
			iPnD	18:55:33.20	-0.73
DRGR	132.9	356	iPnD	18:55:33.20	-0.73
			iPnD	18:55:34.00	-0.04
MDB	133.8	63	iPnD	18:55:34.00	-0.04
			iPn	18:55:34.70	0.44
BANR	135.6	260	iPn	18:55:34.70	0.44
			iPnD	18:55:33.80	-0.63
CJR	136.9	25	iPnD	18:55:33.80	-0.63
			iPn	18:55:39.80	0.16
MTUR	178.7	103	iPn	18:55:39.80	0.16
			ePn	18:55:40.80	0.50
AMBH	184.0	297	ePn	18:55:40.80	0.50
			eSn	56:04.50	0.87
ARCR	202.1	35	iPn	18:55:44.00	1.44
			iPnD	18:55:42.40	-0.17
DOPR	202.2	78	iPnD	18:55:42.40	-0.17
			iPn	18:55:45.30	2.23
HUMR	206.2	125	iPn	18:55:45.30	2.23
			iPnD	18:55:48.30	0.69
MLR	242.6	93	iPnD	18:55:48.30	0.69
			ePn	18:55:52.20	0.33
PKS6	276.8	294	ePn	18:55:52.20	0.33
			eSn	56:22.80	-1.42*
TRPA	282.3	355	ePn	18:55:52.90	0.34
			eSn	56:21.80	-3.65*
BURB	288.6	39	iPn	18:55:54.90	1.55
			iPnD	18:55:55.50	1.02
PLOR	297.8	85	iPnD	18:55:55.50	1.02
			eSn	18:56:26.40	-2.51*
PKS2	297.9	289	eSn	18:56:26.40	-2.51*
			iPnD	18:55:56.50	1.25*
VRI	303.9	84	iPnD	18:55:56.50	1.25*
			ePnD	18:55:58.40	-0.46*
MORH	332.9	282	ePnD	18:55:58.40	-0.46*
			eSn	56:33.10	-3.57*
PKSM	333.0	282	ePnC	18:55:58.50	-0.38*
			eSn	56:33.50	-3.20*
PSZ	342.3	319	ePn	18:56:00.80	0.76*

Hypocenter Parameters

	eSn	56:35.20	-3.57*
PKSV 358.6 275	ePnC	18:56:01.80	-0.28*
	eSn	56:39.10	-3.29*
PENC 365.4 312	ePnD	18:56:05.30	2.38*
KECS 367.3 331	ePn	18:56:04.00	0.85*
TIH 408.1 291	ePn	18:56:08.40	0.15*
	eSn	56:50.20	-3.17*
PKST 413.1 297	ePnC	18:56:09.40	0.54*
	eSn	56:52.90	-1.56*
VYHS 443.0 317	ePn	18:56:12.50	-0.09*
MPLH 443.7 293	ePn	18:56:15.10	2.42*
	eSn	57:00.10	-1.17*

168.

2014-05-24 time: 14:54:41.44 UTC ML= 0.9
 lat: 47.269N lon: 18.122E h= 9.3 km
 erh= 2.8km erz= 1.9km
 nr= 11 gap=144 rms=0.33
 Locality: Isztimér
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	6.7	261	ePgC	14:54:43.30	-0.19
			eSg	54:44.60	-0.49
CSKK	14.8	45	ePgD	14:54:44.60	0.04
			eSg	54:47.30	0.30
PKSG	24.5	56	ePgC	14:54:46.00	-0.12
			eSg	54:49.70	-0.06
MPLH	45.5	256	eSg	14:54:56.80	0.60
MORH	123.7	161	ePn	14:55:03.20	0.49
			eSn	55:18.60	-0.70
PKSM	124.0	161	ePn	14:55:03.00	0.24
			eSn	55:18.70	-0.68

169.

2014-05-24 time: 21:19:00.60 UTC ML=-0.3
 lat: 47.415N lon: 18.200E h= 2.7 km
 erh= 4.2km erz=10.2km
 nr= 6 gap=244 rms=0.08
 Locality: Pusztavám
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.3	141	ePg	21:19:02.10	0.10
			eSg	19:03.00	-0.09
PKSG	14.6	100	ePgD	21:19:03.30	0.04
			eSg	19:05.20	-0.13
PKST	21.3	216	ePgD	21:19:04.40	-0.04
			eSg	19:07.50	0.06

170.

2014-05-26 time: 7:06:19.66 UTC ML= 0.6
 lat: 47.452N lon: 18.334E h= 0.0 km
 erh= 7.8km erz= ***km
 nr= 6 gap=281 rms=0.60
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.0	147	ePg	7:06:21.00	-0.09
			eSg	06:21.60	-0.60
CSKK	11.4	209	ePg	7:06:22.40	0.71
			eSg	06:24.00	0.73
PKST	31.2	226	ePg	7:06:25.20	-0.03
			eSg	06:28.50	-1.08

Földrengés paraméterek

171.

2014-05-26 time: 7:06:48.30 UTC ML= 0.6
 lat: 47.437N lon: 18.347E h= 0.0 km
 erh= 5.9km erz= 743km
 nr= 6 gap=277 rms=0.44
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.0	147	ePgC	7:06:49.30	-0.08
			eSg	06:49.90	-0.32
CSKK	10.5	218	ePg	7:06:50.60	0.42
			eSg	06:52.10	0.45
PKST	30.9	230	ePg	7:06:53.90	0.09
			eSg	06:57.00	-1.11

172.

2014-05-26 time: 7:07:22.11 UTC ML= 0.7
 lat: 47.433N lon: 18.360E h= 0.0 km
 erh= 3.3km erz= 402km
 nr= 6 gap=281 rms=0.23
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.1	153	ePgC	7:07:23.00	-0.02
			eSg	07:23.60	-0.14
CSKK	10.8	224	ePg	7:07:24.30	0.26
			eSg	07:25.90	0.36
PKST	31.3	232	ePg	7:07:27.60	-0.10
			eSg	07:31.60	-0.46

173.

2014-05-27 time: 11:25:23.87 UTC ML= 0.5
 lat: 47.487N lon: 18.042E h= 0.0 km
 erh= 5.1km erz= 661km
 nr= 6 gap=291 rms=0.38
 Locality: Kisbér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	21.5	130	ePg	11:25:28.10	0.39
			eSg	25:31.30	0.59
PKST	25.4	181	ePgD	11:25:28.50	0.10
			eSg	25:31.40	-0.53
PKSG	28.4	112	ePg	11:25:28.70	-0.24
			eSg	25:32.40	-0.49

174.

2014-05-28 time: 8:04:37.71 UTC ML= 0.6
 lat: 47.445N lon: 18.363E h= 0.0 km
 erh= 7.1km erz= 800km
 nr= 5 gap=290 rms=0.38
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.3	161	ePgC	8:04:38.80	-0.03
			eSg	04:39.40	-0.30
CSKK	12.0	220	ePgC	8:04:40.10	0.26
			eSg	04:42.00	0.50
PKST	32.3	230	eSg	8:04:47.20	-0.78

Földrengés paraméterek

Hypocenter Parameters

175.

2014-05-28 time: 8:51:16.59 UTC ML= 1.6
 lat: 48.615N lon: 20.756E h= 0.0 km
 erh= 0.7km erz= 1.4km
 nr= 7 gap=147 rms=0.09
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.8	234	ePg	8:51:20.90	-0.11
			eSg	51:24.60	0.15
PSZ	100.5	220	ePg	8:51:34.60	0.07
			eSg	51:48.40	-0.12
LANS	111.6	302	ePg	8:51:36.50	-0.02
KOLS	117.0	72	eSg	8:51:53.80	0.02
VYHS	142.3	265	ePn	8:51:41.40	0.03

176.

2014-05-28 time: 12:22:09.79 UTC ML= 0.2
 lat: 47.514N lon: 18.215E h= 0.0 km
 erh= 4.4km erz= 583km
 nr= 6 gap=290 rms=0.34
 Locality: Dad
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.1	168	ePg	12:22:12.70	-0.15
			eSg	22:15.90	0.66
PKSG	19.0	136	ePg	12:22:13.30	0.12
			eSg	22:15.30	-0.53
PKST	31.5	206	ePgC	12:22:15.60	0.19
			eSg	22:19.40	-0.39

177.

2014-05-28 time: 12:39:18.00 UTC ML= 1.1
 lat: 47.502N lon: 18.196E h= 0.0 km
 erh= 3.6km erz= 10.0km
 nr= 7 gap=286 rms=0.54
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.2	162	ePgC	12:39:20.80	-0.10
			eSg	39:24.00	0.85
PKSG	19.1	130	ePgC	12:39:21.30	-0.12
			eSg	39:23.50	-0.58
PKST	29.6	204	ePgD	12:39:23.60	0.30
			eSg	39:27.30	-0.13
PKSM	147.4	167	eSn	12:39:58.70	-4.54*

178.

2014-05-29 time: 13:02:00.37 UTC ML= 0.4
 lat: 47.479N lon: 18.067E h= 0.0 km
 erh= 4.7km erz= 605km
 nr= 6 gap=286 rms=0.35
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.5	132	ePg	13:02:04.30	0.45
			eSg	02:07.10	0.54
PKST	24.6	186	ePgC	13:02:04.80	0.03
			eSg	02:07.80	-0.40
PKSG	26.3	112	ePgC	13:02:04.90	-0.16
			eSg	02:08.20	-0.52

179.

2014-06-02 time: 6:53:47.24 UTC ML= 0.1
 lat: 47.291N lon: 18.335E h= 0.0 km
 erh= 2.0km erz= 275km
 nr= 6 gap=241 rms=0.16
 Locality: Magyaralmás
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	9.8	325	ePg	6:53:49.13	0.14
			eSg	53:50.04	-0.32
PKSG	12.0	21	ePg	6:53:49.23	-0.16
			eSg	53:51.44	0.38
PKST	23.0	261	ePgC	6:53:51.38	0.03
			eSg	53:54.50	-0.06

180.

2014-06-02 time: 12:16:32.23 UTC ML= 0.7
 lat: 47.203N lon: 18.316E h= 0.0 km
 erh= 3.5km erz= 505km
 nr= 8 gap=251 rms=0.40
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.3	347	ePg	12:16:35.24	-0.26
			eSg	16:37.93	-0.12
PKSG	21.8	15	ePg	12:16:36.21	0.09
			eSg	16:39.68	0.53
PKST	22.2	286	ePg	12:16:35.87	-0.33
			eSg	16:38.71	-0.59
MPLH	59.0	266	ePg	12:16:43.24	0.48
			eSg	16:53.00	2.02

181.

2014-06-03 time: 6:43:56.63 UTC ML= 1.9
 lat: 46.903N lon: 17.087E h= 0.0 km
 erh= 1.2km erz= 149km
 nr= 8 gap=319 rms=0.11
 Locality: Zalaudvarnok
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	45.4	49	ePg	6:44:04.89	0.15
			eSg	44:11.06	-0.01
TIH	61.4	90	ePgC	6:44:07.59	-0.01
			eSg	44:16.32	0.16
PKST	82.1	61	ePgC	6:44:11.31	0.02
			eSg	44:22.68	-0.05
CSKK	102.7	60	ePg	6:44:14.74	-0.22
			eSg	44:29.20	-0.07

182.

2014-06-03 time: 6:58:56.53 UTC ML= 0.7
 lat: 47.323N lon: 18.407E h= 0.0 km
 erh= 5.3km erz= 738km
 nr= 6 gap=265 rms=0.45
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.8	351	ePgC	6:58:57.82	-0.09
			eSg	58:58.27	-0.72
CSKK	12.0	292	ePg	6:58:59.26	0.59
			eSg	59:00.99	0.66
PKST	29.1	256	ePgC	6:59:01.66	-0.07
			eSg	59:05.28	-0.50

Hypocenter Parameters

Földrengés paraméterek

183.

2014-06-03 time: 6:59:16.47 UTC ML= 0.6
 lat: 47.360N lon: 18.415E h= 0.0 km
 erh= 2.2km erz= 263km
 nr= 5 gap=276 rms=0.12
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.0	333	ePgC	6:59:17.21	0.02
			eSg	59:17.62	-0.13
CSKK	11.7	272	ePg	6:59:18.73	0.18
			eSg	59:20.27	0.10
PKST	30.9	249	ePgC	6:59:21.84	-0.14

184.

2014-06-03 time: 8:12:35.39 UTC ML= 1.4
 lat: 47.951N lon: 20.043E h= 0.0 km
 erh= 2.5km erz= 472km
 nr= 7 gap=223 rms=0.31
 Locality: Bodony
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	11.7	252	ePgC	8:12:37.09	-0.39
			eSg	12:39.55	0.44
KECS	67.7	29	eSg	8:12:56.80	-0.11
IZAB	73.0	340	ePg	8:12:48.50	0.08
			eSg	12:58.70	0.11
VYHS	108.1	304	ePg	8:12:55.10	0.40
			eSg	13:09.40	-0.36

185.

2014-06-04 time: 7:11:14.92 UTC ML= 0.7
 lat: 47.063N lon: 18.032E h= 0.0 km
 erh= 4.5km erz= 394km
 nr= 5 gap=174 rms=0.18
 Locality: Balatonfűzfő
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
TIH	21.0	210	ePg	7:11:18.79	0.12
			eSg	11:21.51	-0.08
PKST	21.8	0	ePgC	7:11:18.67	-0.14
CSKK	37.6	27	ePg	7:11:21.95	0.32
PKSG	45.5	37	ePg	7:11:22.88	-0.17

186.

2014-06-04 time: 12:05:16.26 UTC ML= 1.6
 lat: 47.874N lon: 19.085E h= 0.0 km
 erh= 5.6km erz= ***km
 nr= 8 gap=223 rms=0.81
 Locality: Berkenye
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	17.4	122	ePg	12:05:18.66	-0.72
			eSg	05:23.21	1.40
PSZ	60.8	85	ePg	12:05:26.31	-0.80
			eSg	05:34.81	-0.77
VYHS	71.4	345	ePg	12:05:29.50	0.49
			eSg	05:38.50	-0.44
IZAB	90.2	31	ePg	12:05:33.50	1.12
			eSg	05:44.80	-0.15

187.

2014-06-04 time: 12:22:21.45 UTC ML= 0.4
 lat: 47.234N lon: 18.282E h= 0.0 km
 erh= 4.7km erz= 504km
 nr= 7 gap=238 rms=0.37
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	14.4	353	ePgC	12:22:23.95	-0.08
			ePg	12:22:24.28	-0.56
PKST	19.0	278	ePg	22:27.17	-0.31
			eSg	12:22:24.76	-0.15
PKSG	19.4	25	ePg	22:27.69	0.09
			eSg	12:22:32.21	0.63
MPLH	56.7	263	ePgC	22:39.70	0.22
			eSg		

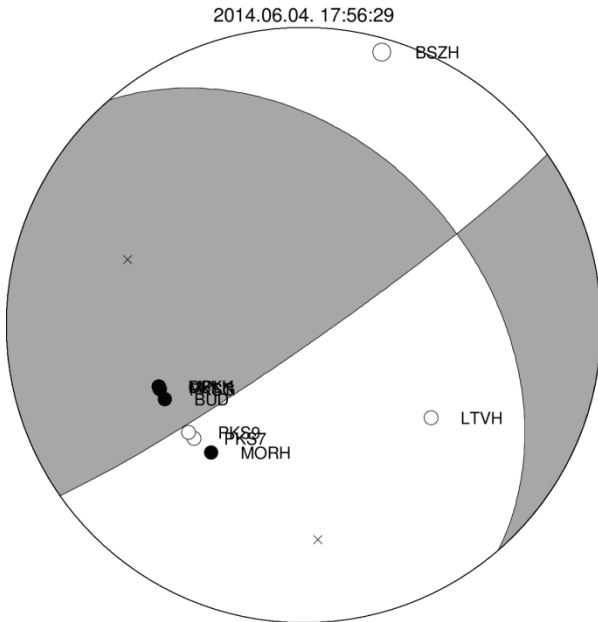
188.

2014-06-04 time: 17:56:29.00 UTC ML= 3.0
 lat: 48.040N lon: 20.573E h= 7.1 km
 erh= 2.5km erz= 2.5km
 nr= 42 gap= 50 rms=1.18
 Locality: Bükkszentkereszt
 Comments: felt 5 EMS

sta	dist	azm	phase	hr mn sec	res
KECS	49.8	352	ePg	17:56:37.90	-0.08
			eSg	56:44.30	-0.68
PSZ	52.4	255	ePg	17:56:38.45	0.00
			eSg	56:45.19	-0.63
BSZH	85.4	196	ePgD	17:56:44.38	0.07
			eSg	56:56.70	0.46
IZAB	86.8	313	ePg	17:56:43.70	-0.86
			eSg	56:55.30	-1.39
PENC	100.4	254	ePg	17:56:46.80	-0.18
CRVS	116.3	34	ePn	17:56:49.20	-0.42
			eSn	57:03.50	-2.20
LTVH	123.4	126	ePnD	17:56:50.38	-0.13
			eSn	57:07.30	0.02
BUD	131.6	242	ePnC	17:56:50.57	-0.96
			eSn	57:08.57	-0.53
VYHS	138.5	291	ePn	17:56:52.20	-0.19
			eSn	57:08.70	-1.94
TRPA	146.8	86	ePn	17:56:52.80	-0.63
			eSn	57:11.39	-1.09
LANS	148.0	327	ePn	17:56:54.30	0.72
			eSn	57:12.30	-0.45
PKS7	153.2	224	ePnD	17:56:54.74	0.51
KOLS	160.2	52	e n	17:56:54.30	-0.80
			eSn	57:17.80	2.34
STHS	160.9	18	e n	17:56:57.90	2.72
			eSn	57:17.40	1.79
PKS6	177.3	205	ePn	17:56:59.23	2.00
PKSG	178.9	246	ePnC	17:56:57.55	0.12
AMBH	188.2	176	ePn	17:56:53.22	-5.36
CSKK	189.2	247	ePnC	17:56:59.04	0.33
			eSn	57:25.96	4.08
PKST	209.6	246	ePnC	17:57:01.34	0.09
PKS9	237.0	227	ePnD	17:57:08.60	3.93
			eSn	57:37.58	5.08*
TIH	238.5	238	ePn	17:57:08.81	3.95
MPLH	247.8	247	ePnC	17:57:06.27	0.26
MODS	247.8	279	ePn	17:57:10.70	4.68
MORH	250.1	216	ePnC	17:57:04.63	-1.67
PKSM	250.6	216	ePn	17:57:04.63	-1.73
			eSn	57:31.96	-3.55
OKC	267.5	318	ePn	17:57:08.40	-0.08
PKSV	297.3	216	ePn	17:57:12.99	0.80
SOP	303.0	262	ePn	17:57:26.98	14.07*
CONA	351.9	268	Pn	17:57:18.96	-0.05*
			Sn	57:54.11	-3.90*
KRLC	357.9	309	ePn	17:57:20.30	0.56*
ARSA	389.5	257	Pn	17:57:24.37	0.69*

Földrengés paraméterek

GOPC 472.1 296 ePn 17:57:33.60 -0.39*
 KHC 530.2 283 ePn 17:57:41.50 0.27*
 KBA 554.4 259 Pn 17:57:45.32 1.07*



189.

2014-06-04 time: 17:56:53.12 UTC ML= 3.2
 lat: 48.077N lon: 20.599E h= 3.0 km
 erh= 3.0km erz= 2.9km
 nr= 25 gap= 68 rms=1.41
 Locality: Lillafüred
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	45.9	349	ePg	17:57:02.10	0.77
			eSg	57:08.70	0.96
PSZ	55.5	251	ePg	17:57:02.62	-0.42
			eSg	57:10.10	-0.68
IZAB	85.5	310	ePg	17:57:08.30	-0.09
			eSg	57:19.60	-0.71
BSZH	90.0	196	ePg	17:57:09.15	-0.04
			eSg	57:20.96	-0.77
PENC	103.5	252	eSg	17:57:26.65	0.62
CRVS	111.7	35	eSg	17:57:27.70	-0.93
LTVH	124.3	128	ePn	17:57:14.80	-0.47
			eSn	57:31.51	-1.05
BUD	135.3	241	eSn	17:57:34.02	-0.97
VYHS	138.8	289	eSn	17:57:33.10	-2.67
TRPA	144.6	88	eSn	17:57:35.80	-1.26
LANS	145.6	325	eSn	17:57:36.80	-0.48
KOLS	156.1	52	eSn	17:57:42.90	3.30
PKS7	157.6	223	eSn	17:57:39.08	-0.86
PKS6	181.9	205	eSn	17:57:47.27	1.93
SMOL	240.2	282	eSn	17:58:03.10	4.82
PKS9	241.3	227	eSn	17:58:03.09	4.57
MODS	249.0	278	eSn	17:58:05.80	5.56
MORH	254.6	216	eSn	17:58:06.29	4.82
PKSM	255.1	216	eSn	17:58:06.48	4.90
ZST	260.6	273	e n	17:57:35.10	2.83

190.

2014-06-04 time: 20:02:03.89 UTC ML=-0.3
 lat: 47.391N lon: 18.215E h= 0.6 km
 erh= 5.7km erz=34.3km
 nr= 6 gap=227 rms=0.09
 Locality: Mór
 Comments:

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
CSKK	4.7	132	ePg	20:02:04.91	0.18
			eSg	02:05.22	-0.16
PKSG	13.3	90	ePgD	20:02:06.23	-0.03
			eSg	02:08.15	0.03
PKST	20.0	223	ePgD	20:02:07.46	-0.01
			eSg	02:10.22	-0.04

191.

2014-06-05 time: 1:44:20.26 UTC ML= 2.6
 lat: 48.070N lon: 20.573E h= 2.7 km
 erh= 2.0km erz= 1.9km
 nr= 48 gap= 49 rms=1.03
 Locality: Bükkzentkereszt
 Comments: felt 4-5 EMS

sta	dist	azm	phase	hr mn sec	res
KECS	46.4	352	ePg	1:44:29.40	0.85
			eSg	44:35.90	0.88
PSZ	53.4	252	ePgC	1:44:29.81	0.01
			eSg	44:36.99	-0.25
IZAB	84.5	311	ePg	1:44:35.30	-0.06
			eSg	44:46.90	-0.24
BSZH	88.7	195	ePgD	1:44:35.73	-0.37
			eSg	44:48.39	-0.07
PENC	101.4	252	ePg	1:44:38.02	-0.34
			eSg	44:50.92	-1.57
CRVS	113.5	35	ePg	1:44:40.70	0.18
			eSg	44:55.10	-1.23
LTVH	125.4	127	ePnC	1:44:42.16	-0.42
			eSn	44:58.83	-1.17
BUD	133.2	241	ePnD	1:44:42.77	-0.78
			eSn	45:00.23	-1.48
VYHS	137.2	290	ePn	1:44:43.60	-0.46
			eSn	45:00.30	-2.32
PKSN	140.8	202	ePn	1:44:45.03	0.53
			eSn	45:03.15	-0.27
LANS	145.2	326	ePn	1:44:45.90	0.86
			eSn	45:03.70	-0.68
TRPA	146.6	87	ePn	1:44:44.47	-0.76
			eSn	45:03.16	-1.54
PKS7	155.6	223	ePnC	1:44:46.20	-0.15
			eSn	45:06.38	-0.32
KOLS	158.1	53	ePn	1:44:47.90	1.24
SRO2	166.4	258	eSn	1:45:09.70	0.61
SRO	171.2	260	eSn	1:45:11.20	1.04
PKSG	180.2	245	ePn	1:44:50.04	0.62
			eSn	45:12.35	0.19
PKS6	180.4	205	eSn	1:45:14.93	2.74
CSKK	190.5	246	ePnC	1:44:50.58	-0.11
			eSn	45:13.75	-0.69
AMBH	191.6	177	eSn	1:45:16.65	1.97
PKS2	203.4	210	ePn	1:44:54.90	2.60
			eSn	45:21.23	3.93
PKST	210.9	245	ePn	1:44:52.39	-0.85
			eSn	45:17.51	-1.46
PKS9	239.3	226	ePn	1:44:59.72	2.94
			eSn	45:29.79	4.52*
TIH	240.2	237	ePn	1:44:56.73	-0.17
			eSn	45:27.79	2.31
MODS	247.2	278	eSn	1:45:32.80	5.78*
MPLH	249.0	246	ePnC	1:44:57.83	-0.16
			eSn	45:36.76	9.33*
MORH	252.8	215	ePnC	1:44:56.19	-2.27
			eSn	45:32.69	4.43*
PKSM	253.3	215	ePnC	1:44:56.27	-2.25
			eSn	45:33.44	5.07*
OKC	264.9	318	ePn	1:45:05.60	5.62*
PKSV	300.0	216	ePn	1:45:02.39	-1.96*
			eSn	45:47.44	8.70*
CONA	351.9	267	Pn	1:45:10.22	-0.61*
KRLC	355.6	309	ePn	1:45:11.80	0.52*
			eSn	45:50.40	-0.69*

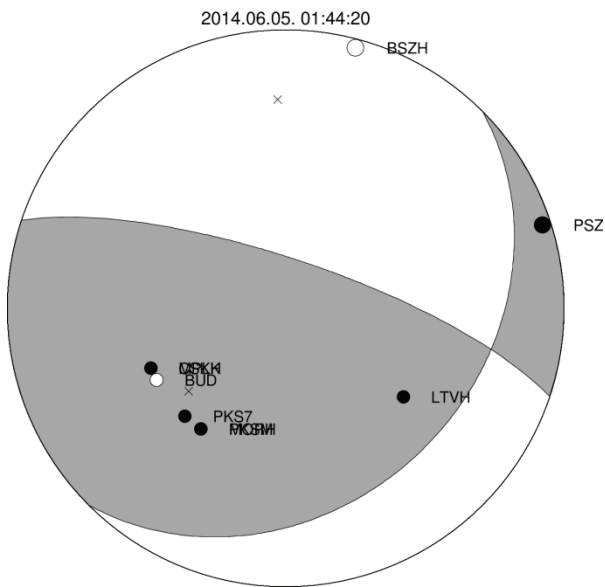
Hypocenter Parameters

ARSA 390.1 256 Pn 1:45:15.83 0.24*
 SOKA 446.1 250 Pn 1:45:23.99 1.42*
 OBKA 487.6 249 Pn 1:45:28.28 0.54*

Földrengés paraméterek

194.

2014-06-08 time: 21:57:46.69 UTC ML= 2.4
 lat: 47.849N lon: 16.215E h= 2.0 km
 erh= 1.9km erz= 1.9km
 nr= 65 gap= 50 rms=1.23
 Locality: Austria
 Comments:



sta	dist	azm	phase	hr	mn	sec	res
CONA	27.8	288	Pg	21:57:51.62			-0.06
			Sg	57:55.76			0.20
SOP	31.7	126	ePgC	21:57:53.05			0.69
			eSg	57:57.12			0.34
ZST	76.6	60	ePg	21:57:59.50			-0.88
			eSg	58:10.40			-0.66
ARSA	84.5	218	Pg	21:58:00.72			-1.07
			Sg	58:11.57			-1.99
MODS	98.3	54	ePg	21:58:03.50			-0.75
			eSg	58:17.10			-0.84
SMOL	116.7	51	ePg	21:58:07.40			-0.13
MPLH	125.1	127	ePg	21:58:08.97			-0.07
			eSg	58:26.16			-0.31
MOA	145.9	270	Pn	21:58:10.98			-0.68
			Sn	58:29.76			-1.38
PKST	151.9	116	ePnD	21:58:12.33			-0.08
			eSn	58:31.27			-1.20
SRO	157.2	91	ePn	21:58:12.60			-0.47
			eSn	58:32.60			-1.05
SOKA	158.0	214	Pn	21:58:12.75			-0.43
			Sn	58:31.65			-2.18
BEHE	159.1	165	ePn	21:58:16.12			2.81
			eSn	58:37.62			3.54
CSKK	163.0	109	ePn	21:58:13.99			0.18
			eSn	58:33.75			-1.20
SRO2	163.5	93	ePn	21:58:14.60			0.73
			eSn	58:33.40			-1.66
TIH	164.9	130	ePnD	21:58:16.26			2.22
TREC	169.5	342	ePn	21:58:14.90			0.29
			eSn	58:35.50			-0.88
PKSG	171.3	107	ePn	21:58:14.55			-0.28
			eSn	58:35.20			-1.58
OBKA	195.3	220	Pn	21:58:18.24			0.41
			Sn	58:43.51			1.40
VYHS	207.7	70	ePn	21:58:18.80			-0.58
			eSn	58:42.60			-2.27
BUD	214.9	101	ePn	21:58:24.28			4.01
PENC	229.8	92	ePn	21:58:24.45			2.33
KBA	232.8	248	Pn	21:58:23.61			1.11
			Sn	58:54.75			4.32
MYKA	237.4	235	Pn	21:58:23.99			0.92
			Sn	58:50.21			-1.24
PKS7	239.4	112	ePn	21:58:23.77			0.44
KHC	241.5	306	ePn	21:58:25.80			2.22
			eSn	58:51.70			-0.66
GOPC	252.4	335	ePn	21:58:28.90			3.96
			eSn	58:58.50			3.72
MORH	259.0	135	ePn	21:58:25.13			-0.64
			eSn	58:52.31			-3.94
PKSM	259.2	135	ePn	21:58:25.13			-0.66
			eSn	58:52.41			-3.87
OKC	262.7	33	ePn	21:58:26.70			0.47
			eSn	58:56.20			-0.87
PRU	267.6	333	ePn	21:58:28.20			1.35
			eSn	58:58.00			-0.17
PKSV	267.7	145	ePnD	21:58:26.60			-0.25
			eSn	58:56.73			-1.44
IZAB	272.0	73	ePn	21:58:26.50			-0.89
			eSn	58:57.50			-1.64
PSZ	275.3	88	ePn	21:58:28.89			1.08
			eSn	59:00.10			0.22
DPC	278.2	2	ePn	21:58:32.40			4.23
			eSn	59:07.30			6.78*
PRA	279.4	332	ePn	21:58:29.70			1.39

192.

2014-06-05 time: 8:53:32.64 UTC ML= 1.3
 lat: 47.453N lon: 18.747E h= 0.0 km
 erh= 3.6km erz= 3.5km
 nr= 12 gap=153 rms=0.61
 Locality: Etyek
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	27.7	256	ePgD	8:53:38.01			0.42
			eSg	53:40.93			-0.53
CSKK	38.1	255	ePg	8:53:38.91			-0.53
			eSg	53:44.55			-0.19
PKST	58.0	248	ePg	8:53:42.57			-0.43
			eSg	53:49.86			-1.22
MPLH	96.6	251	eSg	8:54:03.11			-0.23
VYHS	115.9	3	ePg	8:53:53.80			0.47
			eSg	54:07.40			-2.07
MORH	137.8	183	eSn	8:54:16.65			0.91
PKSM	138.3	183	eSn	8:54:16.93			1.09
IZAB	143.4	30	eSn	8:54:16.80			-0.19

193.

2014-06-07 time: 19:41:14.78 UTC ML= 2.5
 lat: 48.408N lon: 22.826E h= 7.2 km
 erh= 4.8km erz= 1.6km
 nr= 11 gap=246 rms=0.35
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
TRPA	37.5	215	ePgC	19:41:21.55			-0.06
			eSg	41:26.69			-0.24
KOLS	71.2	325	ePg	19:41:27.50			-0.06
			eSg	41:37.70			0.18
CRVS	114.6	299	ePn	19:41:34.80			-0.38
LTVH	133.2	211	ePn	19:41:37.77			0.27
			eSn	41:55.32			0.09
KECS	173.3	273	ePn	19:41:43.30			0.79
PSZ	224.8	256	ePnD	19:41:48.45			-0.48
			eSn	42:20.55			4.99*
IZAB	230.8	274	eSn	19:42:21.60			4.70*
VYHS	295.3	272	ePn	19:41:57.10			-0.62
			eSn	42:32.30			1.09*

Földrengés paraméterek

Hypocenter Parameters

	eSn	59:06.60	5.83*
LANS 280.6 59	ePn	21:58:29.20	0.74
	eSn	59:00.70	-0.34
UPC 296.0 357	ePn	21:58:35.60	5.22*
	eSn	59:11.10	6.64*
ABTA 305.7 246	Pn	21:58:38.78	7.19*
	Sn	59:15.37	8.76*
PVCC 321.2 338	ePn	21:58:34.70	1.18*
	eSn	59:18.50	8.45*
KECS 325.4 77	ePn	21:58:34.20	0.15*
WATA 353.5 261	Sn	21:59:17.11	-0.12*
NKC 382.3 314	ePn	21:58:42.80	1.66*
	eSn	59:35.70	12.09*
MOTA 388.5 262	Pn	21:58:45.95	4.04*
	Sn	59:23.66	-1.32*
CRVS 405.9 73	ePn	21:58:44.50	0.41*
RETA 411.5 264	Pn	21:58:46.90	2.12*
	Sn	59:29.37	-0.72*
DAVA 480.8 263	Pn	21:58:54.58	1.16*
	Sn	59:44.50	-0.97*

195.

2014-06-10 time: 3:41:17.24 UTC ML= 1.1
 lat: 47.935N lon: 19.181E h= 8.4 km
 erh= 2.8km erz=10.0km
 nr= 7 gap=183 rms=0.56
 Locality: Bánk
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PENC	17.8	155	ePgC	3:41:20.21			-0.54
			eSg	41:22.88			-0.60
PSZ	53.4	92	ePgD	3:41:27.33			0.45
			eSg	41:34.82			0.42
VYHS	67.2	338	ePg	3:41:30.20			0.87
			eSg	41:38.40			-0.36
IZAB	80.7	29	eSg	3:41:42.50			-0.54

196.

2014-06-10 time: 9:08:04.74 UTC ML= 1.5
 lat: 48.635N lon: 20.766E h= 0.0 km
 erh= 1.8km erz= 3.6km
 nr= 12 gap=146 rms=0.40
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	26.7	231	ePg	9:08:09.40			-0.10
			eSg	08:13.70			0.48
CRVS	59.1	60	ePg	9:08:15.70			0.40
			eSg	08:23.20			-0.33
IZAB	78.0	265	ePg	9:08:18.30			-0.37
			eSg	08:29.50			-0.05
PSZ	102.6	219	ePgD	9:08:23.04			-0.02
			eSg	08:37.22			-0.14
LANS	111.2	301	ePg	9:08:24.60			0.01
KOLS	115.6	73	eSg	9:08:41.10			-0.39
VYHS	143.3	264	ePn	9:08:30.80			1.16
			eSn	08:47.80			-1.26

197.

2014-06-10 time: 9:35:48.15 UTC ML= 0.4
 lat: 47.236N lon: 18.182E h= 0.0 km
 erh= 5.0km erz= 667km
 nr= 7 gap=219 rms=0.44
 Locality: Bakonykúti
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	11.5	283	ePgC	9:35:49.64			-0.57
			eSg	35:52.10			0.29

CSKK	15.4	23	ePg	9:35:50.45			-0.45
			eSg	35:53.09			0.05
PKSG	23.5	42	ePgC	9:35:52.32			-0.02
			eSg	35:56.12			0.51
MPLH	49.3	262	ePg	9:35:57.62			0.67

198.

2014-06-10 time: 9:45:13.19 UTC ML= 0.3
 lat: 47.175N lon: 18.218E h= 0.0 km
 erh= 1.9km erz= 248km
 nr= 6 gap=275 rms=0.15
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	16.7	304	ePgC	9:45:16.16			-0.02
			eSg	45:18.62			0.11
CSKK	21.1	9	ePg	9:45:16.77			-0.19
			eSg	45:19.66			-0.25
PKSG	27.4	29	ePgC	9:45:18.22			0.14
			eSg	45:22.05			0.15

199.

2014-06-10 time: 12:14:12.55 UTC ML= 1.7
 lat: 48.472N lon: 19.373E h= 0.0 km
 erh= 1.6km erz= 600km
 nr= 12 gap= 92 rms=0.49
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
IZAB	27.3	67	ePg	12:14:17.80			0.37
			eSg	14:21.90			0.67
VYHS	39.8	274	ePg	12:14:19.70			0.04
			eSg	14:24.70			-0.50
PSZ	72.7	148	ePg	12:14:25.73			0.19
			eSg	14:34.82			-0.86
LANS	75.8	5	ePg	12:14:26.50			0.41
			eSg	14:35.40			-1.24
PENC	76.1	185	ePg	12:14:26.45			0.31
			eSg	14:36.22			-0.51
KECS	82.3	89	ePg	12:14:26.80			-0.44
			eSg	14:37.10			-1.60

200.

2014-06-10 time: 12:57:24.52 UTC ML= 0.5
 lat: 47.198N lon: 18.205E h= 0.0 km
 erh= 1.6km erz= 543km
 nr= 10 gap=135 rms=0.42
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	14.6	298	ePgD	12:57:26.95			-0.17
			eSg	57:29.32			0.17
CSKK	18.9	13	ePgD	12:57:27.64			-0.25
			eSg	57:29.43			-1.09
PKSG	25.8	33	ePg	12:57:29.70			0.58
			eSg	57:32.93			0.22
MORH	114.2	163	ePg	12:57:45.40			0.49
			eSg	58:00.86			0.04
PKSM	114.6	163	ePg	12:57:45.12			0.14
			eSg	58:00.23			-0.70

Hypocenter Parameters

Földrengés paraméterek

201.

2014-06-10 time: 20:29:18.73 UTC ML= 1.3
 lat: 48.399N lon: 22.698E h= 2.8 km
 erh= 9.0km erz=84.9km
 nr= 5 gap=229 rms=0.45
 Locality: Ukraine
 Comments:

sta	dist	azm	phase	hr mn sec	res
TRPA	32.1	202	ePgC	20:29:24.02	-0.47
			eSg	29:29.13	0.15
KOLS	67.2	332	eSg	20:29:40.10	0.00
CRVS	107.0	302	ePg	20:29:38.60	0.76
			eSg	29:52.50	-0.24

202.

2014-06-11 time: 6:54:05.05 UTC ML= 0.4
 lat: 47.354N lon: 18.396E h= 0.0 km
 erh= 4.7km erz= 614km
 nr= 6 gap=255 rms=0.38
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.2	354	ePgC	6:54:05.63	-0.17
			eSg	54:06.07	-0.31
CSKK	10.3	275	ePg	6:54:07.05	0.16
			eSg	54:08.52	0.19
PKST	29.4	249	ePgC	6:54:10.74	0.45
			eSg	54:13.50	-0.88

203.

2014-06-11 time: 6:54:36.92 UTC ML= 0.5
 lat: 47.429N lon: 18.395E h= 0.0 km
 erh= 3.0km erz= 374km
 nr= 6 gap=309 rms=0.22
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.1	185	ePgC	6:54:37.74	0.09
			eSg	54:38.18	-0.04
CSKK	12.5	234	ePg	6:54:39.17	0.02
			eSg	54:40.43	-0.45
PKST	33.1	235	ePgC	6:54:42.74	-0.09
			eSg	54:47.93	0.48

204.

2014-06-11 time: 6:55:05.02 UTC ML= 0.7
 lat: 47.445N lon: 18.436E h= 0.0 km
 erh= 4.4km erz= 410km
 nr= 6 gap=334 rms=0.24
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.8	210	ePgC	6:55:06.36	0.12
			eSg	55:07.00	-0.18
CSKK	16.0	236	ePgC	6:55:07.85	-0.04
			eSg	55:09.78	-0.34
PKST	36.7	236	ePgC	6:55:11.55	-0.03
			eSg	55:17.47	0.78

205.

2014-06-11 time: 6:55:38.16 UTC ML= 0.7
 lat: 47.462N lon: 18.409E h= 0.0 km
 erh= 4.3km erz= 490km
 nr= 6 gap=319 rms=0.29
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.9	190	ePgC	6:55:39.74	0.17
			eSg	55:40.45	-0.22
CSKK	15.7	226	ePgD	6:55:41.10	0.14
			eSg	55:42.70	-0.44
PKST	36.2	231	ePgC	6:55:44.38	-0.24
			eSg	55:50.24	0.58

206.

2014-06-12 time: 9:19:20.81 UTC ML= 1.5
 lat: 47.902N lon: 19.385E h= 0.0 km
 erh= 2.7km erz= 762km
 nr= 7 gap=125 rms=0.50
 Locality: Becske
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.6	212	ePgD	9:19:23.40	-0.01
			eSg	19:25.48	0.04
PSZ	38.1	87	ePg	9:19:27.29	-0.32
			eSg	19:33.26	0.34
VYHS	77.5	328	ePg	9:19:34.50	-0.15
IZAB	78.1	18	ePg	9:19:35.70	0.95
			eSg	19:44.60	-1.03

207.

2014-06-12 time: 11:35:28.05 UTC ML= 0.1
 lat: 47.206N lon: 18.298E h= 0.0 km
 erh= 1.7km erz= 214km
 nr= 6 gap=268 rms=0.13
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.8	351	ePgC	11:35:31.19	-0.03
			eSg	35:33.43	-0.26
PKST	20.8	287	ePg	11:35:31.83	0.06
			eSg	35:34.68	0.01
PKSG	21.9	19	ePg	11:35:31.92	-0.03
			eSg	35:35.29	0.29

208.

