

Kövesligethy Radó Szeizmológiai Obszervatórium

MAGYAR  
NEMZETI  
SZEIZMOLÓGIAI  
BULLETIN

2012

MTA CSFK GGI - BUDAPEST



# Magyar Nemzeti Szeizmológiai Bulletin

## 2012

*Szerzők:*

Gráczer Zoltán (szerk.)

Czifra Tibor

Győri Erzsébet

Kiszely Márta

Mónus Péter

Süle Bálint

Szanyi Gyöngyvér

Tóth László

Varga Péter

Wesztergom Viktor

Wéber Zoltán

Zsíros Tibor

MTA CSFK GGI  
Kövesligethy Radó Szeizmológiai Obszervatórium  
Budapest  
2013

Hivatkozás:

Gráczer, Z. (szerk.), Czifra, T., Győri, E., Kiszely, M., Mónus, P., Süle, B., Szanyi, Gy., Tóth, L., Varga, P., Wesztergom, V., Weber, Z., Zsíros, T., 2013. Magyar Nemzeti Szeizmológiai Bulletin 2012, Kövesligethy Radó Szeizmológiai Obszervatórium, MTA CSFK GGI, Budapest, 260pp.

Felelős kiadó: Dr. Wesztergom Viktor

ISSN 2063-854X

# Tartalomjegyzék

1. Helyi földrengések	9
2. Fészekmechanizmusok	35
3. Makroszeizmikus adatok	36
4. Regionális és teleszeizmikus földrengések	40
5. Hivatkozások	258



# Előszó

2012-ben a Magyar Nemzeti Szeizmológiai Hálózat két új szélessávú állomással bővült. Az egyik állomást az Alföld keleti részén telepítettük, a másik pedig a Közép-Dunántúlon, az MTA CSFK GGI és a Magyar Geológiai és Geofizikai Intézet közötti együttműködés keretében kezdte meg működését. Ezzel a Hálózat állomásainak száma elérte a kilencet.

A 2012-es év során 51 helyi földrengést azonosítottak az MTA CSFK GGI Kövesligethy Radó Szeizmológiai Observatórium munkatársai a Magyar Nemzeti Szeizmológiai Hálózat adatai alapján. Ezek közül hármat a lakosság is érzékelt. Két földrengés esetében állt elegendő adat rendelkezésre a fészekmechanizmus meghatározásához.

A Magyar Nemzeti Szeizmológiai Bulletin első fejezete a 2012-ben Magyarországon és közvetlen környezetében kipattant földrengések fészekparamétereit és fázisadatait közli. Az események forrását (földrengés vagy robbantás) a regisztrátumok jellegzetességeinek felhasználásával határoztuk meg. A második fejezet azon földrengések fészekmechanizmusadatait tartalmazza, amelyek esetében megfelelő számú adat gyűlt össze a számítások megbízható elvégzéséhez. A harmadik fejezetben az érezhető magyarországi földrengések makroszeizmikus adatai szerepelnek. A negyedik fejezet a Magyar Nemzeti Szeizmológiai Hálózat állomásain regisztrált, regionális, teleszeizmikus és ismeretlen fészekparaméterű földrengések fázis és polaritás adatait közli.





# 1. fejezet

## Helyi földrengések

### Adatforrások

A 2012-es év végén az Obszervatórium által üzemeltetett Magyar Nemzeti Szeizmológiai Hálózatot 8 széles sávú (BEHE, BUD, LTVH, MORH, PSZ, SOP, TIH, TRPA) és egy rövid periódusú állomás (CSKK) alkotta.

Az év során az Obszervatórium munkatársai két új állomást telepítettek. Az egyik (LTVH) az Alföld keleti részén, Létavértes városában kezdte meg működését, a másik (TIH) pedig az MTA CSFK GGI és a Magyar Geológiai és Geofizikai Intézettel közöti együttműködés keretében került telepítésre a Tihanyi-félszigeten.

Az 1.1. táblázat Magyar Nemzeti Szeizmológiai Hálózat állomásainak jellemzőit tartalmazza. Az állomások elhelyezkedését az 1.1. ábra mutatja.

Az állomásokról származó adatokat az Obszervatórium adatközpontjában a SeisComp3 szoftvercsomag ([www.seiscomp3.org](http://www.seiscomp3.org)) segítségével archiváltuk és dolgoztuk fel.

Azon nem magyarországi állomások paraméterei, amelyek adatait felhasználtuk a számítások során, az üzemeltető szervezetek (Zentralanstalt für Meteorologie und Geodynamik, Ausztria; Geofyzikální ústav Akademie věd České republiky, Csehország; Urad za seizmologijo in geologijo - Agencija Republike Slovenije za okolje, Szlovénia; Geofyzikálny ústav - Slovenská akadémia vied, Szlovákia; Institutul National pentru Fizica Pamantului, Románia) megfelelő publikációiban található meg.

### Földrengés helymeghatározás

A magyarországi szeizmológiai állomások esetében a hullámfázisok kijelölését az Obszervatórium munkatársai végezték, míg a határon túliak esetén a partner szervezetek havi fázisadat jelentéseit használtuk fel.

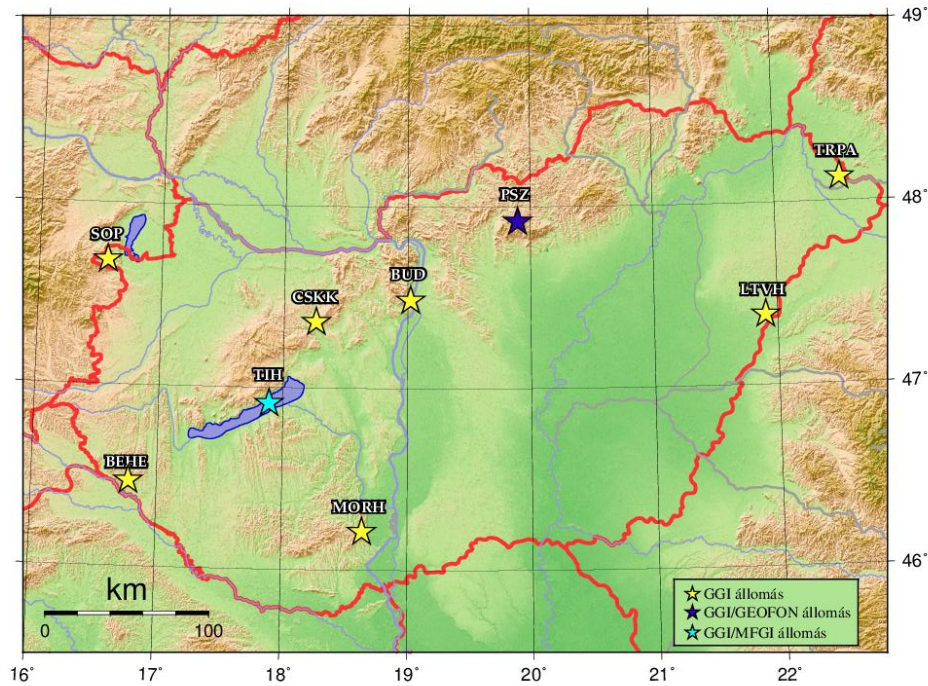
A 2012-es évre vonatkozóan 51 földrengést és robbantást azonosítottunk a 45.5-49.0°É szélességi és a 16.0-23.0°K hosszúsági körök által határolt területen belül (1.2. táblázat és 1.2. ábra). A fázisok kijelölése és a magnitúdó meghatározása a Seismic Handler (Stammler, 1993) szoftvercsomag felhasználásával történt. A hipocentrumok lokalizációjához a HYPO71PC számítógépes programot (Lee and Lahr, 1975) használtuk.

A lokalizációhoz szükséges menetidő számítások Mónus (1995) háromrétegű sebességmodelljén alapultak:

Mélységtartomány (km)	P hullám sebesség (km/s)	S hullám sebesség (km/s)
0-20	5.60	3.15
20-31	6.57	3.69
31-	8.02	4.51

A fészekparamétereket és a fázisadatokat a Seisan szoftver (Havskov and Ottemoller, 1999) bulletin formátumán alapuló alakban tesszük közzé. A listában szereplő rövidítések és angol kifejezések magyarázata a következő:

Hour:	UTC-ben (óra, perc, másodperc) kifejezett kipattanási idő
Lat:	az epicentrum földrajzi szélessége
Lon:	az epicentrum földrajzi hosszúsága
Depth:	fészekmélység kilométerben kifejezve
Magnitude:	Richter-féle magnitúdó
Rms:	a menetidő reziduálok átlagnégyzetes értéke
Gap:	az állomások közötti legnagyobb azimutális hézag fokokban kifejezve
Erh:	az epicentrum standard hibája. Ha Erh=–, akkor Erh az elégtelen adatmennyiség miatt nem volt számítható.
Erz:	a fészekmélység standard hibája. Ha Erz=–, akkor a fészekmélység rögzített volt, vagy a hiba az elégtelen adatmennyiség miatt nem volt számítható.
STAT:	állomás kód
CO:	komponens, S: rövid periódusú, L: hosszú periódusú, B: széles sávú
DIST:	epicentrális távolság
AZI:	a forrás és állomás közötti azimut
PHASE:	fázis
P:	polaritás (C – kompresszió, D – dilatáció )
HR:	óra
MN:	perc
SECON:	másodperc
TRES:	reziduál (másodpercben)
CODA:	a jel időtartama másodpercben kifejezve
AMPL:	a talajmozgás amplitúdója nm-ben, a PERI periódusnál
PERI:	az amplitúdóméréshez tartozó periódus
BAZ:	azimut az állomástól az eseményig mérve
ARES:	a BAZ-hoz tartozó reziduál
VELO:	a látszólagos fázissebesség (km/sec)
WT:	az adott fázis lokalizációnál felhasznált súlyozása



1.1. ábra. A Magyar Nemzeti Szeizmológiai Hálózat állomásai 2012-ben

1.1. táblázat. A Magyar Nemzeti Szeizmológiai Hálózat állomásainak jellemzői

Állomás	$\phi$ ( $^{\circ}$ N)	$\lambda$ ( $^{\circ}$ E)	Magasság (m)	Érzékelő <sup>a</sup>	Adatgyűjtő <sup>b</sup>	Szerv. <sup>c</sup>	Időszak <sup>d</sup>
BEHE Becsehely	46.4706	16.7757	289	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
BUD Budapest	47.4836	19.0239	169	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
CSKK Csókakő	47.3631	18.2605	319	SS-1	K2 SeisComp PC	GGI	01.01-12.31
LTVH Létavértes	47.3849	21.9007	121	CMG-3T	CMG-DM24S3	GGI	05.30-12.31
MORH Mórág	46.2149	18.6435	135	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
PSZ Piszkéstető	47.9184	19.8944	940	STS-2	PS-6-24 SeisComp PC	GEOFON GGI	01.01-12.31
SOP Sopron	47.6833	16.5583	260	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
TIH Tihany	46.9001	17.8878	189	CMG-3T	CMG-DM24S3	GGI MFGI	11.09-12.31
TRPA Tarpa	48.1304	22.5391	113	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31

<sup>a</sup> CMG-3T – Guralp CMG-3T szeizmométer

SS-1 – Kinometrics SS-1 rövid periódusú szeizmométer

STS-2 – Streckeisen széles sávú szeizmométer

<sup>b</sup> Adatgyűjtő egységek (az adatgyűjtés minden állomáson digitálisan történik és folyamatos idejű):

CMG-DM24S3 – Guralp CMG-DM24S3EAM adatgyűjtő rendszer

K2 – Kinometrics K2 adatgyűjtő rendszer

PS-6-24 – Earth Data digitalizáló

SeisComp - GEOFON Seismological Communication Processor

<sup>c</sup> Működtető szervezet:

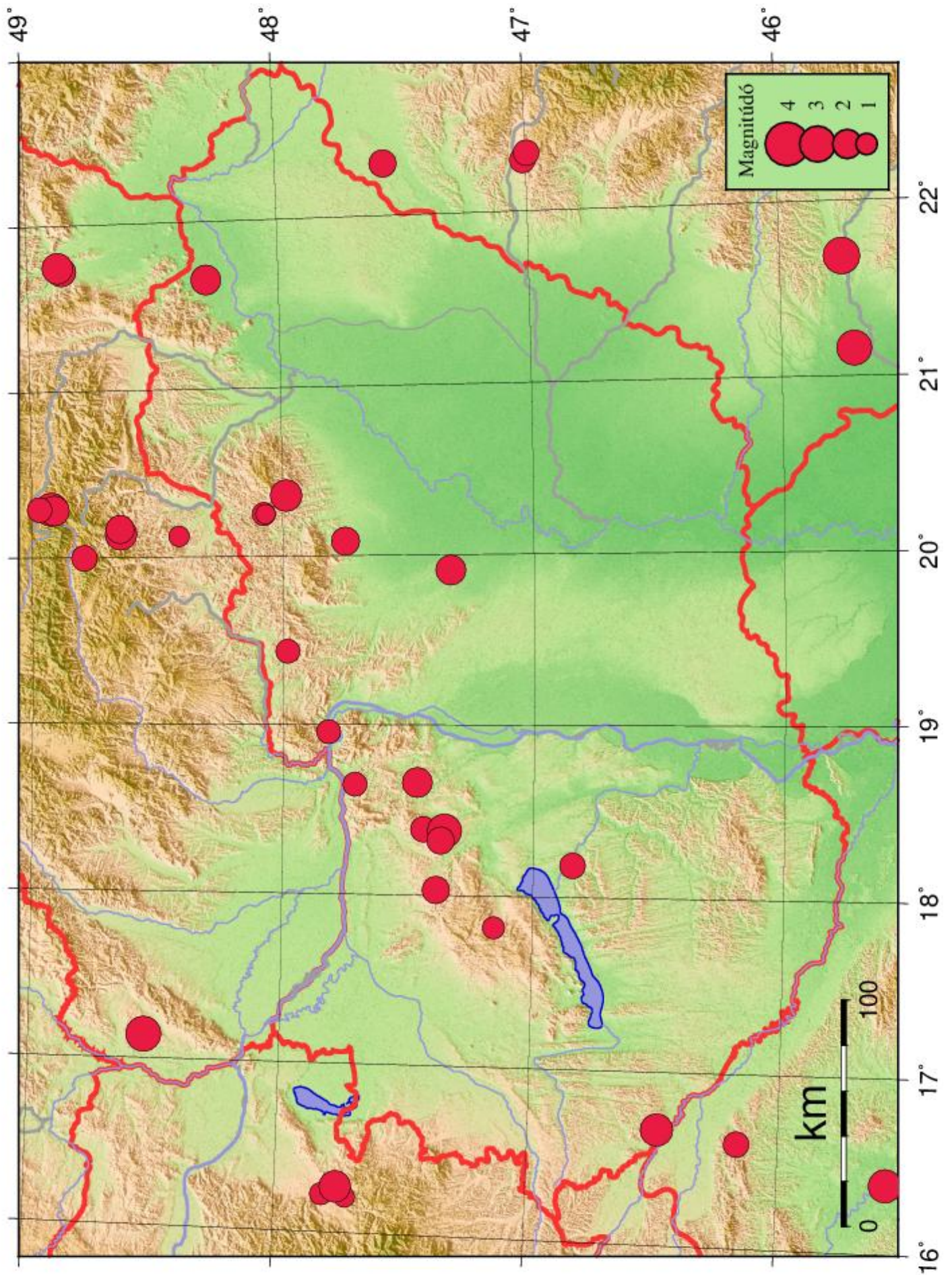
GEOFON - GEOFON Global Seismic Network, GFZ, Németország

GGI – Geodéziai és Geofizikai Intézet, MTA CSFK, Magyarország

MFGI - Magyar Geológiai és Geofizikai Intézet, Magyarország

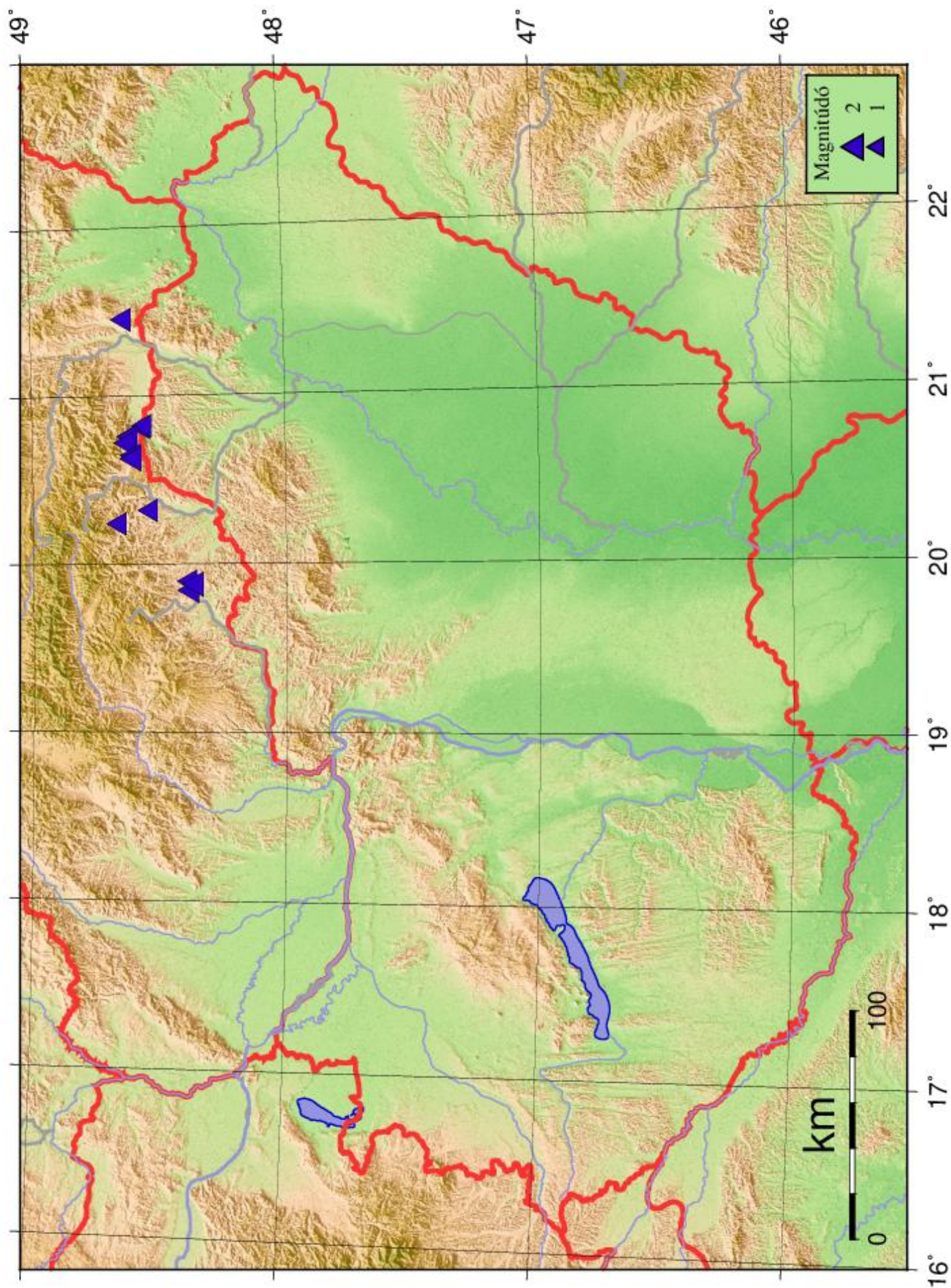
<sup>d</sup> Elérhetőségi időszak 2012-ben





1.2. ábra. A 2012-es év azonosított földrengéseinek epicentrumai





1.3. ábra. A 2012-es év azonosított robbantásainak epicentrumai

1.2. táblázat: A Magyar Nemzeti Szeizmológiai Hálózat által detektált földrengések paraméterei

	Dátum	Idő	$\phi$ (°N)	$\lambda$ (°E)	Mélység (km)	Magnitúdó	Hely
1.	2012.01.05	01:28:37.7	47.568	22.307	0.6	1.8	Románia
2.	2012.01.07	05:43:24.8	45.711	21.158	8.9	2.8	Románia
3.	2012.01.09	19:56:24.9	45.753	21.683	10.0	3.1	Románia
4.	2012.01.24	10:40:50.4	45.565	16.394	10.0	2.6	Horvátország
5.	2012.02.01	09:42:23.7	47.332	19.909	10.0	2.1	Tápiógyörgye
6.	2012.02.01	10:00:50.2	48.374	19.840	0.0	1.9	Szlovákia
7.	2012.02.11	12:29:14.9	48.646	20.139	2.7	2.4	Szlovákia
8.	2012.02.15	11:44:41.0	47.713	18.648	0.1	1.3	Tokod
9.	2012.03.05	22:56:58.5	48.539	17.141	7.2	2.9	Szlovákia
10.	2012.03.11	18:32:46.3	48.414	20.121	10.0	0.9	Szlovákia
11.	2012.03.13	03:26:18.8	47.440	18.386	10.0	1.5	Várgesztes
12.	2012.03.20	01:21:22.8	47.985	20.359	6.9	2.4	Szarvaskő
13.	2012.03.23	15:40:43.5	48.649	20.166	7.3	1.9	Szlovákia
14.	2012.03.28	03:08:01.1	47.153	17.816	15.3	1.1	Márkó
15.	2012.04.06	09:05:17.3	47.356	18.379	10.0	2.7	Gánt
16.	2012.04.06	09:38:44.8	47.371	18.323	10.0	1.8	Csákberény
17.	2012.04.18	10:33:59.6	48.287	21.650	5.4	2.2	Vajdácaska
18.	2012.04.23	11:55:35.0	48.628	21.454	0.0	1.7	Szlovákia
19.	2012.04.27	21:26:09.2	47.717	16.209	10.0	0.8	Ausztria
20.	2012.04.30	03:04:43.7	48.863	21.723	2.7	2.0	Szlovákia
21.	2012.04.30	09:38:24.9	47.011	22.294	5.1	1.6	Románia
22.	2012.05.02	17:21:06.2	48.878	21.746	0.5	2.3	Szlovákia
23.	2012.05.18	12:20:31.8	48.534	20.317	0.0	1.6	Szlovákia
24.	2012.05.20	23:24:19.6	47.387	18.032	7.5	1.8	Súr
25.	2012.05.30	23:59:04.8	46.164	16.601	8.1	1.5	Horvátország
26.	2012.05.31	03:42:16.6	46.843	18.185	8.1	1.5	Ádánd
27.	2012.05.31	21:35:42.3	48.922	20.290	0.1	2.6	Szlovákia
28.	2012.06.01	03:47:40.6	48.911	20.283	0.9	2.1	Szlovákia
29.	2012.06.14	08:13:46.8	48.075	20.250	8.0	1.2	Bekölce
30.	2012.06.14	20:02:33.3	47.819	18.959	10.0	1.3	Kismaros
31.	2012.06.18	08:11:54.8	48.558	20.807	0.0	1.4	Tornanádaska
32.	2012.06.21	20:32:02.9	48.792	19.995	14.9	1.6	Szlovákia
33.	2012.06.30	09:57:50.0	48.659	20.240	0.0	1.5	Szlovákia
34.	2012.07.01	01:46:32.1	48.968	20.288	10.0	1.4	Szlovákia
35.	2012.07.16	09:36:17.0	47.984	19.435	10.0	1.3	Cserhátsurány
36.	2012.07.17	15:12:38.3	48.068	20.249	10.0	0.7	Egercsehi
37.	2012.08.06	08:13:04.9	48.555	20.821	0.0	1.6	Hidvégdó
38.	2012.08.12	05:40:30.5	47.811	16.225	2.0	1.1	Ausztria
39.	2012.08.17	08:54:09.6	46.995	22.337	9.4	1.6	Románia
40.	2012.08.20	10:20:15.1	48.607	20.763	0.0	1.2	Szlovákia
41.	2012.08.22	07:51:23.3	48.615	20.758	0.0	1.4	Szlovákia
42.	2012.08.29	10:29:30.1	48.627	20.720	0.0	1.6	Szlovákia
43.	2012.09.25	07:06:42.5	48.381	19.894	0.0	1.5	Szlovákia
44.	2012.09.27	17:05:21.8	47.465	18.661	13.7	2.1	Bicske
45.	2012.10.16	12:10:58.5	48.357	19.877	0.0	1.9	Szlovákia
46.	2012.10.29	08:34:53.4	47.752	20.084	10.0	1.9	Detk
47.	2012.11.13	09:44:02.4	48.599	20.645	0.0	1.7	Szlovákia
48.	2012.11.15	03:17:33.0	47.755	16.271	7.0	2.4	Ausztria
49.	2012.12.19	10:56:47.4	48.598	20.626	0.0	1.9	Szlovákia
50.	2012.12.25	17:01:35.5	46.483	16.669	14.7	2.5	Szentmargitfalva
51.	2012.12.28	04:14:33.5	47.559	16.506	0.5	1.1	Ausztria

**January 05 2012**      **Hour: 01:28:37.7**      **Lat: 47.568°N**      **Lon: 22.307°E**      **Depth: 0.6 km**  
**Magnitude: 1.8ML**      **Rms: 0.51 s**      **Gap: 103°**      **Erh: 2.5 km**      **Erz: 3.0 km**  
**Locality: Románia**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BMR		90	83	I Pg	D	128	53.30	-0.46							
DRGR		91	160	I Pg		128	53.80	-0.21							
CJR		136	134	I Pn	D	129	01.90	0.27							
SIRR		152	199	I Pn		129	03.70	0.04							
CRVS		161	337	E Pn		129	04.50	-0.21							
CRVS		161	337	E Sn		129	26.00	0.19							
ARCR		163	109	I Pn		129	05.40	0.37							
KECS		169	307	E Pn		129	07.90	2.12							
KECS		169	307	E Sn		129	27.80	0.08							
PSZ		185	282	I Pn	D	129	07.10	-0.60							
BURB		218	89	I Pn		129	11.80	-0.11							
STHS		220	339	E Pn		129	12.60	0.54							
STHS		220	339	E Sn		129	43.00	4.10							
BZS		223	194	I Pn	D	129	12.40	-0.06							
VYHS		278	292	E Sn		129	59.00	7.12							
DOPR		295	127	I Pn		129	21.30	-0.11							
VOIR		316	138	I Pn	D	129	25.10	0.97							

**January 07 2012**      **Hour: 05:43:24.8**      **Lat: 45.711°N**      **Lon: 21.158°E**      **Depth: 8.9 km**  
**Magnitude: 2.8ML**      **Rms: 0.50 s**      **Gap: 127°**      **Erh: 3.3 km**      **Erz: 1.5 km**  
**Locality: Románia**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIM		5	60	I Pg	D	543	26.70	0.03							
BANR		36	183	I Pg		543	31.80	0.29							
BZS		37	106	I Pg		543	31.40	-0.23							
SIRR		73	32	I Pg		543	37.70	-0.22							
MDVR		112	157	I Pn	D	543	43.70	-0.97							
DEV		137	82	I Pn	D	543	47.70	-0.07							
DRGR		169	45	I Pn	D	543	52.20	0.37							
LOT		205	98	I Pn	D	543	57.50	1.14							
CJR		218	59	I Pn	D	543	58.40	0.43							
PSZ		263	339	E Pn	C	544	04.00	0.44							
PSZ		263	339	E Sn		544	32.70	-1.10							
ARR		274	98	I Pn	D	544	06.50	1.63							
CSKK		288	310	E Pn	C	544	09.30	2.66							
CSKK		288	310	E Sn		544	39.30	0.02							
ARCR		289	58	I Pn		544	08.20	1.43							
VOIR		305	96	I Pn		544	10.20	1.45							
KECS		312	351	E Pn		544	11.10	1.47							
DOPR		329	85	I Pn	D	544	13.50	1.68							
CRVS		355	4	E Pn		544	16.00	0.99							
CRVS		355	4	E Sn		544	39.90	-14.29							
VYHS		356	330	E Pn		544	16.10	1.02							
MLR		374	94	I Pn		544	16.70	-0.66							
BURB		375	56	I Pn	D	544	19.40	1.85							
STHS		412	1	E Pn		544	24.50	2.44							
PLOR		427	88	I Pn	D	544	24.80	0.82							
VRI		433	88	I Pn		544	26.10	1.37							
ARSA		465	292	Pn		544	28.90	0.19							
ARSA		465	292	Sn		545	15.70	-2.86							

CONA	473	301	Pn	544	31.50	1.79
CONA	473	301	Sn	545	17.50	-2.85
MORC	527	329	I Pn D	544	37.40	0.99
VRAC	527	319	I Pn	544	36.90	0.45
MOA	577	294	Pn	544	44.10	1.40
MOA	577	294	Sn	545	43.00	-0.47
DPC	629	325	E Pn	544	50.20	1.03
DPC	629	325	E Sn	545	52.60	-2.38
KHC	686	304	E Pn	544	56.40	0.07
KHC	686	304	E Sn	546	03.10	-4.62

**January 09 2012**      **Hour: 19:56:24.9**      **Lat: 45.753°N**      **Lon: 21.683°E**      **Depth: 10.0 km**

**Magnitude: 3.1ML**      **Rms: 0.51 s**      **Gap: 61°**      **Erh: 2.1 km**      **Erz: 1.9 km**

**Locality: Románia**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BZS		16	199	I Pg		1956	28.50	0.26							
TIM		36	267	I Pg		1956	31.80	0.26							
SIRR		57	358	I Pg		1956	35.00	-0.24							
BANR		59	226	I Pg		1956	35.60	-0.01							
DEV		96	81	I Pg		1956	41.40	-0.70							
MDVR		108	179	I Pn		1956	43.30	-0.79							
DRGR		140	34	I Pn		1956	48.10	0.01							
LOT		166	102	I Pn		1956	52.10	0.74							
CJR		182	54	I Pn	D	1956	54.10	0.75							
ARCR		253	54	I Pn		1957	02.60	0.41							
BMR		254	33	I Pn		1957	02.60	0.24							
VOIR		265	98	I Pn	D	1957	05.20	1.53							
TRPA		272	14	E Pn	D	1957	04.00	-0.57							
PSZ		276	330	E Pn	D	1957	04.50	-0.63							
PSZ		276	330	E Sn		1957	32.30	-4.23							
BUD		280	313	E Pn		1957	05.00	-0.56							
BUD		280	313	E Sn		1957	35.30	-2.00							
DOPR		288	85	I Pn		1957	08.50	1.87							
HUMR		292	118	I Pn		1957	08.60	1.45							
KECS		316	343	E Pn		1957	10.50	0.37							
KECS		316	343	E Sn		1957	40.70	-4.74							
CSKK		317	304	E Pn		1957	10.00	-0.24							
CSKK		317	304	E Sn		1957	43.20	-2.42							
MLR		333	95	I Pn		1957	14.30	2.07							
BURB		340	53	I Pn	D	1957	14.70	1.62							
CRVS		350	357	E Pn		1957	14.70	0.37							
CRVS		350	357	E Sn		1958	05.70	12.79							
VTs		371	161	I Pn		1957	17.70	0.71							
VYHS		373	325	E Pn		1957	16.90	-0.30							
VYHS		373	325	E Sn		1957	56.50	-1.52							
SULR		378	108	I Pn		1957	19.70	1.88							
PLOR		386	88	I Pn		1957	20.60	1.81							
BEHE		387	282	E Pn		1957	18.20	-0.76							
BEHE		387	282	E Sn		1957	58.10	-3.06							
VRI		392	88	I Pn		1957	20.60	1.05							
STHS		408	355	E Pn		1957	22.80	1.22							
SMOL		445	314	E Sn		1958	09.00	-4.97							
SOP		446	299	E Pn		1957	28.00	1.67							
SOP		446	299	E Sn		1958	09.40	-4.86							



CFR	508	97	I Pn	D	1957	35.80	1.74
OKC	525	330	E Pn		1957	37.00	0.82
OKC	525	330	E Sn		1958	31.30	-0.51
KRLC	604	323	E Pn		1957	47.40	1.42
KRLC	604	323	E Sn		1958	48.70	-0.54
TREC	610	310	E Pn		1957	46.80	0.04
TREC	610	310	E Sn		1958	46.40	-4.23
DPC	648	322	E Pn		1957	53.00	1.47
DPC	648	322	E Sn		1958	58.20	-0.93
KHC	717	302	E Pn		1958	01.70	1.61
KHC	717	302	E Sn		1959	08.40	-5.96

**January 24 2012** Hour: 10:40:50.4 Lat: 45.565°N Lon: 16.394°E Depth: 10.0 km  
**Magnitude: 2.6ML** Rms: 0.31 s Gap: 249° Erh: 2.7 km Erz: 3.7 km  
**Locality: Horvátország** Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GCIS		68	299	I Pg	C	1041	03.10	0.30							
GCIS		68	299	E Sg		1041	12.60	0.16							
CRES		78	292	I Pg		1041	04.70	0.12							
BOJS		89	266	I Pg		1041	05.90	-0.61							
LEGS		94	297	I Pg		1041	07.30	-0.02							
LEGS		94	297	I Sg		1041	20.40	-0.09							
KOGS		98	354	I Pg		1041	08.40	0.22							
KOGS		98	354	E Sg		1041	21.20	-0.81							
BEHE		104	16	E P*		1041	09.40	0.20							
BEHE		104	16	E S*		1041	23.40	-0.44							

**February 01 2012** Hour: 09:42:23.7 Lat: 47.332°N Lon: 19.909°E Depth: 10.0 km  
**Magnitude: 2.1ML** Rms: 0.24 s Gap: 253° Erh: 2.0 km Erz: 1.2 km  
**Locality: Tápiógyörgye** Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		65	359	E Pg	D	942	35.40	-0.05							
PSZ		65	359	E Sg		942	45.00	0.36							
BUD		68	284	E Sg		942	45.80	0.00							
CSKK		124	272	E Pn		942	45.10	0.13							
CSKK		124	272	E Sn		942	59.20	-2.38							
KECS		135	19	E Pn		942	46.60	0.33							
KECS		135	19	E Sn		943	03.50	-0.39							
VYHS		152	328	E Pn		942	48.00	-0.39							
VYHS		152	328	E Sn		943	07.50	-0.17							

**February 01 2012** Hour: 10:00:50.2 Lat: 48.374°N Lon: 19.840°E Depth: 0.0 km  
**Magnitude: 1.9ML** Rms: 0.53 s Gap: 105° Erh: 2.1 km Erz: 3.3 km  
**Locality: Szlovákia** Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		49	76	E Pg		1000	59.40	0.36							
KECS		49	76	E Sg		1001	05.50	-0.40							
PSZ		50	175	E Pg		1000	59.40	0.10							
PSZ		50	175	E Sg		1001	06.30	-0.08							
VYHS		75	280	E Pg		1001	03.90	0.18							
VYHS		75	280	E Sg		1001	13.40	-0.84							
LANS		90	342	E Sg		1001	19.10	0.06							
CRVS		133	64	E Sn		1001	30.80	-1.51							
STHS		155	42	E Sn		1001	38.00	0.83							

**February 11 2012**    **Hour: 12:29:14.9**    **Lat: 48.646°N**    **Lon: 20.139°E**    **Depth: 2.7 km**  
**Magnitude: 2.4ML**    **Rms: 0.70 s**    **Gap: 85°**    **Erh: 2.4 km**    **Erz: 3.4 km**  
**Locality: Szlovákia**    **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		31	125	E Pg		1229	19.80	-0.69							
KECS		31	125	E Sg		1229	25.50	0.63							
LANS		74	319	E Pg		1229	28.50	0.28							
LANS		74	319	E Sg		1229	37.50	-1.13							
PSZ		82	193	E Pg	D	1229	29.80	0.12							
PSZ		82	193	E Sg		1229	41.50	0.27							
VYHS		97	260	E Pg		1229	32.40	0.08							
STHS		117	43	E Pg		1229	35.80	-0.12							
STHS		117	43	E Sg		1229	52.00	-0.34							
SRO		164	236	E Sn		1230	01.90	-1.32							
OKC		196	312	E Pn		1229	47.70	1.64							
OKC		196	312	E Sn		1230	12.40	2.01							
CSKK		200	225	E Pn		1229	46.60	0.11							
CSKK		200	225	E Sn		1230	15.50	4.35							
CONA		327	256	Pn		1230	03.10	0.74							
CONA		327	256	Sn		1230	41.30	1.90							

**February 15 2012**    **Hour: 11:44:41.0**    **Lat: 47.713°N**    **Lon: 18.648°E**    **Depth: 0.1 km**  
**Magnitude: 1.3ML**    **Rms: 0.63 s**    **Gap: 208°**    **Erh: 5.7 km**    **Erz: — km**  
**Locality: Tokod**    **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO2		19	286	E Pg		1144	43.70	-0.87							
SRO		27	294	E Pg		1144	46.20	0.27							
SRO		27	294	E Sg		1144	49.90	0.15							
CSKK		48	217	E Pg		1144	50.60	0.88							
CSKK		48	217	E Sg		1144	55.70	-0.79							
VYHS		87	9	E Sg		1145	08.90	-0.08							

**March 05 2012**    **Hour: 22:56:58.5**    **Lat: 48.539°N**    **Lon: 17.141°E**    **Depth: 7.2 km**  
**Magnitude: 2.9ML**    **Rms: 1.15 s**    **Gap: 41°**    **Erh: 2.2 km**    **Erz: 1.9 km**  
**Locality: Szlovákia**    **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MODS		21	151	E Pg		2257	02.70	0.26							
MODS		21	151	E Sg		2257	06.40	0.88							
SMOL		21	97	E Pg		2257	02.40	-0.12							
SMOL		21	97	E Sg		2257	06.30	0.63							
ZST		38	184	E Pg		2257	04.40	-1.02							
ZST		38	184	E Sg		2257	09.70	-1.14							
VRAC		94	335	I Pg	D	2257	14.50	-0.90							
SOP		104	205	E Pg		2257	16.40	-0.79							
SOP		104	205	E Sg		2257	32.30	0.51							
CONA		116	234	Pn		2257	18.30	-0.84							
CONA		116	234	Sn		2257	33.80	-1.46							
SRO		118	133	E Pn		2257	19.30	-0.11							
SRO		118	133	E Sn		2257	33.10	-2.63							
VYHS		125	92	E Pn		2257	19.50	-0.72							
VYHS		125	92	E Sn		2257	35.10	-2.09							
SRO2		127	133	E Pn		2257	19.60	-0.84							
SRO2		127	133	E Sn		2257	35.20	-2.36							
MORC		140	12	I Pn		2257	22.10	-0.05							
CSKK		155	147	E Pn		2257	25.30	1.36							

1. fejezet: Helyi földrengések

CSKK	155	147	E	Sn	2257	45.30	1.49
OKC	162	27	E	Pn	2257	24.90	0.11
OKC	162	27	E	Sn	2257	44.20	-1.12
BUD	183	130	E	Pn	2257	29.20	1.78
BUD	183	130	E	Sn	2257	58.60	8.61
LANS	183	68	E	Pn	2257	28.30	0.78
ARSA	187	220		Pn	2257	29.80	1.83
ARSA	187	220		Sn	2257	52.70	1.73
DPC	210	344	E	Pn	2257	30.30	-0.48
DPC	210	344	E	Sn	2257	58.00	2.02
PSZ	215	109	E	Pn	2257	33.50	1.98
MOA	227	250		Pn	2257	33.20	0.30
MOA	227	250		Sn	2257	59.70	-0.06
GOPC	229	312	E	Pn	2257	33.20	-0.04
GOPC	229	312	E	Sn	2258	03.40	3.04
BEHE	231	187	E	Pn	2257	34.50	1.02
BEHE	231	187	E	Sn	2258	02.40	1.63
UPC	233	340	E	Pn	2257	33.90	0.17
UPC	233	340	E	Sn	2258	04.10	2.87
KOGS	241	196	I	Pn	2257	35.20	0.44
KECS	247	91	E	Pn	2257	35.10	-0.32
PRU	248	310	E	Pn	2257	35.30	-0.28
PRU	248	310	E	Sn	2258	08.50	3.97
PERS	260	216	E	Pn	2257	38.60	1.50
KHC	269	284	E	Pn	2257	38.30	0.08
KHC	269	284	E	Sn	2258	15.10	5.88
PVCC	289	320	E	Sn	2258	21.60	8.06
OBKA	298	221		Pn	2257	42.70	0.90
OBKA	298	221		Sn	2258	26.10	10.52
STHS	315	72	E	Pn	2257	45.10	1.13
KBA	327	240		Pn	2257	47.00	1.58
KBA	327	240		Sn	2258	22.40	0.36
NKC	389	299	E	Pn	2257	53.10	-0.04
NKC	389	299	E	Sn	2258	48.50	12.72
ABTA	400	240		Sn	2258	54.70	16.39
BLY	417	180	I	Pn	2257	57.60	1.02
DRGR	461	115	I	Pn	2258	02.80	0.69
BZS	470	134	I	Pn D	2258	03.70	0.48
RETA	490	256		Sn	2259	20.60	22.47
FETA	509	251		Sn	2259	24.10	21.70
MDVR	544	140	I	Pn D	2258	13.40	0.86
DAVA	560	256		Pn	2258	14.60	0.14
DAVA	560	256		Sn	2259	14.00	0.28
ARCR	563	107	I	Pn	2258	16.50	1.60
BURB	610	100	I	Pn D	2258	21.40	0.68