2014-06-13 time: 6:09:22.88 UTC ML= 0.5
 lat: 47.329N lon: 18.410E h= 0.0 km
 erh= 5.1km erz= 687km
 nr= 6 gap=267 rms=0.41
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.1	348	ePgC	6:09:24.01	-0.14
			eSg	09:24.60	-0.54
CSKK	11.9	288	ePgC	6:09:25.34	0.33
			eSg	09:27.03	0.35
PKST	29.5	255	ePgC	6:09:28.39	0.24
			eSg	09:31.26	-1.00

Földrengés paraméterek

Hypocenter Parameters

209.

eSg 06:06.50 -0.19

2014-06-13 time: 6:09:55.70 UTC ML= 0.7
 lat: 47.411N lon: 18.341E h= 0.0 km
 erh= 6.8km erz= 616km
 nr= 6 gap=246 rms=0.38
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	4.3	120	ePgC	6:09:56.26			-0.21
			eSg	09:56.87			-0.21
CSKK	8.1	229	ePgd	6:09:57.60			0.46
			eSg	09:58.70			0.43
PKST	28.7	234	ePgC	6:10:00.80			-0.02
			eSg	10:04.01			-0.81

210.

2014-06-13 time: 7:32:59.55 UTC ML= 1.0
 lat: 47.305N lon: 18.697E h= 0.0 km
 erh= 6.3km erz= 542km
 nr= 5 gap=332 rms=0.25
 Locality: Kajászó
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	25.1	293	ePg	7:33:04.34			0.31
			eSg	33:07.64			0.11
CSKK	33.6	281	ePg	7:33:05.24			-0.32
			eSg	33:10.02			-0.22
PKST	50.4	264	eSg	7:33:15.69			0.11

211.

2014-06-13 time: 17:37:06.52 UTC ML= 1.5
 lat: 48.061N lon: 20.579E h= 7.2 km
 erh= 3.6km erz= 2.7km
 nr= 11 gap=218 rms=0.52
 Locality: Bükkszentkereszt
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KECS	47.4	352	ePg	17:37:15.50			0.41
			eSg	37:21.80			0.03
PSZ	53.5	253	ePg	17:37:16.18			0.02
			eSg	37:23.77			0.10
IZAB	85.5	311	ePg	17:37:21.40			-0.45
			eSg	37:31.50			-2.30
PENC	101.5	253	ePg	17:37:24.92			0.23
			eSg	37:37.54			-1.32
CRVS	114.0	35	ePn	17:37:26.60			-0.26
VYHS	138.0	290	ePn	17:37:30.70			0.85
			eSn	37:47.30			-0.74

212.

2014-06-14 time: 6:05:40.79 UTC ML= 1.2
 lat: 48.057N lon: 19.593E h= 0.0 km
 erh= 2.9km erz= ***km
 nr= 10 gap= 94 rms=0.85
 Locality: Nagylóc
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	27.2	124	ePgC	6:05:45.07			-0.58
			eSg	05:47.99			-1.46
PENC	37.7	218	ePg	6:05:47.45			-0.06
			eSg	05:53.94			1.18
IZAB	57.6	9	ePg	6:05:50.80			-0.28
			eSg	05:59.30			0.19
VYHS	74.3	311	ePg	6:05:54.50			0.44
			eSg	06:03.40			-1.02
KECS	81.5	54	ePg	6:05:57.10			1.76

213.

2014-06-15 time: 23:16:10.45 UTC ML= 0.6
 lat: 47.379N lon: 18.423E h= 8.0 km
 erh= 2.5km erz= 1.6km
 nr= 8 gap=231 rms=0.15
 Locality: Gánt
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	2.8	301	ePgC	23:16:12.06			0.09
			eSg	16:12.67			-0.48
CSKK	12.4	262	ePgC	23:16:13.20			0.12
			eSg	16:14.88			-0.25
PKST	32.2	246	ePg	23:16:16.46			0.08
			eSg	16:20.98			-0.03
MORH	130.4	173	eSn	23:16:50.08			-0.01
PKSM	130.8	173	eSn	23:16:50.15			-0.03

214.

2014-06-16 time: 10:07:08.84 UTC ML= 1.8
 lat: 48.478N lon: 19.331E h= 0.0 km
 erh= 2.9km erz= 7.1km
 nr= 11 gap= 95 rms=1.12
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
IZAB	29.9	70	ePg	10:07:14.50			0.31
			eSg	07:18.80			0.44
VYHS	36.6	273	ePg	10:07:16.10			0.72
			eSg	07:21.00			0.51
PSZ	75.0	146	ePg	10:07:23.88			1.66
			eSg	07:31.20			-1.46
LANS	75.5	8	eSg	10:07:32.90			0.06
PENC	76.5	183	eSg	10:07:32.69			-0.46
KECS	85.4	90	ePg	10:07:23.50			-0.58
			eSg	07:33.50			-2.47
MODS	152.5	266	eSn	10:07:52.40			-2.79

215.

2014-06-16 time: 10:30:38.84 UTC ML= 1.4
 lat: 47.583N lon: 16.341E h= 2.5 km
 erh= 1.4km erz= 2.2km
 nr= 11 gap=122 rms=0.39
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	19.8	56	ePgC	10:30:42.34			-0.06
			eSg	30:45.23			0.04
CONA	52.6	317	Pg	10:30:48.55			0.31
			Sg	30:54.97			-0.60
ARSA	71.9	239	Pg	10:30:51.89			0.21
			Sg	31:01.21			-0.50
MPLH	101.5	117	ePg	10:30:56.90			-0.07
			eSg	31:11.41			0.30
PKST	132.8	106	ePn	10:31:01.64			-0.46
MOA	158.5	281	Pn	10:31:06.70			1.40
			Sn	31:26.19			0.24

216.

2014-06-16 time: 10:44:33.84 UTC ML= 2.0
 lat: 48.247N lon: 21.249E h= 6.3 km
 erh= 1.6km erz= 1.7km
 nr= 15 gap=152 rms=0.42
 Locality: Tállya
 Comments:

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
KECS	62.4	295	ePg	10:44:44.90	-0.14
			eSg	44:53.00	-0.77
CRVS	74.5	12	ePg	10:44:47.30	0.11
			eSg	44:57.50	-0.10
TRPA	96.8	98	ePg	10:44:50.91	-0.25
			eSg	45:04.74	0.07
KOLS	107.3	45	ePg	10:44:53.50	0.46
			eSg	45:07.40	-0.62
PSZ	107.4	250	ePgC	10:44:53.30	0.25
			eSg	45:08.19	0.16
IZAB	119.3	287	ePn	10:44:54.80	-0.15
			eSn	45:10.20	-1.20
PENC	155.3	251	ePn	10:44:59.05	-0.39
			eSn	45:24.25	4.84*
LANS	165.2	307	eSn	10:45:22.50	0.90
VYHS	180.9	279	ePn	10:45:03.10	0.47

217.

2014-06-17 time: 10:34:50.18 UTC ML= 1.2
 lat: 48.334N lon: 19.848E h= 0.0 km
 erh= 1.9km erz= 624km
 nr= 9 gap=108 rms=0.47
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
IZAB	27.9	339	ePg	10:34:55.40	0.23
			eSg	34:59.30	0.24
PSZ	46.4	176	ePgD	10:34:58.69	0.22
			eSg	35:05.30	0.37
KECS	50.0	71	ePg	10:34:58.70	-0.41
			eSg	35:05.80	-0.28
VYHS	77.0	283	ePg	10:35:03.50	-0.43
			eSg	35:13.10	-1.55
LANS	95.0	343	ePg	10:35:07.70	0.56

218.

2014-06-17 time: 12:10:04.26 UTC ML= 0.4
 lat: 47.187N lon: 18.297E h= 0.0 km
 erh= 2.2km erz= 270km
 nr= 6 gap=275 rms=0.16
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.7	352	ePg	12:10:07.86	0.08
			eSg	10:10.06	-0.47
PKST	21.4	292	ePgC	12:10:08.08	-0.01
			eSg	10:11.17	0.09
PKSG	23.8	17	ePg	12:10:08.43	-0.08
			eSg	10:12.02	0.20

219.

2014-06-18 time: 6:54:33.25 UTC ML= 0.8
 lat: 47.435N lon: 18.441E h= 0.0 km
 erh= 6.9km erz= 570km
 nr= 6 gap=339 rms=0.34
 Locality: Csákvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.2	218	ePgC	6:54:34.54	0.19
			eSg	54:35.18	-0.03
CSKK	15.8	240	ePgD	6:54:35.94	-0.14
			eSg	54:37.36	-0.92
PKST	36.5	237	ePg	6:54:39.76	0.00
			eSg	54:45.42	0.58

220.

2014-06-18 time: 6:55:24.11 UTC ML= 0.5
 lat: 47.422N lon: 18.367E h= 0.0 km
 erh= 1.8km erz= 206km
 nr= 6 gap=277 rms=0.12
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	3.8	152	ePgC	6:55:24.78	-0.02
			eSg	55:25.36	0.02
CSKK	10.3	231	ePgD	6:55:26.16	0.20
			eSg	55:27.38	-0.02
PKST	31.0	234	ePg	6:55:29.48	-0.16
			eSg	55:33.87	-0.09

221.

2014-06-18 time: 7:01:01.61 UTC ML= 0.7
 lat: 47.430N lon: 18.384E h= 0.0 km
 erh= 0.3km erz= 34.2km
 nr= 5 gap=299 rms=0.02
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.3	173	ePgC	7:01:02.37	0.00
			eSg	01:02.97	0.00
CSKK	11.9	231	ePgD	7:01:03.76	0.02
			eSg	01:05.39	0.00
PKST	32.5	234	ePg	7:01:07.40	-0.02

222.

2014-06-18 time: 11:00:01.09 UTC ML= 0.9
 lat: 47.202N lon: 18.345E h= 0.0 km
 erh= 3.4km erz= 540km
 nr= 8 gap=257 rms=0.39
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.0	340	ePg	11:00:04.39	-0.10
			eSg	00:06.89	-0.26
PKSG	21.4	9	ePg	11:00:04.59	-0.32
			eSg	00:08.73	0.84
PKST	24.4	285	ePg	11:00:05.68	0.23
			eSg	00:08.20	-0.64
MPLH	61.2	267	ePg	11:00:12.03	0.01
			eSg	00:21.00	0.46

223.

2014-06-18 time: 22:39:10.39 UTC ML= 1.1
 lat: 46.298N lon: 19.706E h= 7.1 km
 erh= 3.7km erz= 2.0km
 nr= 16 gap=266 rms=0.56
 Locality: Öttömös
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS6	35.3	342	ePg	22:39:16.45	-0.37
			eSg	39:22.07	0.24
PKS2	43.6	300	ePg	22:39:19.02	0.74
			eSg	39:26.19	1.75
MORH	82.4	264	ePg	22:39:24.57	-0.59
			eSg	39:36.92	0.24
PKSM	82.7	263	ePg	22:39:24.59	-0.62
			eSg	39:37.58	0.82
PKS7	93.2	333	ePg	22:39:26.98	-0.10
			eSg	39:39.61	-0.48
PKS9	114.3	286	ePn	22:39:30.57	-0.20
			eSn	39:46.17	-0.50

Földrengés paraméterek

PKSV 121.3 248 ePn 22:39:31.51 -0.14
 PKSG 157.7 320 ePn 22:39:37.20 1.02
 eSn 39:55.73 -0.57
 PKST 166.5 310 ePn 22:39:37.95 0.67

224.

2014-06-20 time: 21:01:47.70 UTC ML= 1.9
 lat: 46.051N lon: 16.268E h= 14.0 km
 erh= 2.7km erz= 1.8km
 nr= 33 gap=151 rms=0.91
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	44.2	358	iPgD	21:01:55.64			-0.34
			eSg	02:01.17			-1.27
GOLS	50.0	265	iPg	21:01:57.19			0.21
GCIS	53.7	248	iPg	21:01:57.86			0.25
BEHE	60.9	40	ePg	21:02:03.59			4.74
			eSg	02:09.59			2.04
DOBS	62.8	280	iPg	21:01:59.18			0.00
CESS	62.9	262	iPg	21:01:59.63			0.42
			eSg	02:06.79			-1.40
CRES	67.7	248	iPg	21:02:00.03			-0.01
LEGS	74.5	261	iPg	21:02:01.20			-0.03
GROS	74.6	308	iPg	21:02:00.77			-0.49
PERS	110.0	306	iPn	21:02:06.26			-0.40
			eSn	02:19.84			-1.60
BISS	110.1	307	iPn	21:02:06.23			-0.44
			eSn	02:19.46			-2.01
SOKA	117.9	306	Pn	21:02:08.39			0.74
			Sn	02:21.36			-1.85
OBKA	142.0	291	Pn	21:02:12.09			1.44
			Sn	02:29.88			1.33
ARSA	145.1	337	Pn	21:02:11.77			0.74
			Sn	02:28.90			-0.33
PKSV	154.8	97	ePn	21:02:11.59			-0.66
			eSn	02:32.56			1.16
MPLH	158.0	38	ePn	21:02:14.60			1.95
			eSn	02:34.12			2.01
PKS9	165.9	69	ePn	21:02:19.13			5.49*
PKSM	184.3	84	ePnC	21:02:15.12			-0.80
			eSn	02:35.23			-2.71
MORH	184.5	84	ePnC	21:02:15.07			-0.89
			eSn	02:35.34			-2.65
PKST	190.6	45	ePnC	21:02:16.87			0.16
CONA	211.0	352	Pn	21:02:19.89			0.63
			Sn	02:50.56			6.69*
MOA	251.4	323	Pn	21:02:26.14			1.84
VYHS	334.0	36	ePn	21:02:34.50			-0.09*
			eSn	03:06.80			-4.37*

225.

2014-06-20 time: 23:42:08.85 UTC ML= 1.0
 lat: 45.739N lon: 18.346E h= 0.9 km
 erh= 1.0km erz=15.3km
 nr= 8 gap=313 rms=0.29
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	18.2	336	ePgD	23:42:11.70			-0.40
			eSg	42:14.02			-0.61
PKSM	57.4	24	ePgD	23:42:19.30			0.21
			eSg	42:26.96			-0.12
MORH	57.9	24	ePgD	23:42:19.34			0.16
			eSg	42:27.09			-0.15
PKS9	94.4	357	ePgD	23:42:26.00			0.29
			eSg	42:39.07			0.20

Hypocenter Parameters

226.

2014-06-22 time: 3:43:04.33 UTC ML= 1.9
 lat: 45.805N lon: 20.644E h= 6.2 km
 erh= 3.6km erz= 4.5km
 nr= 20 gap= 90 rms=0.64
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BZS	78.6	105	Pg	3:43:19.30			0.90
			eSg	43:28.50			-0.88
FRGS	99.0	221	Pg	3:43:22.00			-0.03
			eSg	43:35.00			-0.84
PKS6	121.4	317	ePnD	3:43:25.45			-0.25
			eSn	43:42.67			0.29
PKS2	134.3	305	ePn	3:43:27.01			-0.30
			eSn	43:46.46			1.21
PKSN	135.3	334	ePn	3:43:27.55			0.11
			eSn	43:45.44			-0.02
MORH	161.5	286	ePnD	3:43:30.36			-0.34
			eSn	43:52.52			1.25
PKSM	161.6	286	ePnD	3:43:30.34			-0.37
			eSn	43:51.68			0.39
PKSV	186.0	273	ePn	3:43:35.39			1.63
			eSn	44:00.66			3.94*
DRGR	193.4	55	Pn	3:43:33.80			-0.88
DIVS	196.6	195	Pn	3:43:35.00			-0.07
PKS9	202.2	295	eSn	3:43:59.39			-0.92
PKSG	246.8	316	ePn	3:43:41.14			-0.20
			eSn	44:15.05			4.84*
PKST	257.3	309	ePn	3:43:42.91			0.26

227.

2014-06-22 time: 21:42:11.03 UTC ML= 3.2
 lat: 45.574N lon: 21.503E h= 0.4 km
 erh= 5.2km erz= 3.1km
 nr= 21 gap=269 rms=0.82
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
AMBH	105.2	325	ePgD	21:42:30.05			0.23
			eSg	42:43.51			-0.96
PKS6	188.4	307	ePnD	21:42:41.16			-0.34
			eSn	43:01.90			-3.36
PKSN	193.8	319	ePn	21:42:43.30			1.13
			eSn	43:07.74			1.28
LTVH	203.6	9	ePnD	21:42:43.63			0.24
			eSn	43:07.11			-1.52
BSZH	214.0	334	ePn	21:42:44.69			-0.01
			eSn	43:14.95			3.99*
MORH	233.1	288	ePnD	21:42:46.28			-0.79
			eSn	43:16.55			1.36
PKSM	233.2	288	ePn	21:42:46.36			-0.72
			eSn	43:17.20			1.99
PKS7	243.7	312	ePn	21:42:48.43			0.04
			eSn	43:19.07			1.53
PKSV	255.5	278	ePn	21:42:49.11			-0.75
			eSn	43:24.16			4.00*
PKS9	273.7	294	ePnD	21:42:51.59			-0.54
PSZ	288.1	335	ePnD	21:42:53.08			-0.85
			eSn	43:30.16			2.76*
PENC	299.3	325	ePn	21:42:54.67			-0.66*
			eSn	43:31.49			1.60*
PKSG	313.0	310	ePnD	21:42:56.24			-0.79*
			eSn	43:39.95			7.03*
TIH	315.1	298	ePn	21:42:56.81			-0.48*
			eSn	43:31.60			-1.78*
CSKK	318.7	309	ePnD	21:42:57.20			-0.55*
			eSn	43:42.10			7.91*
PKST	325.9	305	ePn	21:42:58.16			-0.48*
			eSn	43:31.63			-4.16*
KECS	332.5	347	ePn	21:43:00.00			0.53*

Hypocenter Parameters

SRO 348.6 316 ePn 21:43:01.40 -0.07*
 MPLH 352.8 300 ePn 21:43:02.08 0.08*
 eSn 43:36.51 -5.26*
 CRVS 370.0 360 ePn 21:43:03.80 -0.34*
 KOLS 378.0 9 ePn 21:43:05.10 -0.03*
 eSn 43:58.10 10.76*
 VYHS 382.7 328 ePn 21:43:05.10 -0.63*
 LANS 426.3 339 ePn 21:43:11.80 0.64*
 MODS 447.5 314 ePn 21:43:12.50 -1.31*
 eSn 43:55.50 -7.28*
 ARSA 496.1 292 Pn 21:43:18.12 -1.75*
 Sn 44:08.04 -5.53*
 CONA 504.3 301 Pn 21:43:20.98 0.09*
 Sn 44:08.13 -7.25*
 SOKA 515.0 284 Pn 21:43:20.97 -1.25*
 Sn 44:11.16 -6.59*
 OKC 536.8 332 ePn 21:43:24.70 -0.24*
 MOA 608.5 295 Pn 21:43:34.31 0.43*
 KHC 717.6 303 ePn 21:43:45.90 -1.58*
 eSn 44:54.80 -7.92*

228.

2014-06-24 time: 9:04:44.42 UTC ML= 0.7
 lat: 47.104N lon: 17.980E h= 10.0 km
 erh= 1.8km erz= 1.8km
 nr= 13 gap=109 rms=0.40
 Locality: Litér
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	17.7	13	ePgD	9:04:47.10			-0.94
			eSg	04:51.48			0.61
TIH	23.7	196	ePg	9:04:48.83			-0.18
			eSg	04:52.94			0.35
MPLH	34.2	282	ePg	9:04:50.81			0.02
			eSg	04:56.31			0.55
CSKK	35.7	36	ePg	9:04:51.24			0.19
			eSg	04:56.64			0.42
PKSG	44.6	44	eSg	9:04:59.11			0.18
MORH	111.1	153	ePn	9:05:04.13			0.11
			eSn	05:18.91			-0.40
PKSM	111.4	153	ePn	9:05:04.13			0.07
			eSn	05:19.71			0.33

229.

2014-06-24 time: 10:28:12.60 UTC ML= 0.8
 lat: 47.104N lon: 17.993E h= 10.0 km
 erh= 2.4km erz= 2.5km
 nr= 12 gap=110 rms=0.53
 Locality: Litér
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKST	17.5	10	ePgC	10:28:15.25			-0.94
			eSg	28:18.72			-0.28
TIH	23.9	198	ePg	10:28:17.23			0.00
			eSg	28:22.09			1.24
MPLH	35.2	282	ePg	10:28:19.15			0.02
			eSg	28:24.64			0.42
CSKK	35.2	35	eSg	10:28:24.88			0.65
PKSG	43.9	43	eSg	10:28:27.57			0.65
MORH	110.6	153	ePn	10:28:32.21			0.06
			eSn	28:47.36			-0.04
PKSM	110.9	153	ePn	10:28:32.28			0.09
			eSn	28:46.56			-0.91

Földrengés paraméterek

230.

2014-06-24 time: 11:09:32.23 UTC ML= 1.5
 lat: 48.050N lon: 19.612E h= 0.0 km
 erh= 1.1km erz= 375km
 nr= 9 gap= 96 rms=0.28
 Locality: Nagylóc
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	25.7	125	ePgC	11:09:36.68			-0.14
			eSg	09:40.43			0.04
PENC	37.9	221	ePgC	11:09:39.01			0.00
			eSg	09:44.58			0.29
IZAB	58.2	7	ePg	11:09:42.90			0.28
			eSg	09:51.50			0.77
VYHS	75.9	311	ePg	11:09:45.80			0.02
			eSg	09:55.90			-0.44
KECS	80.8	53	ePg	11:09:46.30			-0.36

231.

2014-06-24 time: 11:18:49.32 UTC ML= 1.1
 lat: 48.056N lon: 19.655E h= 0.0 km
 erh= 1.9km erz= 537km
 nr= 7 gap= 93 rms=0.37
 Locality: Sósartyán
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	23.6	131	ePgC	11:18:53.61			0.08
			eSg	18:56.63			-0.18
PENC	40.6	223	ePg	11:18:55.82			-0.76
			eSg	19:02.72			0.49
IZAB	57.2	4	ePg	11:18:59.90			0.37
KECS	77.8	52	ePg	11:19:03.40			0.18
VYHS	77.9	309	ePg	11:19:03.00			-0.22

232.

2014-06-25 time: 11:05:35.73 UTC ML= 0.2
 lat: 47.195N lon: 18.315E h= 0.0 km
 erh= 2.4km erz= 321km
 nr= 6 gap=274 rms=0.19
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.2	348	ePg	11:05:39.37			0.22
			eSg	05:41.76			-0.06
PKST	22.4	289	ePg	11:05:39.91			0.18
			eSg	05:42.58			-0.27
PKSG	22.6	15	ePg	11:05:39.55			-0.22
			eSg	05:42.98			0.05

233.

2014-06-26 time: 11:11:47.07 UTC ML= 0.6
 lat: 47.229N lon: 18.314E h= 0.0 km
 erh= 4.5km erz= 733km
 nr= 8 gap=246 rms=0.54
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	15.4	345	ePg	11:11:49.37			-0.45
			eSg	11:51.88			-0.10
PKSG	19.0	18	ePgC	11:11:50.78			0.32
			eSg	11:53.55			0.44
PKST	21.4	279	ePg	11:11:50.42			-0.47
			eSg	11:53.22			-0.65
MPLH	59.0	264	ePg	11:11:57.73			0.12
			eSg	12:07.52			1.69

Földrengés paraméterek

Hypocenter Parameters

234.

2014-06-26 time: 23:09:23.65 UTC ML= 1.6
 lat: 46.055N lon: 17.070E h= 12.7 km
 erh= 3.5km erz= 4.4km
 nr= 19 gap=157 rms=0.71
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	51.4	334	ePg	23:09:30.80	-2.31
			eSg	09:40.77	0.28
KOGS	76.9	305	Pg	23:09:37.90	0.34
			eSg	09:48.40	-0.02
PTJ	87.9	259	Pg	23:09:39.90	0.39
			eSg	09:51.20	-0.69
PKSV	93.4	101	eP*	23:09:40.91	0.48
PKS9	110.3	58	ePnD	23:09:42.28	-0.53
			eSn	09:58.08	0.32
TIH	113.2	34	ePn	23:09:42.49	-0.69
			eSn	09:56.64	-1.77
PKSM	122.6	82	ePnC	23:09:43.97	-0.39
			eSn	10:01.63	1.12
MORH	122.9	82	ePnC	23:09:43.98	-0.41
			eSn	10:01.24	0.67
MPLH	129.1	16	ePn	23:09:45.22	0.06
			eSn	10:01.59	-0.34
PKST	152.8	29	ePnC	23:09:49.59	1.47
			eSn	10:08.10	0.89
PKS2	172.2	74	eSn	23:10:15.81	4.31*

235.

2014-06-27 time: 7:20:40.42 UTC ML= 0.5
 lat: 47.412N lon: 18.370E h= 0.0 km
 erh= 3.8km erz= 394km
 nr= 5 gap=268 rms=0.18
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	2.7	144	ePg	7:20:40.83	-0.08
			eSg	20:41.31	0.03
CSKK	9.9	237	ePg	7:20:42.26	0.08
			eSg	20:43.22	-0.33
PKST	30.5	236	eSg	7:20:50.39	0.27

236.

2014-06-27 time: 7:21:32.57 UTC ML= 0.7
 lat: 47.432N lon: 18.429E h= 0.0 km
 erh= 6.3km erz= 613km
 nr= 6 gap=334 rms=0.37
 Locality: Csákvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.4	213	ePg	7:21:33.50	-0.03
			eSg	21:34.00	-0.27
CSKK	14.9	239	ePg	7:21:34.95	-0.28
			eSg	21:36.88	-0.42
PKST	35.5	237	ePg	7:21:39.29	0.38
			eSg	21:44.55	0.69

237.

2014-06-27 time: 7:31:19.35 UTC ML= 0.6
 lat: 47.450N lon: 18.388E h= 0.0 km
 erh= 5.8km erz= 730km
 nr= 6 gap=307 rms=0.42
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res

PKSG	6.4	178	ePgC	7:31:20.69	0.19
			eSg	31:21.24	-0.15
CSKK	13.6	225	ePg	7:31:22.05	0.27
			eSg	31:23.32	-0.35
PKST	34.1	232	ePg	7:31:24.76	-0.68
			eSg	31:30.88	0.69

238.

2014-06-27 time: 7:31:58.05 UTC ML= 0.7
 lat: 47.430N lon: 18.361E h= 0.0 km
 erh= 4.0km erz= 489km
 nr= 6 gap=279 rms=0.28
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.8	152	ePgC	7:31:58.90	-0.01
			eSg	31:59.54	-0.03
CSKK	10.6	226	ePg	7:31:59.63	-0.31
			eSg	32:01.79	0.38
PKST	31.1	232	ePg	7:32:03.97	0.36
			eSg	32:07.53	-0.41

239.

2014-06-27 time: 9:08:53.82 UTC ML= 0.8
 lat: 45.962N lon: 18.249E h= 0.0 km
 erh= 3.1km erz= 209km
 nr= 6 gap=229 rms=0.13
 Locality: Szalánta
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	8.2	178	ePg	9:08:55.43	0.15
			eSg	08:56.13	-0.29
PKSM	41.1	48	ePg	9:09:01.13	-0.03
			eSg	09:06.93	0.04
MORH	41.6	47	ePg	9:09:01.18	-0.07
			eSg	09:07.15	0.11

240.

2014-06-27 time: 10:37:47.92 UTC ML= 1.1
 lat: 48.132N lon: 20.105E h= 10.0 km
 erh= 4.3km erz=21.9km
 nr= 6 gap=178 rms=0.55
 Locality: Zabar
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	28.5	214	ePg	10:37:53.05	-0.25
			eSg	37:57.46	-0.04
KECS	48.2	36	eSg	10:38:03.20	-0.36
IZAB	56.7	329	ePg	10:37:59.10	0.91
			eSg	38:06.50	0.30
VYHS	102.4	293	eSg	10:38:19.80	-0.82

241.

2014-06-28 time: 0:12:04.15 UTC ML= 0.8
 lat: 48.102N lon: 20.455E h= 1.1 km
 erh= 6.0km erz= 6.0km
 nr= 8 gap=241 rms=0.75
 Locality: Nagyvisnyó
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	42.5	3	ePg	0:12:11.30	-0.45
			eSg	12:17.70	0.03
PSZ	46.5	244	ePg	0:12:12.07	-0.39
			eSg	12:19.68	0.74
IZAB	75.7	313	ePg	0:12:17.40	-0.27
			eSg	12:28.20	-0.01

Hypocenter Parameters

VYHS 127.8 290 ePn 0:12:28.40 1.43
eSn 12:42.20 -2.57

242.

2014-06-28 time: 10:59:19.54 UTC ML= 1.3
lat: 48.443N lon: 19.538E h= 10.0 km
erh= 2.1km erz= 7.6km
nr= 9 gap=121 rms=0.55
Locality: Slovakia
Comments:

sta	dist	azm	phase	hr mn sec	res
IZAB	19.0	43	ePg	10:59:23.10	-0.28
			eSg	59:27.00	0.63
VYHS	52.2	276	ePg	10:59:28.90	-0.13
			eSg	59:36.20	-0.24
PSZ	64.1	156	ePgC	10:59:32.18	1.05
			eSg	59:40.09	-0.07
KECS	70.2	86	ePg	10:59:31.60	-0.61
			eSg	59:41.50	-0.59
LANS	78.8	356	eSg	10:59:44.80	0.00

243.

2014-07-01 time: 7:25:27.86 UTC ML= 1.0
lat: 47.469N lon: 18.400E h= 0.0 km
erh= 3.9km erz= 395km
nr= 6 gap=315 rms=0.24
Locality: Várgesztes
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.6	185	ePgC	7:25:29.53	0.13
			eSg	25:30.18	-0.43
CSKK	15.8	222	ePgC	7:25:30.80	0.11
			eSg	25:32.54	-0.35
PKST	36.2	230	ePg	7:25:34.11	-0.22
			eSg	25:39.97	0.60

244.

2014-07-01 time: 7:33:10.63 UTC ML= 0.7
lat: 47.284N lon: 18.396E h= 0.0 km
erh= 7.2km erz= ***km
nr= 6 gap=266 rms=0.60
Locality: Zámoly
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	12.0	358	ePgC	7:33:12.68	-0.11
			eSg	33:13.41	-1.05
CSKK	13.5	311	ePgD	7:33:14.04	0.99
			eSg	33:14.97	0.03
PKST	27.5	264	ePgC	7:33:15.50	-0.05
			eSg	33:18.79	-0.59

245.

2014-07-01 time: 7:33:41.82 UTC ML= 0.6
lat: 47.412N lon: 18.359E h= 0.0 km
erh= 9.9km erz= 913km
nr= 5 gap=257 rms=0.42
Locality: Gánt
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	3.3	133	ePgC	7:33:42.35	-0.06
			eSg	33:42.90	0.04
CSKK	9.2	234	ePgD	7:33:43.68	0.22
			eSg	33:45.14	0.40
PKST	29.8	235	eSg	7:33:50.11	-1.20

Földrengés paraméterek

246.

2014-07-01 time: 8:47:19.03 UTC ML= 1.7
lat: 48.127N lon: 20.572E h= 5.4 km
erh= 3.2km erz= 2.5km
nr= 8 gap=255 rms=0.36
Locality: Lillafüred
Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	40.1	351	ePg	8:47:26.10	-0.16
			eSg	47:32.10	0.20
PSZ	55.6	245	ePg	8:47:28.69	-0.32
			eSg	47:36.76	-0.03
IZAB	80.5	308	ePg	8:47:34.00	0.57
			eSg	47:44.00	-0.67
PENC	103.4	249	eSg	8:47:52.30	0.36
VYHS	135.1	288	eSn	8:48:00.30	-0.01

247.

2014-07-01 time: 11:19:12.30 UTC ML= 0.3
lat: 47.217N lon: 18.286E h= 0.0 km
erh= 1.0km erz= 139km
nr= 6 gap=261 rms=0.08
Locality: Iszkaszentgyörgy
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.3	353	ePg	11:19:15.21	0.00
			eSg	19:17.43	-0.06
PKST	19.6	284	ePg	11:19:15.68	-0.11
			eSg	19:18.68	0.16
PKSG	21.0	22	ePgD	11:19:16.09	0.05
			eSg	19:18.94	-0.02

248.

2014-07-03 time: 6:25:18.21 UTC ML= 0.8
lat: 47.452N lon: 18.398E h= 0.0 km
erh= 4.6km erz= 554km
nr= 6 gap=313 rms=0.32
Locality: Várgesztes
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.7	185	ePgC	6:25:19.60	0.18
			eSg	25:20.18	-0.17
CSKK	14.3	226	ePg	6:25:20.92	0.15
			eSg	25:22.25	-0.52
PKST	34.9	232	ePgC	6:25:24.20	-0.24
			eSg	25:29.98	0.68

249.

2014-07-03 time: 6:26:56.32 UTC ML= 0.8
lat: 47.431N lon: 18.381E h= 0.0 km
erh= 4.4km erz= 544km
nr= 6 gap=297 rms=0.32
Locality: Gánt
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.4	171	ePgC	6:26:57.17	0.07
			eSg	26:57.76	0.04
CSKK	11.8	230	ePgD	6:26:58.55	0.12
			eSg	26:59.43	-0.65
PKST	32.5	234	ePg	6:27:01.84	-0.27
			eSg	27:07.26	0.63

Földrengés paraméterek

Hypocenter Parameters

250.

2014-07-03 time: 10:09:34.17 UTC ML= 1.2
 lat: 47.859N lon: 19.118E h= 0.0 km
 erh= 5.0km erz= 991km
 nr= 8 gap=221 rms=0.73
 Locality: Szendehely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	14.4	122	ePgC	10:09:36.12	-0.63
			eSg	09:39.20	0.44
PSZ	58.4	84	ePgC	10:09:44.64	0.04
			eSg	09:52.51	-0.23
VYHS	73.6	343	ePg	10:09:48.30	0.98
			eSg	09:56.70	-0.87
IZAB	90.4	29	ePg	10:09:51.30	0.98
			eSg	10:01.80	-1.11

251.

2014-07-03 time: 10:45:22.06 UTC ML= 0.4
 lat: 47.188N lon: 18.305E h= 0.0 km
 erh= 3.4km erz= 391km
 nr= 5 gap=275 rms=0.19
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.8	350	ePg	10:45:25.42	-0.17
			eSg	45:28.07	-0.27
PKST	21.9	291	ePg	10:45:26.14	0.16
			eSg	45:29.04	0.01
PKSG	23.6	16	eSg	10:45:29.82	0.27

252.

2014-07-03 time: 12:47:55.83 UTC ML= 1.4
 lat: 48.513N lon: 19.368E h= 0.0 km
 erh= 5.3km erz= ***km
 nr= 7 gap=169 rms=0.89
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
IZAB	26.2	76	ePg	12:48:00.80	0.30
			eSg	48:04.30	0.16
VYHS	39.4	267	ePg	12:48:02.80	-0.06
			eSg	48:08.00	-0.35
PSZ	76.8	149	ePg	12:48:11.05	1.50
			eSg	48:19.52	-0.73
KECS	82.6	92	eSg	12:48:20.30	-1.80

253.

2014-07-04 time: 6:11:52.18 UTC ML= 1.6
 lat: 47.894N lon: 19.889E h= 10.0 km
 erh= 2.3km erz= 1.8km
 nr= 7 gap=276 rms=0.23
 Locality: Mátraszentimre
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	2.8	9	ePgD	6:11:53.82	-0.21
			eSg	11:55.62	0.15
IZAB	76.2	350	ePg	6:12:05.90	0.00
			eSg	12:16.90	0.29
KECS	79.1	34	eSg	6:12:17.50	-0.04
VYHS	102.9	310	ePg	6:12:10.90	0.27
			eSg	12:24.60	-0.43

254.

2014-07-04 time: 8:14:44.10 UTC ML= 0.6
 lat: 45.949N lon: 18.683E h= 0.0 km
 erh= 1.0km erz=98.8km
 nr= 5 gap=264 rms=0.05
 Locality: Kölked
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	29.4	354	ePgD	8:14:49.38	0.04
			eSg	14:53.40	-0.03
MORH	29.8	354	ePgD	8:14:49.36	-0.06
			eSg	14:53.63	0.07
PKSV	34.1	259	eSg	8:14:54.94	0.00

255.

2014-07-04 time: 8:28:28.18 UTC ML= 1.6
 lat: 48.563N lon: 20.802E h= 0.0 km
 erh= 2.7km erz= 2.5km
 nr= 12 gap=142 rms=0.71
 Locality: Tornanádaska
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.0	249	ePg	8:28:32.80	0.17
			eSg	28:36.60	0.49
CRVS	61.5	52	ePg	8:28:39.80	0.65
			eSg	28:47.90	0.18
IZAB	80.4	270	ePg	8:28:42.10	-0.43
			eSg	28:51.90	-1.82
PSZ	98.4	223	ePg	8:28:46.79	1.05
			eSg	28:59.54	0.10
KOLS	115.8	69	eSg	8:29:04.60	-0.38
TRPA	137.5	110	eSn	8:29:10.20	-1.01
VYHS	145.4	267	ePn	8:28:53.20	-0.14
			eSn	29:11.20	-1.76

256.

2014-07-06 time: 3:46:05.37 UTC ML= 2.5
 lat: 46.095N lon: 17.068E h= 14.3 km
 erh= 1.9km erz= 1.9km
 nr= 41 gap= 74 rms=0.74
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
BEHE	47.4	332	ePgD	3:46:16.77	2.55
			eSg	46:23.39	2.27
KOGS	74.3	302	iPg	3:46:18.40	-0.48
			eSg	46:28.20	-1.22
ZAG	88.4	250	iP*	3:46:21.80	0.58
PTJ	88.7	256	iP*	3:46:21.10	-0.17
PKSV	94.6	104	eP*	3:46:22.17	0.01
			eS*	46:35.17	-0.09
PKS9	108.1	60	ePnC	3:46:23.76	-0.29
			eSn	46:37.47	-1.15
TIH	109.6	35	ePnC	3:46:24.07	-0.18
			eSn	46:37.25	-1.72
PKSM	122.2	84	ePnC	3:46:25.49	-0.33
			eSn	46:42.78	1.02
MORH	122.5	84	ePnC	3:46:25.55	-0.30
MPLH	124.9	17	ePn	3:46:26.71	0.56
			eSn	46:42.93	0.58
CRES	128.5	257	Pn	3:46:26.70	0.11
PKST	149.0	30	ePnD	3:46:29.24	0.08
			eSn	46:46.81	-0.90
BLY	149.9	177	Pn	3:46:30.00	0.73
CSKK	167.9	33	ePn	3:46:31.46	-0.05
			eSn	46:54.54	2.64
SOKA	169.5	292	Pn	3:46:31.77	0.06
			Sn	46:51.55	-0.70

Hypocenter Parameters

PKS2 171.1 75 ePnC 3:46:31.70 -0.21
 eSn 46:57.14 4.54*
 ARSA 174.6 317 Pn 3:46:32.86 0.51
 Sn 46:51.64 -1.75
 PKSG 176.1 35 ePnD 3:46:32.58 0.05
 eSn 46:55.85 2.14
 PKS7 192.2 57 eSn 3:46:59.76 2.46
 OBKA 199.5 283 Pn 3:46:36.02 0.57
 Sn 46:59.82 0.91
 PKS6 200.2 74 ePn 3:46:35.08 -0.46
 eSn 47:04.91 5.84*
 CONA 223.5 336 Pn 3:46:38.75 0.30
 Sn 47:03.45 -0.80
 FRGS 239.0 117 Pn 3:46:39.00 -1.38
 PENC 252.8 42 ePn 3:46:42.30 0.20
 MYKA 270.3 283 Sn 3:47:14.81 0.17
 MOA 289.0 312 Pn 3:46:46.86 0.25
 Sn 47:18.28 -0.50
 BBLS 308.8 143 Pn 3:46:50.40 1.32*
 KHC 427.6 322 ePn 3:47:05.20 1.31*
 eSn 47:47.40 -2.13*
 KRLC 443.1 357 ePn 3:47:06.70 0.87*
 eSn 47:50.20 -2.78*
 PRU 472.1 336 ePn 3:47:09.20 -0.25*

257.

2014-07-07 time: 7:06:33.44 UTC ML= 0.8
 lat: 47.095N lon: 18.147E h= 0.0 km
 erh= 2.3km erz= 926km
 nr= 13 gap=129 rms=0.79
 Locality: Berhida
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.2	335	ePg	7:06:35.86	-1.18
			eSg	06:38.63	-1.22
TIH	29.0	222	ePg	7:06:38.13	-0.48
			eSg	06:43.61	0.96
CSKK	31.1	16	ePg	7:06:39.14	0.15
			eSg	06:42.99	-0.33
PKSG	37.9	29	ePg	7:06:40.93	0.73
			eSg	06:45.69	0.21
MPLH	46.8	280	eSg	7:06:49.10	0.78
MORH	104.8	159	ePg	7:06:52.88	0.72
			eSg	07:04.82	-1.94
PKSM	105.2	159	ePg	7:06:52.56	0.34
			eSg	07:07.17	0.30

258.