March 11 2012      Hour: 18:32:46.3      Lat: 48.414°N      Lon: 20.121°E      Depth: 10.0 km  
 Magnitude: 0.9ML      Rms: 0.00 s      Gap: 227°      Erh: — km      Erz: — km  
 Locality: Szlovákia      Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		57	197	I	Pg	1832	56.70	0.00							
LANS		95	330	E	Pg	1833	03.30	-0.01							
VYHS		95	275	E	Pg	1833	03.40	0.00							

**March 13 2012**      **Hour: 03:26:18.8**      **Lat: 47.440°N**      **Lon: 18.386°E**      **Depth: 10.0 km**  
**Magnitude: 1.5ML**      **Rms: 0.39 s**      **Gap: 88°**      **Erh: 1.5 km**      **Erz: 1.0 km**  
**Locality: Várgesztes**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		12	228	E Pg	D	326	21.70	-0.02							
CSKK		12	228	E Sg		326	24.10	0.12							
SRO		41	352	E Pg		326	26.80	0.28							
SRO		41	352	E Sg		326	32.10	-0.42							
BUD		48	84	E Pg		326	28.20	0.56							
BUD		48	84	E Sg		326	34.00	-0.51							
VYHS		121	16	E Pn		326	39.60	-0.19							
VYHS		121	16	E Sn		326	53.10	-3.04							
PSZ		125	65	E Pn	D	326	40.10	-0.09							
PSZ		125	65	E Sn		326	57.20	0.35							
MORH		137	172	E Pn	C	326	42.00	0.27							
MORH		137	172	E Sn		326	58.10	-1.49							
SOP		140	281	E Sn		327	00.10	-0.09							

**March 20 2012**      **Hour: 01:21:22.8**      **Lat: 47.985°N**      **Lon: 20.359°E**      **Depth: 6.9 km**  
**Magnitude: 2.4ML**      **Rms: 0.83 s**      **Gap: 54°**      **Erh: 2.4 km**      **Erz: 2.2 km**  
**Locality: Szarvaskő**      **Comments: 3-4 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		35	258	E Pg	D	121	29.00	-0.24							
PSZ		35	258	E Sg		121	34.60	0.32							
KECS		56	10	E Pg		121	32.60	-0.29							
KECS		56	10	E Sg		121	40.10	-0.68							
BUD		114	241	E Pn		121	42.50	-0.73							
BUD		114	241	E Sn		121	58.70	-0.48							
VYHS		126	297	E Pn		121	44.20	-0.51							
VYHS		126	297	E Sn		121	59.50	-2.32							
CRVS		130	39	E Pn		121	45.30	0.08							
CRVS		130	39	E Sn		122	01.90	-0.82							
LANS		145	333	E Pn		121	47.60	0.54							
LANS		145	333	E Sn		122	04.80	-1.20							
SRO		154	263	E Pn	C	121	49.10	0.94							
SRO		154	263	E Sn		122	09.50	1.54							
TRPA		163	84	E Pn	C	121	50.00	0.70							
TRPA		163	84	E Sn		122	10.90	0.92							
STHS		172	22	E Pn		121	51.80	1.41							
STHS		172	22	E Sn		122	13.90	1.98							
CSKK		172	246	E Pn	C	121	50.90	0.50							
CSKK		172	246	E Sn		122	13.90	1.96							
SIRR		214	153	I Pn	D	121	54.60	-1.14							
DRGR		221	127	I Pn	D	121	56.00	-0.58							
MORH		235	214	E Pn	D	121	56.80	-1.55							
MORH		235	214	E Sn		122	22.20	-3.89							
BMR		237	98	I Pn		121	57.60	-0.95							
BZS		280	160	I Pn		122	03.60	-0.28							
CJR		282	120	I Pn		122	04.20	0.02							
ARCR		316	108	I Pn	D	122	08.00	-0.46							
CONA		335	269	Pn		122	10.70	-0.12							
CONA		335	269	Sn		122	41.70	-6.59							
KRLC		350	312	E Pn		122	14.20	1.62							
BURB		366	96	I Pn	D	122	14.80	0.20							

1. fejezet: Helyi földrengések

ARSA	372 257	Pn	122 15.10	-0.30
ARSA	372 257	Sn	122 52.30	-4.14
DPC	394 312	E Pn	122 19.80	1.63
SOKA	428 250	Pn	122 22.60	0.29

**March 23 2012**      **Hour: 15:40:43.5**      **Lat: 48.649°N**      **Lon: 20.166°E**      **Depth: 7.3 km**

**Magnitude: 1.9ML**      **Rms: 0.56 s**      **Gap: 85°**      **Erh: 2.0 km**      **Erz: 3.2 km**

**Locality: Szlovákia**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		30	128	E Pg		1540	49.40	0.36							
KECS		30	128	E Sg		1540	53.00	-0.33							
LANS		75	317	E Pg		1540	57.50	0.39							
LANS		75	317	E Sg		1541	06.70	-1.00							
PSZ		83	194	E Pg	D	1540	58.70	0.16							
PSZ		83	194	E Sg		1541	09.20	-1.04							
CRVS		99	74	E Pg		1541	01.70	0.39							
CRVS		99	74	E Sg		1541	13.90	-1.28							
VYHS		99	260	E Pg		1541	01.50	0.13							
VYHS		99	260	E Sg		1541	12.90	-2.39							
STHS		116	43	E Pn		1541	04.60	0.48							
STHS		116	43	E Sn		1541	19.90	-0.28							

**March 28 2012**      **Hour: 03:08:01.1**      **Lat: 47.153°N**      **Lon: 17.816°E**      **Depth: 15.3 km**

**Magnitude: 1.1ML**      **Rms: 0.49 s**      **Gap: 150°**      **Erh: 3.3 km**      **Erz: 2.4 km**

**Locality: Márkó**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		41	55	E Pg		308	09.10	0.14							
SRO		82	27	E P*		308	16.00	-0.01							
SRO		82	27	E S*		308	27.30	-0.30							
BEHE		109	226	E Sn		308	33.50	-1.08							
MORH		121	149	E Pn		308	21.20	-0.24							
MORH		121	149	E Sn		308	37.50	0.24							
KOGS		142	237	Pn		308	24.90	0.85							
KOGS		142	237	E Sn		308	42.70	0.79							
VYHS		167	27	E Sn		308	47.50	0.11							

**April 06 2012**      **Hour: 09:05:17.3**      **Lat: 47.356°N**      **Lon: 18.379°E**      **Depth: 10.0 km**

**Magnitude: 2.7ML**      **Rms: 0.61 s**      **Gap: 97°**      **Erh: 1.5 km**      **Erz: 0.9 km**

**Locality: Gánt**

**Comments: 5 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		9	275	E Pg	D	905	19.40	-0.32							
CSKK		9	275	E Sg		905	20.80	-0.79							
BUD		50	74	E Pg	C	905	26.30	-0.24							
BUD		50	74	E Sg		905	33.10	-0.63							
SRO		51	354	E Pg		905	27.50	0.89							
SRO		51	354	E Sg		905	34.40	0.54							
SRO		51	354	E Pg		905	27.60	0.99							
SRO		51	354	E Sg		905	33.70	-0.16							
MORH		128	171	E Pn	D	905	39.60	0.52							
MORH		128	171	E Sn		905	56.30	0.25							
PSZ		129	61	E Pn	C	905	39.40	0.13							
PSZ		129	61	E Sn		905	56.00	-0.39							
VYHS		131	15	E Pn		905	39.80	0.39							
VYHS		131	15	E Sn		905	55.20	-1.44							
ZST		133	314	E Pn		905	38.80	-0.94							

ZST	133	314	E	Sn		905	54.70	-2.54
MODS	140	324	E	Pn		905	40.70	0.17
MODS	140	324	E	Sn		905	57.90	-0.73
SOP	141	285	E	Pn	D	905	41.40	0.64
SOP	141	285	E	Sn		905	58.80	-0.25
SMOL	147	331	E	Pn		905	41.70	0.30
SMOL	147	331	E	Sn		905	59.50	-0.69
CONA	199	289		Pn		905	48.50	0.55
CONA	199	289		Sn		906	12.50	0.66
KECS	201	51	E	Pn		905	48.30	0.14
KECS	201	51	E	Sn		906	17.90	5.68
LANS	215	22	E	Pn		905	53.50	3.59
ARSA	216	267		Pn		905	50.40	0.36
ARSA	216	267		Sn		906	15.40	-0.17
SOKA	265	253		Pn		905	56.40	0.24
SOKA	265	253		Sn		906	26.30	-0.16
MORC	276	347	I	Pn		905	57.60	0.09
MYKA	369	257		Sn		906	50.80	1.27
DOPR	558	106	I	Pn	D	906	31.90	-0.78

**April 06 2012**      **Hour: 09:38:44.8**      **Lat: 47.371°N**      **Lon: 18.323°E**      **Depth: 10.0 km**  
**Magnitude: 1.8ML**      **Rms: 0.71 s**      **Gap: 92°**      **Erh: 3.0 km**      **Erz: 1.5 km**  
**Locality: Csákberény**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		4	259	E	Pg	D	938	46.40							-0.35
CSKK		4	259	E	Sg		938	48.10							-0.20
SRO		49	359	E	Pg		938	54.70							0.98
SRO		49	359	E	Sg		939	01.80							1.09
BUD		54	77	E	Sg		939	00.20							-2.12
VYHS		130	17	E	Pn		939	07.20							0.39
VYHS		130	17	E	Sn		939	22.20							-1.79
MORH		130	169	E	Pn		939	07.40							0.57
MORH		130	169	E	Sn		939	23.80							-0.24
PSZ		132	63	E	Pn	D	939	07.40							0.32
PSZ		132	63	E	Sn		939	24.10							-0.39
MODS		136	325	E	Sn		939	24.90							-0.34
SMOL		143	332	E	Sn		939	26.70							-0.17

**April 18 2012**      **Hour: 10:33:59.6**      **Lat: 48.287°N**      **Lon: 21.650°E**      **Depth: 5.4 km**  
**Magnitude: 2.2ML**      **Rms: 0.43 s**      **Gap: 116°**      **Erh: 2.0 km**      **Erz: 2.1 km**  
**Locality: Vajdác**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TRPA		68	105	E	Pg		1034	12.30							0.41
TRPA		68	105	E	Sg		1034	20.90							-0.54
CRVS		69	348	E	Pg		1034	11.80							-0.35
CRVS		69	348	E	Sg		1034	22.00							0.11
STHS		129	347	E	Pn		1034	22.40							0.31
STHS		129	347	E	Sn		1034	39.30							-0.29
PSZ		137	253	E	Pn		1034	22.80							-0.29
PSZ		137	253	E	Sn		1034	41.20							-0.17
NIE		159	322		Pn		1034	26.70							0.81
NIE		159	322	E	Sn		1034	46.20							-0.16
DRGR		184	154		Pn		1034	29.50							0.50
DRGR		184	154	E	Sn		1034	49.50							-2.40

VYHS 209 276 E Pn 1034 31.50 -0.64  
 VYHS 209 276 E Sn 1034 55.20 -2.29

**April 23 2012** Hour: 11:55:35.0 Lat: 48.628°N Lon: 21.454°E Depth: 0.0 km  
 Magnitude: 1.7ML Rms: 0.72 s Gap: 123° Erh: 9.8 km Erz: 13.0 km  
 Locality: Szlovákia Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CRVS		30	1	E Pg		1155	40.10	-0.39							
CRVS		30	1	E Sg		1155	43.70	-1.04							
STHS		89	350	E Pg		1155	50.90	-0.04							
STHS		89	350	E Sg		1156	04.00	0.65							
TRPA		97	125	E Pg		1155	52.60	0.13							
PSZ		140	236	E Pn		1155	58.80	-0.73							
PSZ		140	236	E Sn		1156	18.20	-0.44							
LANS		156	292	E Pn		1156	02.90	1.28							
LANS		156	292	E Sn		1156	23.40	1.04							
VYHS		193	266	E Pn		1156	07.20	0.97							
VYHS		193	266	E Sn		1156	29.20	-1.37							

**April 27 2012** Hour: 21:26:09.2 Lat: 47.717°N Lon: 16.209°E Depth: 10.0 km  
 Magnitude: 0.8ML Rms: 0.60 s Gap: 127° Erh: 2.4 km Erz: 2.1 km  
 Locality: Ausztria Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		26	98	E Pg	C	2126	14.50	0.28							
SOP		26	98	E Sg		2126	18.00	-0.16							
CONA		35	312	Pg		2126	15.80	0.13							
CONA		35	312	Sg		2126	20.60	-0.15							
ARSA		73	225	Pg		2126	22.50	0.13							
ARSA		73	225	Sg		2126	31.50	-1.17							
MODS		108	47	E Pn		2126	27.60	-0.79							
MODS		108	47	E Sn		2126	39.60	-3.79							
SMOL		126	46	E Pn		2126	31.50	0.76							
SMOL		126	46	E Sn		2126	46.30	-1.26							
MOA		146	276	Pn		2126	34.10	0.93							
MOA		146	276	Sn		2126	52.00	0.10							

**April 30 2012** Hour: 03:04:43.7 Lat: 48.863°N Lon: 21.723°E Depth: 2.7 km  
 Magnitude: 2.0ML Rms: 0.61 s Gap: 173° Erh: 3.5 km Erz: 3.0 km  
 Locality: Szlovákia Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CRVS		19	283	E Pg		304	47.70	0.43							
CRVS		19	283	E Sg		304	48.70	-1.34							
STHS		70	330	E Pg		304	56.10	-0.28							
STHS		70	330	E Sg		305	06.40	0.15							
TRPA		101	143	E Pg	C	305	01.80	-0.04							
TRPA		101	143	E Sg		305	15.90	-0.06							
LANS		168	281	E Pn		305	11.80	0.43							
LANS		168	281	E Sn		305	33.00	0.06							
PSZ		171	232	E Pn		305	13.60	1.81							
PSZ		171	232	E Sn		305	33.10	-0.58							
VYHS		216	259	E Pn		305	17.00	-0.41							
VYHS		216	259	E Sn		305	41.70	-1.99							

**April 30 2012**      **Hour: 09:38:24.9**    **Lat: 47.011°N**    **Lon: 22.294°E**    **Depth: 5.1 km**  
**Magnitude: 1.6ML**    **Rms: 0.08 s**      **Gap: 158°**      **Erh: 1.5 km**      **Erz: 1.8 km**  
**Locality: Románia**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DRGR		40	128	I Pg		938	32.20	0.10							
SIRR		95	210	I Pg		938	42.00	-0.04							
CJR		104	108	I Pg		938	43.50	-0.13							
TRPA		125	8	I Pn	D	938	47.00	0.05							
BZS		163	199	I Pn		938	51.70	0.04							

**May 02 2012**      **Hour: 17:21:06.2**    **Lat: 48.878°N**    **Lon: 21.746°E**    **Depth: 0.5 km**  
**Magnitude: 2.3ML**    **Rms: 0.73 s**      **Gap: 150°**      **Erh: 3.9 km**      **Erz: 3.3 km**  
**Locality: Szlovákia**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CRVS		21	277	E Pg		1721	10.20	0.29							
STHS		70	329	E Pg		1721	18.60	-0.09							
STHS		70	329	E Sg		1721	28.80	0.33							
TRPA		101	145	E Pg	C	1721	23.90	-0.42							
TRPA		101	145	E Sg		1721	37.70	-0.79							
LANS		169	280	E Pn		1721	34.80	0.56							
LANS		169	280	E Sn		1721	54.70	-1.46							
PSZ		173	232	E Pn		1721	34.30	-0.49							
PSZ		173	232	E Sn		1721	58.60	1.47							
BMR		186	136	I Pn	D	1721	37.50	1.10							
VYHS		218	259	E Pn		1721	39.30	-1.06							
VYHS		218	259	E Sn		1722	03.90	-3.15							
SIRR		290	181	I Pn	D	1721	48.10	-1.22							
BURB		293	119	I Pn		1721	49.70	-0.03							

**May 18 2012**      **Hour: 12:20:31.8**    **Lat: 48.534°N**    **Lon: 20.317°E**    **Depth: 0.0 km**  
**Magnitude: 1.6ML**    **Rms: 0.81 s**      **Gap: 141°**      **Erh: 4.7 km**      **Erz: — km**  
**Locality: Szlovákia**      **Comments: valószínűleg robbantás**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		75	205	E Pg		1220	45.50	0.22							
PSZ		75	205	E Sg		1220	55.50	-0.27							
CRVS		93	64	E Pg		1220	48.60	0.05							
CRVS		93	64	E Sg		1221	00.10	-1.49							
VYHS		109	268	E Pg		1220	51.50	0.11							
VYHS		109	268	E Sg		1221	04.70	-1.95							
STHS		119	35	E Pg		1220	54.40	1.26							
STHS		119	35	E Sg		1221	09.80	0.04							

**May 20 2012**      **Hour: 23:24:19.6**    **Lat: 47.387°N**    **Lon: 18.032°E**    **Depth: 7.5 km**  
**Magnitude: 1.8ML**    **Rms: 1.10 s**      **Gap: 126°**      **Erh: 5.7 km**      **Erz: 4.9 km**  
**Locality: Súr**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		17	99	E Pg		2324	22.60	-0.42							
CSKK		17	99	E Sg		2324	24.00	-1.66							
ZST		113	322	E Pn		2324	40.20	0.31							
ZST		113	322	E Sn		2324	55.00	-0.70							
SOP		115	287	E Pn		2324	37.70	-2.44							
SOP		115	287	E Sn		2324	57.30	1.17							
MODS		123	333	E Pn		2324	41.70	0.61							
MODS		123	333	E Sn		2324	57.20	-0.63							
SMOL		133	340	E Sn		2324	58.90	-1.10							



1. fejezet: Helyi földrengések

VYHS	137	26	E	Pn		2324	44.10	1.32
VYHS	137	26	E	Sn		2324	59.90	-0.94
MORH	138	160	E	Pn	D	2324	43.40	0.45
MORH	138	160	E	Sn		2324	59.60	-1.55
PSZ	151	67	E	Pn		2324	46.40	1.76
PSZ	151	67	E	Sn		2324	58.00	-6.15

**May 30 2012**      **Hour: 23:59:04.8**      **Lat: 46.164°N**      **Lon: 16.601°E**      **Depth: 8.1 km**  
**Magnitude: 1.5ML**      **Rms: 0.34 s**      **Gap: 147°**      **Erh: 1.5 km**      **Erz: 1.1 km**  
**Locality: Horvátország**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		36	21	E	Pg	C	2359	11.40							-0.15
BEHE		36	21	E	Sg		2359	16.70							-0.08
KOGS		41	319	I	Pg		2359	12.50							0.07
KOGS		41	319	I	Sg		2359	18.40							0.07
GCIS		82	246	I	Pg		2359	19.60							-0.02
DOBS		87	269	I	Pg		2359	20.20							-0.34
CRÉS		96	247	I	Pg		2359	22.00							-0.11
BOJS		127	235	E	Pn		2359	27.40							0.60
SOKA		133	295		Pn		2359	27.90							0.41
SOKA		133	295		Sn		2359	44.80							-0.34
ARSA		146	326		Pn		2359	29.80							0.71
ARSA		146	326		Sn		2359	47.50							-0.49
MORH		157	88	E	Pn	D	2359	28.10							-2.42
MORH		157	88	E	Sn		2359	50.40							-0.15

**May 31 2012**      **Hour: 03:42:16.6**      **Lat: 46.843°N**      **Lon: 18.185°E**      **Depth: 8.1 km**  
**Magnitude: 1.5ML**      **Rms: 0.33 s**      **Gap: 117°**      **Erh: 2.0 km**      **Erz: 2.4 km**  
**Locality: Ádánd**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		58	6	E	Pg	D	342	27.10							0.06
CSKK		58	6	E	Sg		342	34.50							-0.71
MORH		78	153	E	Pg	C	342	31.00							0.42
MORH		78	153	E	Sg		342	40.70							-0.82
BUD		95	42	E	Pg	C	342	33.60							-0.07
BUD		95	42	E	Sg		342	47.20							0.18
BEHE		115	249	E	Pn		342	36.80							-0.16
BEHE		115	249	E	Sn		342	53.00							0.13
PSZ		176	47	E	Pn		342	44.40							-0.09
PSZ		176	47	E	Sn		343	07.80							1.52