2014-07-07 time: 9:21:25.09 UTC ML= 1.8
 lat: 45.563N lon: 17.509E h= 17.3 km
 erh= 1.6km erz= 2.4km
 nr= 12 gap=138 rms=0.23
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	68.3	58	eP*C	9:21:37.70	0.10
			eS*	21:48.08	0.72
BLY	94.0	196	P*	9:21:41.60	0.08
			eS*	21:52.20	-2.13*
PKSM	113.7	51	ePnD	9:21:44.01	-0.08
			eSn	21:58.80	-0.12
MORH	114.2	51	ePnD	9:21:44.07	-0.08
			eSn	21:59.02	0.01
TIH	151.6	11	Pn	9:21:48.80	-0.01
CRES	162.5	280	Pn	9:21:50.30	0.12
			eSn	22:09.90	0.16
PKST	192.8	12	Pn	9:21:53.40	-0.56
AMBH	264.3	71	eSn	9:22:29.80	-2.54*

Földrengés paraméterek

259.

2014-07-08 time: 6:46:22.38 UTC ML= 0.3
 lat: 47.168N lon: 18.192E h= 0.0 km
 erh= 3.0km erz= 817km
 nr= 7 gap=148 rms=0.54
 Locality: Ösi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	15.6	310	ePgC	6:46:25.15	-0.02
			eSg	46:27.83	0.48
CSKK	22.3	14	ePgD	6:46:25.85	-0.51
			eSg	46:29.05	-0.42
PKSG	29.1	31	eSg	6:46:32.14	0.52
PKSM	111.7	162	ePg	6:46:43.23	0.89
			eSg	46:57.15	-0.75

260.

2014-07-08 time: 9:14:50.60 UTC ML= 2.1
 lat: 48.879N lon: 20.501E h= 5.2 km
 erh= 2.4km erz= 4.6km
 nr= 12 gap=156 rms=0.61
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	44.0	182	ePg	9:14:58.00	-0.51
			eSg	15:03.90	-0.78
IZAB	67.5	239	ePg	9:15:02.60	-0.09
			eSg	15:12.20	0.08
CRVS	70.4	88	ePg	9:15:03.10	-0.11
			eSg	15:13.00	-0.05
LANS	81.4	292	ePg	9:15:05.20	0.03
			eSg	15:15.90	-0.64
PSZ	115.9	203	ePgD	9:15:12.58	1.27
			eSg	15:26.49	-0.98
VYHS	129.9	251	ePn	9:15:13.30	0.14
			eSn	15:28.00	-2.76*

261.

2014-07-08 time: 11:12:59.09 UTC ML= 0.1
 lat: 47.198N lon: 18.244E h= 0.0 km
 erh= 5.7km erz= 708km
 nr= 6 gap=266 rms=0.44
 Locality: Csőr
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	17.2	293	ePgD	11:13:02.58	0.41
			eSg	13:04.32	-0.25
CSKK	18.4	4	ePgD	11:13:02.37	-0.01
			eSg	13:04.15	-0.79
PKSG	24.2	27	ePg	11:13:03.07	-0.35
			eSg	13:07.54	0.75

262.

2014-07-09 time: 21:03:20.25 UTC ML= 2.2
 lat: 46.028N lon: 21.034E h= 12.5 km
 erh= 1.8km erz= 1.6km
 nr= 36 gap= 92 rms=0.86
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	35.5	156	PgC	21:03:27.05	0.09
			Sg	03:32.60	0.40
SIRR	55.2	61	PgD	21:03:30.34	-0.02
			Sg	03:38.10	-0.14
BZS	64.3	135	PgD	21:03:31.97	0.02
			Sg	03:41.10	0.02

Földrengés paraméterek

BANR 72.1 174 PgD 21:03:32.88 -0.44
 Sg 03:43.20 -0.32
 PKS6 129.8 299 ePn 21:03:40.37 -1.50
 eSn 03:57.14 -1.60
 PKSN 131.8 317 eSn 21:03:58.93 -0.25
 DEV 145.8 96 PnC 21:03:44.43 0.56
 Sn 04:03.10 0.81
 MDVR 148.3 159 PnD 21:03:43.75 -0.43
 Sn 04:01.30 -1.55
 LTVH 164.8 24 eSn 21:04:06.78 0.28
 HERR 167.1 140 PnD 21:03:46.85 0.33
 Sn 04:07.20 0.18
 PKS7 183.0 308 eSn 21:04:11.09 0.54
 PKSM 186.1 276 ePn 21:03:49.69 0.80
 eSn 04:10.88 -0.34
 CJR 211.5 69 PnD 21:03:52.31 0.25
 Sn 04:16.00 -0.88
 PKSV 216.2 266 ePn 21:03:55.13 2.49
 eSn 04:20.39 2.48
 PKS9 221.2 286 ePn 21:03:57.89 4.63
 eSn 04:22.70 3.69
 LOT 222.5 107 PnD 21:03:54.13 0.70
 Sn 04:18.80 -0.50
 PSZ 227.4 338 ePn 21:03:52.76 -1.28
 eSn 04:16.46 -3.93
 PENC 237.1 326 ePn 21:03:55.34 0.09
 eSn 04:29.87 7.31*
 PKSG 252.7 307 eSn 21:04:31.78 5.77*
 TRPA 260.2 26 PnD 21:03:58.20 0.07
 PKST 267.4 301 ePn 21:04:00.08 1.06
 eSn 04:35.69 6.43*
 ARR 289.8 105 PnD 21:04:01.98 0.16
 MPLH 296.4 295 ePn 21:04:01.45 -1.19
 IZAB 299.7 341 ePn 21:04:04.80 1.75*
 VOIR 319.4 102 PnC 21:04:05.51 0.00*
 Sn 04:41.00 0.18*
 VYHS 320.7 329 ePn 21:04:06.80 1.13*

263.

2014-07-10 time: 6:19:41.56 UTC ML= 0.6
 lat: 47.431N lon: 18.396E h= 0.0 km
 erh= 3.1km erz= 388km
 nr= 6 gap=310 rms=0.24
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	4.4	185	ePg	6:19:42.27			-0.07
			eSg	19:42.82			-0.12
CSKK	12.7	234	ePgD	6:19:43.61			-0.22
			eSg	19:45.99			0.39
PKST	33.3	235	ePg	6:19:47.84			0.32
			eSg	19:52.00			-0.16

264.

2014-07-10 time: 6:19:57.02 UTC ML= 0.7
 lat: 47.436N lon: 18.351E h= 0.0 km
 erh= 9.8km erz= ***km
 nr= 5 gap=278 rms=0.50
 Locality: Oroszlány
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	5.7	148	ePg	6:19:57.96			-0.08
			eSg	19:58.54			-0.29
CSKK	10.6	220	ePgD	6:19:59.29			0.39
			eSg	20:00.87			0.50
PKST	30.9	231	eSg	6:20:05.75			-1.10

Hypocenter Parameters

265.

2014-07-10 time: 6:20:33.77 UTC ML= 0.7
 lat: 47.393N lon: 18.418E h= 0.0 km
 erh= 9.7km erz= 811km
 nr= 6 gap=336 rms=0.47
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	2.1	266	ePg	6:20:34.17			0.03
			eSg	20:34.89			0.46
CSKK	12.3	254	ePgD	6:20:35.55			-0.42
			eSg	20:36.85			-0.84
PKST	32.6	243	ePg	6:20:40.16			0.57
			eSg	20:44.39			0.26

266.

2014-07-10 time: 9:04:59.77 UTC ML= 1.2
 lat: 47.372N lon: 17.560E h= 0.0 km
 erh= 6.5km erz= 968km
 nr= 7 gap=264 rms=0.66
 Locality: Vaszar
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
MPLH	22.5	184	ePg	9:05:03.34			-0.45
			eSg	05:07.37			0.44
PKST	38.0	109	ePg	9:05:06.15			-0.41
			eSg	05:10.64			-1.21
CSKK	52.9	91	eSg	9:05:17.57			0.98
TIH	58.3	154	eSg	9:05:18.84			0.55
PKSG	62.8	88	eSg	9:05:20.13			0.41

267.

2014-07-11 time: 7:22:39.63 UTC ML= 0.7
 lat: 47.124N lon: 17.980E h= 0.0 km
 erh= 2.2km erz= 678km
 nr= 10 gap=149 rms=0.54
 Locality: Kádárta
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	15.6	15	ePg	7:22:42.42			0.01
			eSg	22:44.55			-0.04
TIH	25.7	195	ePg	7:22:44.20			-0.02
			eSg	22:48.09			0.29
MPLH	33.8	279	ePg	7:22:45.95			0.29
			eSg	22:49.43			-0.93
CSKK	34.1	39	ePg	7:22:45.76			0.05
			eSg	22:51.73			1.27
PKSG	43.1	46	ePg	7:22:47.40			0.08
			eSg	22:51.95			-1.38

268.

2014-07-14 time: 9:53:13.46 UTC ML= 0.0
 lat: 47.294N lon: 18.172E h= 10.0 km
 erh= 8.2km erz= 3.6km
 nr= 6 gap=193 rms=0.11
 Locality: Balinka
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.2	41	ePgD	9:53:16.02			0.01
			eSg	53:17.96			-0.04
PKST	11.1	250	ePgD	9:53:16.22			0.09
			eSg	53:17.94			-0.27
PKSG	19.8	57	ePg	9:53:17.30			-0.12
			eSg	53:20.74			0.23

Hypocenter Parameters

Földrengés paraméterek

269.

2014-07-15 time: 6:48:43.71 UTC ML= 0.9
 lat: 47.435N lon: 18.428E h= 0.0 km
 erh= 4.1km erz= 411km
 nr= 6 gap=333 rms=0.26
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	5.5	211	ePgC	6:48:44.75			0.06
			eSg		48:45.63		0.17
CSKK	14.9	238	ePgD	6:48:46.14			-0.24
			eSg		48:47.93		-0.52
PKST	35.6	237	ePg	6:48:50.39			0.33
			eSg		48:55.16		0.14

270.

2014-07-15 time: 6:49:03.09 UTC ML= 0.8
 lat: 47.433N lon: 18.404E h= 0.0 km
 erh= 2.8km erz= 293km
 nr= 5 gap=317 rms=0.13
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	4.7	192	ePgC	6:49:03.91			-0.02
			eSg		49:04.57		-0.02
CSKK	13.3	234	ePgD	6:49:05.33			-0.14
			eSg		49:07.35		0.02
PKST	34.0	235	ePg	6:49:09.42			0.26

271.

2014-07-15 time: 6:57:23.29 UTC ML= 0.7
 lat: 47.331N lon: 18.480E h= 0.0 km
 erh= 5.8km erz= ***km
 nr= 7 gap=219 rms=0.73
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	9.6	315	ePgC	6:57:24.97			-0.03
			eSg		57:25.61		-0.72
CSKK	16.9	282	ePgD	6:57:26.32			0.00
			eSg		57:27.37		-1.31
PKST	34.6	257	ePg	6:57:30.22			0.74
			eSg		57:35.78		1.48
PKSM	125.0	174	eSg	6:58:02.60			-0.43

272.

2014-07-15 time: 8:10:33.45 UTC ML= 1.2
 lat: 47.377N lon: 18.650E h= 0.0 km
 erh= 6.3km erz= 556km
 nr= 7 gap=339 rms=0.37
 Locality: Vál
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	19.7	275	ePg	8:10:36.75			-0.21
			eSg		10:39.97		0.27
CSKK	29.5	267	ePg	8:10:38.29			-0.42
			eSg		10:42.73		-0.08
PKST	48.4	254	ePg	8:10:42.78			0.70
			eSg		10:48.53		-0.29
MPLH	87.1	255	eSg	8:11:01.27			0.13

273.

2014-07-17 time: 7:35:36.70 UTC ML= 0.8
 lat: 47.450N lon: 18.438E h= 0.0 km
 erh= 8.0km erz= 772km
 nr= 6 gap=334 rms=0.45
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.4	209	ePgC	7:35:38.27			0.26
			eSg		35:38.91		-0.13
CSKK	16.5	234	ePg	7:35:39.64			-0.01
			eSg		35:41.08		-0.86
PKST	37.2	235	ePgC	7:35:43.12			-0.21
			eSg		35:49.51		1.00

274.

2014-07-17 time: 7:50:41.45 UTC ML= 1.0
 lat: 47.185N lon: 18.560E h= 0.0 km
 erh= 2.8km erz= 331km
 nr= 6 gap=311 rms=1.56
 Locality: Dinnyés
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	26.4	331	ePgD	7:50:46.13			-0.03
			eSg		50:46.51		-3.33
CSKK	30.1	311	ePgD	7:50:47.47			0.64
			eSg		50:49.11		-1.92
PKST	40.7	282	ePg	7:50:50.95			2.23
			eSg		50:54.49		0.11

275.

2014-07-18 time: 4:11:47.20 UTC ML= 0.9
 lat: 47.129N lon: 17.646E h= 14.2 km
 erh= 4.7km erz= 7.8km
 nr= 10 gap=156 rms=0.82
 Locality: Városlőd
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
MPLH	9.3	300	ePgC	4:11:50.68			0.45
			eSg		11:52.84		0.25
TIH	31.6	144	ePgD	4:11:53.84			0.46
			eSg		11:57.15		-1.06
PKST	32.8	64	ePgC	4:11:53.91			0.33
			eSg		11:59.08		0.53
CSKK	53.3	61	ePgD	4:11:55.13			-1.92
			eSg		12:03.89		-0.85
PKSG	63.5	63	ePg	4:11:59.30			0.48
			eSg		12:08.60		0.72

276.

2014-07-18 time: 6:54:43.67 UTC ML= 0.2
 lat: 47.314N lon: 18.149E h= 7.3 km
 erh= 6.6km erz= 2.0km
 nr= 6 gap=182 rms=0.11
 Locality: Balinka
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.0	57	ePgD	6:54:45.77			-0.12
			eSg		54:47.76		0.15
PKST	10.6	235	ePgD	6:54:45.99			0.02
			eSg		54:47.69		-0.08
PKSG	20.2	65	ePg	6:54:47.67			0.16
			eSg		54:50.39		-0.11

Földrengés paraméterek

Hypocenter Parameters

277.

2014-07-18 time: 10:18:32.03 UTC ML= 1.3
 lat: 48.634N lon: 20.745E h= 0.0 km
 erh= 1.3km erz= 2.5km
 nr= 11 gap=145 rms=0.27
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.4	229	ePg	10:18:36.30	-0.27
			eSg	18:40.30	0.18
CRVS	60.5	60	ePg	10:18:43.10	0.26
			eSg	18:50.80	-0.47
IZAB	76.5	265	ePg	10:18:45.50	-0.19
			eSg	18:55.50	-0.84
PSZ	101.6	218	ePg	10:18:50.32	0.15
			eSg	19:04.37	0.05
LANS	109.9	302	ePg	10:18:51.90	0.25
KOLS	117.1	73	eSg	10:19:08.90	-0.36
VYHS	141.7	264	ePn	10:18:57.00	0.26

278.

2014-07-19 time: 0:49:55.90 UTC ML= 0.1
 lat: 47.398N lon: 18.501E h= 4.5 km
 erh= 1.3km erz= 1.0km
 nr= 6 gap=341 rms=0.03
 Locality: Csákvár
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	8.4	265	ePgD	0:49:57.55	-0.04
			eSg	49:58.92	0.01
CSKK	18.6	258	ePg	0:49:59.34	0.03
			eSg	50:02.02	0.05
PKST	38.5	246	ePg	0:50:02.83	0.01
			eSg	50:08.19	-0.03

279.

2014-07-22 time: 9:18:44.32 UTC ML= 0.4
 lat: 47.181N lon: 18.323E h= 0.0 km
 erh= 1.8km erz= 237km
 nr= 6 gap=279 rms=0.14
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.8	347	ePg	9:18:48.12	0.08
			eSg	18:50.61	-0.33
PKST	23.6	292	ePg	9:18:48.42	-0.11
			eSg	18:51.98	0.17
PKSG	24.0	12	ePg	9:18:48.63	0.03
			eSg	18:52.02	0.07

280.

2014-07-23 time: 10:56:25.41 UTC ML= 0.7
 lat: 47.160N lon: 18.348E h= 0.0 km
 erh= 6.6km erz= 948km
 nr= 7 gap=264 rms=0.63
 Locality: Sárszentmihály
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	23.6	344	ePg	10:56:29.13	-0.49
			eSg	56:32.83	-0.07
PKSG	26.0	7	ePg	10:56:30.54	0.48
			eSg	56:34.16	0.48
PKST	26.2	295	ePg	10:56:29.58	-0.51
			eSg	56:33.02	-0.71
MPLH	61.3	271	eSg	10:56:46.26	1.37

281.

2014-07-25 time: 6:47:08.07 UTC ML= 0.9
 lat: 47.338N lon: 18.719E h= 0.0 km
 erh= 5.6km erz= 480km
 nr= 6 gap=337 rms=0.28
 Locality: Tordas
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	25.5	284	ePg	6:47:12.75	0.13
			eSg	47:15.82	-0.35
CSKK	34.7	275	ePg	6:47:14.15	-0.12
			eSg	47:19.75	0.64
PKST	52.5	260	ePg	6:47:17.54	0.10
			eSg	47:24.46	-0.30

282.

2014-07-25 time: 20:34:06.46 UTC ML= 0.8
 lat: 48.081N lon: 20.519E h= 10.0 km
 erh= 4.4km erz= 2.1km
 nr= 5 gap=252 rms=0.18
 Locality: Répáshuta
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	44.8	357	ePg	20:34:14.90	0.23
			eSg	34:20.80	-0.26
PSZ	50.0	249	ePgC	20:34:15.42	-0.15
VYHS	133.1	290	eSg	34:22.74	0.07
			eSn	20:34:46.40	0.15

283.

2014-07-27 time: 7:16:07.07 UTC ML= 0.6
 lat: 47.315N lon: 18.477E h= 0.1 km
 erh= 4.6km erz= 765km
 nr= 6 gap=297 rms=0.27
 Locality: Pátka
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	10.8	323	ePg	7:16:09.23	0.24
			eSg	16:10.71	0.22
CSKK	17.2	288	ePgD	7:16:09.90	-0.24
			eSg	16:12.01	-0.53
PKST	34.1	259	ePg	7:16:13.19	0.04
			eSg	16:18.18	0.29

284.

2014-07-28 time: 7:35:14.95 UTC ML= 0.8
 lat: 47.363N lon: 18.446E h= 0.0 km
 erh= 2.1km erz= 258km
 nr= 6 gap=302 rms=0.15
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.2	307	ePgC	7:35:16.05	0.17
			eSg	35:16.59	-0.01
CSKK	14.0	270	ePgD	7:35:17.45	0.00
			eSg	35:19.18	-0.21
PKST	33.2	250	ePgC	7:35:20.70	-0.18
			eSg	35:25.73	0.23

Hypocenter Parameters

Földrengés paraméterek

285.

2014-07-28 time: 7:35:48.26 UTC ML= 0.8
 lat: 47.440N lon: 18.413E h= 0.0 km
 erh= 5.8km erz= 646km
 nr= 6 gap=322 rms=0.37
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.7	197	ePgC	7:35:49.36	0.08
			eSg	35:49.89	-0.17
CSKK	14.4	233	ePgD	7:35:50.69	-0.14
			eSg	35:52.32	-0.51
PKST	35.0	235	ePgC	7:35:54.60	0.09
			eSg	36:00.78	1.39

286.

2014-07-28 time: 7:36:00.32 UTC ML= 0.7
 lat: 47.348N lon: 18.468E h= 0.0 km
 erh= 2.0km erz= 240km
 nr= 6 gap=303 rms=0.14
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.6	310	ePgC	7:36:01.74	0.07
			eSg	36:02.31	-0.41
CSKK	15.7	276	ePgD	7:36:03.07	-0.06
			eSg	36:05.58	0.25
PKST	34.2	253	ePgC	7:36:06.46	0.02
			eSg	36:11.17	-0.04

287.

2014-07-28 time: 7:42:10.26 UTC ML= 0.7
 lat: 47.450N lon: 18.444E h= 0.0 km
 erh= 7.0km erz= 641km
 nr= 6 gap=337 rms=0.38
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.6	212	ePg	7:42:12.01	0.40
			eSg	42:12.49	-0.18
CSKK	16.9	235	ePgC	7:42:13.24	-0.03
			eSg	42:15.03	-0.59
PKST	37.5	236	ePg	7:42:16.68	-0.28
			eSg	42:22.86	0.68

288.

2014-07-29 time: 12:37:00.90 UTC ML= 0.5
 lat: 47.201N lon: 18.305E h= 0.0 km
 erh= 3.5km erz= 545km
 nr= 7 gap=250 rms=0.38
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.3	349	ePg	12:37:03.72	-0.45
			eSg	37:06.67	-0.05
PKST	21.5	287	ePg	12:37:04.53	-0.21
			eSg	37:07.51	-0.22
PKSG	22.1	17	ePg	12:37:04.84	-0.02
			eSg	37:08.21	0.27
MPLH	58.1	267	ePg	12:37:12.09	0.81

289.

2014-07-30 time: 1:52:00.62 UTC ML= 1.4
 lat: 48.030N lon: 19.443E h= 7.0 km
 erh= 1.8km erz= 2.4km
 nr= 15 gap= 98 rms=0.64
 Locality: Iliny
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	29.2	204	ePgD	1:52:06.11	0.13
			eSg	52:10.09	-0.08
PSZ	35.9	110	ePgC	1:52:07.74	0.59
			eSg	52:12.76	0.52
BUD	68.4	207	eSg	1:52:21.31	-1.16
			VYHS	68.5	319
eSg	52:21.20	-1.31			
SRO	87.8	254	ePg	1:52:17.00	0.65
			eSg	52:26.70	-1.92
KECS	92.4	57	eSg	1:52:28.90	-1.16
BSZH	102.1	143	eSg	1:52:32.77	-0.37
PKSG	106.2	228	eSg	1:52:34.67	0.23
CSKK	115.7	230	eSn	1:52:36.91	-0.31
PKST	136.2	231	ePn	1:52:23.87	0.13
			eSn	52:42.85	1.07

290.

2014-07-30 time: 7:31:04.90 UTC ML= 0.5
 lat: 46.208N lon: 18.199E h= 0.0 km
 erh= 4.2km erz= 475km
 nr= 6 gap=275 rms=0.28
 Locality: Magyarország
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	34.1	89	ePgD	7:31:10.92	-0.07
			eSg	31:15.25	-0.49
MORH	34.3	89	ePg	7:31:11.00	-0.03
			eSg	31:16.41	0.60
PKSV	35.8	173	ePg	7:31:11.50	0.21
			eSg	31:16.12	-0.16

291.

2014-07-31 time: 6:40:01.43 UTC ML= 1.0
 lat: 45.890N lon: 18.158E h= 10.0 km
 erh= 2.2km erz= 2.2km
 nr= 8 gap=275 rms=1.69
 Locality: Diósvizsló
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	7.3	91	ePgD	6:40:03.66	0.02
			eSg	40:08.18	2.81
PKSM	51.8	46	ePgD	6:40:09.23	-1.61
			eSg	40:17.58	-0.61
MORH	52.2	46	ePg	6:40:09.28	-1.64
			eSg	40:17.72	-0.61
PKS9	78.0	7	ePgD	6:40:16.26	0.79
			eSg	40:31.47	5.04

292.

2014-08-01 time: 11:06:30.23 UTC ML= 0.4
 lat: 47.460N lon: 18.066E h= 0.0 km
 erh= 2.9km erz= 375km
 nr= 6 gap=281 rms=0.22
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.2	126	ePg	11:06:33.83	0.34
			eSg	06:36.25	0.23

Földrengés paraméterek

PKST 22.4 186 ePgD 11:06:34.21 -0.03
 eSg 06:37.25 -0.12
 PKSG 25.7 107 ePg 11:06:34.69 -0.13
 eSg 06:38.04 -0.35

293.

2014-08-02 time: 7:48:48.74 UTC ML= 0.2
 lat: 47.346N lon: 18.124E h= 0.0 km
 erh= 2.0km erz= 126km
 nr= 6 gap=221 rms=0.08
 Locality: Nagyveleg
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	10.5	80	ePg	7:48:50.77	0.16
			eSg	48:52.00	-0.08
PKST	11.8	215	ePgD	7:48:50.80	-0.05
			eSg	48:52.47	-0.02
PKSG	20.8	76	ePg	7:48:52.42	-0.03
			eSg	48:55.36	0.01

294.

2014-08-03 time: 1:10:23.86 UTC ML= 2.1
 lat: 48.039N lon: 19.397E h= 0.9 km
 erh= 1.5km erz= 1.8km
 nr= 51 gap= 51 rms=0.94
 Locality: Iliny
 Comments:

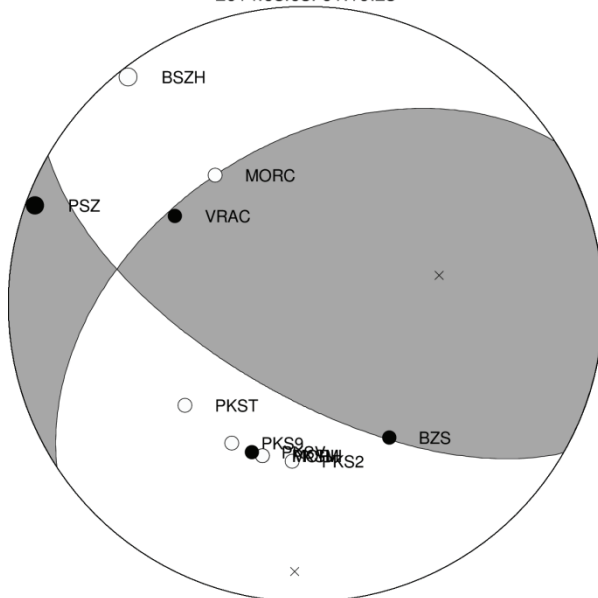
sta	dist	azm	phase	hr mn sec	res
PENC	28.9	197	ePg	1:10:29.10	0.07
			eSg	10:33.55	0.49
PSZ	39.5	110	ePgC	1:10:31.00	0.08
			eSg	10:35.76	-0.66
IZAB	63.4	22	ePg	1:10:35.80	0.62
			eSg	10:43.20	-0.81
VYHS	65.5	321	ePg	1:10:36.50	0.94
			eSg	10:44.40	-0.28
BUD	67.8	204	ePg	1:10:35.82	-0.15
			eSg	10:45.46	0.05
SRO2	81.0	248	ePg	1:10:37.20	-1.13
			eSg	10:47.90	-1.72
SRO	84.8	253	ePg	1:10:39.70	0.70
			eSg	10:50.20	-0.60
KECS	94.7	59	ePg	1:10:40.00	-0.78
			eSg	10:52.60	-1.37
PKSG	104.3	226	ePg	1:10:41.90	-0.58
			eSg	10:58.00	0.99
BSZH	105.0	142	ePgD	1:10:42.62	0.00
			eSg	10:56.02	-1.23
PKS7	111.7	189	ePg	1:10:44.16	0.36
			eSg	10:58.35	-1.01
CSKK	113.7	229	ePg	1:10:43.30	-0.86
			eSg	11:00.50	0.51
LANS	123.7	2	ePg	1:10:46.50	0.55
			eSg	11:01.20	-1.98
PKST	134.2	230	ePnD	1:10:46.60	-0.91
			eSn	11:05.27	-0.69
SMOL	155.3	290	ePn	1:10:51.90	1.75
			eSn	11:10.10	-0.56
PKS6	160.5	175	eSn	1:11:11.44	-0.37
			ePn	1:10:50.80	-0.16
MODS	161.9	283	eSn	11:11.40	-0.71
			ePn	1:10:52.82	0.86
MPLH	169.8	235	eSn	11:17.76	3.89*
			ePn	1:10:52.82	0.84
TIH	170.0	222	eSn	11:16.71	2.80
			ePnD	1:10:54.75	2.45
PKS2	172.6	185	eSn	11:14.56	0.08
			ePn	1:10:54.90	1.63
CRVS	180.3	58	eSn	11:17.00	0.79
			ePnD	1:10:54.73	1.23
PKS9	182.2	208	ePnD	1:10:54.73	1.23
			ePnD	1:10:55.84	-1.20

82

Hypocenter Parameters

eSn 11:24.21 1.29
 PKSM 211.1 196 ePnD 1:10:55.87 -1.23
 eSn 11:25.13 2.10
 MORC 236.3 325 PnD 1:10:59.87 -0.37
 Sn 11:26.90 -1.72
 VRAC 250.1 304 PnC 1:11:02.13 0.16
 Sn 11:28.90 -2.79
 PKSV 254.5 200 ePnC 1:11:01.69 -0.82
 BZS 318.1 148 PnC 1:11:09.15 -1.30*

2014.08.03. 01:10:23



295.

2014-08-03 time: 1:12:56.06 UTC ML= 1.4
 lat: 48.034N lon: 19.404E h= 7.7 km
 erh= 1.3km erz= 2.8km
 nr= 20 gap= 67 rms=0.54
 Locality: Iliny
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	28.5	199	ePg	1:13:01.59	0.26
			eSg	13:05.79	0.34
PSZ	38.8	109	ePgC	1:13:03.24	0.13
			eSg	13:07.95	-0.67
IZAB	63.8	21	ePg	1:13:08.10	0.57
			eSg	13:16.20	-0.28
VYHS	66.4	321	ePg	1:13:08.60	0.61
			eSg	13:16.60	-0.69
SRO2	81.3	248	eSg	1:13:21.50	-0.52
			eSg	1:13:22.60	-0.63
SRO	85.1	253	eSg	1:13:22.60	-0.63
			ePg	1:13:12.20	-0.80
KECS	94.6	58	ePg	1:13:12.20	-0.80
			eSg	13:24.40	-1.82
BSZH	104.2	142	ePg	1:13:14.98	0.27
			eSg	13:29.50	0.24
PKSG	104.3	227	ePg	1:13:14.20	-0.53
			eSg	13:30.27	0.97
PKS7	111.2	189	ePg	1:13:16.43	0.48
			eSg	13:30.55	-0.92
PKST	134.2	230	ePnD	1:13:18.93	0.09
			eSn	13:38.42	1.80

Hypocenter Parameters

Földrengés paraméterek

296.

2014-08-03 time: 1:48:06.45 UTC ML= 3.0
 lat: 48.033N lon: 19.397E h= 1.7 km
 erh= 1.1km erz= 1.2km
 nr= 63 gap= 44 rms=0.73
 Locality: Iliny
 Comments: felt 5 EMS

sta	dist	azm	phase	hr	mn	sec	res
PENC	28.3	198	ePg	1:48:11.90		0.39	
			eSg	48:16.30		0.84	
PSZ	39.3	109	iPgC	1:48:13.78		0.31	
			eSg	48:18.57		-0.37	
IZAB	64.0	21	ePg	1:48:18.50		0.62	
			eSg	48:26.00		-0.80	
VYHS	66.0	321	ePg	1:48:19.10		0.86	
			eSg	48:27.20		-0.24	
BUD	67.2	205	ePgD	1:48:18.41		-0.04	
			eSg	48:28.50		0.69	
SRO2	80.8	248	ePg	1:48:19.80		-1.08	
			eSg	48:30.70		-1.43	
SRO	84.6	253	ePg	1:48:21.80		0.25	
			eSg	48:32.90		-0.44	
KECS	95.1	58	ePg	1:48:22.60		-0.83	
			eSg	48:35.00		-1.67	
PKSG	103.8	227	ePgD	1:48:24.48		-0.51	
			eSg	48:40.55		1.09	
BSZH	104.5	141	ePgD	1:48:25.40		0.29	
			eSg	48:39.15		-0.51	
PKS7	111.0	189	ePg	1:48:26.83		0.56	
			eSg	48:41.05		-0.69	
CSKK	113.2	229	ePg	1:48:25.85		-0.82	
			eSg	48:42.40		-0.04	
LANS	124.4	2	ePg	1:48:29.10		0.44	
			eSg	48:43.90		-2.08	
PKSN	131.2	164	ePnD	1:48:29.87		0.26	
			eSn	48:46.50		-1.18	
PKST	133.7	230	ePnD	1:48:29.35		-0.58	
			eSn	48:48.00		-0.26	
SMOL	155.6	290	e n	1:48:32.40		-0.26	
			eSn	48:53.80		0.70	
PKS6	159.8	175	ePn	1:48:34.50		1.31	
			eSn	48:54.14		0.09	
MODS	162.1	284	e n	1:48:32.20		-1.26	
			eSn	48:54.20		-0.34	
EGYH	169.4	246	ePn	1:48:35.89		1.51	
			eSn	48:58.56		2.39	
MPLH	169.5	236	ePnD	1:48:35.19		0.80	
			eSn	49:00.28		4.10*	
TIH	169.5	222	ePn	1:48:35.07		0.68	
			eSn	48:58.73		2.54	
PKS2	171.9	185	ePn	1:48:34.77		0.08	
			eSn	48:57.52		0.80	
CRVS	180.7	58	e n	1:48:36.00		0.21	
			eSn	48:58.10		-0.58	
PKS9	181.6	208	ePnC	1:48:35.70		-0.21	
			eSn	49:00.19		1.30	
LTVH	201.2	111	ePn	1:48:38.37		0.02	
			eSn	49:06.67		3.43*	
STHS	205.3	41	e n	1:48:39.50		0.65	
MORH	209.9	196	ePnD	1:48:38.44		-1.00	
PKSM	210.4	196	ePnC	1:48:38.57		-0.93	
			eSn	49:02.45		-2.83*	
SOP	216.0	260	ePnD	1:48:40.00		-0.18	
			eSn	49:04.64		-1.86	
OKC	220.6	335	ePn	1:48:41.80		1.04	
KOLS	235.0	65	e n	1:48:42.50		-0.06	
MORC	236.8	325	PnD	1:48:43.14		0.35	
VRAC	250.5	304	PnD	1:48:44.72		0.23	
PKSV	253.8	200	ePnC	1:48:44.48		-0.43	
SIRR	260.7	139	PnD	1:48:44.71		-1.06	
CONA	264.2	267	Pn	1:48:46.03		-0.17	
			Sn	49:14.43		-2.78*	
KRLC	296.9	320	ePn	1:48:50.70		0.43	

			eSn	49:23.30		-1.16*	
ARSA	303.8	253	Pn	1:48:51.36		0.22*	
BZS	317.6	148	PnC	1:48:52.10		-0.75*	
TREC	320.4	296	ePn	1:48:53.40		0.19*	
			eSn	49:27.50		-2.18*	
DPC	341.5	319	ePn	1:48:56.40		0.56*	
			eSn	49:33.00		-1.37*	
CJR	349.6	115	PnC	1:48:56.83		-0.02*	
DEV	358.3	132	PnC	1:48:57.55		-0.38*	
SOKA	362.5	245	Pn	1:48:58.50		0.04*	
UPC	369.3	318	ePn	1:49:00.10		0.79*	
			eSn	49:53.10		12.55*	
MOA	383.9	267	Pn	1:49:01.37		0.24*	
GOPC	397.1	302	ePn	1:49:03.10		0.33*	
			eSn	49:44.10		-2.60*	
MDVR	402.9	154	PnC	1:49:03.25		-0.25*	
OBKA	404.1	245	Pn	1:49:04.12		0.47*	
PRU	416.5	301	ePn	1:49:05.00		-0.19*	
			eSn	49:48.10		-2.91*	
HERR	420.2	146	PnC	1:49:05.44		-0.21*	
PRA	427.8	302	ePn	1:49:07.00		0.40*	
			eSn	49:51.00		-2.52*	
BURA	438.3	96	PnC	1:49:08.42		0.51*	
KHC	446.4	286	ePn	1:49:09.10		0.19*	
			eSn	49:55.50		-2.14*	
PVCC	447.7	308	ePn	1:49:09.20		0.12*	
DOPR	510.3	117	PnC	1:49:16.96		0.07*	
VOIR	519.6	124	PnC	1:49:18.48		0.44*	
NKC	563.1	296	ePn	1:49:23.80		0.33*	
WTTA	589.3	262	Pn	1:49:26.87		0.13*	

297.

2014-08-03 time: 11:22:55.55 UTC ML= 0.3
 lat: 47.403N lon: 17.988E h= 0.0 km
 erh= 2.4km erz= 300km
 nr= 6 gap=285 rms=0.18
 Locality: Ácsteszer
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	16.4	168	ePg	11:22:58.34		-0.15	
			eSg	23:01.00		0.22	
CSKK	21.1	102	ePg	11:22:59.20		-0.11	
			eSg	23:02.46		0.21	
PKSG	30.4	92	ePg	11:23:01.14		0.15	
			eSg	23:04.95		-0.28	

298.

2014-08-05 time: 5:15:36.69 UTC ML= 0.0
 lat: 47.291N lon: 18.174E h= 3.8 km
 erh= 6.1km erz= 6.9km
 nr= 6 gap=196 rms=0.11
 Locality: Balinka
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.4	39	ePgC	5:15:38.87		0.20	
			eSg	15:40.10		-0.11	
PKST	11.1	251	ePgD	5:15:38.73		-0.06	
			eSg	15:40.42		-0.01	
PKSG	19.9	56	ePg	5:15:40.21		-0.10	
			eSg	15:43.15		0.02	

299.

2014-08-05 time: 6:59:59.83 UTC ML= 1.1
 lat: 47.495N lon: 18.399E h= 0.0 km
 erh= 5.6km erz= 645km
 nr= 6 gap=317 rms=0.37
 Locality: Várgesztes
 Comments: probably explosion

Földrengés paraméterek

Hypocenter Parameters

sta	dist	azm	phase	hr mn sec	res
PKSG	11.5	183	ePgC	7:00:02.12	0.24
			eSg	00:03.09	-0.39
CSKK	18.0	216	ePgD	7:00:03.36	0.31
			eSg	00:05.31	-0.25
PKST	38.1	226	ePgC	7:00:06.13	-0.50
			eSg	00:12.44	0.51

300.

2014-08-05 time: 7:00:17.46 UTC ML= 1.0
 lat: 47.448N lon: 18.378E h= 0.0 km
 erh= 1.5km erz= 186km
 nr= 6 gap=300 rms=0.11
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.3	171	ePgC	7:00:18.58	0.00
			eSg	00:19.43	-0.03
CSKK	12.9	223	ePgD	7:00:19.89	0.12
			eSg	00:21.29	-0.28
PKST	33.4	231	ePgC	7:00:23.35	-0.07
			eSg	00:28.19	0.12

301.

2014-08-05 time: 12:15:08.75 UTC ML= 0.6
 lat: 47.480N lon: 18.021E h= 0.0 km
 erh= 6.4km erz= 805km
 nr= 6 gap=292 rms=0.48
 Locality: Kisbér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	22.3	126	ePgD	12:15:13.25	0.52
			eSg	15:16.30	0.47
PKST	24.6	178	ePgD	12:15:13.29	0.14
			eSg	15:16.22	-0.36
PKSG	29.6	109	ePgD	12:15:13.72	-0.31
			eSg	15:17.07	-1.08

302.

2014-08-06 time: 22:54:48.99 UTC ML= 0.2
 lat: 47.435N lon: 18.228E h= 10.0 km
 erh= 7.0km erz= 5.5km
 nr= 6 gap=255 rms=0.12
 Locality: Pusztavám
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.4	163	ePgC	22:54:51.34	0.03
			eSg	54:53.09	-0.04
PKSG	13.2	111	ePg	22:54:52.08	0.14
			eSg	54:54.14	-0.10
PKST	24.4	217	ePg	22:54:53.52	-0.18
			eSg	54:57.52	0.14

303.

2014-08-07 time: 11:34:16.25 UTC ML= 0.4
 lat: 47.451N lon: 18.079E h= 0.0 km
 erh= 2.3km erz= 290km
 nr= 6 gap=277 rms=0.17
 Locality: Bakonysárkány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.9	125	ePgC	11:34:19.54	0.28
			eSg	34:21.43	-0.17
PKST	21.6	189	ePg	11:34:19.96	-0.14
			eSg	34:23.18	0.07
PKSG	24.5	106	ePgC	11:34:20.51	-0.10

eSg 34:24.03 0.01

304.

2014-08-08 time: 9:16:25.32 UTC ML= 1.9
 lat: 48.909N lon: 20.487E h= 0.0 km
 erh= 3.7km erz= ***km
 nr= 10 gap=161 rms=0.85
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	47.4	180	ePg	9:16:34.00	0.22
			eSg	16:39.90	-0.47
IZAB	68.4	236	ePg	9:16:38.90	1.36
			eSg	16:46.70	-0.36
CRVS	71.4	91	ePg	9:16:38.70	0.63
			eSg	16:46.70	-1.31
LANS	79.3	290	eSg	9:16:50.10	-0.41
PSZ	118.6	202	ePg	9:16:46.52	0.02
VYHS	130.0	249	ePg	9:16:48.80	0.26
			eSg	17:03.90	-2.75

305.

2014-08-08 time: 11:42:51.82 UTC ML= 0.6
 lat: 47.471N lon: 18.072E h= 0.0 km
 erh= 3.7km erz= 349km
 nr= 5 gap=283 rms=0.17
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.6	130	ePgC	11:42:54.88	-0.26
PKST	23.7	187	ePgD	11:42:56.12	0.07
			eSg	42:59.25	-0.10
PKSG	25.6	110	ePgD	11:42:56.59	0.20
			eSg	43:00.00	0.05

306.