**May 31 2012**      **Hour: 21:35:42.3**      **Lat: 48.922°N**      **Lon: 20.290°E**      **Depth: 0.1 km**  
**Magnitude: 2.6ML**      **Rms: 1.09 s**      **Gap: 148°**      **Erh: 2.3 km**      **Erz: 2.6 km**  
**Locality: Szlovákia**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		50	164	E	Pg		2135	51.90							0.54
KECS		50	164	E	Sg		2135	58.40							-0.04
LANS		65	293	E	Pg		2135	53.60							-0.34
LANS		65	293	E	Sg		2136	01.60							-1.43
CRVS		85	91	E	Pg		2135	57.20							-0.43
CRVS		85	91	E	Sg		2136	07.80							-1.80
PSZ		115	195	E	Pg	D	2136	03.80							0.92
PSZ		115	195	E	Sg		2136	17.70							-1.24
VYHS		117	246	E	Pg		2136	02.80							-0.39
VYHS		117	246	E	Sg		2136	17.50							-2.00

OKC	186	303	E	Pn		2136	13.70	1.20
OKC	186	303	E	Sn		2136	36.50	0.44
TRPA	188	118	E	Pn		2136	12.00	-0.75
TRPA	188	118	E	Sn		2136	37.00	0.48
SRO2	190	227	E	Pn		2136	14.00	0.92
SRO2	190	227	E	Sn		2136	38.30	1.20
SMOL	215	258	E	Pn		2136	16.00	-0.16
SMOL	215	258	E	Sn		2136	41.80	-0.79
MORC	221	295	I	Pn	D	2136	18.90	2.02
CSKK	229	221	E	Pn		2136	19.80	1.83
CSKK	229	221	E	Sn		2136	49.00	3.20
MODS	230	255	E	Pn		2136	16.90	-1.11
MODS	230	255	E	Sn		2136	41.90	-3.98
ZST	248	251	E	Pn		2136	19.30	-1.02
ZST	248	251	E	Sn		2136	45.80	-4.19
VRAC	273	279	I	Pn		2136	23.90	0.52
BMR	275	120	I	Pn		2136	23.20	-0.47
KRLC	284	297	E	Pn		2136	25.50	0.69
KRLC	284	297	E	Sn		2137	01.70	3.72
DRGR	298	143	I	Pn	D	2136	27.20	0.71
MORH	325	202	E	Pn	C	2136	29.90	0.03
MORH	325	202	E	Sn		2137	03.40	-3.59
DPC	327	299	E	Pn		2136	31.60	1.43
DPC	327	299	E	Sn		2137	15.20	7.68
CJR	348	135	I	Pn		2136	33.00	0.20
UPC	355	300	E	Pn		2136	35.00	1.38
UPC	355	300	E	Sn		2137	22.50	8.84
BZS	380	165	I	Pn		2136	38.30	1.50
BURB	393	112	I	Pn		2136	39.10	0.71
GOPC	414	285	E	Pn		2136	40.70	-0.26
GOPC	414	285	E	Sn		2137	40.50	13.77
PRU	433	286	E	Pn		2136	43.10	-0.24
PRU	433	286	E	Sn		2137	45.40	14.44
PVCC	449	293	E	Pn		2136	45.00	-0.36
LOT	467	146	I	Pn	D	2136	48.60	0.98
KHC	491	273	E	Pn		2136	50.30	-0.28
KHC	491	273	E	Sn		2138	02.40	18.55
ARR	514	140	I	Pn	D	2136	53.70	0.24
TESR	547	119	I	Pn		2136	58.00	0.45

**June 01 2012**      **Hour: 03:47:40.6**      **Lat: 48.911°N**      **Lon: 20.283°E**      **Depth: 0.9 km**

**Magnitude: 2.1ML**      **Rms: 1.30 s**      **Gap: 147°**      **Erh: 4.1 km**      **Erz: 5.7 km**

**Locality: Szlovákia**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		49	163	E	Pg		347	50.10		0.63					
KECS		49	163	E	Sg		347	56.30		-0.11					
LANS		65	294	E	Pg		347	51.80		-0.43					
LANS		65	294	E	Sg		347	59.40		-1.93					
CRVS		86	91	E	Pg		347	55.20		-0.79					
CRVS		86	91	E	Sg		348	05.90		-2.12					
PSZ		114	195	E	Pg	D	348	02.10		1.16					
PSZ		114	195	E	Sg		348	15.90		-0.92					
VYHS		116	246	E	Pg		348	01.10		-0.21					
VYHS		116	246	E	Sg		348	15.70		-1.79					

OKC	186	304	E	Pn	348	11.80	1.09
OKC	186	304	E	Sn	348	33.00	-1.21
TRPA	187	118	E	Pn D	348	12.30	1.39
TRPA	187	118	E	Sn	348	31.90	-2.68
MORC	221	296	I	Pn	348	17.60	2.53
BURB	393	111	I	Pn	348	37.50	0.94

**June 14 2012** Hour: 08:13:46.8 Lat: 48.075°N Lon: 20.250°E Depth: 8.0 km  
 Magnitude: 1.2ML Rms: 0.46 s Gap: 193° Erh: 5.4 km Erz: 2.9 km  
 Locality: Bekölce Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		31	237	E	Pg	813	52.30	-0.32							
PSZ		31	237	E	Sg	813	57.40	0.23							
KECS		48	21	E	Pg	813	55.50	-0.10							
KECS		48	21	E	Sg	814	02.60	0.13							
VYHS		114	294	E	Pn	814	08.20	1.09							
VYHS		114	294	E	Sn	814	22.30	-0.66							
CRVS		128	44	E	Pn	814	08.60	-0.21							

**June 14 2012** Hour: 20:02:33.3 Lat: 47.819°N Lon: 18.959°E Depth: 10.0 km  
 Magnitude: 1.3ML Rms: 1.30 s Gap: 127° Erh: 6.4 km Erz: 8.0 km  
 Locality: Kismaros Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		37	173	E	Pg	2002	42.80	2.59							
PSZ		70	81	E	Pg D	2002	45.50	-0.54							
PSZ		70	81	E	Sg	2002	55.60	-0.41							
CSKK		73	226	E	Pg	2002	45.30	-1.12							
CSKK		73	226	E	Sg	2002	52.00	-4.68							
VYHS		75	353	E	Pg	2002	47.80	0.92							
VYHS		75	353	E	Sg	2002	56.80	-0.70							
KECS		135	57	E	Pn	2002	56.30	0.39							
KECS		135	57	E	Sn	2003	13.40	-0.18							

**June 18 2012** Hour: 08:11:54.8 Lat: 48.558°N Lon: 20.807°E Depth: 0.0 km  
 Magnitude: 1.4ML Rms: 0.56 s Gap: 172° Erh: 4.2 km Erz: 4.0 km  
 Locality: Tornanádaska Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		25	251	E	Pg	811	59.20	-0.09							
KECS		25	251	E	Sg	812	03.60	0.81							
CRVS		61	52	E	Pg	812	06.10	0.32							
CRVS		61	52	E	Sg	812	14.10	-0.25							
PSZ		98	224	E	Pg	812	12.70	0.36							
PSZ		98	224	E	Sg	812	25.40	-0.62							
VYHS		145	267	E	Pn	812	19.10	-0.90							
VYHS		145	267	E	Sn	812	37.70	-1.97							

**June 21 2012** Hour: 20:32:02.9 Lat: 48.792°N Lon: 19.995°E Depth: 14.9 km  
 Magnitude: 1.6ML Rms: 0.73 s Gap: 128° Erh: 4.1 km Erz: 3.5 km  
 Locality: Szlovákia Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		49	134	E	Pg	2032	12.20	-0.02							
KECS		49	134	E	Sg	2032	17.60	-1.87							
LANS		55	316	E	Pg	2032	13.80	0.62							
LANS		55	316	E	Sg	2032	20.60	-0.58							
VYHS		91	249	E	P*	2032	19.50	0.29							

VYHS	91	249	E	S*	2032	30.40	-1.52
PSZ	97	184	E	P*	2032	20.80	0.70
CRVS	108	84	E	Sn	2032	35.70	-0.39

**June 30 2012**      **Hour: 09:57:50.0**      **Lat: 48.659°N**      **Lon: 20.240°E**      **Depth: 0.0 km**  
**Magnitude: 1.5ML**      **Rms: 0.59 s**      **Gap: 119°**      **Erh: 2.5 km**      **Erz: 5.0 km**  
**Locality: Szlovákia**      **Comments: valószínűleg robbantás**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		26	137	E	Pg	957	54.90	-0.19							
KECS		26	137	E	Sg	957	58.30	-0.76							
LANS		78	314	E	Pg	958	04.60	0.43							
LANS		78	314	E	Sg	958	14.10	-1.12							
PSZ		86	197	E	Pg	958	05.80	0.29							
PSZ		86	197	E	Sg	958	18.40	0.79							
CRVS		93	73	E	Pg	958	07.40	0.56							
CRVS		93	73	E	Sg	958	19.50	-0.48							
VYHS		105	260	E	P*	958	08.70	-0.12							
VYHS		105	260	E	S*	958	21.50	-2.00							

**July 01 2012**      **Hour: 01:46:32.1**      **Lat: 48.968°N**      **Lon: 20.288°E**      **Depth: 10.0 km**  
**Magnitude: 1.4ML**      **Rms: 0.87 s**      **Gap: 166°**      **Erh: 4.7 km**      **Erz: 4.1 km**  
**Locality: Szlovákia**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		55	165	E	Pg	146	42.80	0.54							
KECS		55	165	E	Sg	146	49.30	-0.86							
LANS		63	289	E	Pg	146	43.90	0.33							
LANS		63	289	E	Sg	146	51.40	-1.09							
CRVS		86	95	E	Pg	146	47.70	0.05							
CRVS		86	95	E	Sg	146	57.80	-1.95							
VYHS		119	244	E	Pn	146	53.30	0.57							
VYHS		119	244	E	Sn	147	07.80	-1.00							
PSZ		120	194	E	Pn	146	54.20	1.32							
PSZ		120	194	E	Sn	147	08.10	-0.97							

**July 16 2012**      **Hour: 09:36:17.0**      **Lat: 47.984°N**      **Lon: 19.435°E**      **Depth: 10.0 km**  
**Magnitude: 1.3ML**      **Rms: 0.42 s**      **Gap: 220°**      **Erh: — km**      **Erz: — km**  
**Locality: Cserhátsurány**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		35	102	E	Pg	D	936	23.20	-0.29						
PSZ		35	102	E	Sg		936	29.00	0.42						
VYHS		72	322	E	Pg		936	30.70	0.73						
VYHS		72	322	E	Sg		936	40.00	-0.10						
KECS		95	55	E	Pg		936	33.80	-0.37						
KECS		95	55	E	Sg		936	47.90	0.31						

**July 17 2012**      **Hour: 15:12:38.3**      **Lat: 48.068°N**      **Lon: 20.249°E**      **Depth: 10.0 km**  
**Magnitude: 0.7ML**      **Rms: 0.50 s**      **Gap: 194°**      **Erh: 4.3 km**      **Erz: 2.1 km**  
**Locality: Egercsehi**      **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		31	238	E	Pg	C	1512	43.70	-0.41						
PSZ		31	238	E	Sg		1512	49.20	0.52						
KECS		49	21	E	Pg		1512	46.90	-0.35						
KECS		49	21	E	Sg		1512	54.80	0.52						
VYHS		115	294	E	Pn		1512	59.30	0.95						
VYHS		115	294	E	Sn		1513	14.00	-0.04						

CRVS 129 44 E Pn 1512 59.60 -0.49  
 CRVS 129 44 E Sn 1513 17.30 0.18

**August 06 2012 Hour: 08:13:04.9 Lat: 48.555°N Lon: 20.821°E Depth: 0.0 km**  
**Magnitude: 1.6ML Rms: 0.57 s Gap: 173° Erh: 3.6 km Erz: 3.4 km**  
**Locality: Hidvégyardó Comments: valószínűleg robbantás**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		26	252	E Pg		813	09.10	-0.42							
KECS		26	252	E Sg		813	13.00	-0.14							
CRVS		60	51	E Pg		813	16.20	0.46							
CRVS		60	51	E Sg		813	23.90	-0.32							
PSZ		98	224	E Pg		813	23.20	0.70							
PSZ		98	224	E Sg		813	36.60	0.34							
VYHS		146	267	E Pn		813	29.60	-0.60							
VYHS		146	267	E Sn		813	47.40	-2.56							

**August 12 2012 Hour: 05:40:30.5 Lat: 47.811°N Lon: 16.225°E Depth: 2.0 km**  
**Magnitude: 1.1ML Rms: 1.29 s Gap: 96° Erh: 2.9 km Erz: 3.4 km**  
**Locality: Ausztria Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		28	120	E Pg	C	540	36.30	0.68							
SOP		28	120	E Sg		540	39.80	0.16							
CONA		30	296	Pg		540	36.50	0.65							
CONA		30	296	Sg		540	40.50	0.46							
ARSA		81	220	Pg		540	44.70	-0.36							
ARSA		81	220	Sg		540	54.70	-1.75							
MODS		100	51	E Pg		540	48.00	-0.38							
MODS		100	51	E Sg		541	00.70	-1.66							
SMOL		118	49	E Pg		540	51.50	-0.20							
SMOL		118	49	E Sg		541	07.10	-1.16							
MOA		146	272	Pn		540	55.20	-0.33							
MOA		146	272	Sn		541	13.00	-2.08							
SOKA		155	216	Pn		540	56.60	0.04							
SOKA		155	216	Sn		541	15.10	-1.82							
OBKA		192	221	Pn		541	04.70	3.44							
OBKA		192	221	Sn		541	27.70	2.43							
OBKA		192	221	E Sn		541	31.20	2.37							
KHC		244	307	E Pn		541	10.10	2.36							
KHC		244	307	E Sn		541	39.10	2.29							
GOPC		256	336	E Sn		541	42.10	2.64							
PRU		271	333	E Sn		541	46.00	3.17							
DPC		282	1	E Sn		541	49.60	4.39							
RETA		412	265	Pn		541	31.00	2.39							

**August 17 2012 Hour: 08:54:09.6 Lat: 46.995°N Lon: 22.337°E Depth: 9.4 km**  
**Magnitude: 1.6ML Rms: 0.25 s Gap: 167° Erh: 3.4 km Erz: 3.5 km**  
**Locality: Románia Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DRGR		36	128	I Pg		854	16.30	-0.03							
CJR		101	108	I Pg		854	27.60	-0.16							
BMR		115	49	I Pn		854	30.30	0.43							
TRPA		127	7	I Pn		854	31.00	-0.30							
BZS		163	200	I Pn		854	35.80	0.03							
MDVR		250	191	I Pn	D	854	46.90	0.18							
DOPR		260	116	I Pn	D	854	49.50	1.54							

**August 20 2012** Hour: 10:20:15.1 Lat: 48.607°N Lon: 20.763°E Depth: 0.0 km  
**Magnitude: 1.2ML** Rms: 0.34 s Gap: 163° Erh: 6.1 km Erz: 4.9 km  
**Locality: Szlovákia** Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		24	236	E Pg		1020	19.20	-0.33							
KECS		24	236	E Sg		1020	23.50	0.54							
CRVS		61	57	E Pg		1020	26.30	0.29							
CRVS		61	57	E Sg		1020	34.20	-0.31							
PSZ		100	220	E Pg		1020	33.30	0.30							
PSZ		100	220	E Sg		1020	46.90	-0.04							
VYHS		142	265	E Pn		1020	39.60	-0.36							
VYHS		142	265	E Sn		1020	57.50	-1.83							

**August 22 2012** Hour: 07:51:23.3 Lat: 48.615°N Lon: 20.758°E Depth: 0.0 km  
**Magnitude: 1.4ML** Rms: 0.34 s Gap: 161° Erh: 7.9 km Erz: 6.3 km  
**Locality: Szlovákia** Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		24	234	E Sg		751	31.00	-0.17							
CRVS		60	58	E Pg		751	34.40	0.29							
CRVS		60	58	E Sg		751	42.20	-0.38							
PSZ		100	220	E Pg		751	41.60	0.39							
PSZ		100	220	E Sg		751	55.00	-0.22							
VYHS		142	265	E Pn		751	48.00	-0.06							
VYHS		142	265	E Sn		752	05.90	-1.51							

**August 29 2012** Hour: 10:29:30.1 Lat: 48.627°N Lon: 20.720°E Depth: 0.0 km  
**Magnitude: 1.6ML** Rms: 0.52 s Gap: 157° Erh: 2.1 km Erz: 4.5 km  
**Locality: Szlovákia** Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		23	227	E Pg		1029	34.30	-0.01							
KECS		23	227	E Sg		1029	38.00	0.40							
CRVS		62	61	E Pg		1029	41.50	0.25							
CRVS		62	61	E Sg		1029	49.40	-0.55							
PSZ		99	218	E Pg	C	1029	48.20	0.27							
PSZ		99	218	E Sg		1030	01.00	-0.84							
LANS		108	302	E Pg		1029	50.10	0.59							
LANS		108	302	E Sg		1030	04.10	-0.55							
VYHS		139	264	E Pn		1029	54.80	0.23							
VYHS		139	264	E Sn		1030	11.80	-1.86							

**September 25 2012** Hour: 07:06:42.5 Lat: 48.381°N Lon: 19.894°E Depth: 0.0 km  
**Magnitude: 1.5ML** Rms: 0.15 s Gap: 104° Erh: 0.8 km Erz: 223 km  
**Locality: Szlovákia** Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		45	76	E Pg		706	50.50	-0.10							
KECS		45	76	E Sg		706	57.00	0.10							
PSZ		51	180	E Pg	D	706	51.90	0.18							
PSZ		51	180	E Sg		706	58.70	-0.19							
VYHS		79	279	E Pg		706	56.70	0.02							
VYHS		79	279	E Sg		707	05.90	-1.82							
LANS		91	340	E Sg		707	11.40	-0.08							

**September 27 2012** Hour: 17:05:21.8 Lat: 47.465°N Lon: 18.661°E Depth: 13.7 km  
 Magnitude: 2.1ML Rms: 0.54 s Gap: 229° Erh: 6.3 km Erz: 2.8 km  
 Locality: Bicske Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		27	86	E Pg		1705	27.40	0.09							
BUD		27	86	E Sg		1705	31.10	-0.49							
PSZ		105	61	E Pn		1705	40.10	-0.16							
PSZ		105	61	E Sn		1705	54.60	-0.04							
VYHS		115	7	E Pn		1705	42.00	0.53							
VYHS		115	7	E Sn		1705	55.80	-1.00							
MODS		144	314	E Pn		1705	44.90	-0.24							
MODS		144	314	E Sn		1706	02.90	-0.42							
MODS		144	314	E Sn		1706	14.50	3.95							
LANS		196	18	E Pn		1705	55.30	3.65							
VRAC		255	323	I Pn		1706	00.10	1.09							
BZS		306	132	I Pn		1706	06.20	0.94							
DRGR		316	104	I Pn	D	1706	07.60	1.05							
DPC		363	332	E Pn		1706	14.10	1.63							
KHC		420	296	E Pn		1706	21.30	1.80							

**October 16 2012** Hour: 12:10:58.5 Lat: 48.357°N Lon: 19.877°E Depth: 0.0 km  
 Magnitude: 1.9ML Rms: 0.48 s Gap: 106° Erh: 2.2 km Erz: 658 km  
 Locality: Szlovákia Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		47	73	E Pg		1211	06.40	-0.56							
KECS		47	73	E Sg		1211	12.90	-0.64							
PSZ		48	178	E Pg	C	1211	07.40	0.15							
PSZ		48	178	E Sg		1211	14.30	0.25							
VYHS		78	281	E Pg		1211	12.60	0.05							
VYHS		78	281	E Sg		1211	22.20	-1.28							
LANS		93	341	E Pg		1211	16.00	0.82							
KOLL		111	283	E Pg		1211	18.50	0.01							

**October 29 2012** Hour: 08:34:53.4 Lat: 47.752°N Lon: 20.084°E Depth: 10.0 km  
 Magnitude: 1.9ML Rms: 1.38 s Gap: 205° Erh: 8.1 km Erz: 4.4 km  
 Locality: Detk Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		23	322	E Pg	C	834	58.00	0.04							
PSZ		23	322	E Sg		835	00.00	-1.49							
KECS		86	20	E Pg		835	11.90	2.90							
KECS		86	20	E Sg		835	20.60	-0.54							
VYHS		124	312	E Pn		835	16.10	1.42							
VYHS		124	312	E Sn		835	30.00	-1.25							
LTVH		142	107	E Sn		835	35.60	0.25							
LANS		162	344	E Sn		835	39.70	0.06							
NIE		186	5	E Sn		835	45.70	0.72							
TRPA		188	77	E Sn		835	41.90	-3.55							