2014-08-08 time: 20:17:35.29 UTC ML= 1.8
 lat: 45.750N lon: 18.985E h= 2.0 km
 erh= 3.7km erz= 6.1km
 nr= 17 gap=168 rms=0.66
 Locality: Serbia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSM	57.9	333	ePgD	20:17:45.60	-0.03
			eSg	17:53.79	0.10
MORH	58.2	333	ePgD	20:17:45.69	0.01
			eSg	17:53.74	-0.05
PKSV	59.0	285	ePg	20:17:45.28	-0.55
			eSg	17:53.09	-0.97
PKS2	84.4	12	ePg	20:17:50.94	0.58
			eSg	18:01.48	-0.64
PKS6	104.6	25	ePg	20:17:53.71	-0.25
			eSg	18:07.52	-1.01
PKS9	107.9	330	ePg	20:17:54.82	0.26
			eSg	18:11.22	1.64
BZS	205.6	94	PnC	20:18:08.83	1.14
			Sn	18:31.20	-1.76
MDVR	239.6	117	PnC	20:18:13.28	1.34
			Sn	18:40.10	-0.42
PSZ	250.9	16	Sn	20:18:47.30	4.28*
HERR	285.8	110	Sn	20:18:47.80	-2.98*

Hypocenter Parameters

Földrengés paraméterek

307.
 2014-08-11 time: 8:11:45.52 UTC ML= 0.7
 lat: 45.929N lon: 18.694E h= 0.0 km
 erh= 2.2km erz= 223km
 nr= 6 gap=270 rms=0.14
 Locality: Kőlked
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	31.7	353	ePg	8:11:51.16	-0.03
			eSg	11:55.67	0.06
MORH	32.2	353	ePgD	8:11:51.20	-0.06
			eSg	11:55.77	0.03
PKSV	34.6	263	ePgD	8:11:51.85	0.15
			eSg	11:56.12	-0.40

308.
 2014-08-12 time: 6:53:19.24 UTC ML= 0.7
 lat: 47.398N lon: 18.464E h= 0.0 km
 erh= 6.3km erz= 431km
 nr= 6 gap=342 rms=0.25
 Locality: Csákvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.6	263	ePgC	6:53:20.54	0.31
			eSg	53:21.11	0.10
CSKK	15.8	256	ePgD	6:53:21.90	-0.17
			eSg	53:23.74	-0.53
PKST	36.0	245	ePgC	6:53:25.56	-0.10
			eSg	53:30.92	0.25

309.
 2014-08-12 time: 7:12:52.16 UTC ML= 1.3
 lat: 45.882N lon: 18.382E h= 0.0 km
 erh= 6.4km erz= 590km
 nr= 7 gap=245 rms=0.40
 Locality: Kisharsány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	10.1	274	ePgC	7:12:54.00	0.03
			eSg	12:55.06	-0.32
PKSM	41.8	29	ePgC	7:12:59.70	0.09
			eSg	13:04.79	-0.64
MORH	42.3	29	ePgC	7:12:59.75	0.05
			eSg	13:05.65	0.06
PKS9	78.7	354	ePg	7:13:08.00	1.78

310.
 2014-08-13 time: 10:36:09.41 UTC ML= 2.2
 lat: 46.491N lon: 16.247E h= 6.7 km
 erh= 1.5km erz= 1.0km
 nr= 51 gap= 64 rms=0.62
 Locality: Slovenia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	4.7	177	iPgD	10:36:11.21	0.34
			iSg	36:12.52	0.51
GROS	57.4	267	iPg	10:36:19.71	-0.01
DOBS	70.9	238	iPg	10:36:22.11	-0.02
			eSg	36:32.12	0.07
GOLS	71.8	222	iPg	10:36:22.70	0.42
			eSg	36:32.16	-0.16
CESS	83.5	226	iPg	10:36:24.79	0.43
GCIS	84.2	215	ePg	10:36:24.62	0.13
			eSg	36:35.68	-0.58
BISS	87.7	282	ePg	10:36:24.41	-0.69
PERS	88.2	281	iPg	10:36:24.59	-0.61

LEGS	93.7	230	iPgC	10:36:26.24	0.07
			iSg	36:38.29	-0.96
SOKA	95.4	283	Pg	10:36:25.34	-1.15
CRES	95.8	220	ePg	10:36:26.58	0.02
			eSg	36:39.40	-0.55
ARSA	100.9	327	Pg	10:36:26.57	-0.90
PDKS	107.5	244	iPg	10:36:28.30	-0.34
MPLH	124.2	53	ePn	10:36:30.41	-0.66
			eSn	36:46.68	-1.29
VNDS	126.7	250	iPn	10:36:31.38	-0.01
OBKA	130.4	271	Pn	10:36:32.39	0.54
EGYH	132.0	39	ePn	10:36:33.04	1.00
			eSn	36:50.16	0.46
VISS	132.9	235	iPn	10:36:32.21	0.05
BOJS	134.0	215	iPn	10:36:32.20	-0.10
SOP	134.7	10	ePn	10:36:33.40	1.02
			eSn	36:47.94	-2.36
MOZS	140.5	261	ePn	10:36:33.62	0.52
LJU	141.6	249	ePn	10:36:33.34	0.10
GBAS	152.4	246	iPn	10:36:34.77	0.18
GBRS	154.2	226	iPn	10:36:35.03	0.22
PKST	160.8	58	ePn	10:36:37.82	2.19
CONA	162.5	350	Pn	10:36:36.01	0.16
CEY	163.7	239	ePn	10:36:36.40	0.41
			eSn	36:59.41	2.68*
PKSV	168.6	113	ePn	10:36:35.47	-1.14
			eSn	36:58.33	0.50
KNDS	179.9	234	iPn	10:36:38.18	0.17
JAVS	181.1	249	iPn	10:36:38.43	0.26
PKSM	186.9	100	ePn	10:36:37.22	-1.66
MORH	187.0	99	ePn	10:36:37.20	-1.70
			eSn	36:58.26	-3.64*
VOJS	188.9	254	iPn	10:36:39.44	0.30
CADS	195.4	261	iPn	10:36:40.50	0.55
MYKA	200.4	274	Pn	10:36:40.56	-0.01
MOA	213.1	315	Pn	10:36:43.35	1.20
			Sn	37:08.09	0.40
KBA	231.1	286	Pn	10:36:45.50	1.10
ABTA	287.5	276	Pn	10:36:53.34	1.90
VYHS	296.1	41	ePn	10:36:54.60	2.10
KHC	355.2	326	ePn	10:37:01.90	2.03*
			eSn	37:38.70	-0.54*
WTTA	361.9	284	Pn	10:37:02.68	1.97*
WATA	368.1	285	Pn	10:37:03.36	1.88*
MOTA	403.2	284	Pn	10:37:07.28	1.42*

311.
 2014-08-13 time: 13:07:06.24 UTC ML= 0.9
 lat: 47.425N lon: 18.808E h= 0.3 km
 erh= 5.3km erz= 191km
 nr= 5 gap=349 rms=0.11
 Locality: Sóskút
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	31.7	263	ePg	13:07:11.84	-0.06
			eSg	07:16.20	-0.12
CSKK	41.9	260	ePg	13:07:13.88	0.16
			eSg	07:19.65	0.09
PKST	61.3	252	eSg	13:07:25.62	-0.11

312.
 2014-08-14 time: 6:12:34.56 UTC ML= 1.6
 lat: 47.952N lon: 19.883E h= 0.0 km
 erh= 2.3km erz= 710km
 nr= 6 gap=130 rms=0.44
 Locality: Dorogháza
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	3.8	167	ePgD	6:12:34.77	-0.47
			eSg	12:36.53	0.76
PENC	48.4	248	eSg	6:12:49.50	-0.46

Földrengés paraméterek

IZAB 69.8 350 ePg 6:12:47.00 -0.02
 KECS 74.1 37 eSg 6:12:58.50 0.37
 VYHS 98.4 308 eSg 6:13:06.20 0.35

313.

2014-08-15 time: 7:29:25.35 UTC ML= 0.6
 lat: 47.417N lon: 18.378E h= 0.0 km
 erh= 3.5km erz= 371km
 nr= 5 gap=285 rms=0.17
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	3.0	161	ePgC	7:29:25.90			0.01
			eSg		29:26.23		-0.08
CSKK	10.7	236	ePg	7:29:27.04			-0.22
			eSg		29:28.72		-0.03
PKST	31.4	236	ePg	7:29:31.25			0.30

314.

2014-08-15 time: 7:36:20.46 UTC ML= 0.9
 lat: 47.349N lon: 18.372E h= 0.0 km
 erh= 5.6km erz= 664km
 nr= 6 gap=232 rms=0.35
 Locality: Zámoly
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	5.0	16	ePgC	7:36:20.94			-0.41
			eSg		36:21.49		-0.55
CSKK	8.6	281	ePgD	7:36:22.27			0.28
			eSg		36:23.21		0.02
PKST	27.4	249	ePgC	7:36:25.75			0.39
			eSg		36:29.14		-0.04

315.

2014-08-15 time: 9:18:39.16 UTC ML= 2.3
 lat: 48.896N lon: 20.509E h= 0.0 km
 erh= 1.9km erz= 5.2km
 nr= 14 gap=112 rms=0.64
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
KECS	45.9	182	ePg	9:18:47.50			0.14
			eSg		18:53.40		-0.36
IZAB	69.0	238	ePg	9:18:51.90			0.42
			eSg		19:00.30		-0.79
CRVS	69.8	89	ePg	9:18:52.30			0.67
			eSg		19:01.00		-0.36
STHS	78.9	43	ePg	9:18:52.80			-0.46
			eSg		19:03.60		-0.65
LANS	81.3	290	ePg	9:18:54.30			0.62
			eSg		19:04.90		-0.11
PSZ	117.8	203	ePgD	9:19:01.14			0.94
			eSg		19:15.41		-1.21
VYHS	131.0	250	ePn	9:19:02.20			-0.11
			eSn		19:17.30		-3.07

316.

2014-08-16 time: 2:47:10.37 UTC ML= 1.4
 lat: 45.684N lon: 19.285E h= 13.0 km
 erh= 3.5km erz= 3.1km
 nr= 10 gap=274 rms=0.29
 Locality: Serbia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSM	77.0	320	ePgC	2:47:24.10			-0.21
			eSg		47:35.65		0.46

Hypocenter Parameters

MORH 77.2 320 ePgC 2:47:24.14 -0.21
 eSg 47:35.51 0.26
 PKSV 83.4 286 ePg 2:47:25.68 0.23
 eSg 47:37.16 -0.05
 PKS2 89.9 356 eP* 2:47:26.44 -0.14
 eS* 47:40.17 0.94
 PKS6 104.0 12 ePn 2:47:29.03 0.32
 eSn 47:42.30 -0.72

317.

2014-08-18 time: 12:09:32.53 UTC ML= 0.2
 lat: 47.470N lon: 18.073E h= 0.0 km
 erh= 4.4km erz= 581km
 nr= 6 gap=283 rms=0.34
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.5	130	ePg	12:09:36.30			0.47
			eSg		09:38.73		0.32
PKST	23.7	187	ePgC	12:09:36.80			0.04
			eSg		09:39.74		-0.31
PKSG	25.5	110	ePg	12:09:36.95			-0.13
			eSg		09:39.99		-0.65

318.

2014-08-19 time: 9:55:39.54 UTC ML= 1.1
 lat: 47.456N lon: 18.244E h= 0.0 km
 erh= 1.6km erz= 229km
 nr= 6 gap=267 rms=0.13
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.4	173	ePg	9:55:41.30			-0.09
			eSg		55:42.66		-0.17
PKSG	13.2	123	ePgC	9:55:41.90			0.01
			eSg		55:43.91		0.18
PKST	27.0	216	ePg	9:55:44.29			-0.07
			eSg		55:48.38		0.26

319.

2014-08-22 time: 6:21:20.47 UTC ML= 0.8
 lat: 47.458N lon: 18.402E h= 0.0 km
 erh= 2.2km erz= 258km
 nr= 6 gap=315 rms=0.15
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.5	187	ePgC	6:21:21.91			0.10
			eSg		21:22.55		-0.30
CSKK	15.1	225	ePgD	6:21:23.27			0.11
			eSg		21:25.26		0.00
PKST	35.6	231	ePgC	6:21:26.65			-0.17
			eSg		21:31.96		0.18

320.

2014-08-22 time: 10:52:44.38 UTC ML= 0.3
 lat: 47.466N lon: 18.070E h= 0.0 km
 erh= 1.4km erz= 183km
 nr= 6 gap=282 rms=0.11
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.4	129	ePgC	10:52:47.82			0.15
			eSg		52:50.32		0.09
PKST	23.2	187	ePg	10:52:48.49			-0.04
			eSg		52:51.69		-0.07

Hypocenter Parameters

PKSG 25.6 109 ePg 10:52:48.86 -0.09
eSg 52:52.38 -0.13

321.

2014-08-25 time: 7:36:07.38 UTC ML= 0.5
lat: 47.430N lon: 18.369E h= 0.0 km
erh= 7.7km erz= 925km
nr= 6 gap=286 rms=0.54
Locality: Gánt
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.5	159	ePgC	7:36:07.98	-0.21
			eSg	36:08.78	-0.03
CSKK	11.1	228	ePgD	7:36:09.35	-0.01
			eSg	36:11.70	0.80
PKST	31.6	233	ePg	7:36:13.43	0.40
			eSg	36:15.86	-1.58

322.

2014-08-25 time: 7:36:40.69 UTC ML= 0.6
lat: 47.411N lon: 18.341E h= 0.0 km
erh= 6.9km erz= 627km
nr= 6 gap=246 rms=0.37
Locality: Gánt
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.4	120	ePgC	7:36:41.27	-0.19
			eSg	36:42.01	-0.06
CSKK	8.1	228	ePgD	7:36:42.57	0.43
			eSg	36:43.47	0.20
PKST	28.7	234	ePg	7:36:45.84	0.02
			eSg	36:48.80	-1.01

323.

2014-08-25 time: 11:22:31.52 UTC ML= 0.3
lat: 47.462N lon: 18.054E h= 0.0 km
erh= 2.2km erz= 295km
nr= 6 gap=283 rms=0.17
Locality: Vérteskethely
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.1	125	ePg	11:22:35.25	0.32
			eSg	22:37.61	0.02
PKST	22.6	184	ePg	11:22:35.56	0.00
			eSg	22:38.61	-0.10
PKSG	26.6	107	ePg	11:22:36.05	-0.22
			eSg	22:39.96	-0.02

324.

2014-08-25 time: 22:07:10.54 UTC ML= 1.1
lat: 47.748N lon: 18.374E h= 11.1 km
erh= 2.6km erz= 1.7km
nr= 18 gap=130 rms=0.68
Locality: Neszmély
Comments:

sta	dist	azm	phase	hr mn sec	res
SRO2	2.2	43	ePg	22:07:11.70	-0.87
			eSg	07:13.00	-1.15
PKSG	39.6	178	ePg	22:07:18.33	0.44
			eSg	07:23.50	-0.13
CSKK	43.6	191	ePgD	22:07:19.16	0.58
			eSg	07:24.93	0.07
PKST	60.1	205	ePgD	22:07:21.13	-0.32
			eSg	07:29.57	-0.40
EGYH	86.6	245	ePg	22:07:27.07	0.94
			eSg	07:37.65	-0.65

Földrengés paraméterek

VYHS 89.8 23 ePg 22:07:27.70 1.00
eSg 07:38.60 -0.70

MPLH 89.9 224 ePg 22:07:27.13 0.41
eSg 07:39.37 0.02

MODS 107.3 310 ePn 22:07:29.10 -0.43
eSn 07:42.00 -2.35

MORH 171.6 173 eSn 22:07:57.48 -1.12
PKSM 172.0 173 eSn 22:07:58.21 -0.49

325.

2014-08-27 time: 6:04:51.84 UTC ML= 0.7
lat: 47.454N lon: 18.205E h= 0.0 km
erh= 2.3km erz= 326km
nr= 6 gap=266 rms=0.20
Locality: Bokod
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.9	157	ePg	6:04:53.98	0.19
			eSg	04:55.47	0.16
PKSG	15.6	116	ePg	6:04:54.56	-0.07
			eSg	04:56.36	-0.44
PKST	25.2	211	ePgD	6:04:56.44	0.10
			eSg	04:59.64	-0.21

326.

2014-08-27 time: 10:03:31.27 UTC ML= 1.8
lat: 48.454N lon: 19.422E h= 0.0 km
erh= 8.8km erz=15.2km
nr= 13 gap=143 rms=2.56
Locality: Slovakia
Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
IZAB	25.0	59	ePg	10:03:35.90	0.17
			eSg	03:39.60	0.39
VYHS	43.6	276	ePg	10:03:37.80	-1.25
			eSg	03:42.50	-2.62
PSZ	69.1	149	ePg	10:03:43.63	0.02
			eSg	03:52.61	-0.63
PENC	74.5	188	ePg	10:03:47.80	3.23
			eSg	03:53.73	-1.22
KECS	78.7	88	ePg	10:03:44.30	-1.02
			eSg	03:55.30	-0.99
PKSG	141.0	213	eSn	10:04:11.32	-3.77
CSKK	149.2	216	eSn	10:04:15.32	-1.58
MODS	159.1	267	e n	10:04:12.40	14.26

327.

2014-08-27 time: 14:19:39.10 UTC ML= 1.9
lat: 48.100N lon: 19.882E h= 0.3 km
erh= 2.7km erz= 379km
nr= 8 gap=131 rms=0.47
Locality: Rónafalu
Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	20.3	177	ePgD	14:19:42.54	-0.17
			eSg	19:45.22	-0.31
IZAB	53.6	346	ePg	14:19:49.30	0.63
			eSg	19:55.80	-0.33
KECS	61.8	46	ePg	14:19:50.10	-0.03
			eSg	19:57.70	-1.04
VYHS	89.1	299	ePg	14:19:55.40	0.39
			eSg	20:06.30	-1.11

Földrengés paraméterek

Hypocenter Parameters

328.

2014-08-28 time: 8:01:32.65 UTC ML= 1.1
 lat: 45.848N lon: 18.415E h= 0.0 km
 erh= 7.9km erz= 854km
 nr= 7 gap=266 rms=0.58
 Locality: Nagyharsány
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSV	13.4	289	ePg	8:01:34.84			-0.20
			eSg		01:36.70		-0.21
PKSM	44.0	23	ePgc	8:01:40.60			0.09
			eSg		01:45.47		-1.18
MORH	44.5	23	ePgc	8:01:40.61			0.01
			eSg		01:46.61		-0.20
PKS9	82.8	353	ePg	8:01:48.71			1.28

329.

2014-08-28 time: 9:02:28.19 UTC ML= 0.4
 lat: 45.969N lon: 18.647E h= 0.0 km
 erh= 0.7km erz=59.3km
 nr= 5 gap=254 rms=0.03
 Locality: Mohács
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSM	27.0	359	ePg	9:02:33.03			0.02
			eSg		02:36.75		-0.03
MORH	27.5	360	ePg	9:02:33.06			-0.03
			eSg		02:36.96		0.04
PKSV	31.9	254	eSg	9:02:38.34			0.01

330.

2014-08-29 time: 7:14:04.27 UTC ML= 0.7
 lat: 47.456N lon: 18.408E h= 0.0 km
 erh= 5.5km erz= 556km
 nr= 5 gap=318 rms=0.25
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.3	190	ePgc	7:14:05.74			0.17
			eSg		14:06.21		-0.38
CSKK	15.2	227	ePgD	7:14:07.16			0.18
			eSg		14:09.27		0.17
PKST	35.7	232	ePg	7:14:10.28			-0.37

331.

2014-08-29 time: 10:24:17.92 UTC ML= 0.4
 lat: 47.441N lon: 18.057E h= 0.0 km
 erh= 2.6km erz= 340km
 nr= 6 gap=277 rms=0.22
 Locality: Aka
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	17.6	119	ePg	10:24:21.32			0.26
			eSg		24:23.57		0.06
PKST	20.3	185	ePg	10:24:21.73			0.19
			eSg		24:24.07		-0.29
PKSG	25.7	102	ePgc	10:24:22.46			-0.05
			eSg		24:25.71		-0.39

332.

2014-09-01 time: 7:10:26.94 UTC ML= 0.0
 lat: 47.181N lon: 18.221E h= 0.0 km
 erh= 2.7km erz= 315km
 nr= 6 gap=273 rms=0.18
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	16.6	301	ePgD	7:10:29.88			-0.02
			eSg		10:32.30		0.09
CSKK	20.5	8	ePgD	7:10:30.56			-0.03
			eSg		10:32.90		-0.54
PKSG	26.7	29	ePgD	7:10:31.71			0.00
			eSg		10:35.79		0.36

333.

2014-09-02 time: 0:28:02.60 UTC ML= 1.0
 lat: 47.358N lon: 18.829E h= 2.9 km
 erh= 2.1km erz= 2.2km
 nr= 14 gap=134 rms=0.35
 Locality: Tárnok
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BUD	20.3	46	ePg	0:28:06.53			0.26
			eSg		28:09.09		-0.04
PKSG	33.3	277	ePgc	0:28:08.75			0.17
			eSg		28:13.05		-0.18
CSKK	42.9	271	ePg	0:28:10.54			0.25
			eSg		28:16.36		0.07
PENC	59.0	35	ePg	0:28:12.45			-0.70
			eSg		28:21.00		-0.37
PKST	61.1	260	ePg	0:28:13.50			-0.02
			eSg		28:21.50		-0.54
PSZ	101.5	52	ePg	0:28:21.59			0.86
			eSg		28:34.95		0.07
VYHS	126.3	0	ePn	0:28:25.00			-0.02
MORH	127.7	186	eSn	0:28:42.66			-0.14

334.

2014-09-02 time: 8:35:59.85 UTC ML= 1.0
 lat: 47.440N lon: 18.402E h= 0.0 km
 erh= 0.9km erz= 103km
 nr= 6 gap=315 rms=0.06
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	5.4	189	ePgc	8:36:00.85			0.03
			eSg		36:01.62		0.04
CSKK	13.7	231	ePgD	8:36:02.24			-0.05
			eSg		36:04.06		-0.14
PKST	34.3	234	ePgc	8:36:06.01			0.03
			eSg		36:10.83		0.08

335.

2014-09-02 time: 8:36:18.42 UTC ML= 0.9
 lat: 47.436N lon: 18.448E h= 0.0 km
 erh= 8.2km erz= 597km
 nr= 5 gap=341 rms=0.29
 Locality: Csákvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	6.5	221	ePgc	8:36:19.82			0.23
			eSg		36:20.42		-0.08
CSKK	16.3	240	ePgD	8:36:21.20			-0.13
			eSg		36:23.00		-0.60
PKST	36.9	238	eSg	8:36:30.54			0.38

Hypocenter Parameters

Földrengés paraméterek

336.

2014-09-02 time: 9:04:21.21 UTC ML= 0.8
 lat: 47.064N lon: 18.021E h= 0.0 km
 erh= 3.0km erz= 730km
 nr= 8 gap=170 rms=0.52
 Locality: Balatonfűzfő
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	20.7	208	ePg	9:04:24.82			-0.08
			eSg	04:28.12			0.34
PKST	21.7	3	ePg	9:04:24.76			-0.32
			eSg	04:28.60			0.51
CSKK	37.9	29	ePg	9:04:27.98			0.01
MPLH	38.3	288	ePg	9:04:28.83			0.77
			eSg	04:32.01			-1.39
PKSG	45.9	38	ePg	9:04:29.11			-0.30

337.

2014-09-03 time: 3:13:53.49 UTC ML= 0.5
 lat: 47.291N lon: 18.340E h= 10.0 km
 erh= 5.8km erz= 6.1km
 nr= 6 gap=242 rms=0.28
 Locality: Magyaralmás
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	10.0	323	ePg	3:13:55.71			-0.31
			eSg	13:57.66			-0.33
PKSG	11.9	19	ePg	3:13:56.43			0.17
			eSg	13:58.67			0.25
PKST	23.4	261	ePg	3:13:57.94			-0.09
			eSg	14:02.05			0.48

338.

2014-09-03 time: 11:58:14.36 UTC ML= 0.5
 lat: 47.158N lon: 18.320E h= 0.0 km
 erh= 3.2km erz= 433km
 nr= 6 gap=286 rms=0.26
 Locality: Sárszentmihály
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	23.2	349	ePg	11:58:18.30			-0.21
			eSg	58:22.07			0.32
PKST	24.4	297	ePg	11:58:18.72			0.00
			eSg	58:21.87			-0.25
PKSG	26.5	12	ePg	11:58:19.47			0.37
			eSg	58:22.50			-0.29

339.

2014-09-05 time: 6:38:57.09 UTC ML= 0.8
 lat: 47.456N lon: 18.409E h= 0.0 km
 erh= 3.4km erz= 390km
 nr= 6 gap=319 rms=0.23
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	7.3	191	ePgC	6:38:58.58			0.18
			eSg	38:59.18			-0.23
CSKK	15.3	227	ePgD	6:38:59.91			0.09
			eSg	39:01.78			-0.16
PKST	35.8	232	ePgD	6:39:03.22			-0.27
			eSg	39:08.88			0.40

340.

2014-09-05 time: 6:41:32.39 UTC ML= 1.0
 lat: 47.237N lon: 18.538E h= 0.0 km
 erh= 5.8km erz= 705km
 nr= 6 gap=307 rms=1.16
 Locality: Pákozd
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	20.5	327	ePgC	6:41:35.87			-0.18
			eSg	41:36.40			-2.51
CSKK	25.2	304	ePgD	6:41:37.24			0.35
			eSg	41:39.62			-0.79
PKST	38.2	274	ePg	6:41:41.14			1.93
			eSg	41:44.30			-0.22

341.

2014-09-05 time: 6:54:00.17 UTC ML= 0.7
 lat: 47.397N lon: 18.439E h= 5.1 km
 erh= 9.9km erz= 3.0km
 nr= 6 gap=342 rms=0.19
 Locality: Csákvár
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSG	3.7	262	ePgC	6:54:01.46			0.17
			eSg	54:02.00			-0.17
CSKK	14.0	255	ePgC	6:54:02.80			-0.03
			eSg	54:04.79			-0.11
PKST	34.2	243	ePg	6:54:06.13			-0.21
			eSg	54:11.60			0.44

342.

2014-09-05 time: 11:48:55.43 UTC ML= 0.5
 lat: 47.190N lon: 18.312E h= 0.0 km
 erh= 1.8km erz= 217km
 nr= 6 gap=275 rms=0.13
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	19.6	349	ePgD	11:48:58.85			-0.08
			eSg	49:01.30			-0.36
PKST	22.3	290	ePgD	11:48:59.48			0.06
			eSg	49:02.60			0.07
PKSG	23.2	15	ePg	11:48:59.57			0.00
			eSg	49:03.00			0.20

343.

2014-09-08 time: 9:38:01.84 UTC ML= 1.2
 lat: 48.095N lon: 20.630E h= 0.5 km
 erh= 1.5km erz= 113km
 nr= 6 gap=264 rms=0.25
 Locality: Bükkszentlászló
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KECS	44.5	346	ePg	9:38:10.00			0.21
			eSg	38:15.50			-0.48
PSZ	58.3	250	ePg	9:38:12.22			-0.02
			eSg	38:20.23			-0.13
IZAB	86.0	308	ePg	9:38:17.50			0.30
			eSg	38:29.00			-0.19

Földrengés paraméterek

Hypocenter Parameters

344.

2014-09-08 time: 9:57:08.38 UTC ML= 0.8
 lat: 48.054N lon: 20.305E h= 0.0 km
 erh= 4.7km erz= 826km
 nr= 6 gap=228 rms=0.48
 Locality: Mikófalva
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	34.2	244	ePg	9:57:14.28	-0.20
			eSg	57:20.03	0.79
KECS	49.6	16	ePg	9:57:17.20	-0.04
			eSg	57:24.80	0.66
IZAB	72.2	322	ePg	9:57:20.60	-0.67
			eSg	57:31.30	-0.03

345.

2014-09-08 time: 11:51:44.04 UTC ML= 1.8
 lat: 48.365N lon: 19.840E h= 0.0 km
 erh= 1.4km erz= 406km
 nr= 8 gap=106 rms=0.30
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
IZAB	24.6	337	ePg	11:51:48.60	0.17
			eSg	51:52.30	0.45
KECS	49.6	75	ePg	11:51:52.70	-0.19
			eSg	51:58.90	-0.90
PSZ	49.8	175	ePgc	11:51:53.10	0.17
			eSg	51:59.98	0.11
VYHS	75.7	281	ePg	11:51:57.50	-0.05
			eSg	52:07.10	-0.99

346.

2014-09-09 time: 6:34:09.51 UTC ML= 0.8
 lat: 47.356N lon: 18.425E h= 0.0 km
 erh= 2.0km erz= 259km
 nr= 6 gap=283 rms=0.15
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.7	326	ePgc	6:34:10.34	-0.01
			eSg	34:10.90	-0.11
CSKK	12.5	273	ePgc	6:34:11.68	-0.05
			eSg	34:13.73	0.26
PKST	31.5	250	ePg	6:34:15.29	0.16
			eSg	34:19.22	-0.29

347.

2014-09-09 time: 6:34:38.99 UTC ML= 0.6
 lat: 47.363N lon: 18.450E h= 0.0 km
 erh= 1.3km erz= 135km
 nr= 5 gap=304 rms=0.06
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.5	306	ePgc	6:34:40.05	0.08
			eSg	34:40.66	-0.08
CSKK	14.3	270	ePgc	6:34:41.47	-0.07
			eSg	34:43.55	0.01
PKST	33.5	250	ePg	6:34:45.00	0.03

348.

2014-09-09 time: 6:41:50.93 UTC ML= 0.6
 lat: 47.399N lon: 18.455E h= 5.4 km
 erh= 0.1km erz= --km
 nr= 5 gap=344 rms=0.39
 Locality: Csákvár
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	4.9	260	ePgd	6:41:52.40	0.17
			eSg	41:53.08	-0.16
CSKK	15.2	255	ePgd	6:41:53.69	-0.12
			eSg	41:55.38	-0.67
PKST	35.4	244	eSg	6:42:03.10	0.79

349.

2014-09-09 time: 15:40:34.12 UTC ML= 1.3
 lat: 48.426N lon: 19.531E h= 0.0 km
 erh= 2.1km erz= 771km
 nr= 10 gap=122 rms=0.61
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
IZAB	20.8	40	ePg	15:40:37.90	0.07
			eSg	40:40.80	0.08
VYHS	52.0	278	ePg	15:40:43.40	0.00
			eSg	40:49.80	-0.84
PSZ	62.6	154	ePgc	15:40:45.59	0.30
			eSg	40:54.02	0.01
KECS	70.9	85	ePg	15:40:46.40	-0.37
			eSg	40:56.10	-0.54
PENC	73.1	195	ePgc	15:40:48.40	1.23
			eSg	40:56.33	-1.02

350.

2014-09-10 time: 11:37:39.64 UTC ML= 0.4
 lat: 47.216N lon: 18.288E h= 0.0 km
 erh= 2.3km erz= 308km
 nr= 6 gap=262 rms=0.19
 Locality: Iszkszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.5	353	ePg	11:37:42.36	-0.23
			eSg	37:44.65	-0.24
PKST	19.8	284	ePg	11:37:43.12	-0.05
			eSg	37:46.04	0.12
PKSG	21.1	22	ePg	11:37:43.58	0.18
			eSg	37:46.61	0.27

351.

2014-09-11 time: 6:49:54.70 UTC ML= 1.1
 lat: 48.041N lon: 19.635E h= 0.0 km
 erh= 0.8km erz= 280km
 nr= 9 gap=98 rms=0.22
 Locality: Sóshartyán
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	23.7	125	ePgc	6:49:59.09	0.16
			eSg	50:02.09	-0.14
PENC	38.4	223	ePg	6:50:01.41	-0.15
			eSg	50:06.79	-0.12
IZAB	58.9	6	ePg	6:50:05.40	0.18
			eSg	50:13.60	0.17
VYHS	77.8	310	ePg	6:50:08.90	0.31
			eSg	50:19.10	-0.33
KECS	80.0	52	ePg	6:50:08.70	-0.28

Hypocenter Parameters

Földrengés paraméterek

352.

2014-09-15 time: 7:28:05.45 UTC ML= 0.7
 lat: 47.411N lon: 18.362E h= 0.0 km
 erh= 2.1km erz= 204km
 nr= 6 gap=260 rms=0.12
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	3.1	135	ePgC	7:28:05.90	-0.09
			eSg	28:06.51	0.09
CSKK	9.4	235	ePgC	7:28:07.23	0.11
			eSg	28:08.11	-0.31
PKST	30.0	236	ePg	7:28:10.82	0.01
			eSg	28:15.04	0.05

353.

2014-09-15 time: 7:28:23.76 UTC ML= 0.7
 lat: 47.451N lon: 18.408E h= 0.0 km
 erh= 2.9km erz= 342km
 nr= 6 gap=318 rms=0.20
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.6	191	ePgC	7:28:25.09	0.14
			eSg	28:25.66	-0.21
CSKK	14.8	229	ePgC	7:28:26.46	0.06
			eSg	28:28.38	-0.07
PKST	35.4	233	ePg	7:28:29.77	-0.30
			eSg	28:35.33	0.33

354.

2014-09-15 time: 10:14:57.17 UTC ML= 0.7
 lat: 47.209N lon: 18.300E h= 0.0 km
 erh= 7.6km erz= 895km
 nr= 5 gap=276 rms=0.41
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.4	350	ePg	10:14:59.92	-0.37
			eSg	15:03.39	0.67
PKST	20.9	286	ePgD	10:15:00.59	-0.31
			eSg	15:03.69	-0.12
MPLH	57.8	266	ePg	10:15:07.96	0.47

355.

2014-09-15 time: 13:37:13.50 UTC ML= 0.8
 lat: 47.218N lon: 18.291E h= 0.0 km
 erh= 5.2km erz= 717km
 nr= 7 gap=243 rms=0.47
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.3	352	ePgD	13:37:16.68	0.28
			eSg	37:18.45	-0.21
PKST	19.9	283	ePgD	13:37:16.57	-0.48
			eSg	37:19.27	-0.56
PKSG	20.7	21	ePg	13:37:17.04	-0.16
			eSg	37:20.52	0.44
TIH	46.5	220	eSg	13:37:33.45	5.16*
MPLH	57.2	265	eSg	13:37:32.63	0.96

356.

2014-09-16 time: 9:21:07.25 UTC ML= 1.8
 lat: 48.633N lon: 20.728E h= 0.0 km
 erh= 1.5km erz= 2.2km
 nr= 10 gap=157 rms=0.36
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	24.5	227	ePg	9:21:11.40	-0.21
			eSg	21:15.40	0.38
CRVS	61.6	61	ePg	9:21:18.30	0.04
			eSg	21:26.60	-0.24
PSZ	100.7	218	ePgD	9:21:25.69	0.46
			eSg	21:38.56	-0.70
LANS	108.9	302	ePg	9:21:27.10	0.41
			eSg	21:41.70	-0.16
KOLS	118.3	74	eSg	9:21:42.30	-2.56*
VYHS	140.5	264	ePn	9:21:31.60	-0.20
			eSn	21:50.60	-0.35

357.

2014-09-16 time: 14:47:28.49 UTC ML= 0.3
 lat: 47.409N lon: 18.189E h= 5.4 km
 erh= 5.6km erz= 6.5km
 nr= 6 gap=242 rms=0.10
 Locality: Pusztavám
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	7.4	133	ePgC	14:47:30.23	0.10
			eSg	47:31.28	-0.13
PKSG	15.4	97	ePgD	14:47:31.47	0.07
			eSg	47:33.55	-0.12
PKST	20.3	215	ePg	14:47:32.14	-0.11
			eSg	47:35.26	0.08

358.

2014-09-17 time: 8:05:58.75 UTC ML= 1.4
 lat: 45.804N lon: 18.409E h= 0.0 km
 erh= 9.5km erz= ***km
 nr= 6 gap=286 rms=0.74
 Locality: Kásád
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	15.4	308	ePg	8:06:01.29	-0.20
			eSg	06:03.25	-0.38
PKSM	48.8	22	ePg	8:06:06.97	-0.49
			eSg	06:12.98	-1.27
PKS9	87.6	353	ePgD	8:06:15.19	0.80
			eSg	06:27.66	1.06

359.

2014-09-17 time: 9:55:12.57 UTC ML= 0.5
 lat: 47.199N lon: 18.311E h= 0.0 km
 erh= 1.9km erz= 223km
 nr= 5 gap=272 rms=0.10
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.7	348	ePgD	9:55:15.77	-0.14
			eSg	55:18.66	0.15
PKST	22.0	288	ePgD	9:55:16.57	0.07
			eSg	55:19.49	-0.07
PKSG	22.3	16	ePg	9:55:16.59	0.04

Földrengés paraméterek

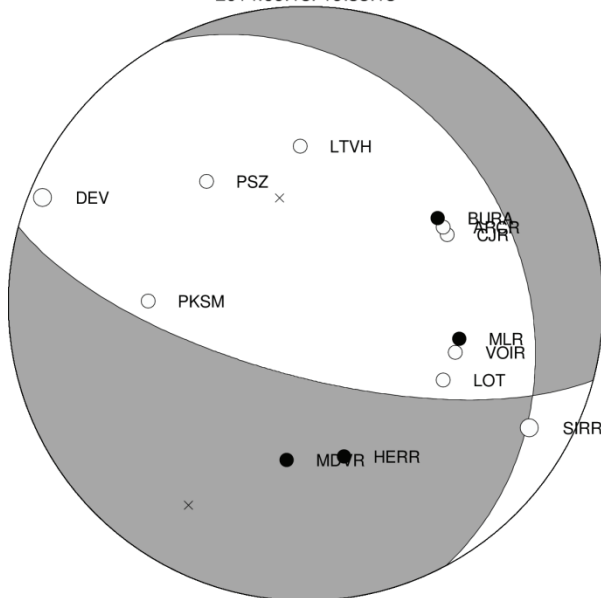
Hypocenter Parameters

360.

2014-09-18 time: 19:38:13.40 UTC ML= 2.1
 lat: 46.153N lon: 21.958E h= 7.0 km
 erh= 2.2km erz= 2.3km
 nr= 23 gap= 59 rms=0.95
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
SIRR	26.3	299	PgD	19:38:18.83	0.56
			Sg	38:22.10	0.03
BZS	65.2	204	Sg	19:38:32.90	-1.34
DEV	79.1	112	PgD	19:38:27.54	-0.04
			Sg	38:37.00	-1.64
BANR	106.8	217	Sg	19:38:47.20	-0.24
LTVH	137.1	358	ePnD	19:38:36.35	-0.28
			eSn	38:52.99	-1.76
CJR	140.6	64	PnD	19:38:36.96	-0.12
			Sn	38:54.70	-0.84
HERR	145.8	166	PnC	19:38:39.16	1.44
			Sn	38:57.40	0.72
MDVR	153.6	187	PnC	19:38:39.65	0.96
			Sn	38:58.10	-0.31
LOT	161.1	119	PnD	19:38:41.38	1.75
ARCR	210.8	61	PnD	19:38:46.74	0.92
			Sn	39:11.70	0.59
PSZ	251.3	321	ePnD	19:38:50.27	-0.60
			eSn	39:15.89	-4.21*
VOIR	253.2	108	PnD	19:38:51.12	0.01
			Sn	39:19.70	-0.82
PKSM	256.2	271	ePnD	19:38:49.07	-2.41
			eSn	39:17.60	-3.58*
DOPR	266.3	94	Sn	19:39:27.70	4.28*
BURA	296.9	57	PnC	19:38:56.36	-0.20
MLR	318.5	103	PnC	19:38:57.26	-1.99*

2014.09.18. 19:38:13



361.

2014-09-19 time: 8:16:14.95 UTC ML= 1.0
 lat: 47.090N lon: 18.001E h= 0.0 km
 erh= 5.6km erz= 736km
 nr= 6 gap=251 rms=0.44
 Locality: Litér
 Comments: probably explosion

sta dist azm phase hr mn sec res

PKST	19.0	8	ePg	8:16:17.55	-0.79
			eSg	16:20.73	-0.25
MPLH	36.2	284	ePg	8:16:21.39	-0.02
			eSg	16:26.76	0.32
CSKK	36.2	33	ePg	8:16:21.87	0.46
			eSg	16:26.78	0.33

362.

2014-09-19 time: 10:12:46.27 UTC ML= 1.1
 lat: 47.076N lon: 18.047E h= 0.0 km
 erh= 2.1km erz= 708km
 nr= 11 gap=118 rms=0.57
 Locality: Papkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.3	357	ePgD	10:12:48.82	-1.08
			eSg	12:52.88	0.15
TIH	22.8	211	ePgD	10:12:50.37	0.02
			eSg	12:54.30	0.77
CSKK	35.8	27	ePg	10:12:53.20	0.54
			eSg	12:58.13	0.49
MPLH	39.9	285	eSg	10:12:58.64	-0.31
PKSG	43.7	37	ePg	10:12:53.92	-0.15
			eSg	13:01.23	1.07
PKSM	106.3	155	ePg	10:13:05.34	0.08
			eSg	13:19.13	-0.94

363.

2014-09-19 time: 10:48:47.94 UTC ML= 0.6
 lat: 47.182N lon: 18.294E h= 0.0 km
 erh= 2.1km erz= 608km
 nr= 8 gap=149 rms=0.43
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.3	353	ePg	10:48:51.15	-0.41
			eSg	48:54.80	0.42
PKST	21.4	293	ePg	10:48:51.61	-0.16
			eSg	48:54.87	0.11
PKSG	24.4	17	ePg	10:48:52.02	-0.28
			eSg	48:55.88	0.18
PKSM	111.1	166	ePg	10:49:08.67	0.88
			eSg	49:22.75	-0.51

364.

2014-09-19 time: 13:45:53.25 UTC ML= 1.2
 lat: 48.498N lon: 19.435E h= 5.5 km
 erh= 0.6km erz= 7.4km
 nr= 6 gap=182 rms=0.38
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
VYHS	44.3	270	ePg	13:46:01.30	0.08
			eSg	46:06.80	-0.63
PSZ	72.9	152	ePgC	13:46:06.75	0.45
			eSg	46:16.09	-0.40
KECS	77.7	91	ePg	13:46:07.40	0.24
			eSg	46:17.60	-0.41

365.

2014-09-19 time: 22:58:58.97 UTC ML= 1.8
 lat: 48.373N lon: 19.442E h= 1.2 km
 erh= 1.9km erz= 4.1km
 nr= 15 gap= 75 rms=0.63
 Locality: Slovakia
 Comments:

Hypocenter Parameters

Földrengés paraméterek

sta	dist	azm	phase	hr mn sec	res
VYHS	46.8	287	ePg	22:59:07.90	0.56
			eSg	59:13.40	-0.47
PSZ	60.7	146	ePgD	22:59:10.33	0.52
			eSg	59:17.72	-0.55
PENC	65.8	190	ePg	22:59:10.95	0.22
			eSg	59:19.32	-0.58
KECS	78.2	81	ePg	22:59:12.70	-0.24
			eSg	59:21.70	-2.13
LANS	86.5	1	ePg	22:59:14.90	0.48
			eSg	59:25.20	-1.28
SRO2	103.5	229	ePg	22:59:17.70	0.25
			eSg	59:28.40	-3.46*
SRO	104.6	234	ePg	22:59:17.60	-0.05
			eSg	59:30.50	-1.72
CRVS	160.0	68	eSn	22:59:46.80	0.05

366.

2014-09-20 time: 7:03:43.89 UTC ML= 1.1
 lat: 48.059N lon: 19.652E h= 0.0 km
 erh= 1.6km erz= 476km
 nr= 7 gap=104 rms=0.32
 Locality: Sóshartyán
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	24.0	131	ePgD	7:03:48.14	-0.03
			eSg	03:52.00	0.49
PENC	40.7	223	ePg	7:03:50.45	-0.71
			eSg	03:56.96	0.13
VYHS	77.5	309	ePg	7:03:57.90	0.17
			eSg	04:08.70	0.18
KECS	77.8	53	ePg	7:03:57.70	-0.09

367.

2014-09-24 time: 11:09:13.96 UTC ML= 0.4
 lat: 47.191N lon: 18.295E h= 0.0 km
 erh= 1.4km erz= 163km
 nr= 6 gap=273 rms=0.10
 Locality: Sárkeszi
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.3	352	ePgC	11:09:17.46	0.06
			eSg	09:19.79	-0.30
PKST	21.1	291	ePgC	11:09:17.78	0.05
			eSg	09:20.66	-0.01
PKSG	23.4	18	ePg	11:09:18.05	-0.09
			eSg	09:21.50	0.09

368.

2014-09-24 time: 16:38:16.31 UTC ML= 1.7
 lat: 48.032N lon: 19.438E h= 8.5 km
 erh= 0.9km erz= 1.0km
 nr= 10 gap= 92 rms=0.23
 Locality: Iliny
 Comments:

sta	dist	azm	phase	hr mn sec	res
PENC	29.3	204	ePg	16:38:21.39	-0.37
			eSg	38:26.00	-0.01
PSZ	36.4	110	ePgC	16:38:23.19	0.21
			eSg	38:28.01	-0.17
IZAB	63.1	19	ePg	16:38:27.60	-0.07
VYHS	68.1	319	ePg	16:38:28.60	0.04
			eSg	38:36.70	-1.41*
PKSG	106.1	228	eSg	16:38:50.49	0.36
PKST	136.1	231	eSn	16:38:57.20	0.10
PKS6	159.5	177	eSn	16:39:02.10	-0.21

369.

2014-09-25 time: 7:17:43.20 UTC ML= 1.2
 lat: 48.037N lon: 19.607E h= 0.0 km
 erh= 2.1km erz= 556km
 nr= 7 gap=114 rms=0.40
 Locality: Nagylóc
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	25.2	122	ePgD	7:17:47.62	-0.08
			eSg	17:51.17	-0.05
PENC	36.7	222	ePgD	7:17:49.88	0.14
			eSg	17:53.49	-1.36
IZAB	59.6	8	ePg	7:17:54.10	0.26
VYHS	76.5	312	ePg	7:17:57.30	0.45
			eSg	18:07.00	-0.51

370.

2014-09-25 time: 10:36:17.65 UTC ML= 0.6
 lat: 47.205N lon: 18.305E h= 0.0 km
 erh= 5.1km erz= 717km
 nr= 7 gap=249 rms=0.51
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.9	349	ePg	10:36:20.64	-0.21
			eSg	36:23.01	-0.34
PKST	21.4	286	ePg	10:36:20.90	-0.56
			eSg	36:23.95	-0.49
PKSG	21.8	17	eSg	10:36:25.11	0.53
MPLH	58.1	266	ePg	10:36:28.49	0.46
			eSg	36:36.98	0.85

371.

2014-09-26 time: 7:28:10.69 UTC ML= 1.4
 lat: 47.457N lon: 18.440E h= 0.0 km
 erh= 4.0km erz= 381km
 nr= 6 gap=333 rms=0.22
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.1	207	ePgC	7:28:12.41	0.28
			eSg	28:12.88	-0.38
CSKK	17.0	232	ePgC	7:28:13.68	-0.05
			eSg	28:16.16	0.06
PKST	37.7	234	ePgC	7:28:17.21	-0.20
			eSg	28:22.91	0.25

372.

2014-09-26 time: 7:28:52.14 UTC ML= 1.2
 lat: 47.334N lon: 18.530E h= 0.0 km
 erh= 8.1km erz= 793km
 nr= 6 gap=316 rms=0.48
 Locality: Lovasberény
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	12.3	301	ePgC	7:28:54.77	0.43
			eSg	28:55.51	-0.55
CSKK	20.6	279	ePgC	7:28:55.97	0.15
			eSg	28:57.87	-0.83
PKST	38.4	257	ePgC	7:28:58.55	-0.45
			eSg	29:05.36	1.00

Földrengés paraméterek

Hypocenter Parameters

373.

2014-09-26 time: 9:38:53.27 UTC ML= 0.9
 lat: 47.560N lon: 18.535E h= 0.0 km
 erh= 9.5km erz= 880km
 nr= 8 gap=198 rms=0.64
 Locality: Nagyegyháza
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	21.6	210	ePgD	9:38:57.12	0.00
			eSg	39:00.31	0.18
CSKK	30.1	223	ePg	9:38:58.30	-0.34
			eSg	39:03.83	0.99
PKST	50.5	229	ePg	9:39:01.80	-0.48
			eSg	39:08.76	-0.55
VYHS	106.3	12	ePg	9:39:13.40	1.15
			eSg	39:26.20	-0.85

374.

2014-09-26 time: 11:24:03.34 UTC ML= 0.2
 lat: 47.254N lon: 18.263E h= 0.0 km
 erh= 7.3km erz= 999km
 nr= 6 gap=240 rms=0.62
 Locality: Kincsesbánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.1	359	ePgc	11:24:04.80	-0.70
			eSg	24:06.51	-0.68
PKST	17.3	272	ePg	11:24:06.48	0.05
			eSg	24:09.36	0.53
PKSG	18.1	32	ePgc	11:24:06.76	0.19
			eSg	24:10.45	1.36

375.

2014-09-28 time: 0:35:40.15 UTC ML= 2.2
 lat: 45.689N lon: 17.398E h= 17.8 km
 erh= 4.1km erz= 5.4km
 nr= 24 gap= 87 rms=0.85
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	70.0	72	eP*	0:35:52.49	-0.39
			eS*	36:03.67	0.87
BEHE	99.3	331	ePnD	0:35:58.85	1.56
			eSn	36:10.57	-0.08
BLY	105.9	189	ePnD	0:35:59.50	1.39
			ePn	0:35:58.59	-0.35
PKSM	112.5	59	eSn	36:12.01	-1.58
			ePn	0:36:00.42	0.45
PKS9	120.8	34	ePn	0:36:00.42	0.45
			eSn	36:16.45	1.02
KOGS	122.5	314	eSn	0:36:12.40	-3.41
			ePnC	0:36:02.66	0.31
TIH	139.9	16	ePnC	0:36:02.66	0.31
			eSn	36:19.08	-0.59
CRES	151.8	276	PnD	0:36:02.70	-1.14
			ePnD	0:36:06.75	1.27
MPLH	165.0	4	ePnD	0:36:06.75	1.27
			eSn	36:24.33	-1.20
PKS2	166.3	58	ePnC	0:36:05.15	-0.50
			eSn	36:24.33	-1.20
PKST	181.2	16	ePnC	0:36:06.35	-1.15
			eSn	36:30.68	1.84
CSKK	197.5	20	ePn	0:36:09.53	0.00
			ePn	0:36:10.50	0.83
FRGS	198.6	108	ePn	0:36:10.50	0.83
			eSn	36:33.10	0.41
ARSA	225.5	320	Pn	0:36:12.29	-0.74
			Pn	0:36:14.15	-0.49
OBKA	238.5	292	Pn	0:36:14.15	-0.49
			Pn	0:36:18.80	-0.42
CONA	275.2	335	Pn	0:36:18.80	-0.42
			ePn	0:36:26.30	0.20*
VYHS	330.4	19	ePn	0:36:26.30	0.20*
			Pn	0:36:26.77	-0.41*
MOA	339.0	315	Pn	0:36:26.77	-0.41*
			Sn	36:59.75	-4.11*

376.

2014-09-28 time: 1:41:53.33 UTC ML= 1.9
 lat: 45.823N lon: 17.487E h= 7.6 km
 erh= 5.4km erz= 3.7km
 nr= 12 gap=240 rms=0.79
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	59.8	83	ePg	1:42:03.96	-0.14
			eSg	42:15.07	2.57
BEHE	90.6	323	ePg	1:42:10.52	0.96
			eSg	42:22.37	0.16
PKSM	99.3	64	ePg	1:42:10.09	-1.02
			eSg	42:24.11	-0.87
PKS9	104.6	36	ePg	1:42:12.45	0.39
			eSg	42:27.47	0.80
TIH	123.7	15	ePn	1:42:14.59	-0.24
			eSn	42:30.93	-0.66
MPLH	149.8	2	ePn	1:42:18.42	0.34
			eSn	42:37.69	0.31

377.

2014-09-30 time: 7:36:12.53 UTC ML= 0.8
 lat: 47.445N lon: 18.424E h= 0.0 km
 erh= 6.0km erz= 563km
 nr= 5 gap=328 rms=0.27
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.4	203	ePgc	7:36:13.66	-0.01
			eSg	36:14.80	0.24
CSKK	15.3	234	ePgD	7:36:15.01	-0.25
			eSg	36:17.09	-0.30
PKST	35.9	235	ePg	7:36:19.38	0.43

378.

2014-09-30 time: 7:38:34.97 UTC ML= 0.9
 lat: 47.364N lon: 18.439E h= 0.0 km
 erh= 1.1km erz= 142km
 nr= 6 gap=299 rms=0.08
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.8	311	ePgc	7:38:35.90	0.07
			eSg	38:36.49	-0.01
CSKK	13.5	270	ePgc	7:38:37.26	-0.12
			eSg	38:39.19	-0.07
PKST	32.7	249	ePg	7:38:40.85	0.03
			eSg	38:45.49	0.11

379.

2014-09-30 time: 11:31:54.76 UTC ML= 0.7
 lat: 47.214N lon: 18.296E h= 0.0 km
 erh= 6.5km erz= 714km
 nr= 5 gap=274 rms=0.33
 Locality: Moha
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	16.8	351	ePgD	11:31:57.76	0.00
			eSg	32:00.44	0.34
PKST	20.5	284	ePg	11:31:58.02	-0.39
			eSg	32:00.98	-0.28
MPLH	57.6	265	eSg	11:32:13.63	0.58

Hypocenter Parameters

Földrengés paraméterek

380.

2014-10-01 time: 20:35:09.57 UTC ML= 0.8
 lat: 47.224N lon: 17.346E h= 3.5 km
 erh= 4.2km erz=10.8km
 nr= 6 gap=245 rms=0.24
 Locality: Nagyalásony
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
MPLH	15.9	112	ePg	20:35:12.24			-0.23
			eSg		35:14.95		0.22
EGYH	21.5	357	ePgD	20:35:13.43			-0.03
			eSg		35:16.58		0.08
PKST	52.3	86	ePg	20:35:19.23			0.30
			eSg		35:25.51		-0.72

381.

2014-10-02 time: 6:53:57.13 UTC ML= 0.7
 lat: 47.382N lon: 18.424E h= 0.0 km
 erh= 8.6km erz= 764km
 nr= 5 gap=311 rms=0.34
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	2.8	294	ePgC	6:53:57.59			-0.04
			eSg		53:58.33		0.31
CSKK	12.5	261	ePgD	6:53:58.98			-0.39
			eSg		54:01.05		-0.07
PKST	32.5	245	ePg	6:54:03.47			0.54

382.

2014-10-02 time: 6:54:17.51 UTC ML= 0.8
 lat: 47.475N lon: 18.414E h= 0.0 km
 erh= 2.7km erz= 228km
 nr= 6 gap=321 rms=0.14
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	9.4	191	ePgC	6:54:19.20			0.01
			eSg		54:19.77		-0.72
CSKK	17.0	223	ePgD	6:54:20.62			0.08
			eSg		54:22.64		-0.27
PKST	37.4	230	ePg	6:54:24.11			-0.08
			eSg		54:29.65		0.26

383.

2014-10-02 time: 11:42:53.85 UTC ML= 0.8
 lat: 48.060N lon: 20.270E h= 0.0 km
 erh= 6.7km erz= 674km
 nr= 5 gap=222 rms=0.40
 Locality: Egercsehi
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	32.1	241	ePgD	11:42:59.35			-0.24
			eSg		43:04.73		0.66
KECS	49.7	19	ePg	11:43:02.40			-0.34
			eSg		43:10.70		1.04
IZAB	70.1	324	ePg	11:43:06.60			0.23

384.

2014-10-02 time: 11:45:27.18 UTC ML= 0.5
 lat: 47.471N lon: 18.067E h= 0.0 km
 erh= 2.0km erz= 265km
 nr= 6 gap=284 rms=0.15
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	18.9	129	ePg	11:45:30.76			0.21
			eSg		45:33.36		0.19
PKST	23.7	186	ePg	11:45:31.41			0.01
			eSg		45:34.57		-0.13
PKSG	25.9	110	ePg	11:45:31.70			-0.11
			eSg		45:35.22		-0.20

385.

2014-10-03 time: 5:32:42.46 UTC ML= 1.1
 lat: 47.946N lon: 20.006E h= 0.0 km
 erh= 4.9km erz= 6.0km
 nr= 7 gap=212 rms=0.88
 Locality: Bodony
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PSZ	8.9	249	ePgD	5:32:44.20			0.15
			eSg		32:46.89		1.61
PENC	56.9	252	eSg	5:33:01.32			0.78
KECS	69.5	31	eSg	5:33:04.40			-0.16
IZAB	72.5	343	eSg	5:33:06.20			0.68
VYHS	106.1	305	eSg	5:33:14.70			-1.49
PKSG	136.1	243	eSn	5:33:23.90			-1.28

386.

2014-10-03 time: 5:48:42.62 UTC ML= 0.5
 lat: 47.458N lon: 18.215E h= 0.0 km
 erh= 1.5km erz= 215km
 nr= 6 gap=267 rms=0.12
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	11.0	162	ePgD	5:48:44.85			0.26
			eSg		48:46.08		-0.05
PKSG	15.1	119	ePgD	5:48:45.26			-0.06
			eSg		48:47.36		-0.07
PKST	26.0	212	ePgD	5:48:47.20			-0.06
			eSg		48:50.82		-0.05

387.

2014-10-03 time: 12:07:20.75 UTC ML= 0.7
 lat: 47.209N lon: 18.277E h= 0.0 km
 erh= 1.4km erz= 354km
 nr= 8 gap=143 rms=0.26
 Locality: Iszkaszentgyörgy
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	17.2	356	ePgC	12:07:23.48			-0.34
			eSg		07:26.82		0.61
PKST	19.2	287	ePgD	12:07:24.17			-0.01
			eSg		07:27.14		0.29
PKSG	22.1	23	ePg	12:07:24.70			0.01
			eSg		07:27.76		-0.01
PKSM	114.3	166	ePg	12:07:41.38			0.21
			eSg		07:55.49		-1.60*

388.

2014-10-03 time: 13:55:37.87 UTC ML= 1.6
 lat: 48.360N lon: 19.461E h= 0.8 km
 erh= 2.2km erz= 197km
 nr= 9 gap=111 rms=0.50
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
IZAB	29.7	39	ePg	13:55:43.40			0.21

Földrengés paraméterek

Hypocenter Parameters

VYHS 48.6 288 ePg 13:55:46.50 -0.05
 eSg 55:51.80 -1.51
 PSZ 58.8 147 ePgD 13:55:48.99 0.62
 eSg 55:56.37 -0.20
 PENC 64.8 192 ePg 13:55:49.54 0.10
 eSg 55:57.95 -0.51
 KECS 77.1 80 ePg 13:55:51.30 -0.34
 eSg 56:00.50 -1.87

PKSG 4.4 172 ePg 6:11:11.93 -0.14
 eSg 11:12.68 0.01
 CSKK 11.9 231 ePg 6:11:13.40 -0.01
 eSg 11:15.50 0.44
 PKST 32.5 234 ePg 6:11:17.28 0.19
 eSg 11:20.96 -0.66

389.

2014-10-06 time: 6:35:15.18 UTC ML= 1.0
 lat: 47.382N lon: 18.565E h= 0.0 km
 erh= 5.5km erz= 847km
 nr= 9 gap=263 rms=0.66
 Locality: Vértesacsá
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	13.2	275	ePgC	6:35:17.91			0.37
			eSg	35:18.49			-0.89
CSKK	23.1	265	ePgD	6:35:19.24			-0.07
			eSg	35:21.58			-0.94
PKST	42.4	251	eSg	6:35:29.69			1.03
MORH	129.8	177	ePg	6:35:38.65			0.28
			eSg	35:55.34			-1.11
PKSM	130.3	177	ePg	6:35:38.99			0.54
			eSg	35:55.26			-1.33

390.

2014-10-08 time: 6:02:50.61 UTC ML= 0.5
 lat: 47.472N lon: 18.217E h= 0.0 km
 erh= 3.1km erz= 435km
 nr= 6 gap=274 rms=0.26
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	12.6	165	ePg	6:02:53.28			0.42
			eSg	02:54.52			-0.09
PKSG	15.9	124	ePgD	6:02:53.47			0.02
			eSg	02:55.25			-0.40
PKST	27.4	210	ePg	6:02:55.27			-0.24
			eSg	02:59.53			0.20

391.

2014-10-08 time: 11:40:32.12 UTC ML= 0.7
 lat: 47.450N lon: 18.140E h= 0.0 km
 erh= 8.3km erz= ***km
 nr= 7 gap=233 rms=0.83
 Locality: Felsődobos
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	13.3	137	ePgC	11:40:35.04			0.55
			eSg	40:36.83			0.50
PKSG	20.0	109	ePgC	11:40:35.42			-0.27
			eSg	40:38.77			0.30
PKST	22.7	201	ePg	11:40:34.98			-1.20
			eSg	40:38.29			-1.05
MPLH	55.1	236	eSg	11:40:51.25			1.62

392.

2014-10-09 time: 6:11:11.29 UTC ML= 0.7
 lat: 47.431N lon: 18.382E h= 0.0 km
 erh= 3.8km erz= 487km
 nr= 6 gap=298 rms=0.28
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res

393.

2014-10-09 time: 10:04:55.30 UTC ML= 1.7
 lat: 48.366N lon: 19.854E h= 0.0 km
 erh= 1.9km erz= 637km
 nr= 8 gap=104 rms=0.46
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
IZAB	24.8	335	ePg	10:05:00.30			0.56
			eSg	05:03.80			0.61
KECS	48.5	74	ePg	10:05:03.80			-0.16
			eSg	05:10.30			-0.42
PSZ	49.9	177	ePgD	10:05:04.28			0.06
			eSg	05:11.17			0.00
VYHS	76.7	281	ePg	10:05:08.90			-0.09
			eSg	05:18.20			-1.47

394.

2014-10-09 time: 12:11:01.88 UTC ML= 1.5
 lat: 48.475N lon: 19.423E h= 0.0 km
 erh= 1.7km erz= 572km
 nr= 9 gap=151 rms=0.44
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
IZAB	23.8	64	ePg	12:11:06.50			0.37
			eSg	11:09.90			0.46
VYHS	43.4	273	ePg	12:11:09.60			-0.04
			eSg	11:15.00			-0.69
PSZ	71.2	151	ePgD	12:11:15.05			0.46
			eSg	11:24.43			-0.07
PENC	76.9	188	eSg	12:11:26.38			0.06
KECS	78.6	89	ePg	12:11:15.60			-0.31
			eSg	11:25.90			-0.95

395.

2014-10-10 time: 6:16:37.65 UTC ML= 0.8
 lat: 47.380N lon: 18.450E h= 0.0 km
 erh= 3.3km erz= 335km
 nr= 5 gap=320 rms=0.15
 Locality: Csákvár
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	4.7	287	ePgC	6:16:38.65			0.16
			eSg	16:39.11			-0.03
CSKK	14.4	263	ePgD	6:16:40.03			-0.20
			eSg	16:42.20			-0.05
PKST	34.2	247	eSg	6:16:48.68			0.16

396.

2014-10-11 time: 10:47:04.54 UTC ML= 0.9
 lat: 47.001N lon: 17.993E h= 0.0 km
 erh= 2.6km erz= 658km
 nr= 9 gap=179 rms=0.49
 Locality: Alsóörs
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
TIH	13.6	214	ePgC	10:47:06.88			-0.08
			eSg	47:09.52			0.67

Hypocenter Parameters

PKST 28.8 6 ePgC 10:47:09.55 -0.13
 eSg 47:13.89 0.19
 MPLH 39.2 299 ePgC 10:47:10.81 -0.73
 eSg 47:17.70 0.70
 CSKK 45.1 27 ePg 10:47:12.04 -0.54
 PKSG 52.9 35 ePgC 10:47:14.13 0.15
 eSg 47:22.29 0.95

397.

2014-10-12 time: 21:17:34.99 UTC ML= 1.3
 lat: 46.382N lon: 16.729E h= 10.0 km
 erh= 3.2km erz= 2.4km
 nr= 25 gap=121 rms=0.83
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	37.5	281	iPgD	21:17:42.49	0.57
			eSg	17:47.90	0.57
GROS	94.7	275	iPg	21:17:51.93	-0.07
			eSg	18:04.51	-0.76
GOLS	94.7	244	ePg	21:17:51.90	-0.10
DOBS	100.5	255	iPg	21:17:52.63	-0.40
			eSg	18:05.27	-1.83
GCIS	102.6	236	iPg	21:17:53.15	-0.25
TIH	106.1	57	eP*	21:17:55.60	1.66
			eS*	18:06.90	-1.81
CRES	116.2	238	ePn	21:17:55.06	-0.17
LEGS	119.2	246	iPn	21:17:55.81	0.20
EGYH	123.9	22	eSn	21:18:12.24	-0.48
PERS	126.9	283	iPn	21:17:56.76	0.19
PKSV	129.9	115	ePnD	21:17:55.88	-1.06
ARSA	133.3	316	Pn	21:17:56.50	-0.87
			Sn	18:13.70	-1.13
SOKA	134.2	284	Pn	21:17:57.15	-0.33
			Sn	18:13.46	-1.56
PKDS	138.3	255	ePn	21:17:58.58	0.60
PKSM	148.6	97	eSn	21:18:19.36	1.15
MORH	148.7	97	eSn	21:18:18.93	0.69
VNDS	159.5	259	iPn	21:18:02.36	1.73
OBKA	168.1	275	Pn	21:18:01.82	0.11
			Sn	18:24.52	1.97

398.

2014-10-12 time: 21:18:12.31 UTC ML= 1.8
 lat: 46.377N lon: 16.757E h= 10.0 km
 erh= 2.6km erz= 2.4km
 nr= 33 gap=122 rms=0.87
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	39.8	281	iPg	21:18:20.02	0.38
			iSg	18:25.37	0.02
GOLS	96.5	245	iPg	21:18:29.44	-0.19
			iSg	18:42.73	-0.40
DOBS	102.5	256	iPg	21:18:30.20	-0.50
GCIS	104.1	237	iP*	21:18:30.45	-0.51
TIH	104.6	56	eP*	21:18:29.90	-1.14
			eS*	18:44.66	-0.98
PKS9	119.1	79	eSn	21:18:48.80	-0.20
LEGS	121.0	247	iPn	21:18:33.20	0.05
EGYH	123.7	21	ePn	21:18:34.11	0.62
			eSn	18:49.73	-0.27
PKSV	127.6	115	ePn	21:18:33.29	-0.69
			eSn	18:51.07	0.18
PERS	129.2	283	iPn	21:18:33.97	-0.21
ARSA	135.3	316	ePn	21:18:35.05	0.11
			eSn	18:51.12	-1.47
SOKA	136.5	284	Pn	21:18:34.85	-0.24
			Sn	18:50.87	-1.98
PKST	138.3	45	ePn	21:18:35.59	0.28
			eSn	18:53.34	0.10

Földrengés paraméterek

PKDS 140.2 256 iPn 21:18:36.47 0.92
 SOP 146.0 354 eSn 21:18:52.63 -2.34
 PKSM 146.3 97 ePn 21:18:34.99 -1.32
 eSn 18:56.66 1.63
 MORH 146.5 97 eSn 21:18:57.02 1.95
 CSKK 158.6 46 ePn 21:18:38.83 0.99
 eSn 18:59.74 1.98
 VNDS 161.5 259 iPn 21:18:39.80 1.59
 PKSG 168.0 48 ePn 21:18:39.00 -0.02
 eSn 19:01.61 1.76
 OBKA 170.4 275 Pn 21:18:41.00 1.69
 Sn 19:01.63 1.26

399.

2014-10-13 time: 6:46:09.55 UTC ML= 0.5
 lat: 47.431N lon: 17.954E h= 0.0 km
 erh= 3.7km erz= 410km
 nr= 5 gap=295 rms=0.20
 Locality: Réde
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.1	162	ePgC	6:46:13.30	0.17
			eSg	46:15.82	-0.11
CSKK	24.3	108	ePgD	6:46:14.05	0.16
			eSg	46:17.21	-0.07
PKSG	33.2	98	ePg	6:46:15.13	-0.35

400.

2014-10-13 time: 8:21:21.91 UTC ML= 1.1
 lat: 47.107N lon: 17.965E h= 10.0 km
 erh= 3.7km erz= 1.8km
 nr= 12 gap=184 rms=0.40
 Locality: Kádárta
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	17.7	17	ePg	8:21:24.82	-0.72
			eSg	21:28.37	0.01
TIH	23.7	193	ePg	8:21:26.77	0.27
			eSg	21:30.46	0.38
CSKK	36.2	38	ePg	8:21:28.36	-0.25
			eSg	21:34.09	0.25
PKSG	45.1	45	ePg	8:21:30.71	0.54
			eSg	21:36.99	0.38
MORH	111.9	152	ePn	8:21:41.47	-0.15
			eSn	21:56.75	-0.24
PKSM	112.2	153	ePn	8:21:41.76	0.11
			eSn	21:55.57	-1.48

401.

2014-10-13 time: 11:22:16.34 UTC ML= 2.0
 lat: 48.356N lon: 19.875E h= 0.0 km
 erh= 2.0km erz= 4.9km
 nr= 9 gap=106 rms=0.47
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
IZAB	26.6	333	ePg	11:22:21.60	0.51
			eSg	22:25.70	0.91
KECS	47.3	73	ePg	11:22:24.90	0.11
			eSg	22:32.00	0.61
PSZ	48.7	178	ePg	11:22:24.99	-0.04
			eSg	22:31.84	0.03
VYHS	78.4	281	ePg	11:22:30.10	-0.25
			eSg	22:37.70	-3.57*
LANS	93.3	341	eSg	11:22:45.00	-1.00
CRVS	131.7	63	ePn	11:22:39.60	-0.20

Földrengés paraméterek

Hypocenter Parameters

402.

2014-10-13 time: 12:18:37.88 UTC ML= 0.5
 lat: 47.187N lon: 18.341E h= 0.0 km
 erh= 6.0km erz= 750km
 nr= 5 gap=280 rms=0.34
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.5	343	ePg	12:18:42.02	0.48
			eSg	18:44.62	0.21
PKSG	23.1	9	ePg	12:18:41.55	-0.46
PKST	24.6	289	ePg	12:18:42.31	0.05
			eSg	18:45.38	-0.30

403.

2014-10-14 time: 8:39:33.50 UTC ML= 0.9
 lat: 46.000N lon: 18.129E h= 0.0 km
 erh= 2.5km erz= 287km
 nr= 6 gap=276 rms=0.17
 Locality: Aranyosgadány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	15.7	142	ePg	8:39:36.10	-0.19
			eSg	39:38.58	0.11
PKSM	46.1	59	ePgC	8:39:41.83	0.11
			eSg	39:48.22	0.08
MORH	46.5	59	ePg	8:39:41.90	0.10
			eSg	39:47.90	-0.37

404.

2014-10-14 time: 20:01:00.84 UTC ML= 0.5
 lat: 46.038N lon: 18.304E h= 6.7 km
 erh= 5.0km erz= 4.7km
 nr= 8 gap=219 rms=0.16
 Locality: Kozármisleny
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	17.1	194	ePgD	20:01:04.21	0.08
			eSg	01:06.57	-0.12
PKSM	32.4	53	ePgD	20:01:06.91	0.16
			eSg	01:11.21	-0.15
MORH	32.8	53	ePgD	20:01:06.95	0.12
			eSg	01:11.40	-0.10
PKS2	86.3	54	ePg	20:01:16.02	-0.29
			eSg	01:29.31	0.94*

405.

2014-10-14 time: 21:52:59.92 UTC ML= 1.4
 lat: 46.902N lon: 17.390E h= 12.8 km
 erh= 2.0km erz= 2.0km
 nr= 22 gap= 90 rms=0.62
 Locality: Tapolca
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	31.9	21	ePgD	21:53:05.25	-0.81
			eSg	53:10.10	-0.74
TIH	38.3	90	ePg	21:53:07.05	-0.08
			eSg	53:12.47	-0.28
EGYH	57.5	356	ePg	21:53:11.55	1.12
			eSg	53:18.99	0.36
PKST	63.0	51	ePgD	21:53:11.43	0.03
			eSg	53:21.07	0.72
CSKK	83.6	52	ePg	21:53:14.52	-0.50
			eSg	53:27.37	0.57
PKSG	93.4	54	eP*	21:53:16.30	-0.38
			eS*	53:30.54	0.79

KOGS	100.8	240	eP*C	21:53:18.40	0.60
			eS*	53:31.34	-0.41
SOP	107.3	324	ePn	21:53:18.66	-0.04
			eSn	53:32.33	-1.01
MORH	122.7	128	ePn	21:53:20.70	0.08
			eSn	53:35.29	-1.48
PKSM	122.8	129	ePn	21:53:20.70	0.06
			eSn	53:34.48	-2.32
PKSV	130.7	150	ePn	21:53:22.17	0.55
PKS2	146.7	108	eSn	21:53:45.05	2.96*

406.

2014-10-15 time: 11:58:13.31 UTC ML= 0.5
 lat: 47.205N lon: 18.282E h= 0.0 km
 erh= 1.8km erz= 474km
 nr= 6 gap=145 rms=0.28
 Locality: Csór
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.6	355	ePgC	11:58:16.07	-0.38
PKST	19.7	288	ePgC	11:58:16.97	0.14
			eSg	58:19.59	0.02
PKSG	22.3	22	eSg	11:58:20.97	0.58
PKSM	113.8	166	ePg	11:58:33.71	0.08
			eSg	58:49.32	-0.16

407.

2014-10-16 time: 7:26:07.56 UTC ML= 0.8
 lat: 47.434N lon: 18.387E h= 0.0 km
 erh= 1.3km erz= 146km
 nr= 5 gap=303 rms=0.08
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.7	176	ePgC	7:26:08.40	0.00
			eSg	26:09.08	0.02
CSKK	12.4	230	ePg	7:26:09.73	-0.04
			eSg	26:11.35	-0.14
PKST	33.0	234	ePg	7:26:13.57	0.12

408.

2014-10-16 time: 7:26:33.65 UTC ML= 0.8
 lat: 47.443N lon: 18.390E h= 0.0 km
 erh= 1.4km erz= 153km
 nr= 5 gap=307 rms=0.07
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.7	180	ePgC	7:26:34.72	0.05
			eSg	26:35.36	-0.10
CSKK	13.2	228	ePg	7:26:36.08	0.06
			eSg	26:37.90	0.04
PKST	33.8	233	ePg	7:26:39.60	-0.09

409.

2014-10-16 time: 7:32:33.09 UTC ML= 1.5
 lat: 47.959N lon: 20.041E h= 3.1 km
 erh= 6.2km erz=15.6km
 nr= 7 gap=218 rms=0.36
 Locality: Máttraballa
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	11.8	248	ePgC	7:32:34.86	-0.41
			eSg	32:37.44	0.47
PENC	59.8	252	eSg	7:32:52.28	0.16
KECS	67.0	30	eSg	7:32:54.60	0.19

Hypocenter Parameters

IZAB 72.1 340 ePg 7:32:45.80 -0.17
 VYHS 107.5 304 ePg 7:32:52.70 0.41
 eSg 33:05.50 -1.76

410.

2014-10-16 time: 11:40:17.26 UTC ML= 1.2
 lat: 48.651N lon: 20.211E h= 0.0 km
 erh= 1.4km erz= 430km
 nr= 10 gap=118 rms=0.34
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	27.5	133	ePg	11:40:21.80	-0.38
			eSg	40:25.10	-0.91
IZAB	37.9	256	ePg	11:40:24.10	0.07
			ePg	11:40:31.30	0.14
LANS	77.8	316	ePg	11:40:31.30	0.14
			eSg	40:41.30	-0.71
PSZ	84.8	196	ePg	11:40:32.66	0.26
			eSg	40:44.52	0.31
CRVS	96.1	73	ePg	11:40:34.70	0.28
VYHS	103.0	260	ePg	11:40:35.70	0.05
			eSg	40:48.00	-1.99*

411.

2014-10-16 time: 14:53:07.41 UTC ML= 1.3
 lat: 48.726N lon: 19.870E h= 14.9 km
 erh= 3.2km erz= 2.9km
 nr= 10 gap=153 rms=0.69
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
IZAB	21.0	214	ePg	14:53:11.90	-0.11
			eSg	53:14.80	-0.79
KECS	52.8	121	ePg	14:53:17.50	0.29
			eSg	53:23.60	-1.25
LANS	55.7	328	ePg	14:53:18.00	0.30
			eSg	53:25.00	-0.73
VYHS	80.5	251	eP*	14:53:21.70	-0.30
			eS*	53:30.90	-2.48
PSZ	89.8	179	eP*	14:53:24.59	1.17
			eS*	53:35.41	-0.50

412.

2014-10-19 time: 13:43:12.25 UTC ML= 1.3
 lat: 45.569N lon: 18.300E h= 7.3 km
 erh= 1.4km erz= 0.5km
 nr= 6 gap=334 rms=0.07
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	35.7	354	ePg	13:43:18.71	-0.04
			eSg	43:23.95	0.12
PKSM	76.2	20	ePgD	13:43:25.96	0.04
			eSg	43:36.39	-0.19
MORH	76.7	20	ePgD	13:43:26.01	0.01
			eSg	43:38.47	1.73*
PKS9	113.2	359	eSn	13:43:48.23	0.00

413.

2014-10-20 time: 9:55:47.27 UTC ML= 0.7
 lat: 47.187N lon: 17.955E h= 22.8 km
 erh= 5.0km erz= 4.7km
 nr= 11 gap=130 rms=0.71
 Locality: Eplény
 Comments:

sta	dist	azm	phase	hr mn sec	res

Földrengés paraméterek

PKST 10.0 37 ePgC 9:55:50.28 -1.35
 eSg 55:53.90 -1.13
 CSKK 30.3 50 ePg 9:55:54.21 0.32
 eSg 55:59.88 0.82
 MPLH 31.6 267 ePgC 9:55:54.06 -0.01
 eSg 55:59.77 0.39
 PKSG 40.0 55 ePg 9:55:55.61 0.32
 MORH 120.2 154 ePn 9:56:07.35 0.86
 eSn 56:20.92 -0.56
 PKSM 120.5 154 ePn 9:56:07.05 0.53
 eSn 56:20.82 -0.72

414.

2014-10-21 time: 7:55:02.40 UTC ML= 0.8
 lat: 45.977N lon: 18.202E h= 0.0 km
 erh= 0.8km erz=74.2km
 nr= 6 gap=254 rms=0.04
 Locality: Szőke
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	10.5	158	ePg	7:55:04.28	0.00
			eSg	55:05.75	0.00
PKSM	42.9	52	ePg	7:55:10.08	0.02
MORH	43.3	52	eSg	55:16.11	0.07
			ePg	7:55:10.13	-0.01
			eSg	55:16.09	-0.09

415.

2014-10-21 time: 8:40:26.40 UTC ML= 1.5
 lat: 48.392N lon: 20.894E h= 0.0 km
 erh= 8.9km erz= 5.7km
 nr= 9 gap=238 rms=0.94
 Locality: Felsővadász
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	31.9	289	ePg	8:40:33.00	0.91
			eSg	40:36.80	0.27
CRVS	70.5	36	ePg	8:40:40.00	1.00
IZAB	89.5	283	eSg	40:48.20	-0.62
			ePg	8:40:42.20	-0.19
LANS	134.6	309	eSg	40:52.10	-2.75
			ePn	8:40:48.70	-1.51
VYHS	152.7	274	ePn	8:40:53.00	0.53
			eSn	41:11.70	-1.10

416.

2014-10-23 time: 20:14:38.92 UTC ML= 1.6
 lat: 47.032N lon: 17.112E h= 5.4 km
 erh= 1.9km erz= 2.0km
 nr= 27 gap= 80 rms=0.76
 Locality: Zalaerdőd
 Comments:

sta	dist	azm	phase	hr mn sec	res
MPLH	35.9	65	ePgC	20:14:44.68	-0.72
			eSg	14:50.59	0.13
EGYH	46.0	21	ePg	20:14:47.42	0.24
			eSg	14:53.98	0.35
TIH	61.2	104	eSg	20:14:58.48	0.03
			ePgD	20:14:52.08	-0.15
PKST	74.4	70	ePgD	20:14:52.08	-0.15
			eSg	15:03.03	0.41
SOP	83.6	330	ePg	20:14:54.41	0.52
KOGS	92.5	225	eSg	15:04.79	-0.77
			ePg	20:14:55.70	0.24
PKS9	101.9	119	eSg	20:15:12.24	0.90
PKSG	104.8	68	ePgC	20:14:56.71	-0.95
			eSg	15:11.49	-0.78
ARSA	123.0	281	Pn	20:15:00.35	-0.24
			Sn	15:14.57	-2.93

Földrengés paraméterek

Hypocenter Parameters

SRO	125.6	46	ePn	20:15:00.60	-0.31
			eSn	15:18.80	0.73
CONA	137.2	317	Pn	20:15:03.38	1.02
			Sn	15:19.72	-0.93
MORH	148.3	128	ePnD	20:15:03.04	-0.71
			eSn	15:23.08	-0.04
PKSM	148.4	128	ePn	20:15:03.07	-0.69
			eSn	15:23.34	0.20
PKSV	154.3	145	ePn	20:15:05.58	1.08
			eSn	15:25.31	0.85
SMOL	166.5	8	ePn	20:15:07.40	1.38
VYHS	207.7	38	ePn	20:15:13.10	1.95
			eSn	15:39.80	3.50*

417.

2014-10-27 time: 6:13:14.55 UTC ML= 0.6
 lat: 47.480N lon: 18.219E h= 0.0 km
 erh= 1.6km erz= 222km
 nr= 6 gap=278 rms=0.13
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.4	167	ePg	6:13:17.02	0.08
			eSg	13:18.57	-0.24
PKSG	16.3	127	ePgC	6:13:17.50	0.05
			eSg	13:19.70	-0.01
PKST	28.3	210	ePgD	6:13:19.49	-0.11
			eSg	13:23.79	0.25

418.

2014-10-27 time: 12:49:48.11 UTC ML= 0.4
 lat: 47.464N lon: 18.067E h= 0.0 km
 erh= 2.5km erz= 328km
 nr= 6 gap=282 rms=0.19
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	18.5	128	ePg	12:49:51.71	0.31
			eSg	49:54.15	0.18
PKST	23.0	186	ePg	12:49:52.14	-0.07
			eSg	49:55.33	-0.08
PKSG	25.7	108	ePg	12:49:52.61	-0.09
			eSg	49:56.00	-0.29

419.