**November 13 2012** Hour: 09:44:02.4 Lat: 48.599°N Lon: 20.645°E Depth: 0.0 km  
 Magnitude: 1.7ML Rms: 0.45 s Gap: 271° Erh: 5.4 km Erz: 3.7 km  
 Locality: Szlovákia Comments: valószínűleg robbantás

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		17	222	E Pg		944	04.90	-0.63							
KECS		17	222	E Sg		944	08.70	0.73							
PSZ		94	216	E Pg		944	19.50	0.30							

PSZ	94	216	E	Sg	944	32.40	0.10
LANS	105	305	E	Pg	944	21.50	0.17
LANS	105	305	E	Sg	944	35.70	-0.38
VYHS	134	265	E	Pn	944	26.40	0.23
VYHS	134	265	E	Sn	944	43.50	-1.19

**November 15 2012** Hour: 03:17:33.0 Lat: 47.755°N Lon: 16.271°E Depth: 7.0 km  
 Magnitude: 2.4ML Rms: 1.49 s Gap: 53° Erh: 3.0 km Erz: 2.8 km

Locality: Ausztria

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		23	110	E	Pg	C	317	38.70		1.42					
SOP		23	110	E	Sg		317	42.30		1.68					
CONA		36	302		Pg		317	39.80		0.23					
CONA		36	302		Sg		317	44.90		0.20					
ZST		79	52	E	Pg		317	46.60		-0.57					
ZST		79	52	E	Sg		317	56.50		-1.73					
ARSA		79	225		Pg		317	46.50		-0.75					
ARSA		79	225		Sg		317	55.50		-2.87					
MODS		101	47	E	Pg		317	50.40		-0.81					
MODS		101	47	E	Sg		318	03.80		-1.61					
SMOL		120	46	E	Pn		317	55.10		0.93					
SMOL		120	46	E	Sn		318	09.90		-0.78					
BEHE		147	165	E	Pn		317	57.80		0.23					
BEHE		147	165	E	Sn		318	16.20		-0.54					
MOA		150	274		Pn		317	57.90		-0.01					
MOA		150	274		Sn		318	16.20		-1.14					
SOKA		152	218		Pn		317	58.40		0.30					
SOKA		152	218		Sn		318	14.70		-2.98					
TIH		155	128	E	Pn		317	58.60		0.13					
TREC		180	341	E	Pn		318	02.70		1.03					
TREC		180	341	E	Sn		318	23.50		-0.54					
OBKA		190	223		Pn		318	04.90		2.02					
OBKA		190	223		Sn		318	26.10		-0.08					
VYHS		207	67	E	Pn		318	09.50		4.45					
KBA		233	251		Pn		318	11.70		3.48					
KBA		233	251		Sn		318	40.20		4.50					
MYKA		235	238		Pn		318	12.70		4.23					
MORH		248	133	E	Pn	D	318	09.80		-0.35					
MORH		248	133	E	Sn		318	35.40		-3.73					
KHC		251	308	E	Pn		318	10.20		-0.26					
KHC		251	308	E	Sn		318	38.20		-1.48					
KRLC		260	8	E	Pn		318	12.50		0.86					
ABTA		305	249		Pn		318	24.50		7.24					
ABTA		305	249		Sn		319	00.40		8.61					
WATA		356	262		Pn		318	23.50		-0.08					
SQTA		386	261		Pn		318	28.80		1.52					
SQTA		386	261		Sn		319	26.10		16.48					
MOTA		391	263		Pn		318	28.90		0.93					



**December 19 2012 Hour: 10:56:47.4 Lat: 48.598°N Lon: 20.626°E Depth: 0.0 km**  
**Magnitude: 1.9ML Rms: 0.23 s Gap: 164° Erh: 1.7 km Erz: 1.8 km**  
**Locality: Szlovákia Comments: valószínűleg robbantás**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		93	216	E Pg		1057	04.00	0.00							
PSZ		93	216	E Sg		1057	16.80	-0.17							
LANS		104	306	E Pg		1057	06.20	0.10							
LANS		104	306	E Sg		1057	20.50	-0.21							
VYHS		132	265	E Pn		1057	11.00	0.50							
VYHS		132	265	E Sn		1057	28.30	-0.25							
TRPA		151	110	E Pn		1057	12.60	-0.18							
TRPA		151	110	E Sn		1057	28.00	-4.61							

**December 25 2012 Hour: 17:01:35.5 Lat: 46.483°N Lon: 16.669°E Depth: 14.7 km**  
**Magnitude: 2.5ML Rms: 0.45 s Gap: 115° Erh: 1.3 km Erz: 0.9 km**  
**Locality: Szentmargitfalva Comments: 4-5 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		8	100	E Pg	C	1701	38.10	-0.39							
KOGS		32	263	I Pg		1701	41.90	0.08							
KOGS		32	263	I Sg		1701	47.00	0.24							
PTJ		84	220	I P*		1701	50.40	-0.36							
ZAG		89	216	I P*		1701	51.80	0.35							
GOLS		96	237	I P*		1701	52.40	-0.07							
GOLS		96	237	E Sn		1702	04.60	-1.12							
DOBS		99	248	I P*		1701	52.70	-0.29							
DOBS		99	248	E Sn		1702	05.40	-1.25							
TIH		104	64	E Pn	D	1701	53.60	-0.06							
TIH		104	64	E Sn		1702	08.00	0.15							
GCIS		105	230	I Pn		1701	53.90	0.10							
GCIS		105	230	E Sn		1702	08.80	0.71							
CESS		108	239	I Pn		1701	54.70	0.49							
CESS		108	239	I Sn		1702	08.10	-0.72							
CRES		118	232	I Pn		1701	55.70	0.27							
CRES		118	232	E Sn		1702	11.00	0.00							
LEGS		120	240	I Pn		1701	55.80	0.21							
LEGS		120	240	E Sn		1702	10.50	-0.78							
PERS		120	278	I Pn		1701	55.40	-0.22							
PERS		120	278	E Sn		1702	10.90	-0.43							
ARSA		122	314	Pn		1701	55.70	-0.15							
ARSA		122	314	Sn		1702	10.50	-1.25							
SOKA		127	280	Pn		1701	56.40	-0.10							
SOKA		127	280	Sn		1702	13.00	0.11							
SOP		133	356	E Pn	D	1701	57.30	0.00							
SOP		133	356	E Sn		1702	13.70	-0.62							
BOJS		154	225	I Pn		1702	00.30	0.40							
MORH		155	101	E Pn	D	1701	59.40	-0.55							
MORH		155	101	E Sn		1702	21.40	2.35							
VNDS		157	254	I Pn		1702	00.50	0.24							
VISS		160	242	I Pn		1702	01.00	0.39							
OBKA		162	271	Pn		1702	01.40	0.48							
OBKA		162	271	Sn		1702	24.00	3.23							
CONA		171	339	Pn		1702	02.30	0.23							
CONA		171	339	Sn		1702	24.40	1.59							
MOA		237	310	Pn		1702	11.60	1.40							
MOA		237	310	Sn		1702	37.50	0.21							

December 28 2012 Hour: 04:14:33.5 Lat: 47.559°N Lon: 16.506°E Depth: 0.5 km  
 Magnitude: 1.1ML Rms: 0.56 s Gap: 229° Erh: 2.9 km Erz: 3.2 km  
 Locality: Ausztria Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		14	16	E Pg	C	414	36.00	-0.05							
SOP		14	16	E Sg		414	37.70	-0.35							
CONA		63	310	Pg		414	45.20	0.40							
CONA		63	310	Sg		414	53.10	-0.53							
ARSA		81	245	Pg		414	48.00	-0.08							
ARSA		81	245	Sg		414	58.70	-0.77							
MOA		171	281	Pn		415	03.40	1.60							
MOA		171	281	Sn		415	24.70	0.81							

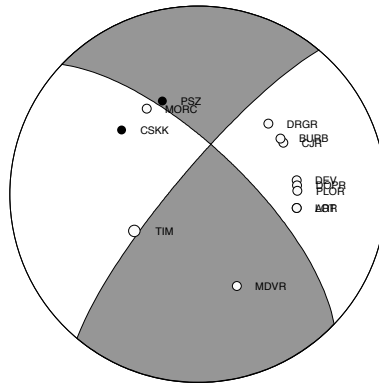
## 2. fejezet

# Fészekmechanizmusok

A 2012-es évre vonatkozóan azonosított 51 földrengés közül 2 esetben bizonyult elegendőnek az adatmennyiség a fészekmechanizmus-megoldás meghatározásához. A számításokat Reasenberget és Oppenheimer (1985) FPFIT elnevezésű számítógépes programjával hajtottuk végre. Az eredményeket a 2.1. táblázat és a 2.1-2.2. ábrák mutatják be.

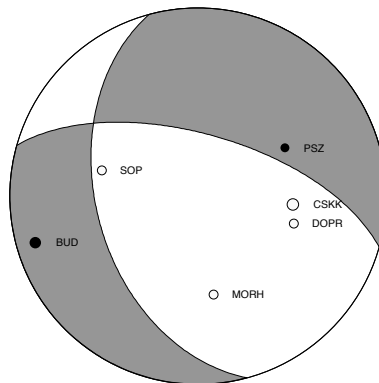
Dátum	Idő	$\phi$ (°É)	$\lambda$ (°K)	Mélység (km)	Magnitúdó	Strike (°)	Dip (°)	Rake (°)
2012.01.07	05:43:25	45.711	21.158	8.9	2.8	220	80	160
2012.04.06	09:05:17	47.356	18.379	10.0	2.7	165	45	-40

2.1. táblázat. Számított fészekmechanizmussal rendelkező 2012-es földrengések paramétereit és a fészekmechanizmus-megoldásokat



2.1. ábra.

A 2012.01.07 05:43:25 UTC időpontban keletkezett földrengés fészekmechanizmusa



2.2. ábra.

A 2012.04.06 09:05:17 UTC időpontban keletkezett földrengés fészekmechanizmusa

## 3. fejezet

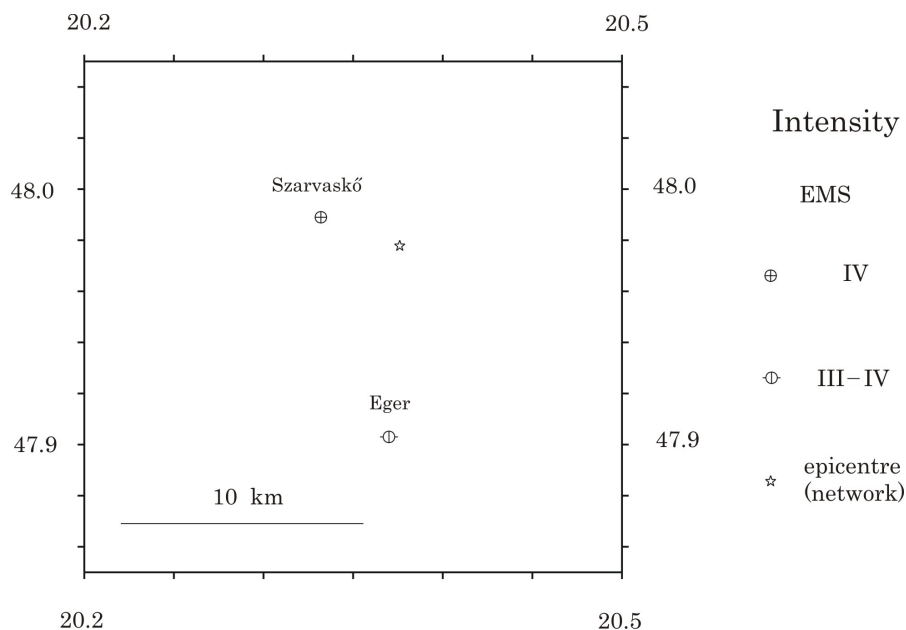
# Makroszeizmikus adatok

A 2012-es év folyamán 3 földrengést érzékelt a lakosság Magyarország területén (3.1. táblázat). A földrengések hatását internetes kérdőívekkel mértük fel. Ez a fejezet az összegyűjtött adatok feldolgozásának eredményeit mutatja be. A 3.2-3.4. táblázatok az érintett települések neveit, koordinátáikat, a becsült EMS intenzitásértéket, ezek R relatív megbízhatóságát (Zsíros, 1994) és az adatok N számát tartalmazzák az egyes földrengések esetében.

Dátum	Idő	$\phi$ (°É)	$\lambda$ (°N)	Mélység (km)	Magnitúdó (ML)	Epic. intenzitás (EMS)
2012.03.20	01:21:23	47.985	20.359	6.9	2.4	III-IV
2012.04.06	09:05:17	47.356	18.379	10.0	2.7	V
2012.12.25	17:01:36	46.483	16.669	14.7	2.5	IV-V

3.1. táblázat. A lakosság által érzékelt magyarországi földrengések jellemzői

### 2012.03.20 – Szarvaskő

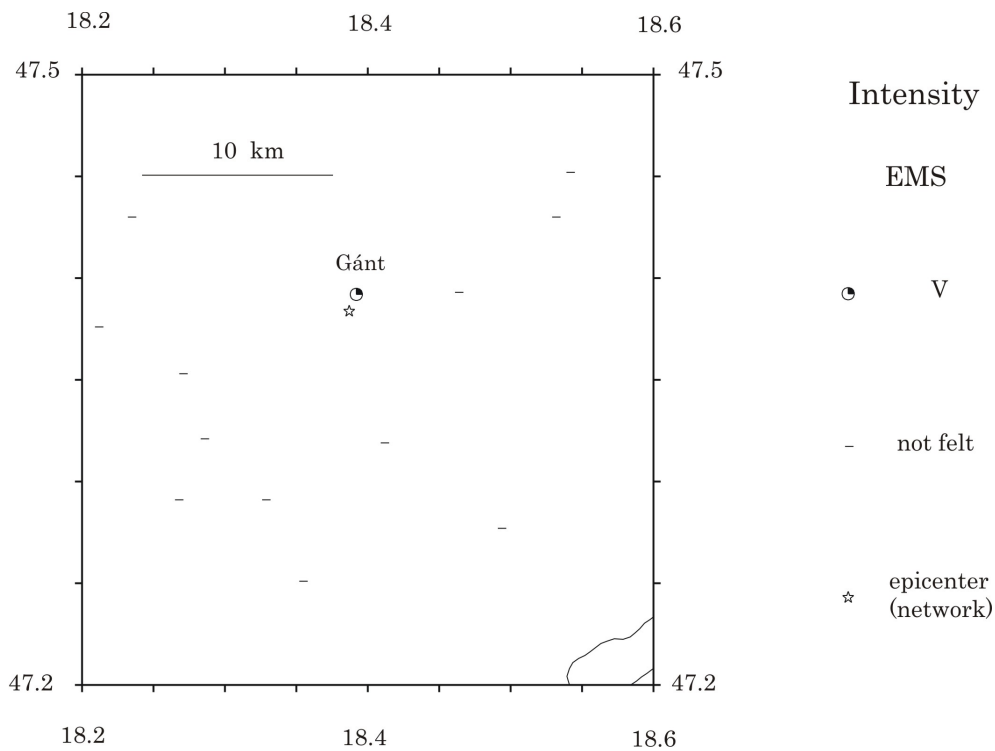


3.1. ábra. A 2012.03.20 01:21:23 UTC időpontban keletkezett földrengéshez tartozó EMS intenzitáseloszlás

Helység	$\phi$ ( $^{\circ}$ N)	$\lambda$ ( $^{\circ}$ E)	Intenzitás (EMS)	R (%)	N
Eger	47.903	20.370	III-IV	39	1
Szarvaskő	47.989	20.332	IV	51	2

3.2. táblázat. A 2012.03.20 01:21:23 UTC időpontban keletkezett földrengéshez tartozó EMS intenzitás értékek

## 2012.04.06 – Gánt

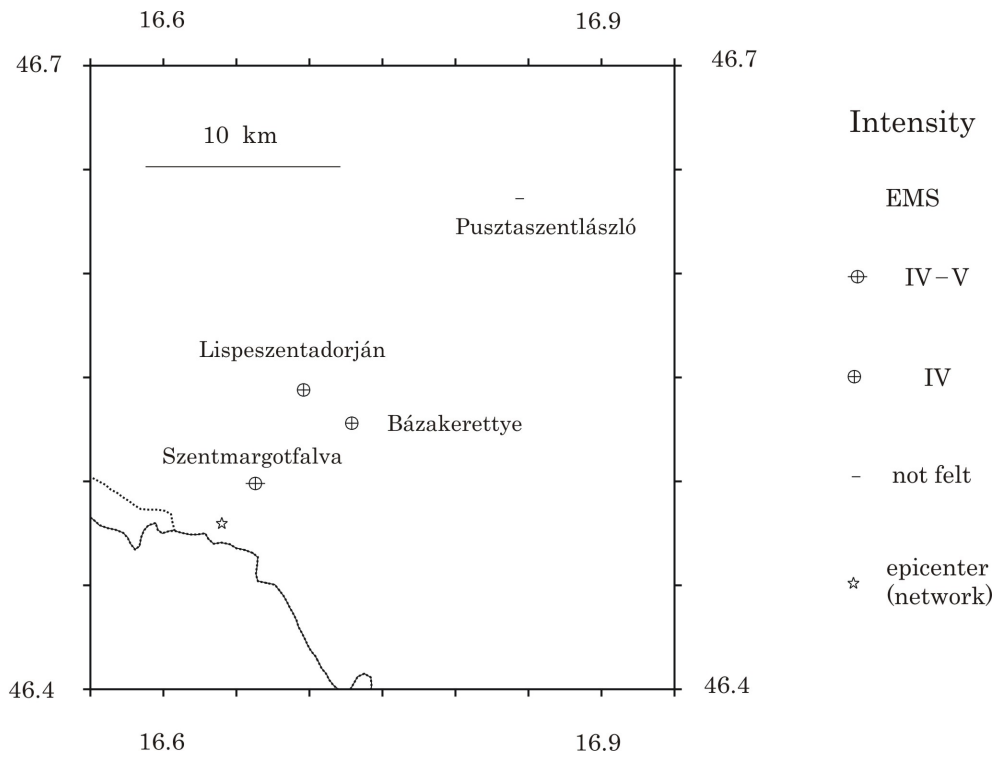


3.2. ábra. A 2012.04.06 09:05:17 UTC időpontban keletkezett földrengéshez tartozó EMS intenzitáseloszlás

Helység	$\phi$ (°N)	$\lambda$ (°E)	Intenzitás (EMS)	R (%)	N
Bodmér	47.452	18.542	I	0	1
Csákvár	47.393	18.464	I	0	2
Csókakő	47.353	18.271	I	0	2
Fehérvárcsurgó	47.291	18.268	I	0	1
Gánt	47.392	18.392	V	24	4
Magyaralmás	47.291	18.329	I	0	1
Mór	47.376	18.212	I	0	2
Pátka	47.277	18.494	I	0	1
Pusztavám	47.430	18.235	I	0	1
Sárkeresztes	47.251	18.355	I	0	2
Söréd	47.321	18.286	I	0	1
Vértesboglár	47.430	18.532	I	0	2
Zámoly	47.319	18.412	I	0	2

3.3. táblázat. A 2012.04.06 09:05:17 UTC időpontban keletkezett földrengéshez tartozó EMS intenzitás értékek

2012.12.25 – Szentmargitfalva



3.3. ábra. A 2012.12.25 17:01:36 UTC időpontban keletkezett földrengéshez tartozó EMS intenzitáseloszlás

Helység	$\phi$ ( $^{\circ}$ N)	$\lambda$ ( $^{\circ}$ E)	Intenzitás (EMS)	R (%)	N
Szentmargitfalva	46.499	16.663	IV-V	31	1
Pusztaszentlászló	46.636	16.844	I	0	1
Lispeszentadorján	46.544	16.696	IV	40	1
Bázakerettye	46.528	16.729	IV	43	1

3.4. táblázat. A 2012.12.25 17:01:36 UTC időpontban keletkezett földrengéshez tartozó EMS intenzitáseloszlás

## 4. fejezet

# Regionális és teleszeizmikus földrengések

Ez a fejezet a magyarországi szeizmológia állomások által rögzített regionális, teleszeizmikus, valamint ismeretlen fészekparaméterű földrengések fázis és polaritás adatait tartalmazza. Az adatok listázása hasonlóan történt, mint a lokális földrengések esetében (a rövidítések feloldását lásd a 10. oldalon). A feltüntetett fészekparaméterek forrása az Európai-Mediterrán Szeizmológiai Központ (<http://www.emsc-csem.org/Earthquake/?view=65>).