2014-10-27 time: 14:23:57.26 UTC ML= 1.1
 lat: 47.440N lon: 18.236E h= 0.9 km
 erh= 4.1km erz=35.6km
 nr= 6 gap=257 rms=0.07
 Locality: Pusztavám
 Comments:

sta	dist	azm	phase	hr mn sec	res
CSKK	8.7	168	ePgC	14:23:58.89	0.06
			eSg	23:59.94	-0.11
PKSG	12.8	115	ePgC	14:23:59.50	-0.06
			eSg	24:01.40	0.05
PKST	25.2	217	ePgD	14:24:01.73	-0.04
			eSg	24:05.42	0.13

420.

2014-10-27 time: 14:39:13.05 UTC ML= 0.8
 lat: 47.456N lon: 18.235E h= 0.0 km
 erh= 0.8km erz= 113km
 nr= 6 gap=266 rms=0.07
 Locality: Pusztavám
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	10.5	169	ePg	14:39:14.98	0.06
			eSg	39:16.43	0.05
PKSG	13.7	121	ePgC	14:39:15.54	0.04
			eSg	39:17.27	-0.14
PKST	26.6	215	ePg	14:39:17.77	-0.03
			eSg	39:21.47	-0.04

421.

2014-10-28 time: 0:10:49.96 UTC ML= 1.4
 lat: 47.897N lon: 18.014E h= 19.3 km
 erh= 2.6km erz= 2.9km
 nr= 15 gap= 90 rms=0.71
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
SRO	24.3	113	ePg	0:10:55.10	-0.39
CSKK	62.2	163	eP*	0:11:01.65	0.29
			eS*	11:08.89	-1.36
PKSG	62.9	153	eP*	0:11:02.01	0.54
			eS*	11:09.63	-0.81
PKST	71.0	179	eS*	0:11:11.92	-0.71
EGYH	74.0	224	eP*C	0:11:03.14	-0.01
			eS*	11:14.00	0.56
MODS	76.2	314	eP*	0:11:03.30	-0.20
			eS*	11:12.60	-1.46
SMOL	81.2	328	eP*	0:11:05.20	0.95
			eS*	11:14.70	-0.70
VYHS	90.2	43	eP*	0:11:05.70	0.07
			eS*	11:16.70	-1.15
TIH	111.2	185	eSn	0:11:24.70	1.92

422.

2014-10-28 time: 7:39:43.95 UTC ML= 0.7
 lat: 47.429N lon: 18.390E h= 0.0 km
 erh= 1.6km erz= 167km
 nr= 5 gap=304 rms=0.08
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.1	179	ePgC	7:39:44.65	-0.04
			eSg	39:45.34	0.07
CSKK	12.2	233	ePg	7:39:46.02	-0.11
			eSg	39:47.82	-0.01
PKST	32.8	235	ePgC	7:39:49.91	0.09

423.

2014-10-28 time: 7:40:07.19 UTC ML= 0.9
 lat: 47.458N lon: 18.411E h= 0.0 km
 erh= 1.7km erz= 199km
 nr= 6 gap=320 rms=0.17
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.5	192	ePgC	7:40:08.66	0.13
			eSg	40:09.27	-0.30
CSKK	15.5	227	ePg	7:40:10.03	0.07
			eSg	40:11.77	-0.35
PKST	36.1	232	ePgC	7:40:13.67	0.04
			eSg	40:18.75	0.10

Hypocenter Parameters

Földrengés paraméterek

424.

2014-10-30 time: 7:35:18.95 UTC ML= 1.1
 lat: 47.991N lon: 19.954E h= 0.0 km
 erh= 3.4km erz= 812km
 nr= 6 gap=173 rms=0.48
 Locality: Mátramindszent
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	9.2	209	ePgC	7:35:20.00	-0.59
			eSg	35:22.58	0.71
IZAB	66.7	344	ePg	7:35:31.40	0.54
KECS	67.5	36	eSg	7:35:40.10	-0.30
VYHS	100.1	304	ePg	7:35:37.00	0.17
			eSg	35:50.50	-0.27

425.

2014-10-30 time: 10:44:28.66 UTC ML= 1.7
 lat: 48.657N lon: 20.674E h= 0.0 km
 erh= 3.9km erz= 3.8km
 nr= 8 gap=162 rms=0.40
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.8	216	ePg	10:44:32.80	-0.11
			eSg	44:36.70	0.48
CRVS	64.0	65	ePg	10:44:40.00	-0.08
IZAB	71.6	262	ePg	10:44:41.20	-0.24
PSZ	100.5	215	ePg	10:44:46.85	0.25
			eSg	44:59.99	-0.60
VYHS	136.8	262	ePn	10:44:53.50	0.75
			eSn	45:11.00	-0.55

426.

2014-10-31 time: 12:40:03.35 UTC ML= 1.0
 lat: 47.607N lon: 18.503E h= 0.0 km
 erh= 4.6km erz= 383km
 nr= 6 gap=337 rms=0.22
 Locality: Tarján
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	25.4	200	ePg	12:40:08.18	0.30
			eSg	40:11.09	-0.32
CSKK	32.7	214	ePg	12:40:08.91	-0.27
			eSg	40:13.90	0.16
PKST	52.4	222	ePg	12:40:12.74	0.03
			eSg	40:20.06	0.05

427.

2014-11-03 time: 10:56:36.97 UTC ML= 1.7
 lat: 48.565N lon: 19.328E h= 0.0 km
 erh= 5.8km erz= ***km
 nr= 8 gap=191 rms=0.84
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
IZAB	28.4	89	ePg	10:56:43.00	0.96
			eSg	56:47.20	1.21
VYHS	37.2	258	ePg	10:56:43.60	-0.02
			eSg	56:48.50	-0.30
PSZ	83.3	150	ePg	10:56:52.33	0.49
			eSg	57:02.70	-0.74
KECS	86.0	96	ePg	10:56:51.30	-1.03
			eSg	57:02.50	-1.80

428.

2014-11-03 time: 11:39:08.66 UTC ML= 1.1
 lat: 47.085N lon: 17.958E h= 0.0 km
 erh= 1.5km erz= 508km
 nr= 11 gap=114 rms=0.41
 Locality: Veszprém
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	20.1	17	ePg	11:39:11.60	-0.66
			eSg	39:14.84	-0.22
TIH	21.2	194	ePg	11:39:13.14	0.69
CSKK	38.4	37	ePg	11:39:15.45	-0.08
			eSg	39:21.58	0.70
PKSG	47.2	44	ePg	11:39:16.95	-0.15
			eSg	39:24.15	0.47
EGYH	60.1	308	ePg	11:39:19.12	-0.27
			eSg	39:27.88	0.12
PKSM	110.3	152	ePgD	11:39:28.46	0.10
			eSg	39:43.25	-0.48

429.

2014-11-03 time: 12:41:52.00 UTC ML= 1.6
 lat: 48.267N lon: 21.237E h= 0.0 km
 erh= 1.7km erz= 359km
 nr= 7 gap=203 rms=0.24
 Locality: Tállya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	60.6	293	ePg	12:42:02.60	-0.22
			eSg	42:11.10	-0.17
CRVS	72.5	13	eSg	12:42:15.40	0.36
KOLS	106.4	46	ePg	12:42:10.90	-0.09
			eSg	42:25.50	-0.31
PSZ	107.3	249	ePg	12:42:11.46	0.30
			eSg	42:26.28	0.18

430.

2014-11-04 time: 11:10:46.84 UTC ML= 1.0
 lat: 48.047N lon: 20.301E h= 0.0 km
 erh= 3.8km erz= 650km
 nr= 7 gap=229 rms=0.49
 Locality: Mikófalva
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	33.6	245	ePgD	11:10:52.37	-0.47
			eSg	10:58.31	0.80
KECS	50.4	16	ePg	11:10:55.20	-0.63
			eSg	11:03.60	0.76
IZAB	72.6	323	ePg	11:10:59.90	0.10
VYHS	119.6	295	ePg	11:11:08.20	0.01
			eSg	11:25.10	0.26

431.

2014-11-05 time: 7:04:58.29 UTC ML= 0.6
 lat: 47.478N lon: 18.219E h= 0.0 km
 erh= 2.3km erz= 319km
 nr= 6 gap=276 rms=0.19
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	13.1	166	ePg	7:05:00.87	0.24
			eSg	05:02.63	0.17
PKSG	16.1	126	ePgC	7:05:01.19	0.02
			eSg	05:03.00	-0.41
PKST	28.0	210	ePg	7:05:03.21	-0.08
			eSg	05:07.08	-0.11

Földrengés paraméterek

Hypocenter Parameters

432.

2014-11-05 time: 10:07:43.68 UTC ML= 1.8
 lat: 48.857N lon: 20.496E h= 0.0 km
 erh= 5.2km erz= ***km
 nr= 8 gap=194 rms=0.81
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	41.5	181	ePg	10:07:51.20	0.10
			eSg	07:56.90	0.01
IZAB	65.9	241	ePg	10:07:56.50	1.04
CRVS	71.0	86	ePg	10:07:55.80	-0.56
PSZ	113.5	203	ePg	10:08:04.52	0.58
			eSg	08:18.91	-0.84
VYHS	128.7	252	ePg	10:08:06.60	-0.07
			eSg	08:20.90	-3.70

433.

2014-11-05 time: 12:37:22.21 UTC ML= 0.7
 lat: 47.493N lon: 18.025E h= 0.0 km
 erh= 5.9km erz= 774km
 nr= 6 gap=294 rms=0.46
 Locality: Kisbér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	22.9	129	ePg	12:37:26.60	0.31
			eSg	37:30.07	0.60
PKST	26.0	179	ePg	12:37:27.04	0.19
			eSg	37:30.14	-0.33
PKSG	29.7	112	ePg	12:37:27.37	-0.15
			eSg	37:30.61	-1.05

434.

2014-11-05 time: 13:44:12.29 UTC ML= 1.7
 lat: 48.629N lon: 20.757E h= 0.0 km
 erh= 3.1km erz= 4.5km
 nr= 10 gap=160 rms=0.57
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	25.8	231	ePg	13:44:16.80	-0.09
			eSg	44:20.60	0.12
CRVS	60.0	60	ePg	13:44:23.70	0.69
			eSg	44:30.00	-1.37
IZAB	77.3	265	ePg	13:44:26.30	0.20
			ePg	13:44:30.34	-0.11
PSZ	101.7	219	eSg	44:44.40	-0.21
			ePg	13:44:32.50	0.39
VYHS	142.6	264	ePn	13:44:37.30	0.20
			eSn	44:54.30	-2.16

435.

2014-11-06 time: 14:27:19.08 UTC ML= 0.5
 lat: 47.476N lon: 18.057E h= 0.0 km
 erh= 4.7km erz= 609km
 nr= 6 gap=286 rms=0.35
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	19.8	129	ePgC	14:27:23.27	0.65
			eSg	27:25.32	-0.05
PKST	24.2	184	ePgC	14:27:23.30	-0.09
			eSg	27:26.58	-0.18
PKSG	26.8	110	ePg	14:27:23.51	-0.36
			eSg	27:27.41	-0.20

436.

2014-11-07 time: 9:43:00.24 UTC ML= 0.7
 lat: 45.925N lon: 18.710E h= 0.0 km
 erh= 2.7km erz= 304km
 nr= 6 gap=272 rms=0.18
 Locality: Kölked
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	32.3	351	ePg	9:43:05.97	-0.04
			eSg	43:10.55	0.04
MORH	32.7	351	ePg	9:43:05.98	-0.10
			eSg	43:10.71	0.07
PKSV	35.8	263	ePg	9:43:06.91	0.29
			eSg	43:11.24	-0.37

437.

2014-11-10 time: 8:08:29.25 UTC ML= 0.7
 lat: 47.426N lon: 18.402E h= 0.0 km
 erh= 7.7km erz= 832km
 nr= 5 gap=316 rms=0.38
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	3.9	192	ePgC	8:08:29.87	-0.09
			eSg	08:30.44	-0.07
CSKK	12.8	237	ePg	8:08:31.18	-0.35
			eSg	08:33.10	-0.21
PKST	33.4	236	ePg	8:08:35.99	0.77

438.

2014-11-11 time: 9:31:16.86 UTC ML= 1.0
 lat: 45.854N lon: 18.427E h= 0.0 km
 erh= 1.2km erz= 124km
 nr= 6 gap=263 rms=0.07
 Locality: Nagyharsány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSV	14.1	286	ePg	9:31:19.48	0.10
			eSg	31:21.19	-0.15
PKSM	43.1	23	ePgC	9:31:24.55	-0.01
			eSg	31:30.58	0.02
MORH	43.6	23	ePgC	9:31:24.61	-0.04
			eSg	31:30.80	0.08

439.

2014-11-11 time: 13:17:14.18 UTC ML= 0.7
 lat: 47.475N lon: 18.053E h= 0.0 km
 erh= 5.1km erz= 637km
 nr= 6 gap=287 rms=0.37
 Locality: Vérteskethely
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	20.0	128	ePgC	13:17:17.86	0.11
			eSg	17:21.06	0.53
PKST	24.0	183	ePgC	13:17:18.50	0.03
			eSg	17:21.59	-0.22
PKSG	27.1	110	ePgD	13:17:19.03	0.01
			eSg	17:21.44	-1.35

Hypocenter Parameters

440.

 2014-11-14 time: 9:39:58.50 UTC ML= 0.7
 lat: 45.921N lon: 18.706E h= 0.0 km
 erh= 3.3km erz= 365km
 nr= 6 gap=272 rms=0.21
 Locality: K lked
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSM	32.7	351	ePgD	9:40:04.41	0.08
			eSg	40:08.30	-0.59
MORH	33.1	352	ePgC	9:40:04.37	-0.04
			eSg	40:09.40	0.38
PKSV	35.4	264	ePg	9:40:04.80	-0.02
			eSg	40:09.72	-0.03

441.

 2014-11-14 time: 11:19:09.11 UTC ML= 1.7
 lat: 45.599N lon: 17.330E h= 13.9 km
 erh= 1.7km erz= 1.5km
 nr= 14 gap=121 rms=0.33
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSV	78.6	66	ePg	11:19:23.09	-0.27
			eSg	19:34.61	0.13
BLY	95.2	187	eP*	11:19:26.10	0.06
PTJ	111.9	287	ePn	11:19:28.02	-0.29
			eSn	19:41.68	-1.61
PKSM	122.4	56	ePnD	11:19:29.61	-0.01
			eSn	19:45.86	0.24
MORH	122.8	56	ePnD	11:19:29.65	-0.02
			eSn	19:45.57	-0.14
KOGS	126.1	318	ePn	11:19:30.85	0.77
			eSn	19:45.93	-0.50
CRES	148.0	280	ePn	11:19:33.00	0.18
			eSn	19:51.70	0.39
PKST	192.2	16	ePn	11:19:38.10	-0.23

442.

 2014-11-14 time: 11:22:14.76 UTC ML= 1.7
 lat: 48.475N lon: 19.387E h= 0.0 km
 erh= 2.4km erz= 6.9km
 nr= 11 gap= 92 rms=0.79
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
VYHS	40.8	273	ePg	11:22:22.00	-0.10
			eSg	22:27.00	-0.83
PSZ	72.5	149	ePg	11:22:28.00	0.26
			eSg	22:37.20	-0.67
LANS	75.3	5	ePg	11:22:28.70	0.46
			eSg	22:38.40	-0.35
PENC	76.6	186	ePg	11:22:29.84	1.38
			eSg	22:38.73	-0.42
KECS	81.2	89	ePg	11:22:29.30	0.01
			eSg	22:39.40	-1.22
MODS	156.6	266	eSn	11:22:58.20	-2.63

443.

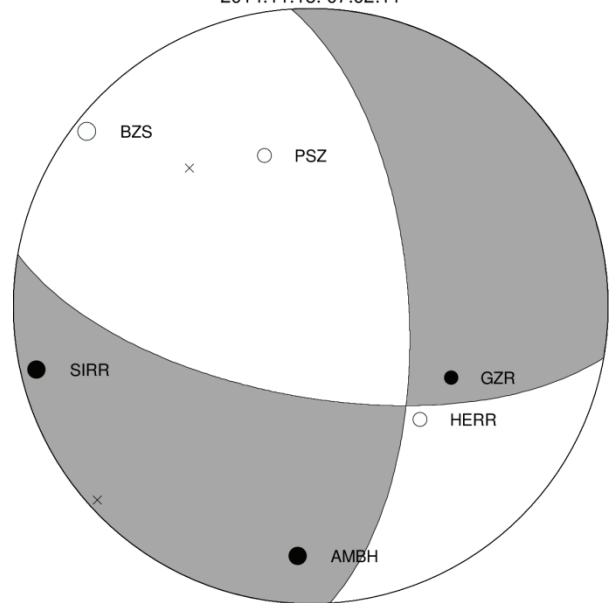
 2014-11-15 time: 7:02:11.92 UTC ML= 2.3
 lat: 46.120N lon: 20.707E h= 7.8 km
 erh= 4.0km erz= 3.5km
 nr= 23 gap=138 rms=1.18
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
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F ldr ng s param terek

AMBH	25.6	3	ePgC	7:02:17.40	0.69
			eSg	02:21.73	1.29
SIRR	75.3	77	PgC	7:02:25.15	-0.30
			Sg	02:33.90	-2.10
BZS	90.1	128	PgD	7:02:28.53	0.46
			Sg	02:39.80	-0.87
PKS6	102.9	301	ePg	7:02:30.28	-0.06
			eSg	02:43.05	-1.66
PKSN	107.8	323	ePg	7:02:31.12	-0.10
			eSg	02:44.67	-1.61
PKS2	122.3	290	ePn	7:02:32.94	-0.27
			eSn	02:47.65	-2.16
MORH	159.7	274	ePn	7:02:37.40	-0.47
			eSn	02:57.47	-0.64
PKSM	159.9	274	ePn	7:02:37.24	-0.65
			eSn	02:57.47	-0.68
GZR	180.1	117	PnC	7:02:40.93	0.51
			Sn	03:02.20	-0.45
HERR	191.8	136	PnD	7:02:44.59	2.71
			Sn	03:05.70	0.46
PKS9	194.0	286	eSn	7:03:08.28	2.56
PSZ	209.3	343	ePnD	7:02:48.14	4.09
			eSn	03:12.32	3.21

2014.11.15. 07:02:11



444.

 2014-11-18 time: 10:07:20.26 UTC ML= 0.5
 lat: 47.471N lon: 18.235E h= 0.0 km
 erh= 4.9km erz= 694km
 nr= 6 gap=274 rms=0.41
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	12.1	171	ePg	10:07:23.10	0.67
			eSg	07:24.39	0.27
PKSG	14.7	127	ePgC	10:07:23.02	0.14
			eSg	07:24.34	-0.58
PKST	28.0	213	ePgD	10:07:25.01	-0.25
			eSg	07:28.73	-0.44

Földrengés paraméterek

Hypocenter Parameters

445.

2014-11-19 time: 7:49:06.33 UTC ML= 0.9
 lat: 47.466N lon: 18.416E h= 0.0 km
 erh= 5.8km erz= 666km
 nr= 6 gap=322 rms=0.40
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.4	193	ePgC	7:49:08.02	0.18
			eSg	49:08.67	-0.34
CSKK	16.4	226	ePg	7:49:09.34	0.09
			eSg	49:10.78	-0.76
PKST	36.9	231	ePg	7:49:12.80	-0.12
			eSg	49:18.87	0.81

446.

2014-11-19 time: 7:49:33.13 UTC ML= 0.8
 lat: 47.307N lon: 18.403E h= 0.0 km
 erh= 7.1km erz= 958km
 nr= 5 gap=265 rms=0.43
 Locality: Zámoly
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	9.4	355	ePgC	7:49:34.85	0.03
			eSg	49:35.65	-0.48
CSKK	12.4	300	ePg	7:49:36.14	0.79
			eSg	49:36.98	-0.09
PKST	28.4	259	ePg	7:49:37.83	-0.37

447.

2014-11-19 time: 12:09:57.73 UTC ML= 1.9
 lat: 48.234N lon: 21.250E h= 10.0 km
 erh= 7.5km erz= 4.7km
 nr= 9 gap=207 rms=0.78
 Locality: Tállya
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	63.1	296	ePg	12:10:08.20	-0.94
			eSg	10:15.00	-3.03
CRVS	75.9	12	ePg	12:10:12.30	0.89
PSZ	106.9	251	eP*C	12:10:16.83	0.02
			eS*	10:31.69	-0.01
KOLS	108.4	44	ePn	12:10:16.70	-0.30
			eSn	10:30.80	-1.23
LANS	166.1	308	ePn	12:10:25.30	1.09
			eSn	10:45.80	0.95

448.

2014-11-20 time: 12:19:09.49 UTC ML= 1.0
 lat: 47.108N lon: 17.972E h= 10.0 km
 erh= 2.9km erz= 3.3km
 nr= 11 gap=107 rms=0.64
 Locality: Kádárta
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKST	17.4	16	ePg	12:19:12.26	-0.81
			eSg	19:15.45	-0.42
TIH	23.9	195	ePg	12:19:14.14	0.02
			eSg	19:18.77	1.04
MPLH	33.6	282	ePgD	12:19:15.68	-0.06
			eSg	19:21.57	0.95
CSKK	35.8	38	ePg	12:19:15.72	-0.40
			eSg	19:21.82	0.53
PKSG	44.7	45	eSg	12:19:25.57	1.53
MORH	111.7	153	ePn	12:19:29.36	0.19
			eSn	19:43.51	-1.02

449.

2014-11-21 time: 7:28:40.59 UTC ML= 0.8
 lat: 47.385N lon: 18.466E h= 0.0 km
 erh= 6.7km erz= 520km
 nr= 5 gap=329 rms=0.23
 Locality: Csákvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	5.7	278	ePgC	7:28:41.67	0.05
			eSg	28:42.62	0.20
CSKK	15.7	261	ePg	7:28:43.04	-0.36
			eSg	28:45.38	-0.21
PKST	35.5	247	ePg	7:28:47.21	0.28

450.

2014-11-21 time: 7:33:34.33 UTC ML= 0.4
 lat: 47.430N lon: 17.969E h= 0.0 km
 erh= 5.6km erz= 633km
 nr= 5 gap=292 rms=0.30
 Locality: Ácsteszer
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKST	19.7	165	ePgC	7:33:38.03	0.19
			eSg	33:40.46	-0.12
CSKK	23.2	109	ePgD	7:33:38.77	0.28
			eSg	33:41.64	-0.08
PKSG	32.1	98	ePg	7:33:39.53	-0.54

451.

2014-11-21 time: 9:39:42.96 UTC ML= 0.7
 lat: 47.061N lon: 18.052E h= 10.0 km
 erh= 2.6km erz= 7.3km
 nr= 8 gap=189 rms=0.42
 Locality: Balatonfűzfő
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIH	21.6	214	ePg	9:39:47.67	0.46
			eSg	39:50.04	-0.48
PKST	22.1	356	ePg	9:39:46.58	-0.71
			eSg	39:50.91	0.25
CSKK	37.1	25	ePg	9:39:49.83	0.01
			eSg	39:55.54	0.36
MPLH	40.8	287	ePg	9:39:50.73	0.27
			eSg	39:55.90	-0.41

452.

2014-11-24 time: 11:26:49.04 UTC ML= 1.5
 lat: 47.292N lon: 17.630E h= 0.0 km
 erh= 1.8km erz= 3.4km
 nr= 11 gap=129 rms=0.54
 Locality: Homokbödöge
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
MPLH	15.2	207	ePg	11:26:51.26	-0.49
			eSg	26:54.45	0.59
PKST	30.8	97	ePg	11:26:55.18	0.64
			eSg	26:58.95	0.11
TIH	47.9	155	eSg	11:27:04.35	0.08
CSKK	48.3	81	eSg	11:27:03.44	-0.96
PKSG	58.6	79	ePg	11:26:59.86	0.36
			eSg	27:07.71	0.06
SOP	91.7	298	eSg	11:27:18.01	-0.19
MORH	142.5	147	eSn	11:27:32.33	-0.86
PSZ	184.0	68	eSn	11:27:45.09	2.69*

Hypocenter Parameters

453.

2014-11-25 time: 7:36:13.79 UTC ML= 1.0
 lat: 47.457N lon: 18.453E h= 0.0 km
 erh= 5.7km erz= 482km
 nr= 6 gap=338 rms=0.31
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.6	213	ePgC	7:36:15.59	0.26
			eSg	36:16.09	-0.43
CSKK	17.8	234	ePgC	7:36:16.93	-0.05
			eSg	36:18.85	-0.61
PKST	38.5	235	ePgC	7:36:20.71	0.04
			eSg	36:26.47	0.44

454.

2014-11-25 time: 7:38:38.72 UTC ML= 0.7
 lat: 47.429N lon: 18.377E h= 0.0 km
 erh= 1.6km erz= 196km
 nr= 6 gap=292 rms=0.11
 Locality: Gánt
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	4.3	166	ePgC	7:38:39.48	-0.01
			eSg	38:40.06	-0.02
CSKK	11.5	230	ePgD	7:38:40.88	0.11
			eSg	38:42.49	0.13
PKST	32.1	234	ePgC	7:38:44.39	-0.06
			eSg	38:48.58	-0.34

455.

2014-11-25 time: 9:47:13.65 UTC ML= 0.9
 lat: 47.568N lon: 18.486E h= 0.0 km
 erh= 3.0km erz= 259km
 nr= 6 gap=335 rms=0.15
 Locality: Tatabánya
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	20.8	200	ePgD	9:47:17.48	0.11
			eSg	47:20.01	-0.26
CSKK	28.4	217	ePg	9:47:18.59	-0.13
			eSg	47:22.94	0.27
PKST	48.4	225	ePg	9:47:22.32	0.03
			eSg	47:28.94	-0.08

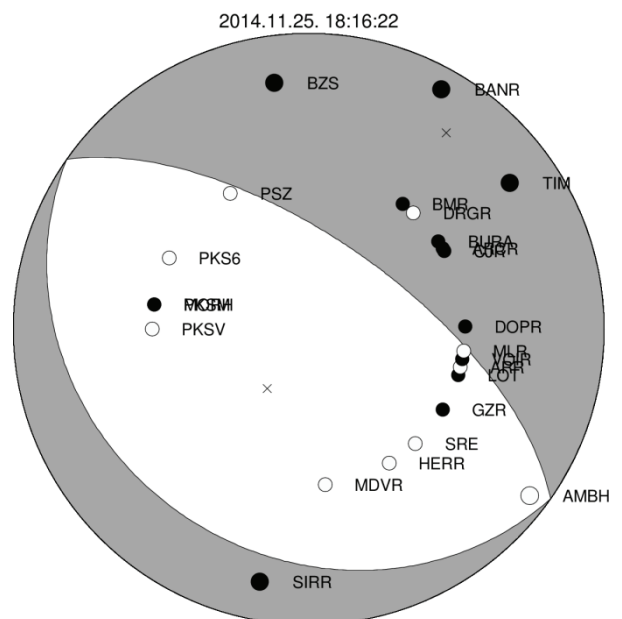
456.

2014-11-25 time: 18:16:22.59 UTC ML= 2.5
 lat: 45.908N lon: 21.555E h= 10.0 km
 erh= 2.4km erz= 2.3km
 nr= 45 gap= 39 rms=1.32
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr mn sec	res
TIM	32.2	234	PgC	18:16:28.84	0.22
			Sg	16:33.70	0.38
BZS	32.8	172	PgC	18:16:28.72	0.01
			Sg	16:32.60	-0.88
SIRR	40.7	11	PgC	18:16:29.71	-0.37
			Sg	16:34.60	-1.33
BANR	67.0	209	PgC	18:16:34.80	0.12
			Sg	16:43.80	-0.32
AMBH	80.8	307	ePgD	18:16:36.98	-0.14
			eSg	16:47.47	-0.99
DEV	104.7	92	S*	18:16:53.70	-2.23
GZR	111.1	121	PnC	18:16:41.53	-0.67
			Sn	16:55.00	-2.49

Földrengés paraméterek

MDVR	125.8	174	PnD	18:16:43.94	-0.10
			Sn	17:00.20	-0.56
DRGR	132.5	42	PnD	18:16:44.69	-0.18
			Sn	17:00.00	-2.25
HERR	132.6	149	PnD	18:16:45.41	0.53
			Sn	17:00.00	-2.26
LTVH	166.3	9	eSn	18:17:10.49	0.75
PKS6	171.7	297	ePnD	18:16:49.63	-0.12
			eSn	17:09.74	-1.20
LOT	179.9	107	PnC	18:16:52.35	1.57
			Sn	17:15.50	2.73
CJR	181.0	60	PnC	18:16:53.27	2.35
			Sn	17:15.00	1.98
SRE	189.6	137	PnD	18:16:53.83	1.85
			Sn	17:18.00	3.09
MORH	227.8	279	ePnC	18:16:55.68	-1.08
			eSn	17:28.11	4.70*
PKSM	228.0	279	ePnC	18:16:55.85	-0.93
			eSn	17:28.05	4.61
BMR	245.9	37	PnC	18:17:00.55	1.54
			Sn	17:29.00	1.59
ARR	247.4	104	PnD	18:17:01.16	1.96
			Sn	17:30.80	3.05
ARCR	251.6	59	PnC	18:17:01.54	1.83
			Sn	17:30.70	2.03
PKSV	256.4	270	ePnD	18:17:05.55	5.24
PSZ	256.8	330	ePnD	18:16:59.94	-0.43
			eSn	17:26.57	-3.26
VOIR	277.3	101	PnC	18:17:05.49	2.57
			Sn	17:37.20	2.82
DOPR	297.4	89	PnC	18:17:07.02	1.60
			Sn	17:40.90	2.07*
PKST	308.8	299	ePn	18:17:06.54	-0.32*
			eSn	17:50.02	8.64*
HUMR	309.7	120	Sn	18:17:44.40	2.83*
BURA	338.0	56	PnC	18:17:12.92	2.43*
			Sn	17:50.00	2.15*
KOLS	340.7	9	ePn	18:17:22.40	11.58*
MLR	345.0	98	PnD	18:17:13.39	2.02*
			Sn	17:51.50	2.09*
VYHS	353.7	324	ePn	18:17:12.60	0.15*
			eSn	17:49.80	-1.54*
LANS	393.3	336	ePn	18:17:17.40	0.02*
MODS	424.8	310	eSn	18:18:02.00	-5.12*
KRLC	584.5	322	ePn	18:17:40.60	-0.63*
			eSn	18:41.70	-0.86*



Földrengés paraméterek

Hypocenter Parameters

457.

2014-11-26 time: 12:29:00.58 UTC ML= 0.6
 lat: 47.210N lon: 18.312E h= 0.0 km
 erh= 2.5km erz= 699km
 nr= 9 gap=151 rms=0.52
 Locality: Székesfehérvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	17.5	347	ePg	12:29:03.48	-0.22
			eSg	29:05.68	-0.46
PKSG	21.1	16	ePg	12:29:04.64	0.30
			eSg	29:07.80	0.52
PKST	21.8	285	ePg	12:29:03.89	-0.57
			eSg	29:07.00	-0.49
MPLH	58.8	266	ePg	12:29:11.48	0.41
			eSg	29:20.73	1.48
PKSM	113.8	167	ePg	12:29:20.66	-0.23

458.

2014-11-28 time: 13:42:10.04 UTC ML= 0.6
 lat: 47.487N lon: 18.038E h= 0.0 km
 erh= 4.6km erz= 607km
 nr= 6 gap=291 rms=0.35
 Locality: Kisbér
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	21.7	130	ePg	13:42:14.39	0.47
			eSg	42:17.31	0.36
PKST	25.4	181	ePg	13:42:14.52	-0.06
			eSg	42:17.92	-0.20
PKSG	28.6	112	ePg	13:42:15.05	-0.10
			eSg	42:18.44	-0.70

459.

2014-11-30 time: 2:41:30.04 UTC ML= 0.9
 lat: 47.525N lon: 18.883E h= 10.0 km
 erh= 1.0km erz= 0.7km
 nr= 11 gap=156 rms=0.19
 Locality: Budakeszi
 Comments:

sta	dist	azm	phase	hr mn sec	res
BUD	11.6	113	ePgD	2:41:32.77	0.00
			eSg	41:34.58	-0.32
PKSG	39.9	248	ePg	2:41:37.29	-0.10
			eSg	41:42.82	-0.30
PENC	42.1	45	ePg	2:41:37.65	-0.12
			eSg	41:45.58	1.78*
CSKK	50.2	249	eSg	2:41:46.25	-0.07
PKST	70.5	245	ePg	2:41:42.88	0.12
			eSg	41:53.34	0.66
PSZ	87.6	60	eSg	2:41:58.26	0.18
MORH	146.6	187	eSn	2:42:12.79	-0.03
PKSM	147.1	187	eSn	2:42:13.01	0.08

460.

2014-11-30 time: 9:56:47.16 UTC ML= 1.4
 lat: 45.961N lon: 17.009E h= 12.7 km
 erh= 2.8km erz= 2.5km
 nr= 13 gap=116 rms=0.52
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
KOGS	79.8	313	ePg	9:57:01.83	0.25
			eSg	57:13.54	0.71
PTJ	81.8	265	ePg	9:57:01.88	-0.07
			eSg	57:12.04	-1.44

PKSV	96.8	95	eP*	9:57:04.20	-0.24
CRES	121.4	263	ePn	9:57:07.60	-0.12
			eSn	57:23.10	-0.65
PKSM	129.3	78	ePn	9:57:09.00	0.30
			eSn	57:23.76	-1.74
MORH	129.6	77	ePn	9:57:09.10	0.36
			eSn	57:25.49	-0.07
BLY	135.4	174	eSn	9:57:27.90	1.04
ARSA	183.1	322	eSn	9:57:35.50	-1.93

461.

2014-12-02 time: 10:26:53.28 UTC ML= 1.4
 lat: 47.974N lon: 19.978E h= 6.9 km
 erh= 2.2km erz= 1.3km
 nr= 9 gap=191 rms=0.34
 Locality: Mátramindszent
 Comments:

sta	dist	azm	phase	hr mn sec	res
PSZ	8.8	225	ePgC	10:26:54.99	-0.28
			eSg	26:57.40	0.57
PENC	55.9	249	ePg	10:27:03.08	-0.26
			eSg	27:12.07	0.88
KECS	68.0	34	eSg	10:27:15.10	0.09
VYHS	102.7	304	ePg	10:27:12.00	0.35
			eSg	27:25.40	-0.58
PKSG	135.6	241	eSn	10:27:34.31	-0.02
PKST	166.3	241	eSn	10:27:41.32	0.18

462.

2014-12-02 time: 11:12:00.11 UTC ML= 2.2
 lat: 48.903N lon: 20.506E h= 0.0 km
 erh= 2.3km erz= 3.6km
 nr= 13 gap=159 rms=0.72
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	46.7	182	ePg	11:12:07.60	-0.85
			eSg	12:14.40	-0.56
CRVS	70.1	90	ePg	11:12:12.80	0.18
			eSg	12:21.40	-0.98
LANS	80.7	290	eSg	11:12:25.70	-0.07
PSZ	118.5	202	ePg	11:12:21.69	0.42
			eSg	12:37.13	-0.64
KOLS	129.6	89	ePg	11:12:23.60	0.35
			eSg	12:40.40	-0.90
VYHS	131.1	250	ePn	11:12:23.20	-0.28
			eSn	12:38.20	-3.51*
PENC	153.4	216	ePn	11:12:27.72	1.45
			eSn	12:48.08	1.40

463.

2014-12-02 time: 21:28:25.61 UTC ML= 0.1
 lat: 47.477N lon: 18.300E h= 0.2 km
 erh= 3.5km erz= 203km
 nr= 6 gap=284 rms=0.31
 Locality: Oroszlány
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKSG	11.6	144	ePgD	21:28:27.80	0.11
			eSg	28:28.86	-0.45
CSKK	13.0	193	ePgC	21:28:28.30	0.37
			eSg	28:29.99	0.26
PKST	31.4	220	ePgD	21:28:31.07	-0.16
			eSg	28:35.09	-0.52

Hypocenter Parameters

Földrengés paraméterek

464.

2014-12-03 time: 9:56:22.56 UTC ML= 1.7
 lat: 48.613N lon: 20.742E h= 0.0 km
 erh= 1.9km erz= 3.0km
 nr= 8 gap=160 rms=0.26
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
KECS	23.8	233	ePg	9:56:26.60	-0.22
			eSg	56:30.40	0.27
CRVS	61.9	59	ePg	9:56:33.80	0.18
			eSg	56:41.70	-0.54
PSZ	99.6	219	ePg	9:56:40.65	0.29
			eSg	56:53.70	-0.53
LANS	111.0	303	ePg	9:56:42.40	0.02
VYHS	141.3	265	ePn	9:56:47.20	-0.02
			eSn	57:04.40	-2.05*

465.

2014-12-03 time: 12:51:41.65 UTC ML= 0.8
 lat: 47.462N lon: 18.118E h= 0.0 km
 erh= 6.5km erz= ***km
 nr= 8 gap=237 rms=0.84
 Locality: Bakonysárkány
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
CSKK	15.3	136	ePg	12:51:44.35	-0.03
			eSg	51:47.12	0.60
PKSG	22.0	111	ePg	12:51:45.41	-0.16
			eSg	51:48.70	0.07
PKST	23.4	196	ePgD	12:51:44.96	-0.87
			eSg	51:47.93	-1.16
MPLH	54.5	233	ePg	12:51:52.10	0.73
			eSg	52:01.32	2.36

466.

2014-12-04 time: 8:23:35.47 UTC ML= 1.0
 lat: 47.457N lon: 18.396E h= 0.0 km
 erh= 2.3km erz= 269km
 nr= 6 gap=312 rms=0.16
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.3	183	ePgC	8:23:36.93	0.16
			eSg	23:37.44	-0.34
CSKK	14.6	224	ePgC	8:23:37.96	-0.12
			eSg	23:40.31	0.19
PKST	35.1	231	ePg	8:23:41.73	-0.01
			eSg	23:46.64	0.01

467.

2014-12-04 time: 8:23:57.23 UTC ML= 0.9
 lat: 47.471N lon: 18.403E h= 0.0 km
 erh= 1.5km erz= 148km
 nr= 5 gap=316 rms=0.07
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	8.9	186	ePgC	8:23:58.77	-0.04
			eSg	24:00.06	0.01
CSKK	16.1	222	ePgC	8:24:00.21	0.10
			eSg	24:02.31	-0.04
PKST	36.5	230	ePg	8:24:03.68	-0.06

468.

2014-12-05 time: 11:28:26.27 UTC ML= 1.6
 lat: 48.296N lon: 21.207E h= 13.0 km
 erh= 1.9km erz= 1.3km
 nr= 8 gap=199 rms=0.15
 Locality: Abaújkér
 Comments:

sta	dist	azm	phase	hr mn sec	res
KECS	57.4	291	ePg	11:28:36.70	-0.07
			eSg	28:44.90	-0.06
CRVS	70.0	16	ePg	11:28:39.00	0.02
			eSg	28:49.00	0.11
KOLS	105.8	48	ePn	11:28:44.60	-0.24
			eSn	28:59.40	0.08
PSZ	106.4	247	ePn	11:28:45.19	0.28
			eSn	28:59.36	-0.09

469.

2014-12-10 time: 7:05:52.45 UTC ML= 0.8
 lat: 47.456N lon: 18.423E h= 0.0 km
 erh= 5.3km erz= 542km
 nr= 5 gap=326 rms=0.25
 Locality: Várgesztes
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	7.5	199	ePgC	7:05:53.85	0.06
			eSg	05:54.72	-0.12
CSKK	16.0	230	ePgD	7:05:55.18	-0.13
			eSg	05:57.34	-0.20
PKST	36.6	233	eSg	7:06:04.80	0.72

470.

2014-12-10 time: 13:14:21.25 UTC ML= 2.3
 lat: 45.529N lon: 16.052E h= 8.1 km
 erh= 4.3km erz= 2.6km
 nr= 28 gap=226 rms=1.02
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr mn sec	res
PTJ	41.9	350	ePg	13:14:28.91	0.04
			eSg	14:34.84	0.02
KOGS	103.3	9	ePg	13:14:40.11	0.35
			eSg	14:54.80	0.60
SOKA	150.1	328	Pn	13:14:45.59	-0.38
			Sn	15:04.90	-0.35
OBKA	159.5	313	Pn	13:14:48.74	1.60
			Sn	15:07.96	0.63
PKSV	175.9	77	ePn	13:14:50.73	1.54
			eSn	15:11.40	0.42
ARSA	195.7	348	Pn	13:14:51.67	0.02
			Sn	15:15.82	0.46
PKSM	214.9	69	ePn	13:14:52.35	-1.70
			eSn	15:23.11	3.48
MORH	215.2	69	ePn	13:14:51.74	-2.36
			eSn	15:22.90	3.19
MPLH	215.4	32	ePn	13:14:52.44	-1.67
MYKA	223.0	303	Pn	13:14:54.94	-0.13
			Sn	15:19.54	-1.90
SOP	242.6	9	ePn	13:14:57.93	0.42
PKST	245.4	38	ePn	13:14:56.81	-1.05
			eSn	15:24.72	-1.69
CONA	267.1	357	Pn	13:15:00.84	0.27
			Sn	15:31.08	-0.15
KBA	270.5	310	Pn	13:15:00.58	-0.41
			Sn	15:31.58	-0.40
MOA	291.9	332	Pn	13:15:04.43	0.77
			Sn	15:36.16	-0.57

Földrengés paraméterek

Hypocenter Parameters

471.