**January 01 2012 Hour: 03:17:14.0 Lat: 49.88°N Lon: 18.42°E M: 3.3 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPn		0317	52.38											
TRPA	SZ	EPn		0318	09.11											
CSKK	SZ	EPn		0317	56.23											
BUD	XZ	EPn		0317	59.96											
CSKK	SE	Sn		0318	26.43											
PSZ	SE	Sn		0318	19.09											
TRPA	SN	Sn		0318	52.42											
BUD	XN	Sn		0318	26.04											

**January 01 2012 Hour: 05:27:56.0 Lat: 31.48°N Lon: 138.12°E M: 7.0 Depth: 365 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	IP		0539	50.14											
CSKK	SN	IS		0549	37.07											
TRPA	SZ	IP		0539	37.27											
TRPA	SZ	EPP		0541	32.51											
PSZ	SZ	IP		0539	44.49											
PSZ	SZ	EPP		0541	32.51											
BUD	XZ	IP		0539	47.47											
BUD	XZ	EPP		0541	42.35											
BEHE	SZ	EPP		0541	52.19											
PSZ	SN	IS		0549	34.61											
PSZ	SN	ESS		0551	58.50											
TRPA	SN	IS		0549	21.08											
TRPA	SN	ESS		0551	54.81											
BUD	XN	IS		0549	41.99											
BUD	XN	ESS		0552	09.57											
BEHE	SN	IS		0549	48.14											
BEHE	SN	ESS		0552	23.10											



**January 01 2012 Hour: 18:09:03.0 Lat: 4.58°N Lon: 96.38°E M: 5.3 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1821 11.06  
 CSKK SZ EP 1821 04.77  
 PSZ SZ EP 1820 57.67  
 TRPA SZ EP 1820 49.15

**January 01 2012 Hour: 20:00:57.0 Lat: 45.07°N Lon: 23.50°E M: 3.3 Depth: 5 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn 2001 46.61  
 PSZ SZ EPn 2001 58.99  
 PSZ SN Sn 2002 38.64  
 TRPA SE Sn 2002 23.61

**January 01 2012 Hour: 23:57:19.0 Lat: 45.03°N Lon: 23.54°E M: 4.4 Depth: 6 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2358 34.22  
 BUD XZ EPn 2358 24.15  
 CSKK SZ EP 2358 26.38  
 CSKK SZ EPn 2358 26.53  
 PSZ SZ EPn 2358 22.90  
 BUD XN Sn 2359 08.46  
 PSZ SN Sn 2359 00.91  
 BEHE SN Sn 2359 30.40  
 CSKK SN Sn 2359 15.72  
 TRPA SZ EPn 2358 08.91  
 TRPA SN Sn 2358 45.89

**January 02 2012 Hour: 00:17:17.0 Lat: 45.05°N Lon: 23.56°E M: 4.0 Depth: 5 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 0018 23.12  
 BUD XZ EPn C 0018 26.93  
 TRPA SZ EPn 0018 05.62  
 PSZ SZ EPn 0018 17.96  
 PSZ SN Sn 0018 59.01  
 TRPA SN Sn 0018 43.08  
 CSKK SN Sn 0019 10.90  
 BUD XE Sn 0019 05.29  
 BEHE SZ EPn 0018 33.14  
 BEHE SN Sn 0019 30.45

**January 02 2012 Hour: 00:23:53.0 Lat: 45.08°N Lon: 23.56°E M: 4.0 Depth: 12 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EPn 0024 59.59  
 BUD XN Sn 0025 41.15  
 PSZ SN Sn 0025 33.55  
 TRPA SN Sn 0025 19.76  
 CSKK SN Sn 0025 47.27  
 TRPA SZ EPn 0024 41.54  
 TRPA SZ EPg 0024 51.39  
 PSZ SZ EPn 0024 53.20  
 PSZ SZ EPg 0024 59.37  
 CSKK SZ EPn 0024 58.98

CSKK SZ EPg 0025 08.19

**January 02 2012 Hour: 01:08:45.0 Lat: 44.99°N Lon: 23.57°E M: 3.3 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EPn 0109 33.85

PSZ SZ EPn 0109 44.77

PSZ SN Sn 0110 27.12

TRPA SN Sn 0110 08.47

**January 02 2012 Hour: 01:33:40.0 Lat: 44.98°N Lon: 23.56°E M: 3.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPn 0134 46.91

TRPA SZ EPn 0134 29.41

PSZ SN Sn 0135 22.41

TRPA SN Sn 0135 07.09

CSKK SN Sn 0135 35.57

BUD XN Sn D 0135 29.06

PSZ SZ EPn 0134 40.75

BUD XZ EPn 0134 42.26

**January 02 2012 Hour: 01:45:38.0 Lat: 45.07°N Lon: 23.51°E M: 3.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SE Sn 0147 04.50

PSZ SZ EPn 0146 37.30

PSZ SZ EPg 0146 49.34

PSZ SN Sn 0147 19.39

TRPA SZ EPn 0146 28.21

TRPA SZ EPg 0146 38.37

**January 05 2012 Hour: 16:53:39.0 Lat: 27.84°N Lon: 52.03°E M: 4.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 1659 11.72

SOP SZ EP 1659 20.79

**January 06 2012 Hour: 15:37:56.0 Lat: 52.11°N Lon: 17.54°E M: 3.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 1539 02.41

TRPA SZ EPn 1539 11.73

SOP SZ EPn 1539 04.85

SOP SE Sn 1540 12.14

TRPA SN Sn 1540 14.28

PSZ SE Sn 1539 56.89

**January 07 2012 Hour: 18:38:08.0 Lat: 28.60°S Lon: 176.92°W M: 5.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 1858 37.51

PSZ SZ EP 1858 33.55

SOP SZ EP 1858 39.13

TRPA SZ EP 1858 27.32

**January 07 2012 Hour: 20:59:28.0 Lat: 51.55°N Lon: 16.10°E M: 3.4 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EPn 2100 29.73

SOP SN Sn 2101 17.30  
 SOP SN EPg 2101 33.33

**January 07 2012 Hour: 23:00:10.0 Lat: 38.57°N Lon: 21.70°E M: 3.6 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2302 29.88

**January 08 2012 Hour: 22:13:09.0 Lat: 39.43°N Lon: 141.82°E M: 5.2 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 2225 06.42  
 SOP SZ EP 2225 13.24  
 TRPA SZ EP C 2224 58.51

**January 09 2012 Hour: 04:07:16.0 Lat: 10.54°S Lon: 165.20°E M: 6.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0426 30.68  
 SOP SZ IPP 0429 01.54  
 TRPA SZ EP C 0426 23.86  
 TRPA SZ IPP 0428 37.27  
 BEHE SZ EP C 0426 31.46  
 BEHE SZ IPP 0429 07.60  
 BEHE SZ ISS 0447 13.63  
 BUD XZ EP 0426 28.15  
 BUD XZ IPP 0428 55.47  
 BUD XZ IS 0446 39.25  
 PSZ SZ EP C 0426 26.78  
 PSZ SZ IPP 0428 53.45  
 PSZ SZ ISS 0446 39.25  
 SOP SN ISS 0447 05.54  
 TRPA SN ISS 0446 19.02

**January 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPg D 1213 14.59  
 TRPA SN ESg 1213 27.27

**January 10 2012 Hour: 13:23:03.0 Lat: 44.98°N Lon: 18.13°E M: 2.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SN Sn 1323 50.40  
 PSZ SN Sn 1324 36.10  
 PSZ SZ EPn 1323 53.21  
 BEHE SZ EPn 1323 30.92

**January 10 2012 Hour: 13:08:38.0 Lat: 17.40°S Lon: 172.77°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1328 21.85  
 PSZ SZ EP 1328 25.15

**January 10 2012 Hour: 18:25:45.0 Lat: 45.49°N Lon: 26.29°E M: 4.4 Depth: 140 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn D 1826 41.40  
 PSZ SZ EPn 1826 58.90  
 PSZ SN Sn 1827 58.45

TRPA SN Sn 1827 21.51

**January 10 2012 Hour: 18:36:59.0 Lat: 2.49°N Lon: 93.23°E M: 7.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 1848 56.90

BUD XZ EP D 1848 54.51

SOP SE IS 1858 59.26

PSZ SE IS 1858 35.92

CSKK SN IS 1858 49.26

BUD XE IS 1858 39.26

BEHE SE IS 1858 49.26

BEHE SZ EP D 1849 02.06

SOP SZ EP D 1849 02.87

TRPA SZ EP D 1848 41.84

TRPA SN IS 1858 19.25

TRPA SN ESS 1903 15.20

SOP SN ESS 1904 12.10

BUD XN ESS 1904 23.14

PSZ SZ EP D 1848 50.47

PSZ SZ ES 1904 07.01

**January 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg C 0737 08.29

CSKK SN ESg 0737 09.23

**January 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg C 0737 31.15

CSKK SN ESg 0737 32.40

**January 12 2012 Hour: 03:20:47.0 Lat: 37.04°N Lon: 141.05°E M: 5.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP D 0333 13.61

CSKK SZ EP 0333 07.94

PSZ SZ EP C 0333 01.64

SOP SZ EP D 0333 10.46

TRPA SZ EP 0332 53.14

BUD XZ EP 0333 09.83

**January 12 2012 Hour: 22:31:01.0 Lat: 16.55°S Lon: 173.32°W M: 5.3 Depth: 78 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 2250 35.17

**January 13 2012 Hour: 13:26:55.0 Lat: 45.06°N Lon: 23.52°E M: 3.6 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SE Sn 1328 36.57

TRPA SN Sn 1328 20.96

TRPA SZ EPn 1327 44.11

TRPA SZ EPg 1327 53.65

PSZ SZ EPn 1327 54.82

PSZ SZ EPg 1328 01.24

**January 14 2012 Hour: 06:11:43.0 Lat: 52.82°N Lon: 159.59°E M: 5.0 Depth: 41 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0623 08.87  
SOP SZ EP C 0623 21.48  
PSZ SZ EP C 0623 14.88  
CSKK SZ EP 0623 20.72  
BUD XZ EP C 0623 18.74  
BEHE SZ EP 0623 27.26

**January 16 2012 Hour: 11:01:37.0 Lat: 47.84°N Lon: 14.24°E M: 3.2 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SN EPn 1102 06.67  
BEHE SZ EPn 1102 16.27  
SOP SE Sn 1102 26.80  
BEHE SN Sn 1102 44.87

**January 18 2012 Hour: 19:49:08.0 Lat: 38.92°N Lon: 22.45°E M: 3.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 1951 36.99  
PSZ SN Sn 1953 22.59

**January 19 2012 Hour: 06:28:19.0 Lat: 18.11°N Lon: 68.76°W M: 5.1 Depth: 102 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 0639 55.74  
TRPA SZ EP C 0640 05.41

**January 19 2012 Hour: 12:35:51.0 Lat: 36.37°N Lon: 58.95°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1241 53.49  
PSZ SZ EP C 1242 08.56  
CSKK SZ EP 1242 21.76

**January 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0907 49.94  
CSKK SN ESg 0907 55.65

**January 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1002 23.18  
CSKK SZ EP 1002 15.97  
PSZ SZ EP 1002 07.66  
TRPA SZ EP D 1001 49.53

**January 20 2012 Hour: 22:50:52.0 Lat: 4.48°N Lon: 125.34°E M: 5.4 Depth: 44 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 2300 21.73  
BEHE SZ EP 2300 24.53

**January 22 2012 Hour: 21:03:37.0 Lat: 3.64°N Lon: 36.04°E M: 5.1 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 2112 01.54  
TRPA SZ EP D 2111 58.38

CSKK SZ EP C 2112 01.45  
 BUD XZ EP 2112 00.31  
 BEHE SZ EP 2112 03.23  
 SOP SZ EP D 2112 07.53  
 SOP SZ EPP 2113 40.18

**January 23 2012 Hour: 11:45:42.0 Lat: 37.13°N Lon: 141.01°E M: 5.4 Depth: 52 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ IP C 1157 49.00  
 SOP SZ IP C 1157 58.25

**January 23 2012 Hour: 20:54:46.0 Lat: 41.33°N Lon: 20.28°E M: 3.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SN Sn 2057 31.80  
 CSKK SZ EPn 2056 19.31

**January 23 2012 Hour: 20:50:13.0 Lat: 19.57°N Lon: 70.05°W M: 5.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2102 10.80  
 SOP SZ EP 2101 48.53  
 PSZ SZ EP 2102 01.96

**January 24 2012 Hour: 00:52:05.0 Lat: 24.99°S Lon: 178.56°E M: 6.4 Depth: 584 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0111 16.05  
 BUD XZ EP C 0110 54.69  
 CSKK SZ EP 0110 56.21  
 PSZ SZ EP 0110 53.85  
 SOP SZ EP 0110 57.38  
 TRPA SZ EP 0110 50.15

**January 24 2012 Hour: 10:52:21.0 Lat: 42.98°N Lon: 20.63°E M: 3.0 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN Sn 1054 35.62  
 PSZ SZ EPn 1053 38.78

**January 24 2012 Hour: 23:54:46.0 Lat: 45.53°N Lon: 10.96°E M: 4.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2356 02.26  
 BEHE SZ EPg 2356 05.40  
 BUD XZ EPn 2356 20.03  
 BUD XZ EPg 2356 33.10  
 CSKK SZ EPn 2356 06.96  
 CSKK SZ EPg 2356 21.86  
 PSZ SZ EPn 2356 23.69  
 PSZ SZ EPg 2356 35.97  
 SOP SZ EPn 2355 51.55  
 SOP SZ EPg 2356 06.18

**January 25 2012 Hour: 00:46:00.0 Lat: 52.82°N Lon: 167.09°W M: 5.1 Depth: 43 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0058 05.66  
 BUD XZ EP C 0058 06.02

4. fejezet: Regionális és teleszeizmikus földrengések

---

CSKK SZ EP 0058 06.83  
PSZ SZ EP C 0058 03.49  
SOP SZ EP C 0058 04.84  
TRPA SZ EP C 0058 00.86

**January 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0433 34.66  
CSKK SN ESg 0433 36.88

**January 25 2012 Hour: 08:06:37.0 Lat: 44.85°N Lon: 10.54°E M: 4.9 Depth: 33 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 0807 54.65  
SOP SZ EPg 0808 14.40  
PSZ SZ IPn 0808 21.97  
PSZ SZ EPg 0808 53.06  
CSKK SZ IPn 0808 02.40  
CSKK SZ EPg 0808 29.63  
CSKK SN Sn 0809 15.31  
SOP SN Sn 0808 52.28  
SOP SN ESg 0809 23.51  
PSZ SN Sn 0809 41.46  
PSZ SN ESg 0810 32.23  
CSKK SE ESg 0809 49.44

**January 25 2012 Hour: Lat: Lon: M: Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN Sn 1000 39.81  
CSKK SN Sn 1000 51.13  
CSKK SZ EPn 1000 12.82  
BEHE SZ EPn 1000 01.22  
PSZ SZ EPn 1000 06.43  
BEHE SN Sn 1000 29.62

**January 25 2012 Hour: 20:42:55.0 Lat: 38.21°N Lon: 141.69°E M: 5.3 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPn C 2054 51.33  
TRPA SZ EP C 2054 51.33  
SOP SZ EP C 2055 08.03  
PSZ SZ EP C 2054 58.85  
CSKK SZ EP 2055 04.74  
BUD XZ EP 2055 02.45

**January 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0147 27.68  
CSKK SN ISg 0147 28.73

**January 26 2012 Hour: 04:24:59.0 Lat: 36.07°N Lon: 25.07°E M: 5.3 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0427 50.50  
BUD XZ EPn 0427 54.62  
CSKK SZ EPn 0427 56.24

PSZ SZ EPn 0427 57.23  
 TRPA SZ EPn 0427 53.59  
 SOP SZ EPn 0428 00.55

**January 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0759 25.18  
 CSKK SN ISg 0759 26.22

**January 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2058 44.09  
 SOP SZ EPn 2058 48.62  
 BEHE SN Sn 2059 06.97  
 SOP SN Sn 2059 03.34

**January 26 2012 Hour: 22:04:06.0 Lat: 21.70°N Lon: 142.85°E M: 5.4 Depth: 311 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 2216 49.03  
 TRPA SZ EP C 2216 41.62

**January 27 2012 Hour: 00:48:15.0 Lat: 43.57°N Lon: 17.76°E M: 3.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0049 05.82  
 PSZ SZ EPn 0049 24.89  
 BEHE SN Sn 0049 40.73  
 PSZ SN Sn 0050 20.70

**January 27 2012 Hour: 01:33:23.0 Lat: 36.04°N Lon: 25.06°E M: 5.4 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0136 15.31  
 CSKK SZ EP 0136 21.70  
 PSZ SZ EP C 0136 22.32  
 SOP SZ EP 0136 36.54  
 TRPA SZ EP 0136 20.88  
 TRPA SZ Sn 0138 33.16  
 SOP SN Sn 0139 01.69  
 PSZ SN Sn 0138 41.40  
 BUD XZ EP 0136 20.05  
 BUD XZ Sn 0138 39.50  
 BEHE SN Sn 0138 35.06

**January 27 2012 Hour: 14:53:14.0 Lat: 44.48°N Lon: 10.03°E M: 5.0 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 1454 43.21  
 PSZ SZ EPn C 1455 01.31  
 SOP SZ EPn D 1454 31.97  
 TRPA SZ EPn C 1455 25.50  
 BUD XZ EPn 1454 50.45  
 SOP SN Sn 1455 30.26  
 PSZ SN Sn 1456 20.37  
 TRPA SN Sn 1456 58.08  
 BUD XN Sn 1456 02.84



#### 4. fejezet: Regionális és teleszeizmikus földrengések

---

BEHE SN Sn 1455 22.07  
BEHE SZ EPn 1454 26.04  
CSKK SN Sn 1455 50.06

**January 27 2012 Hour: 23:26:49.0 Lat: 41.13°N Lon: 20.21°E M: 3.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN Sn 2329 54.90

**January 28 2012 Hour: 00:22:17.0 Lat: 40.21°N Lon: 142.26°E M: 5.6 Depth: 41 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP C 0034 07.24  
SOP SZ EP C 0034 23.79  
PSZ SZ EP C 0034 14.68  
CSKK SZ EP 0034 20.79  
BEHE SZ EP C 0034 26.79  
TRPA SN ES 0043 56.49  
SOP SN ES 0044 48.43  
BUD XZ EP C 0034 18.13  
BUD XZ ES D 0044 22.15

**January 28 2012 Hour: 17:42:55.0 Lat: 29.22°S Lon: 177.32°W M: 5.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP 1803 10.43  
PSZ SZ EP 1803 17.18  
CSKK SZ EP 1803 21.49  
BEHE SZ EP 1803 02.23  
SOP SZ EP 1803 22.78

**January 29 2012 Hour: 04:14:59.0 Lat: 38.80°N Lon: 43.67°E M: 4.4 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP 0419 15.06  
PSZ SZ EP 0419 32.56  
CSKK SZ EP 0419 38.20  
SOP SZ EP 0419 53.69

**January 30 2012 Hour: 05:11:01.0 Lat: 14.15°S Lon: 75.73°W M: 6.3 Depth: 38 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EPP 0524 39.17  
SOP SZ EPP C 0524 49.40  
PSZ SZ EPP C 0525 00.96  
CSKK SZ EPP 0524 55.68  
BUD XZ EPP 0524 57.00  
BEHE SZ EPP C 0524 50.39  
TRPA SN ESS 0536 05.95  
SOP SN ESS 0536 20.05  
PSZ SE ESS 0535 53.87  
BUD XE ESS 0535 53.87  
BEHE SE ESS 0535 47.83

**January 31 2012 Hour: 05:14:37.0 Lat: 41.29°N Lon: 20.36°E M: 3.6 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 0516 17.53  
PSZ SN Sn 0517 32.88

**January 31 2012 Hour: 07:26:11.0 Lat: 21.98°S Lon: 179.41°W M: 5.2 Depth: 610 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 0744 55.83  
 PSZ SZ EP 0744 53.50  
 SOP SZ EP 0744 57.24

**February 01 2012 Hour: 07:15:28.0 Lat: 3.77°S Lon: 102.09°E M: 5.4 Depth: 75 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 0727 08.14  
 CSKK SZ EP 0727 13.00  
 TRPA SZ EP 0727 00.09  
 BEHE SZ EP C 0727 18.33

**February 02 2012 Hour: 13:34:39.0 Lat: 17.71°S Lon: 167.19°E M: 7.1 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ IP 1354 06.08  
 BEHE SZ EP D 1354 03.88  
 BUD XZ EP D 1353 59.24  
 PSZ SZ IP 1354 00.58  
 PSZ SZ EP C 1353 57.92  
 SOP SZ IP 1354 05.76  
 SOP SZ EP 1353 59.24  
 TRPA SZ IP D 1354 02.20  
 TRPA SZ EP 1353 52.61

**February 03 2012 Hour: 03:46:24.0 Lat: 17.38°S Lon: 167.28°E M: 6.0 Depth: 30 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0405 47.17  
 BUD XZ EP 0405 50.46  
 PSZ SZ EP D 0405 48.20  
 SOP SZ EP C 0405 48.20  
 TRPA SZ EP 0405 41.01  
 CSKK SZ EP 0405 44.91

**February 04 2012 Hour: 04:09:34.0 Lat: 42.35°N Lon: 105.64°E M: 5.5 Depth: 3 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0419 15.13  
 SOP SZ EP 0419 41.62  
 PSZ SZ EP C 0419 26.44  
 CSKK SZ EP 0419 35.87  
 BUD XZ EP C 0419 32.19  
 BEHE SZ EP 0419 44.71

**February 04 2012 Hour: 07:40:13.0 Lat: 20.52°S Lon: 174.00°W M: 5.8 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0800 05.39  
 SOP SZ EP 0800 07.43  
 TRPA SZ EP 0800 02.64  
 CSKK SZ EP 0800 07.16  
 BUD XZ EP 0800 06.54  
 BEHE SZ EP 0800 01.57

**February 04 2012 Hour: 21:50:51.0 Lat: 13.70°N Lon: 57.53°E M: 5.4 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 2159 18.08

**February 04 2012 Hour: 22:43:04.0 Lat: 56.14°S Lon: 141.67°E M: 4.6 Depth: 54 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 2255 36.04  
PSZ SZ EP 2255 41.87

**February 05 2012 Hour: 00:06:01.0 Lat: 18.93°N Lon: 168.94°E M: 6.1 Depth: 162 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 0029 34.25  
PSZ SZ EP 0029 20.59  
SOP SZ EP 0029 22.15

**February 05 2012 Hour: 07:10:16.9 Lat: 41.51°N Lon: 78.87°E M: 5.2 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0717 27.14  
SOP SZ EP C 0718 07.12  
PSZ SZ EP 0717 47.08  
CSKK SZ EP 0717 53.24  
BUD XZ EP 0717 53.24  
BEHE SZ EP 0718 01.15

**February 05 2012 Hour: 16:40:40.0 Lat: 17.94°S Lon: 167.22°E M: 6.1 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP D 1700 08.63  
BEHE SZ EP C 1700 09.77  
CSKK SZ EP 1700 05.85  
PSZ SZ EP 1700 04.38  
SOP SZ EP C 1700 08.63  
TRPA SZ EP D 1700 05.20

**February 05 2012 Hour: 23:50:42.0 Lat: 20.45°S Lon: 177.97°W M: 5.1 Depth: 542 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP D 0009 34.35  
BUD XZ EP 0009 30.69  
CSKK SZ EP C 0009 31.77  
PSZ SZ EP D 0009 29.46  
SOP SZ EP D 0009 32.92  
TRPA SZ EP D 0009 26.37

**February 06 2012 Hour: 03:49:17.0 Lat: 10.06°N Lon: 123.27°E M: 6.7 Depth: 40 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 0402 24.02  
BEHE SE IS 0419 39.11  
BUD XE IS 0419 39.11  
PSZ SE IS 0419 28.77  
SOP SN IS 0420 06.02  
TRPA SE IS 0418 55.65  
BEHE SZ EP C 0402 29.92  
BEHE SZ ES 0414 47.31  
BEHE SZ IP 0406 03.71

BUD XZ EP C 0402 20.39  
 BUD XZ ES 0414 32.82  
 BUD XZ IP 0405 59.57  
 PSZ SZ EP C 0402 18.58  
 PSZ SZ ES 0414 24.54  
 PSZ SZ IP 0405 59.57  
 SOP SZ EP 0402 28.11  
 SOP SZ ES 0414 45.24  
 SOP SZ IP 0406 09.92  
 TRPA SZ EP C 0402 09.96  
 TRPA SZ ES 0414 05.92  
 TRPA SZ IP 0405 36.81

**February 06 2012 Hour: 10:10:26.0 Lat: 9.93°S Lon: 123.11°E M: 6.1 Depth: 50 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1023 24.69

**February 08 2012 Hour: 01:58:43.0 Lat: 29.54°S Lon: 177.33°W M: 5.3 Depth: 55 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0219 03.87  
 TRPA SZ EP D 0218 57.67

**February 08 2012 Hour: 04:28:22.0 Lat: 40.81°N Lon: 20.53°E M: 4.0 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 0430 07.81  
 CSKK SZ EPn 0430 02.85

**February 08 2012 Hour: 12:01:37.0 Lat: 37.91°N Lon: 138.03°E M: 5.4 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1213 30.31  
 SOP SZ EP C 1213 47.94  
 PSZ SZ EP C 1213 38.34  
 CSKK SZ EP 1213 44.63  
 BUD XZ EP 1213 41.82  
 BEHE SZ EP C 1213 51.75

**February 09 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 1648 10.20  
 CSKK SN ISg 1648 10.63

**February 10 2012 Hour: 01:47:33.0 Lat: 17.94°S Lon: 178.52°W M: 6.0 Depth: 570 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0206 16.86  
 BUD XZ EP 0206 13.26  
 CSKK SZ EP C 0206 13.73  
 MORH SZ EP 0206 15.24  
 PSZ SZ EP D 0206 10.96  
 SOP SZ EP D 0206 14.67  
 TRPA SZ EP D 0206 07.56

**February 12 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 0919 59.78  
PSZ SN Sn 0920 12.39

**February 13 2012 Hour: 10:55:12.0 Lat: 9.23°N Lon: 84.10°W M: 5.8 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 1108 20.74  
PSZ SZ IPP 1111 52.96  
SOP SZ EP C 1108 09.90  
SOP SZ IPP 1111 45.61  
BEHE SZ EP C 1108 11.78  
BEHE SZ IPP 1111 42.75  
BEHE SZ ES 1119 06.65  
BUD XZ EP C 1108 17.65  
BUD XZ IPP 1111 57.05  
BUD XZ ES 1119 25.31  
BEHE SN ISS 1125 17.72  
PSZ SN ES 1119 23.24  
PSZ SN ISS 1125 44.66  
SOP SN ES 1118 50.07  
SOP SN ISS 1125 23.93

**February 13 2012 Hour: 21:07:02.0 Lat: 41.14°N Lon: 123.88°W M: 5.7 Depth: 29 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 2119 39.42  
BUD XZ EP 2119 39.64  
CSKK SZ EP 2119 40.08  
PSZ SZ EP 2119 38.76  
SOP SZ EP D 2119 34.89  
TRPA SZ EP D 2119 41.52

**February 14 2012 Hour: 01:34:39.0 Lat: 40.13°N Lon: 24.09°E M: 5.3 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 0136 40.42  
BUD XZ EPn 0136 41.87  
CSKK SZ EPn 0136 41.14  
PSZ SZ EPn 0136 41.87  
SOP SZ EPn 0136 54.04  
BEHE SN Sn 0138 14.97  
BUD XN Sn 0138 12.41  
PSZ SN Sn 0138 16.68  
TRPA SZ EPn 0136 36.21  
TRPA SZ Sn 0138 10.70  
SOP SN Sn 0138 42.69

**February 14 2012 Hour: 03:27:50.0 Lat: 36.26°N Lon: 141.37°E M: 5.4 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP C 0340 04.41  
SOP SZ EP C 0340 13.53  
TRPA SZ EP C 0339 56.99  
CSKK SZ EP 0340 09.97  
BUD XZ EP C 0340 08.27  
BEHE SZ EP C 0340 17.09

**February 14 2012 Hour: 06:21:58.0 Lat: 36.27°N Lon: 141.40°E M: 5.8 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EP		C	0634	16.12										
PSZ	SZ	IPP			0637	24.19										
SOP	SZ	EP		C	0634	25.66										
SOP	SZ	IPP			0637	24.76										
BUD	XZ	EP		C	0634	20.59										
BUD	XZ	IPP			0637	24.76										
BEHE	SZ	EP			0634	08.37										
BEHE	SZ	IPP			0637	02.58										
BEHE	SN	IS			0644	51.63										
BUD	XN	IS			0644	21.27										
PSZ	SN	IS			0644	44.22										
TRPA	SZ	EP		C	0634	08.67										
TRPA	SZ	IPP			0637	08.84										
TRPA	SZ	IS			0644	22.75										
SOP	SE	IS			0644	42.00										

**February 14 2012 Hour: 08:19:57.0 Lat: 10.39°S Lon: 161.12°E M: 6.4 Depth: 60 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP			0839	05.59										
BEHE	SZ	IP			0841	33.07										
PSZ	SZ	EP		D	0839	02.08										
PSZ	SZ	IP			0841	29.18										
SOP	SZ	EP			0839	05.00										
SOP	SZ	IP			0841	24.81										
TRPA	SZ	EP		C	0838	57.80										
TRPA	SZ	IP			0841	08.30										

**February 14 2012 Hour: 10:48:21.0 Lat: 39.27°N Lon: 144.52°E M: 5.1 Depth: 35 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EP		C	1100	28.73										
TRPA	SZ	EP		C	1100	21.77										
SOP	SZ	EP		C	1100	37.71										

**February 14 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	IPg			1658	38.65										
CSKK	SN	ISg			1658	39.21										

**February 14 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPg			1756	17.79										
CSKK	SN	ISg			1756	18.39										

**February 14 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPg		C	1758	30.35										
CSKK	SN	ISg			1758	30.92										

**February 14 2012 Hour: 23:39:16.0 Lat: 0.86°N Lon: 29.23°W M: 5.4 Depth: 4 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP		C	2349	55.72										

CSKK SZ EP 2349 36.76  
 BEHE SZ EP C 2349 28.24  
 BUD XZ EP C 2349 40.50  
 MORH SZ EP C 2349 33.90  
 PSZ SZ EP C 2349 45.72  
 SOP SZ EP C 2349 31.65

**February 15 2012 Hour: 01:49:36.0 Lat: 19.31°S Lon: 177.23°W M: 5.3 Depth: 316 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP D 0208 47.43  
 TRPA SZ EP 0208 40.70  
 PSZ SZ EP 0208 46.48  
 MORH SZ EP 0208 48.17  
 CSKK SZ EP 0208 45.90  
 BUD XZ EP 0208 45.97  
 BEHE SZ EP 0208 49.56

**February 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ IPg 0306 43.37  
 CSKK SN ISg 0306 43.97

**February 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0312 28.44  
 CSKK SN ISg 0312 29.03

**February 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0342 18.79  
 CSKK SN ISg 0342 19.40

**February 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0501 44.02  
 CSKK SN ISg 0501 44.65

**February 15 2012 Hour: 06:28:36.0 Lat: 37.86°N Lon: 141.53°E M: 5.0 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0640 33.65  
 PSZ SZ EP 0640 41.39

**February 16 2012 Hour: 22:28:53.0 Lat: 50.23°N Lon: 18.85°E M: 2.9 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 2229 40.47  
 SOP SZ EP 2229 41.98  
 PSZ SN Sn 2230 04.46  
 SOP SN Sn 2230 17.10

**February 17 2012 Hour: 15:44:21.0 Lat: 32.43°N Lon: 82.82°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1552 56.22  
 SOP SZ EP 1553 26.79

CSKK SZ EP 1553 35.84

**February 17 2012 Hour: 15:44:21.0 Lat: 32.43°N Lon: 82.82°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 1553 27.33

**February 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0616 14.92

CSKK SE ESg 0616 16.33

**February 18 2012 Hour: 19:15:21.0 Lat: 20.28°S Lon: 173.44°W M: 5.4 Depth: 26 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 1935 11.85

SOP SZ EP 1935 13.45

TRPA SZ EP D 1935 08.04

CSKK SZ EP 1935 13.57

BUD XZ EP 1935 12.22

BEHE SZ EP 1935 15.41

**February 19 2012 Hour: 05:54:50.0 Lat: 38.76°N Lon: 140.42°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 0607 01.70

TRPA SZ EP D 0606 53.86

SOP SZ EP 0607 10.66

**February 20 2012 Hour: 00:50:02.0 Lat: 38.77°N Lon: 43.19°E M: 4.4 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 0054 39.22

SOP SZ EP 0054 51.66

**February 20 2012 Hour: 02:23:59.0 Lat: 41.48°N Lon: 73.07°E M: 5.0 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP 0230 56.52

SOP SZ EP 0231 31.12

MORH SZ EP 0231 21.67

**February 20 2012 Hour: 02:28:17.0 Lat: 1.86°N Lon: 99.54°E M: 5.2 Depth: 189 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EP D 0240 26.28

PSZ SZ EP 0240 14.87

TRPA SZ EP 0240 06.75

**February 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0121 10.95

CSKK SN ESg 0121 14.73

**February 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SN ESg 0324 32.54

CSKK SZ EPg D 0324 31.95



**February 21 2012 Hour: 13:50:41.0 Lat: 67.68°N Lon: 166.69°W M: 5.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1401 18.65  
 SOP SZ EP D 1401 22.80  
 PSZ SZ EP 1401 20.89  
 CSKK SZ EP 1401 24.93  
 BEHE SZ EP 1401 30.35

**February 22 2012 Hour: 00:07:47.0 Lat: 17.67°S Lon: 178.77°W M: 4.7 Depth: 534 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 0026 31.76  
 PSZ SZ EP 0026 26.52  
 SOP SZ EP 0026 30.54  
 TRPA SZ EP 0026 22.63  
 BUD XZ EP C 0026 28.35

**February 22 2012 Hour: 02:23:18.0 Lat: 37.59°N Lon: 21.65°E M: 4.5 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0225 32.24  
 BUD XZ EPn 0225 37.88  
 MORH SZ EPn 0225 21.96  
 PSZ SZ EPn 0225 43.93  
 BUD XN Sn 0227 31.13  
 BEHE SN Sn 0227 20.25  
 MORH SN Sn 0227 03.12  
 PSZ SE Sn 0227 39.19  
 TRPA SN Sn 0226 09.94

**February 23 2012 Hour: 04:05:32.0 Lat: 20.50°S Lon: 178.62°W M: 5.2 Depth: 564 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0424 11.78  
 SOP SZ EP 0424 18.54  
 PSZ SZ EP 0424 14.94  
 MORH SZ EP 0424 18.92  
 CSKK SZ EP 0424 17.72  
 BUD XZ EP 0424 16.59

**February 23 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0850 09.32  
 CSKK SE ESg 0850 10.14

**February 23 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0850 22.42  
 CSKK SE ESg 0850 23.46

**February 24 2012 Hour: 00:05:09.0 Lat: 43.26°N Lon: 20.96°E M: 2.7 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0006 16.40  
 MORH SZ EPn 0006 02.70  
 PSZ SZ EPn 0006 24.72  
 BEHE SN Sn 0007 09.20

PSZ SN Sn 0007 17.56  
 MORH SN Sn 0006 43.76  
 MORH SN ESg 0007 00.85

**February 24 2012 Hour: 02:40:57.0 Lat: 26.00°S Lon: 177.57°W M: 4.9 Depth: 18 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0300 55.66  
 PSZ SZ EP 0301 16.10

**February 24 2012 Hour: 13:07:12.0 Lat: 38.82°N Lon: 43.59°E M: 4.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1311 40.12

**February 24 2012 Hour: 17:31:37.0 Lat: 42.49°N Lon: 19.23°E M: 4.0 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1732 44.31  
 CSKK SZ EPn 1732 51.85  
 PSZ SZ EPn 1732 57.82  
 CSKK SN Sn 1733 53.94  
 BEHE SN Sn 1733 36.63  
 PSZ SN Sn 1734 02.34

**February 25 2012 Hour: 06:18:18.0 Lat: 49.19°N Lon: 155.97°E M: 5.0 Depth: 157 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0627 05.70  
 PSZ SZ EP 0626 58.84  
 CSKK SZ EP 0627 04.62  
 BUD XZ EP 0627 03.02  
 BEHE SZ EP 0627 14.61  
 MORH SZ EP 0627 12.94  
 TRPA SZ EP 0626 53.07

**February 25 2012 Hour: 06:18:18.0 Lat: 49.19°N Lon: 155.97°E M: 5.0 Depth: 157 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0630 00.92  
 BUD XZ EP 0630 51.36  
 MORH SZ EP 0629 57.77  
 PSZ SZ EP C 0629 49.10  
 SOP SZ EP C 0629 56.12  
 TRPA SZ EP 0629 42.56  
 CSKK SZ EP C 0629 54.58

**February 25 2012 Hour: 16:52:00.0 Lat: 49.15°N Lon: 156.07°E M: 5.1 Depth: 46 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 1703 43.86  
 SOP SZ EP C 1703 51.23

**February 25 2012 Hour: 20:34:35.0 Lat: 38.40°N Lon: 13.49°E M: 4.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 2036 52.98  
 CSKK SN Sn 2038 28.50

**February 26 2012 Hour: 02:34:57.0 Lat: 22.27°N Lon: 120.84°E M: 5.9 Depth: 3 km**

4. fejezet: Regionális és teleszeizmikus földrengések

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EP		0247	16.95											
BEHE	SZ	EP	C	0247	22.51											
BEHE	SZ	EPP		0250	34.18											
BEHE	SZ	ES		0257	46.26											
BUD	XZ	EP	C	0247	13.58											
BUD	XZ	ES		0257	27.76											
MORH	SZ	EP	C	0247	16.95											
MORH	SZ	ES		0257	35.11											
PSZ	SZ	EP		0247	06.83											
PSZ	SZ	EPP		0250	19.00											
PSZ	SZ	ES		0257	20.14											
SOP	SZ	EP	C	0247	21.32											
SOP	SZ	EPP		0250	33.03											
SOP	SZ	ES		0257	40.55											
TRPA	SZ	EP	C	0247	00.48											
TRPA	SZ	EPP		0250	02.81											
TRPA	SZ	ES		0257	01.64											

**February 26 2012 Hour: 05:24:54.0 Lat: 32.44°S Lon: 177.66°W M: 5.8 Depth: 5 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		0541	27.00											
PSZ	SZ	EP		0541	23.57											
SOP	SZ	EP		0541	32.38											
TRPA	SZ	EP		0541	21.18											

**February 26 2012 Hour: 05:24:54.0 Lat: 32.44°S Lon: 177.66°W M: 5.8 Depth: 5 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP	D	0545	26.21											
SOP	SZ	EP	D	0545	39.97											
PSZ	SZ	EP	D	0545	32.76											
MORH	SZ	EP		0545	40.26											
CSKK	SZ	EP		0545	36.84											
BEHE	SZ	EP	C	0545	42.37											

**February 26 2012 Hour: 06:17:19.0 Lat: 51.52°N Lon: 95.99°E M: 6.6 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	IP		0626	02.18											
CSKK	SZ	ESS		0633	08.46											
BEHE	SZ	IP	C	0626	11.37											
BEHE	SZ	EP		0628	03.64											
BEHE	SZ	ESS		0633	10.84											
BEHE	SZ	ES		0636	58.54											
BUD	XZ	IP	C	0625	56.93											
BUD	XZ	EP		0627	47.22											
BUD	XZ	ESS		0633	00.85											
BUD	XZ	ES		0636	26.74											
MORH	SZ	IP	C	0626	04.81											
MORH	SZ	EP		0627	53.79											
MORH	SZ	IS		0633	07.04											
MORH	SZ	ES		0636	42.43											
PSZ	SZ	IP	C	0625	52.33											
PSZ	SZ	EP		0627	38.36											

PSZ	SZ	ESS		0632	42.28
PSZ	SZ	ES		0636	12.69
SOP	SZ	IP	C	0626	08.09
SOP	SZ	EP		0627	58.71
SOP	SZ	ESS		0633	12.24
SOP	SZ	ES		0636	49.87
TRPA	SZ	IP	C	0625	40.19
TRPA	SZ	EP		0627	17.68
TRPA	SZ	ESS		0632	20.87
TRPA	SZ	ES		0635	43.21

**February 26 2012 Hour: 11:07:41.0 Lat: 51.66°N Lon: 95.15°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ	SZ	EP		1116	14.08
SOP	SZ	EP		1116	18.19

**February 26 2012 Hour: 11:52:25.0 Lat: 51.53°N Lon: 16.13°E M: 4.0 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ	SZ	EPn	C	1153	31.15
SOP	SZ	EPn		1153	26.49
SOP	SN	Sn		1154	13.02
PSZ	SN	Sn		1154	19.98
SOP	SE	ESg		1154	30.49
PSZ	SE	ESg		1154	47.09

**February 26 2012 Hour: 11:59:05.0 Lat: 51.76°N Lon: 96.00°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE	SZ	EP	C	1207	58.38
TRPA	SZ	EP	C	1207	25.71
SOP	SZ	EP	C	1207	54.42
PSZ	SZ	EP	C	1207	39.04
MORH	SZ	EP	C	1207	50.81
CSKK	SZ	EP		1207	45.53
BUD	XZ	EP	C	1207	44.57