2014-12-11 time: 4:53:15.72 UTC ML= 1.3
 lat: 47.322N lon: 19.637E h= 13.0 km
 erh= 2.7km erz= 2.7km
 nr= 11 gap=119 rms=0.70
 Locality: Tápiószentmárton
 Comments:

sta	dist	azm	phase	hr mn sec	res
PKS7	47.3	230	ePg	4:53:25.81	1.33
			eSg	53:30.72	-0.60
BSZH	47.7	93	ePg	4:53:24.09	-0.45
			eSg	53:28.70	-2.73
PENC	58.5	333	eSg	4:53:34.64	-0.14
PSZ	69.0	16	ePg	4:53:28.55	0.29
			eSg	53:37.81	-0.24
PKSG	94.5	275	eP*D	4:53:32.65	0.02
			eS*	53:44.72	-1.10
PKST	121.5	267	eSn	4:53:51.42	-0.82
PKSM	145.0	212	eSn	4:53:58.10	0.63

472.

2014-12-11 time: 8:20:42.28 UTC ML= 0.9
 lat: 47.581N lon: 18.486E h= 0.0 km
 erh= 3.1km erz= 276km
 nr= 6 gap=335 rms=0.17
 Locality: Vértestolna
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	22.2	199	ePg	8:20:46.34	0.09
			eSg	20:49.37	0.03
CSKK	29.6	215	ePg	8:20:47.36	-0.20
			eSg	20:51.43	-0.25
PKST	49.4	224	ePg	8:20:51.32	0.21
			eSg	20:58.05	0.06

473.

2014-12-11 time: 10:00:04.75 UTC ML= 1.6
 lat: 47.889N lon: 19.088E h= 0.0 km
 erh= 7.1km erz= ***km
 nr= 6 gap=218 rms=0.67
 Locality: Berkenye
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PENC	18.1	127	ePg	10:00:07.57	-0.42
			eSg	00:10.62	0.10
PSZ	60.4	87	ePg	10:00:14.90	-0.64
			eSg	00:24.24	0.29
VYHS	69.9	344	ePg	10:00:18.50	1.27
			eSg	00:26.50	-0.46

474.

2014-12-12 time: 13:41:30.21 UTC ML= 1.5
 lat: 48.304N lon: 19.744E h= 0.0 km
 erh= 5.0km erz= ***km
 nr= 6 gap=143 rms=0.82
 Locality: Slovakia
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	44.3	165	ePg	13:41:38.23	0.11
			eSg	41:44.46	0.17
KECS	58.5	70	ePg	13:41:39.20	-1.45
			eSg	41:50.00	1.21
VYHS	70.5	287	ePg	13:41:42.80	0.01
			eSg	41:53.50	0.89

475.

2014-12-13 time: 10:16:37.80 UTC ML= 1.5
 lat: 48.044N lon: 19.573E h= 0.0 km
 erh= 4.3km erz= ***km
 nr= 8 gap=102 rms=1.01
 Locality: Nagylóc
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PSZ	27.8	120	ePgD	10:16:41.84	-0.92
			eSg	16:45.90	-0.73
PENC	35.7	218	ePgC	10:16:44.05	-0.11
			eSg	16:49.91	0.78
VYHS	74.1	312	ePg	10:16:52.20	1.17
			eSg	16:59.80	-1.55
KECS	83.5	54	ePg	10:16:54.20	1.50
			eSg	17:03.60	-0.73

476.

2014-12-15 time: 8:44:23.43 UTC ML= 1.0
 lat: 47.373N lon: 18.478E h= 0.0 km
 erh= 7.6km erz= 829km
 nr= 6 gap=322 rms=0.48
 Locality: Csákvár
 Comments: probably explosion

sta	dist	azm	phase	hr mn sec	res
PKSG	6.9	288	ePgC	8:44:24.74	0.08
			eSg	44:25.96	0.33
CSKK	16.4	266	ePgD	8:44:26.01	-0.36
			eSg	44:27.36	-1.30
PKST	35.8	249	ePg	8:44:30.21	0.38
			eSg	44:35.32	0.49

477.

2014-12-16 time: 1:52:36.72 UTC ML= 1.5
 lat: 48.387N lon: 19.122E h= 8.5 km
 erh= 1.9km erz= 2.0km
 nr= 22 gap= 77 rms=0.72
 Locality: Slovakia
 Comments:

sta	dist	azm	phase	hr mn sec	res
VYHS	24.3	300	ePg	1:52:41.50	0.19
			eSg	52:44.60	-0.29
PENC	67.3	170	ePg	1:52:49.67	0.83
			eSg	52:57.50	-0.79
PSZ	77.6	132	ePg	1:52:50.90	0.25
			eSg	53:00.18	-1.34
SRO	87.7	223	ePg	1:52:52.10	-0.35
			eSg	53:02.60	-2.11
LANS	88.7	17	ePg	1:52:52.80	0.17
			eSg	53:05.60	0.56
KECS	101.5	84	ePg	1:52:54.40	-0.51
			eSg	53:08.00	-1.10
PKSG	123.4	206	ePn	1:52:58.29	0.24
			eSn	53:12.57	-2.11
SMOL	126.0	276	ePn	1:52:58.90	0.52
			eSn	53:14.20	-1.08
CSKK	130.8	210	ePn	1:52:59.60	0.63
			eSn	53:16.36	0.04
MODS	136.6	269	eSn	1:53:15.10	-2.53
			eSg	53:20.66	0.18
PKST	149.5	213	ePn	1:53:01.86	0.56
			eSn	53:20.66	0.18
MPLH	179.9	221	eSn	1:53:27.83	0.61

Hypocenter Parameters

Földrengés paraméterek

478.

2014-12-16 time: 11:41:56.78 UTC ML= 0.8
 lat: 47.147N lon: 18.400E h= 0.0 km
 erh= 7.9km erz= ***km
 nr= 8 gap=274 rms=0.90
 Locality: Sárszentmihály
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	26.2	336	ePgD	11:42:01.40			-0.06
			eSg		42:05.03		-0.09
PKSG	27.2	358	ePg	11:42:02.13			0.50
			eSg		42:05.68		0.26
PKST	30.4	294	ePg	11:42:00.80			-1.41
			eSg		42:05.05		-1.39
MPLH	65.3	272	ePg	11:42:09.11			0.66
			eSg		42:19.31		1.76

479.

2014-12-17 time: 11:15:21.54 UTC ML= 0.9
 lat: 47.578N lon: 18.514E h= 0.0 km
 erh= 3.4km erz= 269km
 nr= 6 gap=339 rms=0.16
 Locality: Tarján
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKSG	22.7	204	ePgC	11:15:25.52			-0.07
			eSg		15:28.82		0.07
CSKK	30.6	219	ePg	11:15:26.88			-0.13
			eSg		15:31.34		0.07
PKST	50.7	226	ePg	11:15:30.89			0.30
			eSg		15:37.47		-0.18

480.

2014-12-18 time: 7:40:12.46 UTC ML= 0.5
 lat: 47.460N lon: 18.221E h= 0.0 km
 erh= 1.4km erz= 199km
 nr= 6 gap=268 rms=0.11
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	11.2	164	ePgD	7:40:14.68			0.22
			eSg		40:15.99		-0.02
PKSG	14.9	121	ePgD	7:40:15.10			-0.02
			eSg		40:17.07		-0.13
PKST	26.4	212	ePgD	7:40:17.10			-0.08
			eSg		40:20.82		-0.03

481.

2014-12-18 time: 7:49:30.97 UTC ML= 0.2
 lat: 47.468N lon: 18.226E h= 0.0 km
 erh= 2.4km erz= 342km
 nr= 6 gap=272 rms=0.20
 Locality: Bokod
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
CSKK	11.9	167	ePg	7:49:33.50			0.40
			eSg		49:34.80		0.04
PKSG	15.1	124	ePgD	7:49:33.65			-0.01
			eSg		49:35.53		-0.22
PKST	27.3	212	ePg	7:49:35.66			-0.19
			eSg		49:39.63		-0.03

482.

2014-12-20 time: 23:04:22.63 UTC ML= 1.6
 lat: 45.878N lon: 18.497E h= 10.0 km
 erh= 3.2km erz= 2.4km
 nr= 10 gap=228 rms=0.39
 Locality: Márok
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
PKSV	19.1	273	ePgD	23:04:26.62			0.15
			eSg		04:28.95		-0.52
PKSM	38.7	17	ePgD	23:04:29.30			-0.47
			eSg		04:33.62		-1.72
PKS9	80.6	348	ePg	23:04:37.51			0.38
			eSg		04:48.86		0.42
PKS2	87.8	39	ePg	23:04:38.34			-0.07
			eSg		04:51.55		0.83
PKS6	114.9	46	ePnD	23:04:42.55			-0.17
			eSn		04:59.07		0.68

483.

2014-12-21 time: 15:01:27.65 UTC ML=-0.1
 lat: 47.384N lon: 18.207E h= 9.7 km
 erh= 0.6km erz= 0.2km
 nr= 6 gap=223 rms=0.01
 Locality: Mór
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
CSKK	4.7	119	ePgC	15:01:29.58			0.02
			eSg		01:31.05		-0.01
PKSG	13.9	86	ePg	15:01:30.67			0.00
			eSg		01:33.03		0.00
PKST	19.0	223	ePgC	15:01:31.45			-0.01
			eSg		01:34.44		0.01

484.

2014-12-22 time: 6:49:38.27 UTC ML= 0.5
 lat: 47.428N lon: 17.986E h= 0.0 km
 erh= 4.8km erz= 609km
 nr= 6 gap=288 rms=0.35
 Locality: Ácsteszer
 Comments: probably explosion

sta	dist	azm	phase	hr	mn	sec	res
PKST	19.1	169	ePg	6:49:41.59			-0.09
			eSg		49:44.56		0.22
CSKK	21.9	109	ePg	6:49:42.44			0.26
			eSg		49:44.48		-0.75
PKSG	30.8	97	ePgD	6:49:43.56			-0.20
			eSg		49:48.60		0.55

485.

2014-12-23 time: 13:12:02.68 UTC ML= 3.3
 lat: 45.510N lon: 20.973E h= 5.3 km
 erh= 2.1km erz= 1.6km
 nr= 42 gap=137 rms=0.93
 Locality: Romania
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
BANR	19.0	138	PgC	13:12:07.04			0.83
			Sg		12:10.60		1.63
BZS	51.6	77	PgD	13:12:11.99			0.04
			Sg		12:18.00		-1.18
AMBH	95.3	348	ePgD	13:12:20.01			0.28
			eSg		12:33.02		-0.01
SIRR	99.6	32	PgC	13:12:20.05			-0.45
			PgD	13:12:20.08			-0.43
MDVR	99.7	144	PgD	13:12:20.08			-0.43
			Sg		12:32.60		-1.82

Földrengés paraméterek

HERR	133.2	122	PnC	13:12:25.38	-0.26
			Sn	12:42.30	-1.25
GZR	141.7	95	PnD	13:12:25.89	-0.81
			Sn	12:44.20	-1.23
DEV	156.0	75	Sn	13:12:48.10	-0.50
PKS6	163.0	318	ePnC	13:12:28.98	-0.37
RMGR	164.9	125	PnD	13:12:30.40	0.81
			Sn	12:52.80	2.22
PKS2	174.6	309	ePnC	13:12:30.68	-0.12
PKSN	176.2	331	eSn	13:12:55.39	2.30
PKSM	197.2	293	ePnD	13:12:33.04	-0.57
			eSn	13:01.53	3.79
SRE	199.4	118	PnC	13:12:35.32	1.43
PKSV	216.0	281	ePnC	13:12:35.30	-0.67
			eSn	13:08.51	6.58*
LOT	218.8	92	PnC	13:12:37.22	0.91
			Sn	13:04.20	1.66
LTVH	220.3	19	ePnD	13:12:37.13	0.64
PKS7	220.7	321	ePnC	13:12:36.89	0.34
			eSn	13:07.78	4.81*
PKS9	240.4	300	ePnD	13:12:38.65	-0.36
			eSn	13:05.63	-1.72
CJR	243.1	57	PnD	13:12:38.90	-0.44
			Sn	13:08.70	0.77
BUD	265.6	326	ePnD	13:12:41.60	-0.54
MDB	273.9	75	PnD	13:12:44.22	1.03
			Sn	13:15.40	0.62
PSZ	280.1	343	ePnD	13:12:43.14	-0.82
TIH	283.5	303	ePnD	13:12:44.12	-0.26
PENC	284.7	333	ePn	13:12:44.00	-0.52
ARR	286.9	93	PnC	13:12:45.94	1.14
			Sn	13:19.30	1.65
PKSG	288.3	317	ePnD	13:12:44.34	-0.64
			eSn	13:26.38	8.41*
CSKK	293.1	315	ePn	13:12:45.45	-0.12
			eSn	13:26.56	7.53*
PKST	298.2	311	ePnD	13:12:46.05	-0.16
BMR	308.6	39	PnD	13:12:47.40	-0.11*
			Sn	13:23.30	0.83*
VOIR	318.9	91	PnC	13:12:50.00	1.21*
			Sn	13:26.10	1.34*
MPLH	322.4	305	ePnD	13:12:49.37	0.14*
KECS	332.6	354	ePn	13:12:49.10	-1.40*
			eSn	13:27.20	-0.60*
BEHE	342.3	288	ePn	13:12:54.32	2.61*
DOPR	347.4	82	PnC	13:12:53.51	1.16*
EGYH	351.0	307	ePnD	13:12:49.23	-3.56*
PDG	368.9	202	PnC	13:12:56.10	1.07*
VYHS	369.4	334	ePn	13:12:54.60	-0.49*
CRVS	378.9	6	ePn	13:12:56.00	-0.28*
OZUR	379.8	80	PnD	13:12:57.17	0.78*
MLR	388.6	90	PnD	13:12:59.18	1.69*
KOLS	393.1	15	ePn	13:12:58.70	0.66*
SOP	415.7	306	ePnD	13:13:00.46	-0.40*
ZST	419.9	315	e n	13:13:00.70	-0.69*
MODS	424.9	319	ePn	13:13:00.10	-1.91*
			eSn	13:44.50	-3.78*
BIZ	426.6	68	PnC	13:13:03.43	1.21*
VRI	450.0	85	PnD	13:13:05.53	0.39*
ARSA	461.8	295	Pn	13:13:06.13	-0.48*
			Sn	13:53.41	-3.06*
CONA	474.3	305	Pn	13:13:07.16	-1.01*
			Sn	13:56.12	-3.14*
SOKA	477.4	286	Pn	13:13:07.45	-1.10*
			Sn	13:56.24	-3.70*
OBKA	509.8	283	Pn	13:13:12.27	-0.33*
			Sn	14:05.21	-1.92*
VRAC	536.3	322	PnC	13:13:14.94	-0.96*
MOA	575.3	297	Pn	13:13:20.59	-0.17*
			Sn	14:20.35	-1.32*
MYKA	580.7	282	Pn	13:13:22.89	1.45*
KHC	688.9	306	ePn	13:13:33.90	-1.03*
			eSn	14:41.60	-5.29*

Hypocenter Parameters

486.

2014-12-27 time: 0:57:04.17 UTC ML= 1.5
 lat: 46.188N lon: 16.547E h= 10.0 km
 erh= 1.9km erz= 1.6km
 nr= 31 gap=138 rms=0.64
 Locality: Croatia
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
KOGS	36.9	322	iPg	0:57:11.29			0.30
			iSg		57:16.75		0.44
PTJ	55.7	235	ePg	0:57:14.26			-0.01
			eSg		57:21.91		-0.25
ZAG	58.5	227	ePg	0:57:15.20			0.43
			eSg		57:23.91		0.87
GOLS	74.0	255	iPg	0:57:17.56			0.06
			eSg		57:26.84		-1.06
GCIS	79.6	243	iPg	0:57:18.52			0.02
DOBS	83.4	267	iPg	0:57:19.07			-0.09
GROS	86.0	291	iPg	0:57:19.32			-0.31
LEGS	98.8	254	ePg	0:57:21.51			-0.38
SOKA	128.5	295	Pn	0:57:26.21			0.26
			Sn		57:42.51		-0.43
TIH	130.1	53	ePn	0:57:25.54			-0.60
			eSn		57:42.47		-0.82
MPLH	133.0	35	ePn	0:57:25.27			-1.24
			eSn		57:44.26		0.33
PKS9	140.4	72	eSn	0:57:46.02			0.44
ARSA	141.7	326	Pn	0:57:27.21			-0.38
			Sn		57:44.47		-1.39
OBKA	157.9	283	Pn	0:57:30.21			0.60
			Sn		57:50.12		0.66
PKSM	161.7	89	eSn	0:57:50.91			0.61
PKST	164.6	44	ePn	0:57:29.01			-1.44
			eSn		57:52.99		2.04
SOP	166.3	0	ePn	0:57:31.00			0.35
			eSn		57:52.89		1.58
PKSG	194.2	46	ePn	0:57:36.75			2.61
CONA	200.4	345	Pn	0:57:36.55			1.64
			Sn		57:59.49		0.61

487.

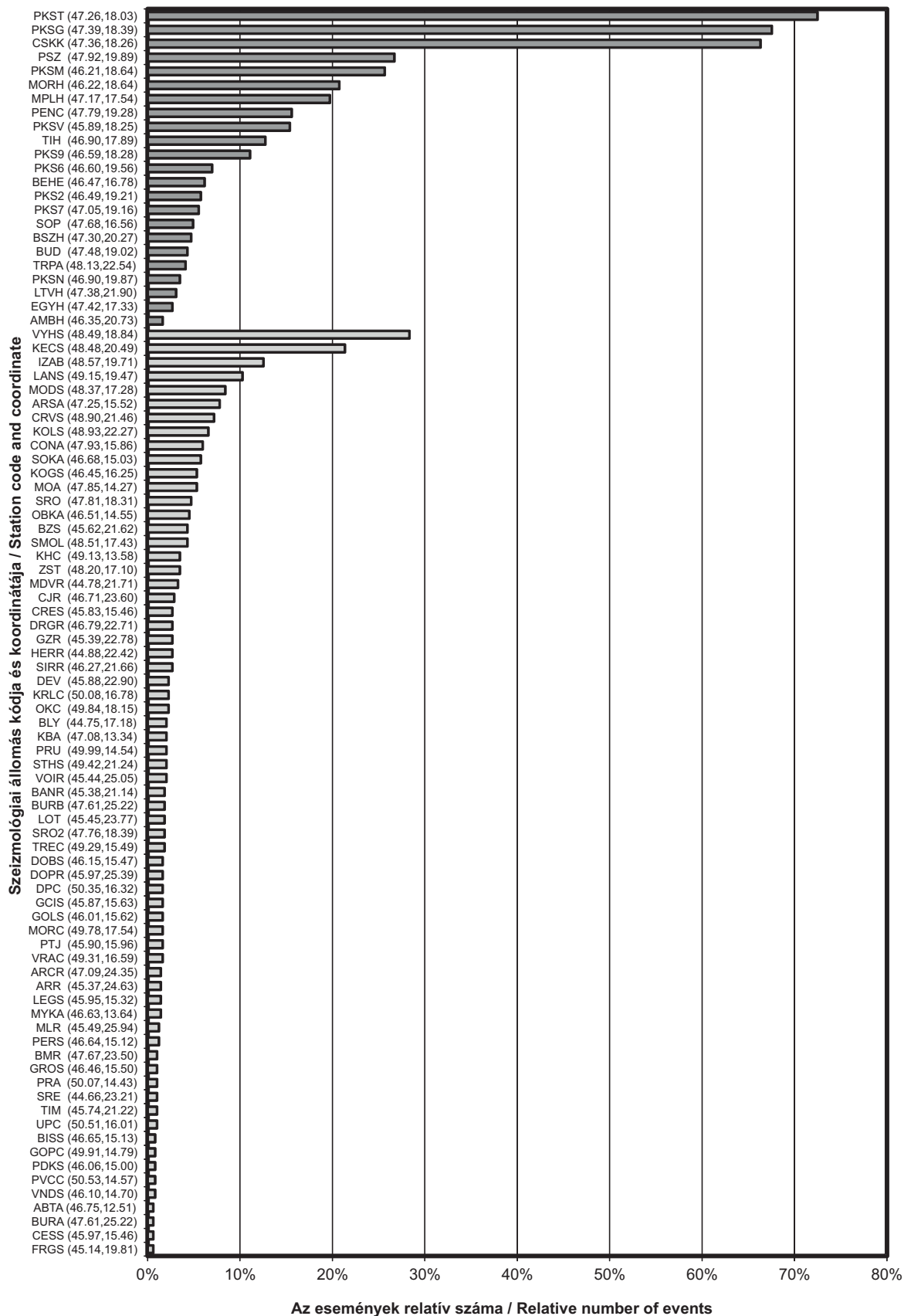
2014-12-27 time: 9:38:15.86 UTC ML= 1.6
 lat: 47.837N lon: 16.597E h= 2.6 km
 erh= 1.6km erz= 1.7km
 nr= 32 gap= 66 rms=0.79
 Locality: Austria
 Comments:

sta	dist	azm	phase	hr	mn	sec	res
SOP	17.3	190	ePgD	9:38:19.39			0.40
			eSg		38:21.34		-0.09
ZST	54.9	43	ePg	9:38:26.30			0.62
			eSg		38:33.10		-0.24
CONA	55.9	280	Pg	9:38:25.63			-0.23
			Sg		38:33.10		-0.56
MODS	78.3	40	ePg	9:38:29.10			-0.75
			eSg		38:39.20		-1.55
SMOL	97.4	39	ePg	9:38:33.60			0.34
			eSg		38:45.70		-1.13
MPLH	102.7	136	ePg	9:38:34.82			0.62
			eSg		38:48.00		-0.51
ARSA	103.9	231	Pg	9:38:33.61			-0.80
			Sg		38:45.91		-2.98
PKST	125.9	121	ePnD	9:38:37.92			-0.33
			eSn		38:56.06		0.34
SRO	128.6	91	ePn	9:38:39.70			1.11
			eSn		38:54.60		-1.71
PKSG	143.7	110	ePn	9:38:40.27			-0.20
			eSn		38:57.72		-1.95
KOGS	156.6	190	ePn	9:38:43.35			1.26
			eSn		39:02.08		-0.47
MOA	174.5	270	Pn	9:38:45.01			0.70

Hypocenter Parameters

		Sn	39:06.30	-0.21	
SOKA	175.0	223	Pn	9:38:45.30	0.92
		Sn	39:05.64	-0.98	
TREC	181.6	333	ePn	9:38:45.60	0.40
		eSn	39:06.70	-1.39	
VYHS	181.9	66	ePn	9:38:45.80	0.56
		eSn	39:09.00	0.85	
KHC	265.5	303	ePn	9:38:58.50	2.83
		eSn	39:28.60	1.88	

Földrengés paraméterek



3.4. ábra Az egyes állomások részvétele a hipocentrum meghatározásban
 Figure 3.4. Contribution of individual stations to the hypocenter determination

4.

JELENTŐS FÖLDRENGÉSEK 2014-BEN (Magyarországon érezhető földrengések)

2014. január 19.	–	Iliny
2014. január 19.	–	Iliny
2014. január 22.	–	Iliny
2014. február 3.	–	Iliny
2014. február 11.	–	Nagykőrös
2014. február 19.	–	Érsekvadkert
2014. május 8.	–	Bükkszentkereszt
2014. június 4.	–	Bükkszentkereszt
2014. június 5.	–	Bükkszentkereszt
2014. augusztus 3.	–	Iliny

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 2014 (Earthquakes felt in Hungary)

19 January 2014	–	Iliny
19 January 2014	–	Iliny
22 January 2014	–	Iliny
3 February 2014	–	Iliny
11 February 2014	–	Nagykőrös
19 February 2014	–	Érsekvadkert
8 May 2014	–	Bükkszentkereszt
4 June 2014	–	Bükkszentkereszt
5 June 2014	–	Bükkszentkereszt
3 August 2014	–	Iliny

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*)

2014. január 19. - Iliny / 19 January 2014 - Iliny**FÉSZEKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/01/19
Kipattanási idő / Origin Time:	01:34:34.54 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.025 N 19.435 E (S.D. 1.7 km)
Mélység / Depth:	2.4 km (S.D. 1.8 km)
Magnitúdó / Magnitude:	4.2 ML
Maximális intenzitás / Maximum Intensity:	5 EMS

LEÍRÁS

Január 19-én hajnalban 4.2 M_L magnitúdójú földrengés pattant ki Iliny – Nógrádmarcfal térségében. A rengés intenzitása az epicentrum térségében meghaladta az 5 EMS fokot, néhány településen enyhébb épületkárok is történtek. Elsősorban gyengébb, régebbi épületekben vakolatrepedések keletkeztek, kémények sérültek. A földrengés nagy területen volt érezhető. A rengést számos utórengés követte, melyek közül több érezhető is volt (január 19-én, január 22-én, február 3-án, augusztus 3-án).

A rengés számított intenzitás eloszlását a 4.1. ábra mutatja.

$I \geq 3$ (gyenge érzékettség) becsült területe 21739 km²

$I \geq 4$ (enyhe érzékettség) becsült területe 5259 km²

$I \geq 5$ (mérsékelt érzékettség) becsült területe 1154 km²

DISCUSSION

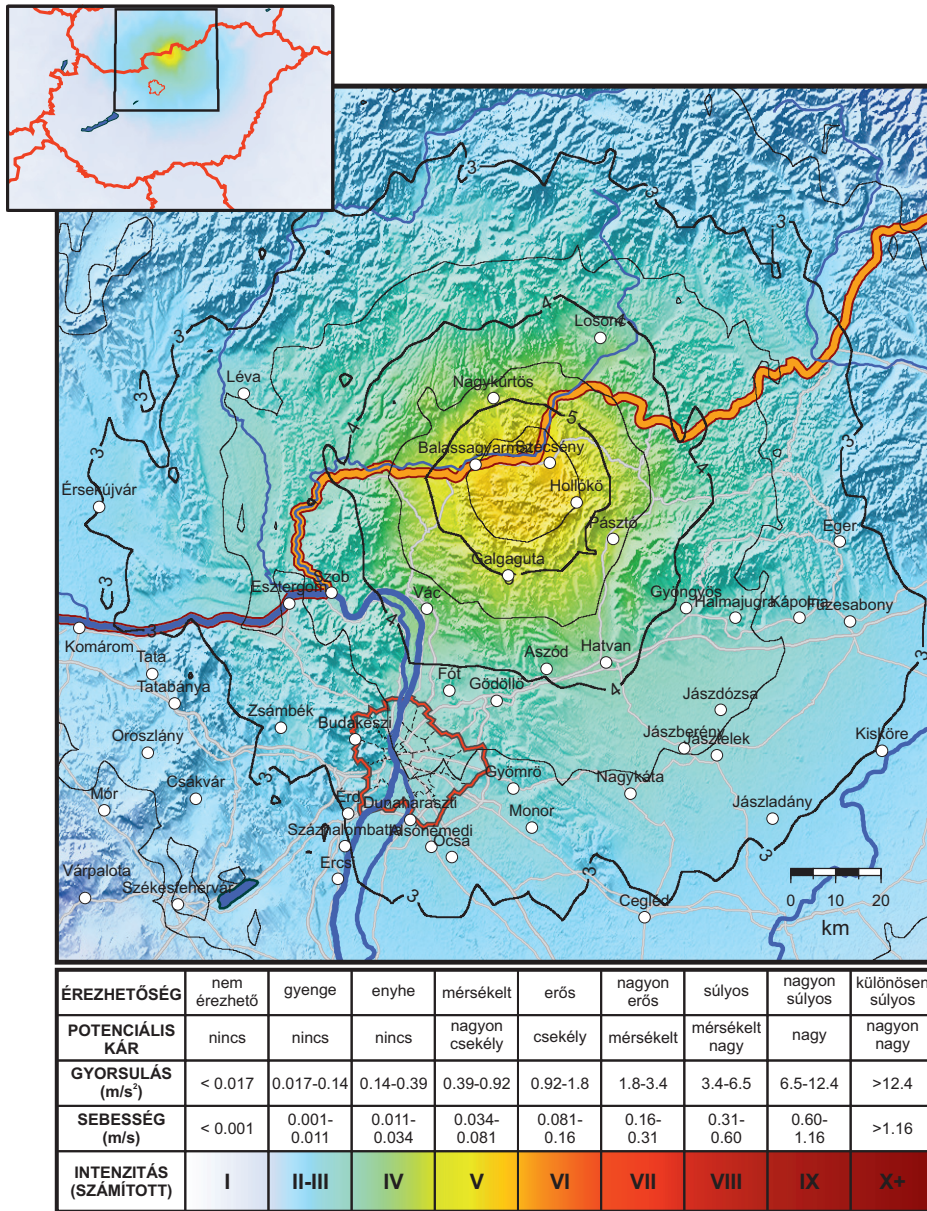
In early morning of January 19th, a 4.2 M_L magnitude earthquake occurred in the surroundings of Iliny – Nógrádmarcfal. Slight building damages (cracks in walls, and damage of chimneys) were reported from the epicentral area mostly at poorer quality older buildings. The maximum intensity was estimated higher than 5 EMS at the epicentral area. The earthquake was felt in a large area. In the next seven months, four of the several aftershocks were reported as felt (19 January, 22 January, 3 February, 3 August).

Calculated intensity distribution of the event is shown in Figure 4.1.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 21739 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 5259 km²

Estimated area of $I \geq 5$ (perceived shaking: moderate) is about 1154 km²



4.1. ábra A 2014. január 19-i, illyi földrengés (01:34 UTC) számított intenzitás eloszlása

Figure 4.1. Instrumental intensity distribution of the Ilyi earthquake 19th January 2014 (01:34 UTC)

2014. január 19. - Iliny / 19 January 2014 - Iliny**FÉSZÉKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/01/19
Kipattanási idő / Origin Time:	01:48:43.39 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.017 N 19.418 E (S.D. 1.4 km)
Mélység / Depth:	4.2 km (S.D. 1.4 km)
Magnitúdó / Magnitude:	3.2 ML
Maximális intenzitás / Maximum Intensity:	4-5 EMS

LEÍRÁS

Január 19-én hajnalban, mintegy tizenöt perccel a nagyobb rengés után újabb, 3.2 ML magnitúdójú földrengést éreztek Iliny – Nógrádmargal térségében. A rengés intenzitása 4-5 EMS fokra becsülhető az epicentrum környezetében. A rengés a január 19-én hajnalban keletkezett 4.2 ML földrengés utórengése volt.

A rengés számított intenzitás eloszlását a 4.2. ábra mutatja.

$I \geq 3$ (gyenge érzhetőség) becsült területe 5829 km²

$I \geq 4$ (enyhe érzhetőség) becsült területe 1535 km²

$I \geq 5$ (mérsékelt érzhetőség) becsült területe 278 km²

DISCUSSION

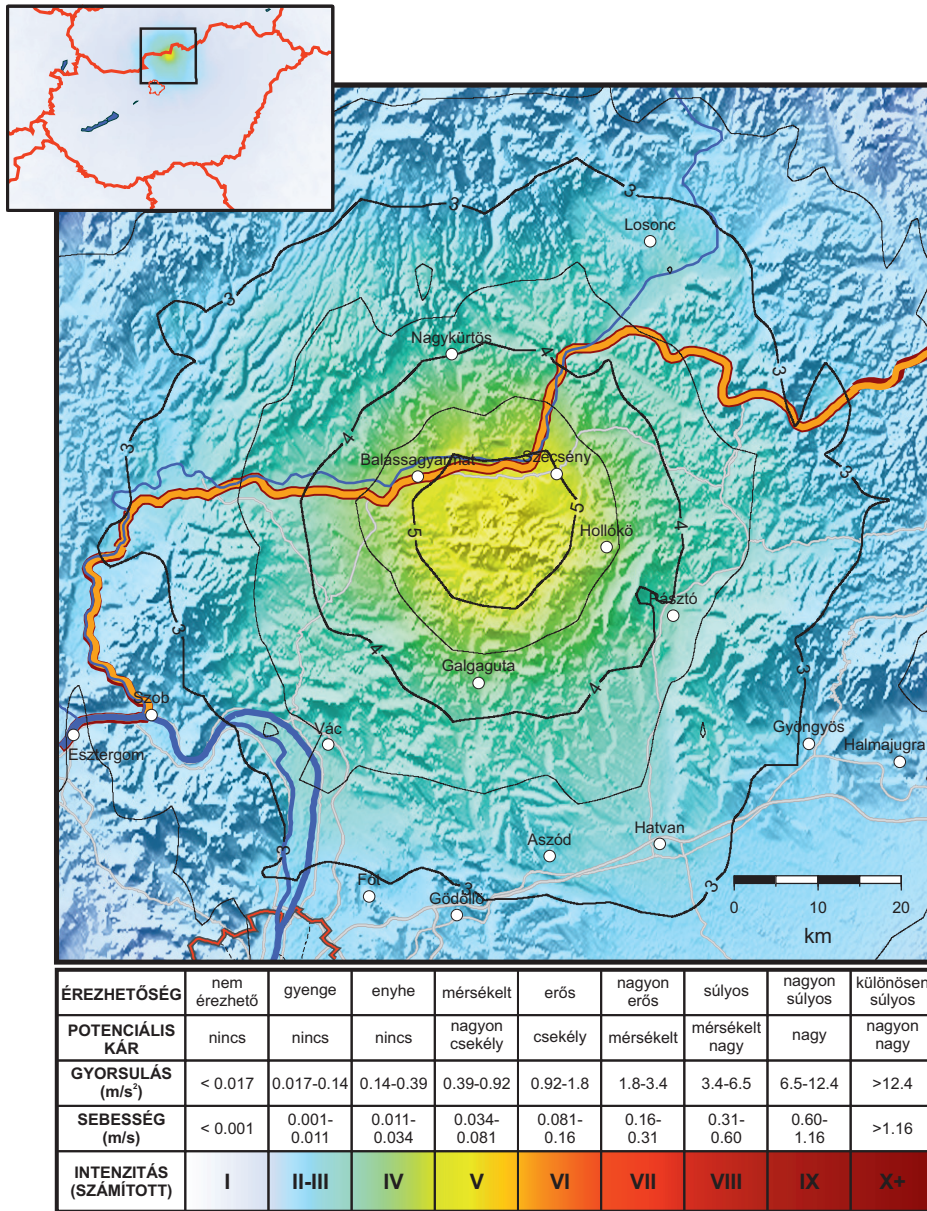
In early morning of January 19th, some fifteen minutes after the larger earthquake, a 3.2 ML magnitude earthquake was felt again at Iliny – Nógrádmargal area. The maximum intensity was estimated approximating 4-5 EMS. The earthquake was an aftershock of the larger, 4.2 ML event in the same night.

Calculated intensity distribution of the event is shown in Figure 4.2.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 5829 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 1535 km²

Estimated area of $I \geq 5$ (perceived shaking: moderate) is about 278 km²



4.2. ábra A 2014. január 19-i, illyi földrengés (01:48 UTC) számított intenzitás eloszlása

Figure 4.2. Instrumental intensity distribution of the Ilyi earthquake 19th January 2014 (01:48 UTC)

2014. január 22. - Iliny / 22 January 2014 - Iliny**FÉSZEKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/01/22
Kipattanási idő / Origin Time:	12:13:43.15 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.011 N 19.399 E (S.D. 2.0 km)
Mélység / Depth:	2.5 km (S.D. 2.2 km)
Magnitúdó / Magnitude:	2.9 M _L
Maximális intenzitás / Maximum Intensity:	4-5 EMS

LEÍRÁS

Január 22-én délben Iliny környékén ismét földrengést éreztek. A rengés a január 19-i földrengés egyik nagyobb utóregése volt. A 2.9 M_L magnitúdójú rengés maximális intenzitása 4-5 EMS volt.

A rengés számított intenzitás eloszlását a 4.3. ábra mutatja.

$I \geq 3$ (gyenge érzhetőség) becsült területe 4020 km²

$I \geq 4$ (enyhe érzhetőség) becsült területe 1057 km²

$I \geq 5$ (mérsékelt érzhetőség) becsült területe 179 km²

DISCUSSION

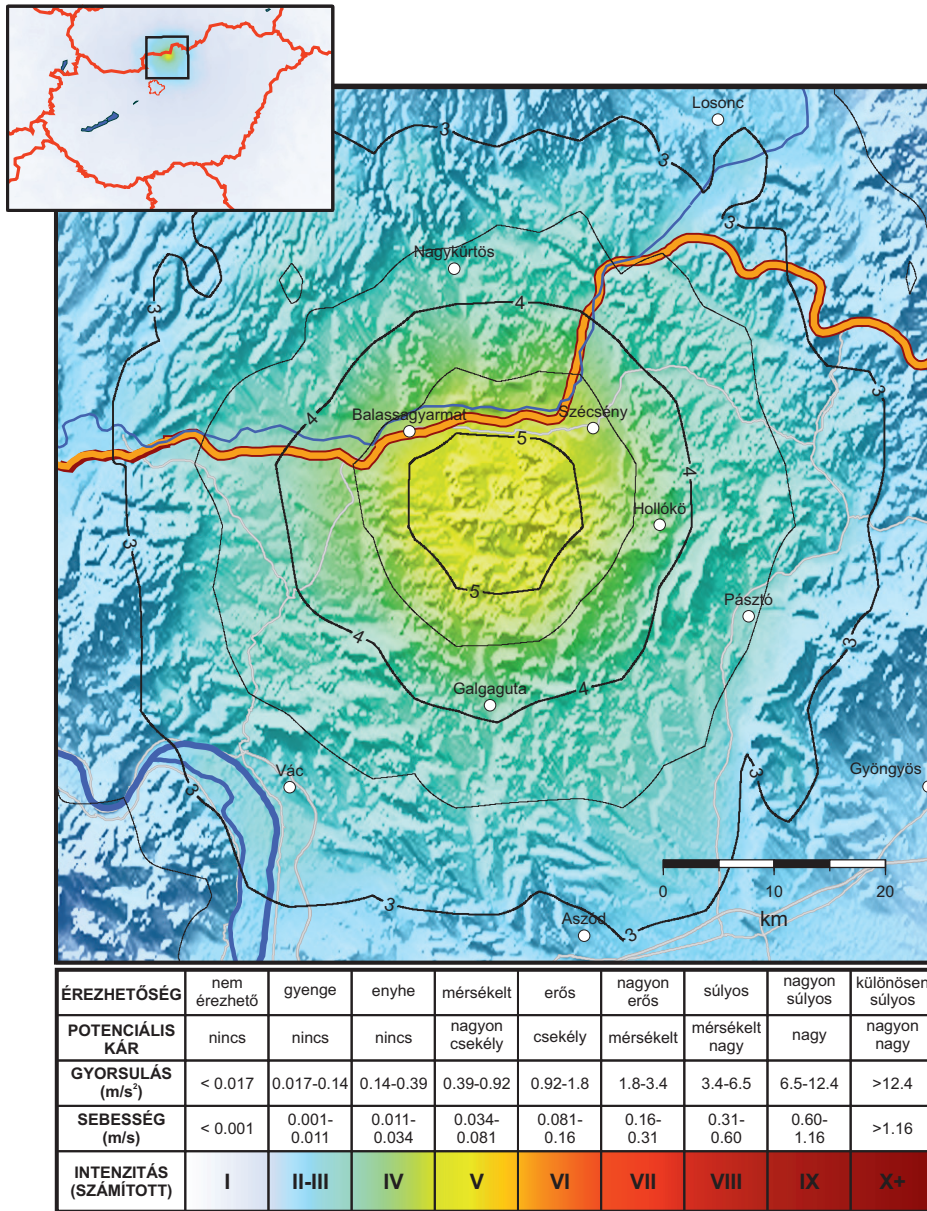
At noon of January 22nd, a 2.9 M_L magnitude event was felt again 4-5 EMS at Iliny and surroundings. The earthquake was one of the larger and felt aftershocks of the January 19th earthquake.

Calculated intensity distribution of the event is shown in Figure 4.3.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 4747 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 1200 km²

Estimated area of $I \geq 5$ (perceived shaking: moderate) is about 56 km²



4.3. ábra A 2014. január 22-i, ilynyi földrengés (12:13 UTC) számított intenzitás eloszlása

Figure 4.3. Instrumental intensity distribution of the Ilyi earthquake 22nd January 2014 (12:13 UTC)

2014. február 3. - Iliny / 3 February 2014 - Iliny**FÉSZKEPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/02/03
Kipattanási idő / Origin Time:	23:57:07.47 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.037 N 19.417 E (S.D. 1.5 km)
Mélység / Depth:	0.1 km (S.D. 1.7 km)
Magnitúdó / Magnitude:	2.0 ML
Maximális intenzitás / Maximum Intensity:	4 EMS

LEÍRÁS

Február 3-án késő este Iliny környékén ismét földrengést éreztek. A rengés a január 19-i földrengés egyik érezhető utórengése volt. A 2.0 ML magnitúdójú rengés maximális intenzitása 4 EMS volt.

A rengés számított intenzitás eloszlását a 4.4. ábra mutatja.

$I \geq 3$ (gyenge érzhetőség) becsült területe 1446 km²

$I \geq 4$ (enyhe érzhetőség) becsült területe 374 km²

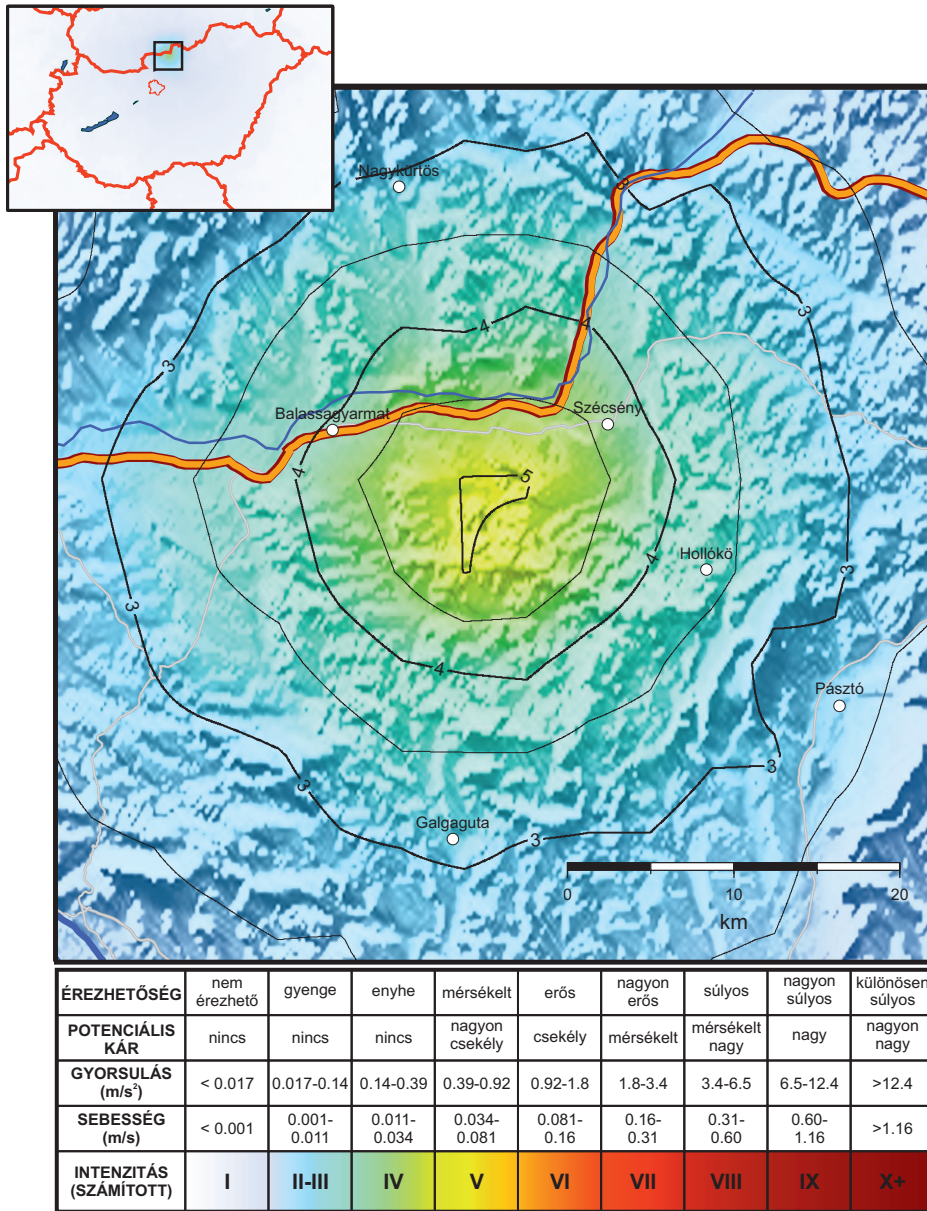
DISCUSSION

In the late evening of February 3rd, a 2.0 ML magnitude event was felt again 4 EMS at Iliny and surroundings. The earthquake was one of the felt aftershocks of the January 19th earthquake.

Calculated intensity distribution of the event is shown in Figure 4.4.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 1446 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 374 km²



4.4. ábra A 2014. február 3-i, ilynyi földrengés (23:57 UTC) számított intenzitás eloszlása

Figure 4.4. Instrumental intensity distribution of the Ilyi earthquake 3rd February 2014 (23:57 UTC)

2014. február 11. - Nagykőrös / 11 February 2014 - Nagykőrös**FÉSZKEPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/02/11
Kipattanási idő / Origin Time:	09:15:27.04 UTC
Szélesség és hosszúság / Latitude and Longitude:	47.048 N 19.704 E (S.D. 1.6 km)
Mélység / Depth:	10.0 km (S.D. 1.4 km)
Magnitúdó / Magnitude:	2.6 ML
Maximális intenzitás / Maximum Intensity:	4 EMS

LEÍRÁS

Február 11-én délelőtt Nagykőrös környékén volt érezhető (4 EMS) egy 2.6 M_L magnitúdójú földrengés. Több földrengés is volt már ezen a területen, legutóbb 2000-ben volt érezhető egy hasonló, 2.6 M_L magnitúdójú rengés, melyet két kisebb utórengés is követett.

A rengés számított intenzitás eloszlását a 4.5. ábra mutatja.

$I \geq 3$ (gyenge érezhetőség) becsült területe 3631 km²

$I \geq 4$ (enyhe érezhetőség) becsült területe 809 km²

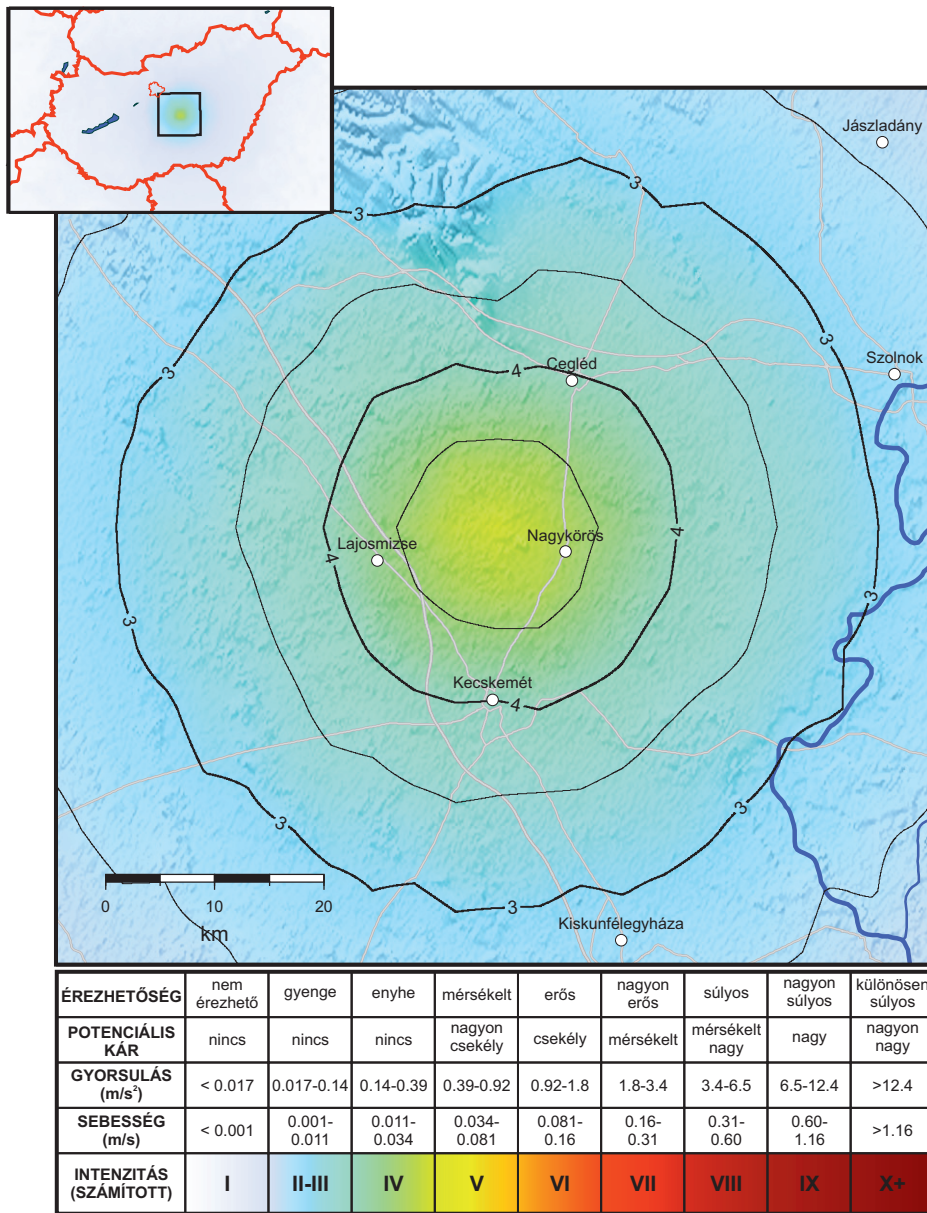
DISCUSSION

In the morning of February 11th, a 2.6 M_L magnitude earthquake was felt (4 EMS) at Nagykőrös area. Several historical and recent earthquakes are known from the same area. Recently in 2000, a similar magnitude 2.6 M_L earthquake followed by two smaller aftershocks was reported.

Calculated intensity distribution of the event is shown in Figure 4.5.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 3631 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 809 km²



4.5. ábra A 2014. február 11-i, nagykörsi földrengés (09:15 UTC) számított intenzitás eloszlása

Figure 4.5. Instrumental intensity distribution of the Nagykörs earthquake 11th February 2014 (09:15 UTC)

2014. február 19. - Érsekvadkert / 19 February 2014 - Érsekvadkert**FÉSZKEPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/02/19
Kipattanási idő / Origin Time:	15:54:24.96 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.007 N 19.233 E (S.D. 1.4 km)
Mélység / Depth:	5.6 km (S.D. 1.4 km)
Magnitúdó / Magnitude:	2.5 ML
Maximális intenzitás / Maximum Intensity:	4-5 EMS

LEÍRÁS

Február 19-én délután, Nógrád megyében, Érsekvadkert környékén éreztek földrengést. A 2.5 ML magnitúdójú rengés a 2013. június 5-i 4.1 ML magnitúdójú rengés utórengése volt. A rengés maximális intenzitása 4-5 EMS.

A rengés számított intenzitás eloszlását a 4.6. ábra mutatja.

$I \geq 3$ (gyenge érzhetőség) becsült területe 2480 km²

$I \geq 4$ (enyhe érzhetőség) becsült területe 580 km²

$I \geq 5$ (mérsékelt érzhetőség) becsült területe 16 km²

DISCUSSION

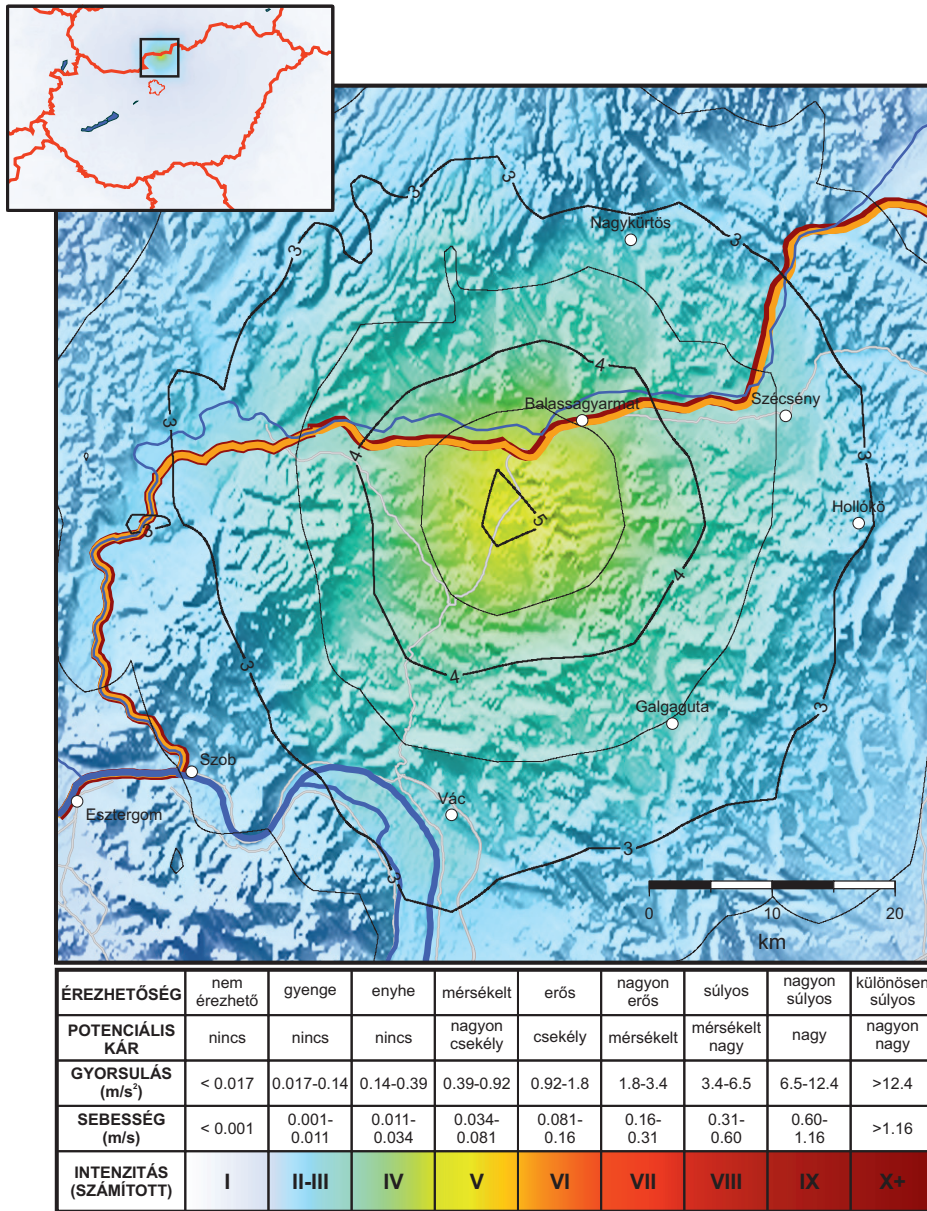
In the afternoon of February 19th, a 2.5 ML magnitude earthquake was felt around Érsekvadkert, Nógrád County. The event was one of the felt aftershocks of the June 5th, 2013 4.1 ML magnitude earthquake. The assigned maximum intensity is about 4-5 EMS.

Calculated intensity distribution of the event is shown in Figure 4.6.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 2480 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 580 km²

Estimated area of $I \geq 5$ (perceived shaking: moderate) is about 16 km²



4.6. ábra A 2014. február 19-i, érsekújvári földrengés (15:54 UTC) számított intenzitás eloszlása

Figure 4.6. Instrumental intensity distribution of the Érsekújvár earthquake 19th February 2014 (15:54 UTC)

2014. május 8. - Bükkszentkereszt / 8 May 2014 - Bükkszentkereszt**FÉSZKEPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/05/08
Kipattanási idő / Origin Time:	06:37:56.15 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.047 N 20.571 E (S.D. 2.1 km)
Mélység / Depth:	4.5 km (S.D. 2.0 km)
Magnitúdó / Magnitude:	2.8 M _L
Maximális intenzitás / Maximum Intensity:	5 EMS

LEÍRÁS

Az év folyamán tíz kis és közepes méretű földrengés volt a Bükk-hegység környékén. Az elsőt május 8-án reggel Bükkszentkeresztben és környékén érezték. A 2.8 M_L magnitúdójú rengés maximális intenzitása 5 EMS körüli volt. 2003-ban 3.1 M_L magnitúdójú rengés volt érezhető (5 EMS) ugyanezen a területen.

A rengés számított intenzitás eloszlását a 4.7. ábra mutatja.

$I \geq 3$ (gyenge érzhetőség) becsült területe 4109 km²

$I \geq 4$ (enyhe érzhetőség) becsült területe 940 km²

$I \geq 5$ (mérsékelt érzhetőség) becsült területe 80 km²

DISCUSSION

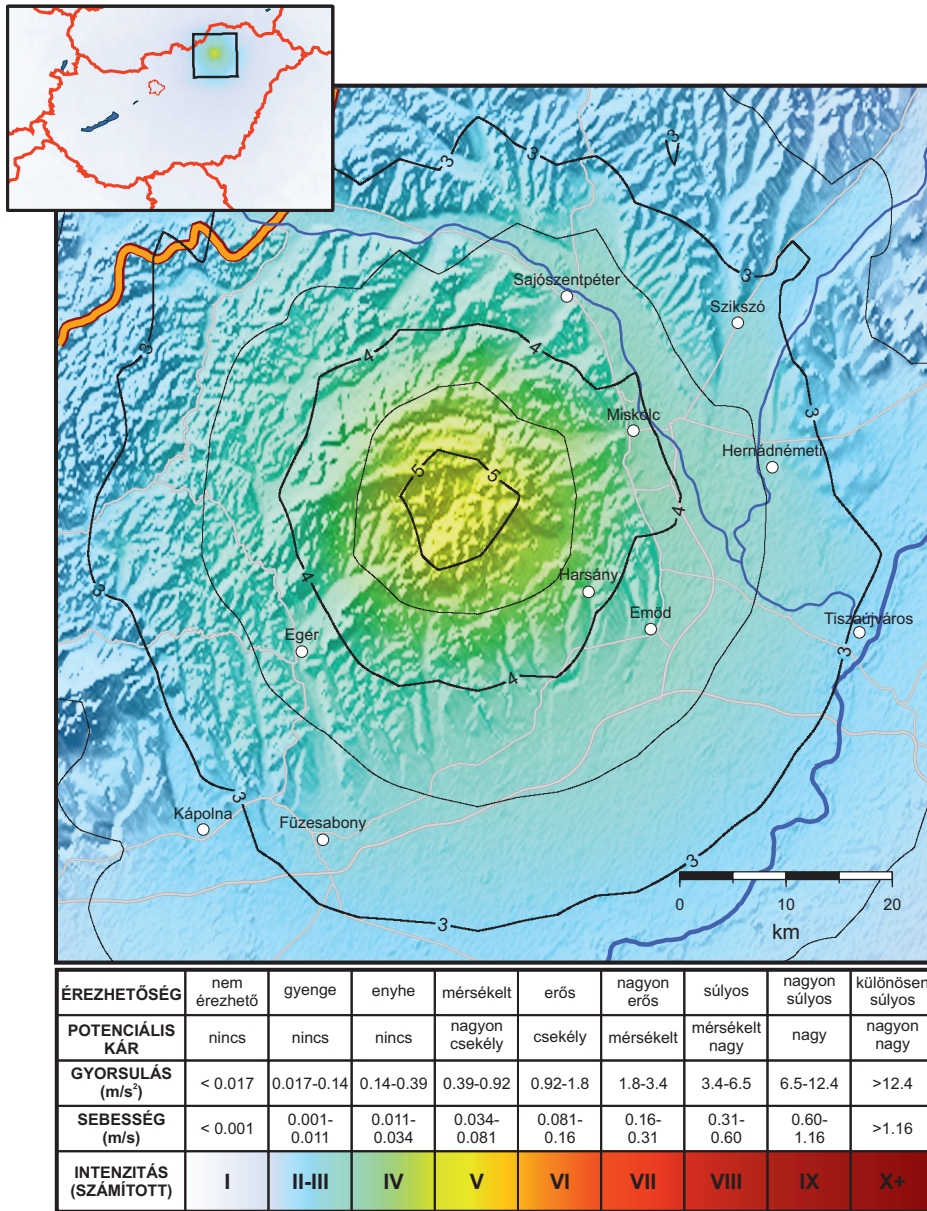
Ten small to medium size earthquakes were located in the Bükk Mountain region during the year. In the morning of May 8th, the first event, a 2.8 M_L magnitude quake was felt 5 EMS in Bükkszentkereszt and surroundings. In 2003, a 3.1 M_L magnitude earthquake was felt 5 EMS in the same area.

Calculated intensity distribution of the event is shown in Figure 4.7.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 4109 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 940 km²

Estimated area of $I \geq 5$ (perceived shaking: moderate) is about 80 km²



4.7. ábra A 2014. május 8-i, bükk-szentkereszt-i földrengés (06:37 UTC) számított intenzitás eloszlása

Figure 4.7. Instrumental intensity distribution of the Bükk-szentkereszt earthquake 8th May 2014 (06:37 UTC)

2014. június 4. - Bükkszentkereszt / 4 June 2014 - Bükkszentkereszt**FÉSZÉKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/06/04
Kipattanási idő / Origin Time:	17:56:29.00 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.040 N 20.573 E (S.D. 2.5 km)
Mélység / Depth:	7.1 km (S.D. 2.5 km)
Magnitúdó / Magnitude:	3.0 ML
Maximális intenzitás / Maximum Intensity:	5 EMS

LEÍRÁS

Az év folyamán tíz kis és közepes méretű földrengés volt a Bükk-hegység környékén. A legnagyobb, második érezhető rengés június 4-én este Bükkszentkereszt környékén keletkezett. A 3.0 M_L magnitúdójú rengés maximális intenzitása 5 EMS volt. 2003-ban 3.1 M_L magnitúdójú rengés volt érezhető (5 EMS) ugyanezen a területen.

A rengés számított intenzitás eloszlását a 4.8. ábra mutatja.

$I \geq 3$ (gyenge érezhetőség) becsült területe 5236 km²

$I \geq 4$ (enyhe érezhetőség) becsült területe 1203 km²

$I \geq 5$ (mérsékelt érezhetőség) becsült területe 61 km²

DISCUSSION

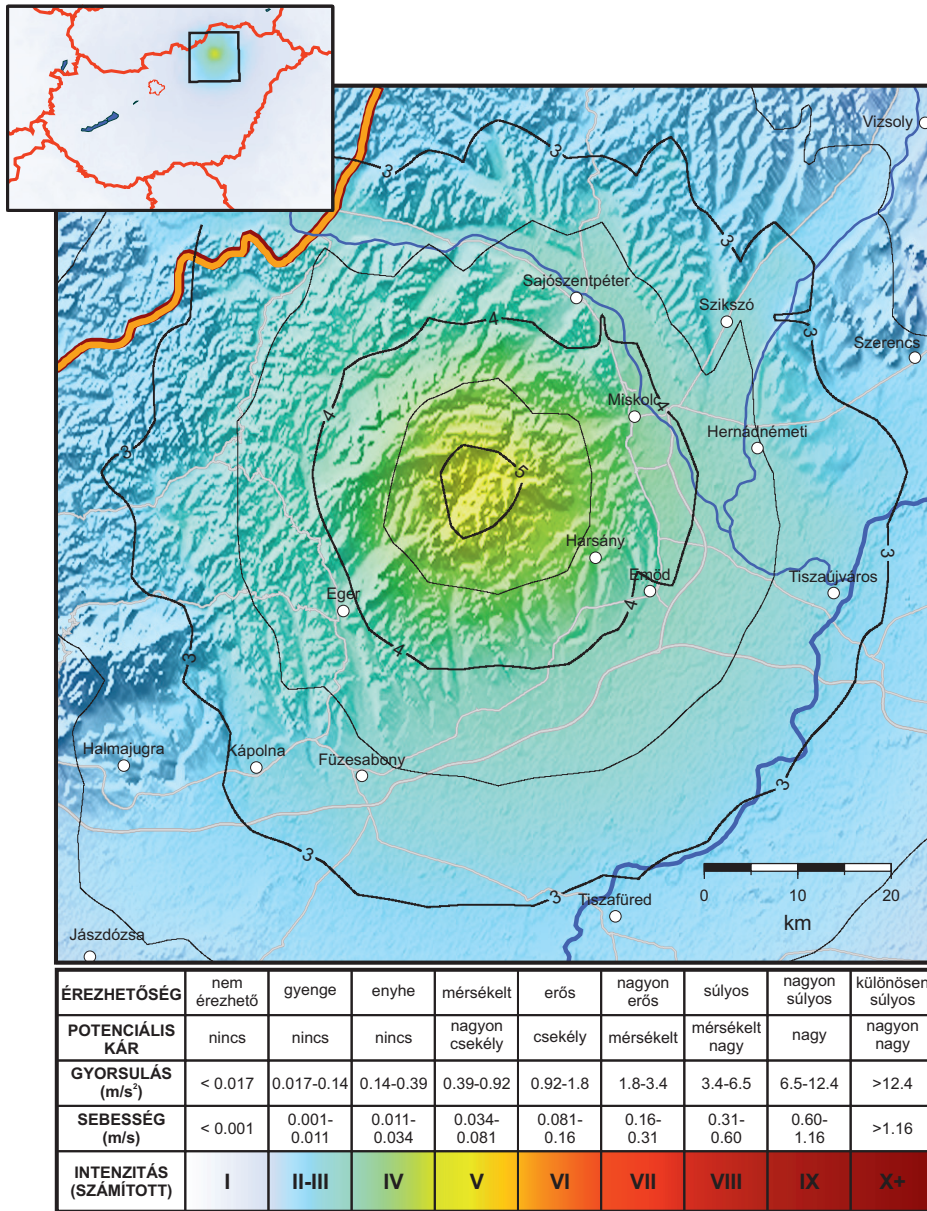
Ten small to medium size earthquakes were located in the Bükk Mountain region during the year. The second felt, the largest magnitude event burst in the afternoon of June 4th. The 3.0 M_L magnitude quake was felt 5 EMS in Bükkszentkereszt and surroundings. In 2003, a 3.1 M_L magnitude earthquake was felt 5 EMS in the same area.

Calculated intensity distribution of the event is shown in Figure 4.8.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 5236 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 1203 km²

Estimated area of $I \geq 5$ (perceived shaking: moderate) is about 61 km²



4.8. ábra A 2014. június 4-i, bükk-szentkereszti földrengés (17:56 UTC) számított intenzitás eloszlása

Figure 4.8. Instrumental intensity distribution of the Bükk-szentkereszt earthquake 4th June 2014 (17:56 UTC)

2014. június 5. - Bükkszentkereszt / 5 June 2014 - Bükkszentkereszt**FÉSZEKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/06/05
Kipattanási idő / Origin Time:	01:44:20.26 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.070 N 20.573 E (S.D. 2.0 km)
Mélység / Depth:	7.1 km (S.D. 1.9 km)
Magnitúdó / Magnitude:	2.6 M _L
Maximális intenzitás / Maximum Intensity:	4-5 EMS

LEÍRÁS

Az év folyamán tíz kis és közepes méretű földrengés volt a Bükk-hegység környékén. A harmadik érezhető június 5-én éjjel Bükkszentkeresztről és környékéről jelentették. A 2.6 M_L magnitúdójú rengés maximális intenzitása 4-5 EMS körüli volt. 2003-ban 3.1 M_L magnitúdójú rengés volt érezhető (5 EMS) ugyanezen a területen.

A rengés számított intenzitás eloszlását a 4.9. ábra mutatja.

$I \geq 3$ (gyenge érzhetőség) becsült területe 3270 km²

$I \geq 4$ (enyhe érzhetőség) becsült területe 705 km²

$I \geq 5$ (enyhe érzhetőség) becsült területe 46 km²

DISCUSSION

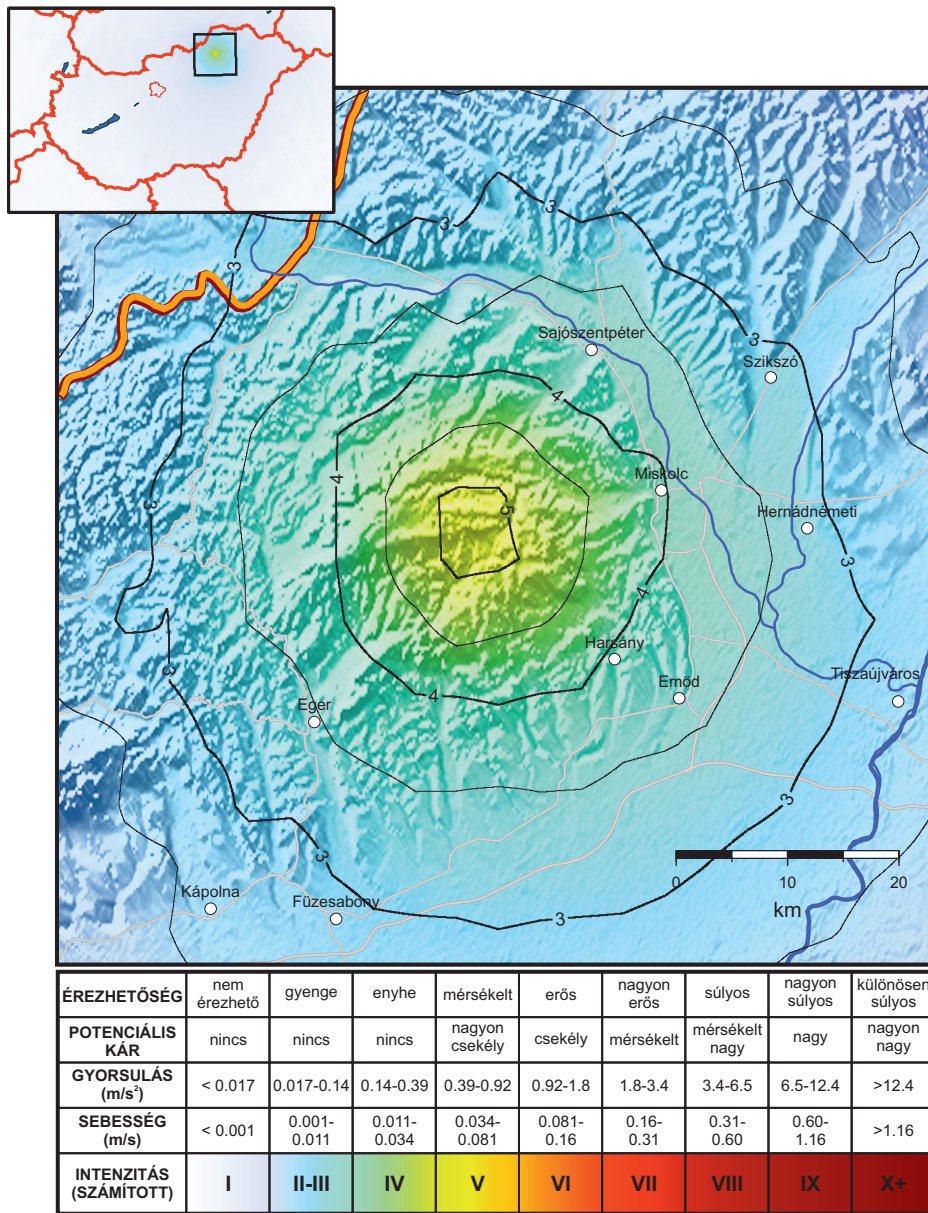
Ten small to medium size earthquakes were located in the Bükk Mountain region during the year. The third felt event was reported from Bükkszentkereszt and surroundings in the night of June 5th. The 2.6 M_L magnitude quake was felt 4-5 EMS. In 2003, a 3.1 M_L magnitude earthquake was felt 5 EMS in the same area.

Calculated intensity distribution of the event is shown in Figure 4.9.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 3270 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 705 km²

Estimated area of $I \geq 5$ (perceived shaking: light) is about 46 km²



4.9. ábra A 2014. június 5-i, bükk-szentkereszti földrengés (01:44 UTC) számított intenzitás eloszlása

Figure 4.9. Instrumental intensity distribution of the Bükk-szentkereszt earthquake 5th June 2014 (01:44 UTC)

2014. augusztus 3. - Iliny / 3 August 2014 - Iliny**FÉSZÉKPARAMÉTEREK / HYPOCENTER PARAMETERS**

Dátum / Date:	2014/08/03
Kipattanási idő / Origin Time:	01:48:06.45 UTC
Szélesség és hosszúság / Latitude and Longitude:	48.033 N 19.397 E (S.D. 1.1 km)
Mélység / Depth:	1.7 km (S.D. 1.2 km)
Magnitúdó / Magnitude:	3.0 ML
Maximális intenzitás / Maximum Intensity:	5 EMS

LEÍRÁS

Augusztus 3-án éjjel Iliny környékén érezték ismét földrengést. A rengés a január 19-i földrengés egyik érezhető utórengése volt. A 3.0 ML magnitúdójú rengés maximális intenzitása 5 EMS volt.

A rengés számított intenzitás eloszlását a 4.10. ábra mutatja.

$I \geq 3$ (gyenge érezhetőség) becsült területe 4537 km²

$I \geq 4$ (enyhe érezhetőség) becsült területe 1170 km²

$I \geq 5$ (mérsékelt érezhetőség) becsült területe 230 km²

DISCUSSION

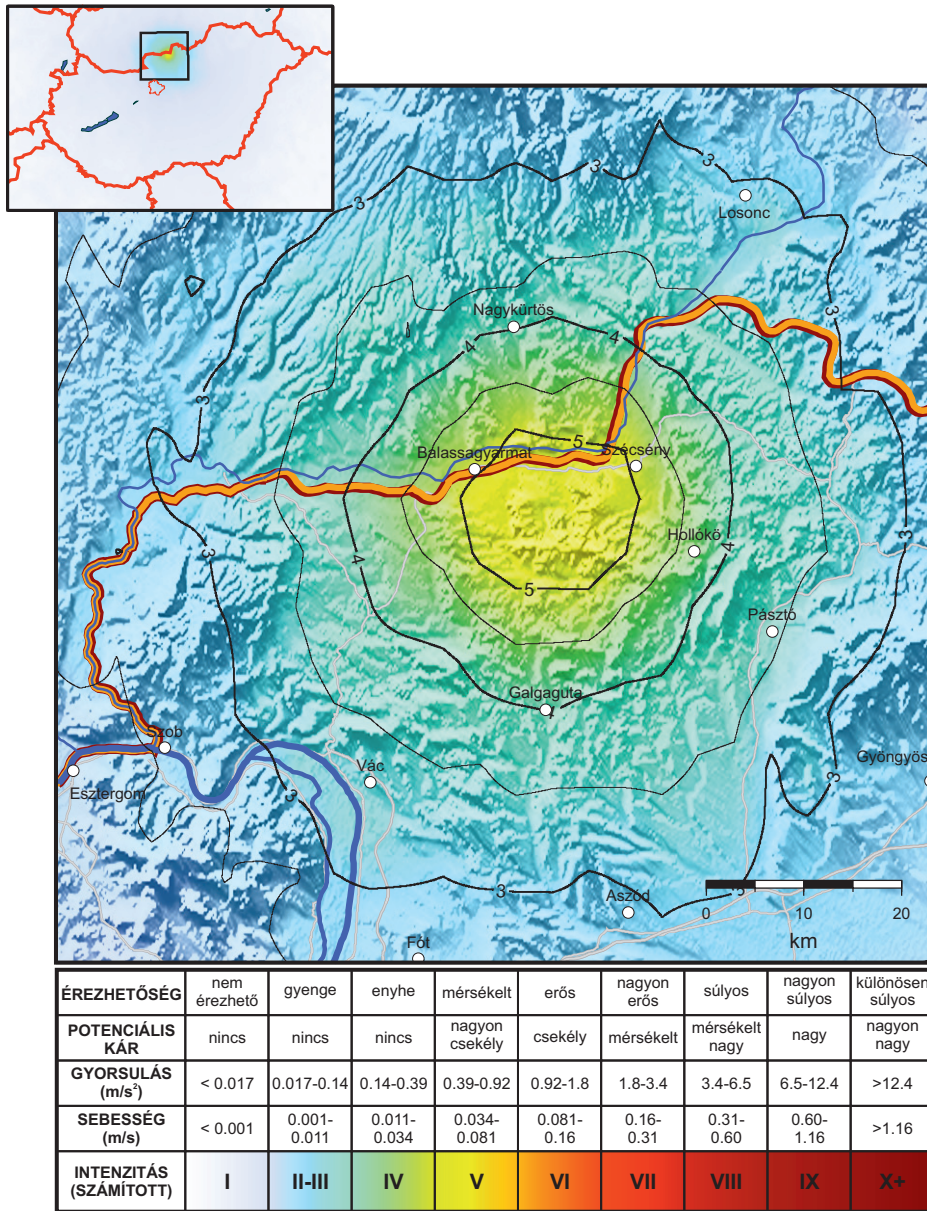
In the early morning of August 3rd, a 3.0 ML magnitude event was felt 5 EMS at Iliny and surroundings. The earthquake was one of the felt aftershocks of the January 19th earthquake.

Calculated intensity distribution of the event is shown in Figure 4.10.

Estimated area of $I \geq 3$ (perceived shaking: weak) is about 4537 km²

Estimated area of $I \geq 4$ (perceived shaking: light) is about 1170 km²

Estimated area of $I \geq 5$ (perceived shaking: moderate) is about 230 km²



4.10. ábra A 2014. augusztus 3-i, ilinyi földrengés (01:48 UTC) számított intenzitás eloszlása

Figure 4.10. Instrumental intensity distribution of the Iliny earthquake 3rd August 2014 (01:48 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 összekoccannak. 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 károkat 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 ☞ **Károkat 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 károkat 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 rombadől.

10 ☞ **Nagyon pusztító**

Sok hagyományos épület összedől.

11 ☞ **Elsőpró**

A legtöbb épület összedől.

12 ☞ **Teljesen elsőpró**

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.

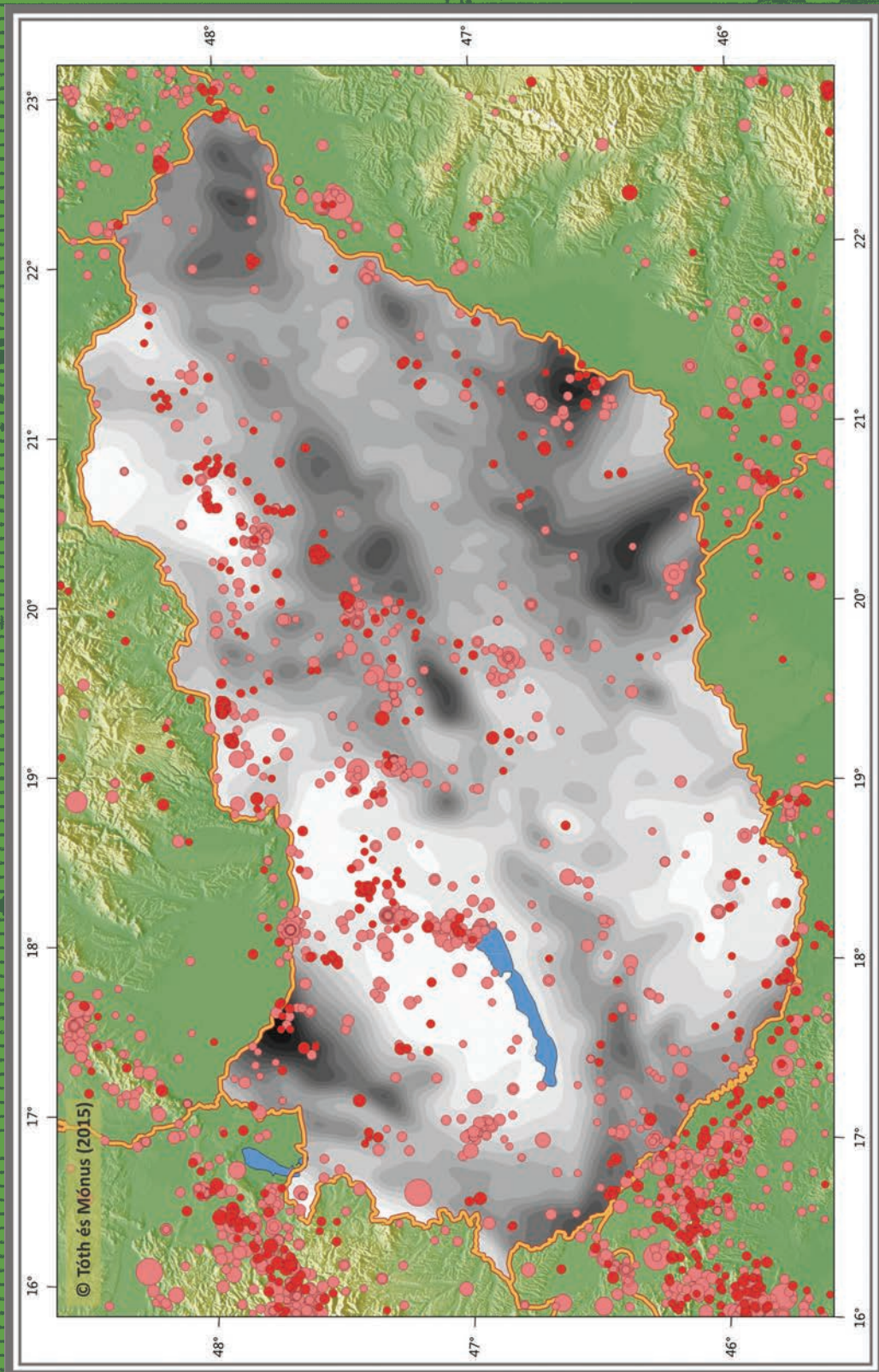
(For details see Grünthal, 1998)

JEGYZETEK / NOTES

JEGYZETEK / NOTES

M ≥ 2 földrengések Magyarországon

M ≥ 2 Earthquakes in Hungary



456 - 1994



2 3 4 5 6 7

1995 - 2014



2 3 4 5 6 7

Pre-tercier Basement [km]



0 -1 -2 -3 -4 -5 -6 -7 -8