**February 26 2012 Hour: 16:27:15.0 Lat: 17.98°S Lon: 178.50°W M: 5.0 Depth: 596 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA	SZ	EP	C	1645	47.03
SOP	SZ	EP	C	1645	54.28
PSZ	SZ	EP		1645	51.41
MORH	SZ	EP		1645	56.13
CSKK	SZ	EP		1645	53.94
BUD	XZ	EP		1645	52.79
BEHE	SZ	EP		1645	59.92

**February 26 2012 Hour: 22:37:55.0 Lat: 44.54°N Lon: 6.66°E M: 4.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE	SZ	EPn		2239	44.76
BUD	XZ	EPn		2240	06.75
CSKK	SZ	EPn		2240	02.17
MORH	SZ	EPn		2240	01.95
PSZ	SZ	EPn		2240	17.68
SOP	SZ	EPn		2239	46.77

4. fejezet: Regionális és teleszeizmikus földrengések

---

TRPA SZ EPn 2240 40.22  
SOP SN Sn 2241 09.58  
BEHE SN Sn 2241 06.62  
CSKK SN Sn 2241 33.22  
TRPA SN Sn 2242 45.91

**February 27 2012 Hour: 01:11:47.0 Lat: 23.99°N Lon: 123.31°E M: 5.3 Depth: 27 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0123 50.56  
SOP SZ EP C 0124 10.82  
PSZ SZ EP C 0123 59.87  
MORH SZ EP C 0124 07.84  
CSKK SZ EP 0124 06.32  
BUD XZ EP C 0124 03.58

**February 27 2012 Hour: 05:07:46.0 Lat: 46.96°N Lon: 152.74°E M: 5.4 Depth: 53 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0519 27.68  
SOP SZ EP C 0519 41.90  
PSZ SZ EP C 0519 33.94  
CSKK SZ EP 0519 39.79  
BUD XZ EP C 0519 37.82

**February 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 1502 53.62  
PSZ SN ISg 1502 56.82

**February 27 2012 Hour: 20:12:11.0 Lat: 20.32°S Lon: 178.65°W M: 5.0 Depth: 593 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP 2030 53.77  
CSKK SZ EP 2030 54.40  
PSZ SZ EP D 2030 51.80  
SOP SZ EP D 2030 55.30  
TRPA SZ EP D 2030 48.57

**February 28 2012 Hour: 05:20:47.1 Lat: 36.22°N Lon: 141.27°E M: 5.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0532 59.91  
SOP SZ EP 0533 16.95  
PSZ SZ EP D 0533 07.60  
CSKK SZ EP C 0533 13.54

**February 28 2012 Hour: 05:33:31.0 Lat: 49.33°N Lon: 156.15°E M: 5.2 Depth: 31 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0545 09.47  
SOP SZ EP C 0545 22.29  
PSZ SZ EP C 0545 15.23  
CSKK SZ EP C 0545 21.14

**February 28 2012 Hour: 15:07:35.0 Lat: 28.25°N Lon: 139.34°E M: 5.5 Depth: 502 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1519 17.85

SOP SZ EP D 1519 33.87  
 PSZ SZ EP D 1519 25.35  
 CSKK SZ EP 1519 30.41  
 BUD XZ EP 1519 37.25  
 BEHE SZ EP 1519 37.48

**February 28 2012 Hour: 15:24:21.0 Lat: 49.05°N Lon: 156.19°E M: 5.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1535 59.63  
 SOP SZ EP C 1536 13.27  
 PSZ SZ EP C 1536 06.17  
 CSKK SZ EP 1536 11.60  
 BUD XZ EP C 1536 09.50  
 BEHE SZ EP C 1536 18.37

**February 28 2012 Hour: 22:52:38.0 Lat: 37.27°N Lon: 144.13°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2305 09.17  
 BUD XZ EP 2305 00.38  
 CSKK SZ EP 2304 54.45  
 PSZ SZ EP D 2304 56.90  
 SOP SZ EP D 2305 05.49  
 TRPA SZ EP D 2304 49.13

**February 28 2012 Hour: 23:18:55.0 Lat: 32.53 °N Lon: 47.11°E M: 4.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 2324 22.85

**February 29 2012 Hour: 01:22:50.0 Lat: 49.30°N Lon: 156.25°E M: 5.2 Depth: 27 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP C 0134 42.66  
 PSZ SZ EP 0134 35.04  
 BUD XZ EP 0134 43.69  
 BEHE SZ EP C 0134 48.22

**February 29 2012 Hour: 11:36:35.0 Lat: 49.25°N Lon: 156.17°E M: 5.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1148 29.37  
 TRPA SZ EP C 1148 12.56  
 SOP SZ EP C 1148 26.52  
 PSZ SZ EP C 1148 19.10  
 BUD XZ EP 1148 20.62

**February 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 2139 37.74  
 CSKK SN ESg 2139 39.26

**February 29 2012 Hour: 22:32:34.0 Lat: 36.49°N Lon: 140.46°E M: 5.4 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2244 33.30  
 SOP SZ EP C 2244 49.63  
 PSZ SZ EP C 2244 40.82

CSKK SZ EP 2244 46.96  
BUD XZ EP C 2244 44.58  
BEHE SZ EP C 2244 53.79

**March 01 2012 Hour: 00:15:58.0 Lat: 37.34°N Lon: 144.20°E M: 5.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP C 0028 27.53  
TRPA SZ EP 0028 11.69  
PSZ SZ EP 0028 17.95

**March 01 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ IPg 0821 21.71  
CSKK SE ESg 0821 23.08  
CSKK SE IAML 0821 27.28

**March 01 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1212 12.23  
CSKK SN ISg 1212 13.81  
CSKK SN IAML 1212 14.04

**March 01 2012 Hour: 16:40:15.0 Lat: 49.10°N Lon: 156.15°E M: 5.0 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 1652 01.05  
CSKK SZ EP C 1652 06.69  
SOP SZ EP C 1652 08.16  
TRPA SZ EP 1651 54.96

**March 02 2012 Hour: 10:11:41.0 Lat: 35.29°N Lon: 141.02°E M: 5.2 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 1024 01.39  
SOP SZ EP 1024 10.52  
TRPA SZ EP C 1023 53.48

**March 02 2012 Hour: 12:18:38.0 Lat: 52.73°N Lon: 160.26°E M: 5.0 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 1230 09.37

**March 02 2012 Hour: 13:40:13.0 Lat: 39.79°N Lon: 74.37°E M: 5.1 Depth: 52 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1347 48.51  
TRPA SZ EP 1347 27.38

**March 03 2012 Hour: 01:04:26.0 Lat: 40.81°N Lon: 15.18°E M: 3.6 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0105 51.63  
MORH SZ EPn 0105 53.04  
SOP SZ EPn 0106 06.55  
BEHE SN Sn 0107 00.72  
MORH SN Sn 0107 05.29  
SOP SE Sn 0107 21.29

**March 03 2012 Hour: 12:19:54.0 Lat: 22.14°S Lon: 170.35°E M: 6.6 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ IP C 1239 34.82  
 PSZ SZ IP C 1239 32.52  
 SOP SZ IP 1239 37.50  
 TRPA SZ IP 1239 26.95

**March 03 2012 Hour: 12:19:54.0 Lat: 22.14°S Lon: 170.35°E M: 6.6 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 1239 37.06

**March 03 2012 Hour: 12:19:54.0 Lat: 22.14°S Lon: 170.35°E M: 6.6 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ IP C 1239 33.13

**March 03 2012 Hour: 17:00:12.0 Lat: 22.19°S Lon: 170.38°E M: 4.8 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1719 49.25  
 CSKK SZ EP 1719 53.31

**March 03 2012 Hour: 18:29:28.0 Lat: 27.11°N Lon: 136.22°E M: 5.3 Depth: 33 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP D 1842 09.49  
 CSKK SZ EP 1842 13.94

**March 03 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 2348 38.08  
 CSKK SN ESg 2348 40.11  
 CSKK SN IAML 2348 41.25

**March 04 2012 Hour: 00:51:39.0 Lat: 17.83°S Lon: 178.58°W M: 5.4 Depth: 565 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP D 0110 17.28  
 SOP SZ IP D 0110 20.82  
 TRPA SZ IP D 0110 13.68  
 CSKK SZ IP C 0110 19.94

**March 04 2012 Hour: 00:51:39.0 Lat: 17.83°S Lon: 178.58°W M: 5.4 Depth: 565 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP D 0110 19.12

**March 04 2012 Hour: 03:31:08.0 Lat: 40.13°N Lon: 24.06°E M: 5.2 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 0333 10.06  
 PSZ SZ EPn 0333 11.14  
 SOP SZ EPn 0333 23.13  
 TRPA SZ EPn 0333 10.60  
 CSKK SN ISg 0335 42.12  
 PSZ SN ISg 0335 42.12  
 PSZ SN Sn 0334 44.36  
 SOP SN Sn 0335 08.55  
 TRPA SN ISg 0335 32.28



TRPA SN Sn 0334 39.42

**March 04 2012 Hour: 03:31:08.0 Lat: 40.13°N Lon: 24.06°E M: 5.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 0333 07.31

BEHE SE Sn 0334 32.37

BEHE SE ESg 0335 41.27

**March 04 2012 Hour: 03:31:08.0 Lat: 40.13°N Lon: 24.06°E M: 5.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EPn 0333 13.80

BUD XN ESg 0335 38.18

BUD XN Sn 0334 41.46

**March 04 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 0423 12.90

SOP SZ EP 0423 14.34

**March 04 2012 Hour: 09:44:17.0 Lat: 2.73°N Lon: 84.36°W M: 5.5 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP C 0957 50.34

MORH SZ EP D 0957 45.38

**March 04 2012 Hour: 12:49:02.0 Lat: 21.47°S Lon: 169.83°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 1308 39.95

MORH SZ EP C 1308 40.30

PSZ SZ EP C 1308 35.72

SOP SZ EP C 1308 42.18

TRPA SZ EP 1308 36.20

**March 04 2012 Hour: 12:49:02.0 Lat: 21.47°S Lon: 169.83°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 1308 54.56

**March 04 2012 Hour: 12:49:02.0 Lat: 21.47°S Lon: 169.83°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP C 1308 38.05

**March 04 2012 Hour: 23:17:06.0 Lat: 4.43°S Lon: 102.4°E M: 5.5 Depth: 9 55 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 2329 51.43

SOP SZ EP 2330 01.33

TRPA SZ EP C 2329 43.13

CSKK SZ EP C 2329 56.52

**March 04 2012 Hour: 23:17:06.0 Lat: 4.43°S Lon: 102.4°E M: 5.5 Depth: 9 55 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ IP C 2330 01.05

**March 05 2012 Hour: 05:14:18.0 Lat: 21.66°S Lon: 170.49°E M: 5.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP D 0533 54.38  
 PSZ SZ EP 0533 50.31

**March 05 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

**March 05 2012 Hour: 05:14:18.0 Lat: 21.66°S Lon: 170.49°E M: 5.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 0533 51.46

**March 05 2012 Hour: 06:24:25.0 Lat: 35.04°N Lon: 44.09°E M: 4.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 0636 22.80  
 TRPA SZ EP C 0636 15.30

**March 05 2012 Hour: 06:55:28.0 Lat: 4.27°N Lon: 97.03°E M: 5.2 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0707 25.97  
 TRPA SZ EP 0707 17.16

**March 05 2012 Hour: 07:41:05.0 Lat: 28.88°N Lon: 76.94°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 0749 41.88  
 TRPA SZ EP D 0749 28.72

**March 05 2012 Hour: 07:46:08.0 Lat: 28.22°S Lon: 63.29°W M: 6.1 Depth: 540 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 0803 28.57  
 PSZ SZ EP C 0803 50.88  
 TRPA SZ EP D 0803 34.40

**March 05 2012 Hour: 15:15:08.0 Lat: 44.54°N Lon: 9.38°E M: 4.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 1516 43.35  
 SOP SZ EPn 1516 34.00  
 CSKK SN Sn 1518 00.69  
 SOP SN Sn 1517 38.92  
 SOP SN ESg 1518 23.05

**March 06 2012 Hour: 02:52:45.0 Lat: 8.60°N Lon: 93.74°E M: 5.5 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0303 58.68  
 SOP SZ EP 0304 20.67  
 PSZ SZ EP C 0304 15.77

**March 07 2012 Hour: 06:18:10.0 Lat: 25.70°N Lon: 127.23°E M: 5.2 Depth: 38 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0630 34.92  
 PSZ SZ EP 0630 23.06  
 TRPA SZ EP 0630 18.22

**March 07 2012 Hour: 07:19:45.0 Lat: 19.26°S Lon: 175.79°E M: 5.2 Depth: 258 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

4. fejezet: Regionális és teleszeizmikus földrengések

---

MORH SZ IP C 0739 05.43  
PSZ SZ IP C 0739 00.59  
TRPA SZ EP 0738 58.59

**March 07 2012 Hour: 11:42:19.0 Lat: 43.21°N Lon: 17.81°E M: 3.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 1143 11.95  
PSZ SZ EPn 1143 32.05  
CSKK SN Sn 1144 15.86  
PSZ SN Sn 1144 31.22  
SOP SN Sn 1144 21.55  
SOP SZ EPn 1143 28.96  
MORH SN Sn 1143 46.94  
BEHE SN Sn 1143 53.78  
CSKK SZ EPn 1143 23.55  
MORH SZ EPn 1143 06.79  
MORH SZ Sn 1143 46.67

**March 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPg 1439 38.68  
MORH SN ESg 1439 47.21

**March 07 2012 Hour: 20:34:48.0 Lat: 49.90°N Lon: 18.49°E M: 2.9 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 2035 29.59  
PSZ SE ESg 2036 00.42  
MORH SN ESg 2035 58.46  
MORH SZ EPn 2035 45.85

**March 08 2012 Hour: 18:21:38.0 Lat: 32.90°N Lon: 47.01°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1827 17.57  
CSKK SZ EP 1827 13.16  
PSZ SZ EP 1827 05.72  
SOP SZ EP 1827 24.05  
TRPA SN EP 1826 54.69

**March 08 2012 Hour: 18:21:38.0 Lat: 32.90°N Lon: 47.01°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP 1827 10.30

**March 08 2012 Hour: 19:19:24.0 Lat: 50.09°N Lon: 18.47°E M: 3.4 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPn 1920 14.44  
PSZ SZ EPn 1920 07.68  
SOP SZ EPn 1920 09.04  
TRPA SZ EPn 1920 16.70  
BEHE SZ EPn 1920 23.77  
PSZ SN Sn 1920 34.52  
SOP SN Sn 1920 42.04

**March 08 2012 Hour: 22:50:08.0 Lat: 39.44°N Lon: 81.39°E M: 5.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2258 30.56  
 CSKK SZ EP 2258 23.38  
 PSZ SZ EP 2258 12.96  
 SOP SZ EP C 2258 30.56  
 TRPA SZ EP C 2257 59.99

**March 08 2012 Hour: 22:50:08.0 Lat: 39.44°N Lon: 81.39°E M: 5.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP C 2258 18.89

**March 09 2012 Hour: 07:09:53.0 Lat: 19.10°S Lon: 169.71°E M: 6.7 Depth: 29 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0729 24.28  
 CSKK SZ EP 0729 22.02  
 MORH SZ EP 0729 23.31  
 PSZ SZ EP 0729 18.78  
 SOP SZ EP 0729 22.99  
 TRPA SZ EP 0729 20.40

**March 09 2012 Hour: 07:09:53.0 Lat: 19.10°S Lon: 169.71°E M: 6.7 Depth: 29 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 0729 19.12

**March 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0843 49.32  
 CSKK SE ESg 0843 50.97  
 CSKK SE IAML 0843 54.91

**March 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0843 59.71  
 CSKK SE ESg 0844 01.05

**March 09 2012 Hour: 17:25:31.0 Lat: 36.75°N Lon: 140.42°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1737 43.16  
 SOP SZ EP 1737 52.83  
 TRPA SZ EP D 1737 35.40

**March 10 2012 Hour: 14:10:39.0 Lat: 55.19°N Lon: 157.56°W M: 5.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP D 1422 42.48  
 CSKK SZ EP 1422 38.22  
 PSZ SZ EP D 1422 35.17  
 SOP SZ EP D 1422 35.78  
 TRPA SZ EP D 1422 33.72

**March 10 2012 Hour: 14:10:39.0 Lat: 55.19°N Lon: 157.56°W M: 5.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP D 1422 37.37

**March 11 2012 Hour: 05:27:37.0 Lat: 51.53°N Lon: 16.11°E M: 4.2 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPn		0528	44.26											
CSKK	SN	Sn		0529	42.67											
PSZ	SZ	EPn		0528	44.01											
SOP	SZ	EPn		0528	37.52											
BEHE	SZ	EPn		0528	54.40											
TRPA	SZ	EPn		0528	57.43											
PSZ	SN	Sn		0529	36.54											
SOP	SN	Sn		0529	24.42											
SOP	SN	ESg		0529	43.18											
TRPA	SN	Sn		0530	00.79											
TRPA	SN	ESg		0530	38.31											
BEHE	SN	Sn		0529	53.57											
BEHE	SN	ESg		0530	25.10											

**March 12 2012 Hour: 06:06:47.0 Lat: 36.84°N Lon: 73.23°E M: 5.6 Depth: 60 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EP		0614	20.54											
SOP	SZ	EP		0614	33.89											
TRPA	SZ	EP		0614	03.69											
SOP	SE	IS		0621	03.30											

**March 12 2012 Hour: 12:32:48.0 Lat: 45.26°N Lon: 147.67°E M: 5.6 Depth: 126 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	IP	D	1244	37.46											
CSKK	SZ	IP		1244	30.83											
PSZ	SZ	IP	D	1244	24.92											
SOP	SZ	IP	D	1244	33.00											
TRPA	SZ	IP	D	1244	18.06											

**March 12 2012 Hour: 12:32:48.0 Lat: 45.26°N Lon: 147.67°E M: 5.6 Depth: 126 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BUD	XZ	IP	D	1244	29.22											

**March 12 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPg		1253	52.06											
PSZ	SN	ESg		1253	55.39											

**March 14 2012 Hour: 09:08:35.0 Lat: 40.95°N Lon: 144.91°E M: 6.9 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BUD	XZ	EP		0920	44.24											
BUD	XZ	IS		0930	48.54											
BUD	XZ	EPP		0923	44.00											
CSKK	SZ	EP		0920	45.85											
CSKK	SZ	IS		0931	04.39											
CSKK	SZ	EPP		0923	48.64											
MORH	SZ	EP		0920	50.08											
MORH	SZ	IS		0930	50.52											
MORH	SZ	EPP		0923	50.04											
PSZ	SZ	EP		0920	40.82											
PSZ	SZ	IS		0930	30.70											

PSZ	SZ	EPP	0923	35.64
SOP	SZ	EP	0920	47.86
SOP	SZ	IS	0930	56.47
SOP	SZ	EPP	0923	50.04
TRPA	SZ	EP	0920	31.97
TRPA	SZ	IS	0930	24.76
TRPA	SZ	EPP	0923	28.67

**March 14 2012 Hour: 10:49:24.0 Lat: 40.83°N Lon: 144.81°E M: 6.0 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP	D	1101	43.15											
BUD	XZ	EP		1101	34.27											
CSKK	SZ	EP		1101	36.21											
MORH	SZ	EP		1101	39.74											
PSZ	SZ	EP		1101	30.86											
SOP	SZ	EP	D	1101	39.26											
TRPA	SZ	EP		1101	23.06											

**March 14 2012 Hour: 10:57:39.0 Lat: 40.77°N Lon: 144.84°E M: 5.8 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP	D	1109	37.91											
SOP	SZ	EP	D	1109	53.77											
PSZ	SZ	EP		1109	44.91											
MORH	SZ	EP	D	1109	54.21											
CSKK	SZ	EP		1109	51.48											
BUD	XZ	EP		1109	48.74											
BEHE	SZ	EP	D	1109	57.27											

**March 14 2012 Hour: 11:40:17.0 Lat: 41.00°N Lon: 144.83°E M: 5.5 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP	C	1152	35.35											
CSKK	SZ	EP	D	1152	32.20											
MORH	SZ	EP	C	1152	32.41											
PSZ	SZ	EP	C	1152	22.55											
TRPA	SZ	EP	C	1152	14.79											
SOP	SZ	EP	C	1152	31.36											

**March 14 2012 Hour: 12:05:04.0 Lat: 35.71°N Lon: 140.74°E M: 6.0 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP	D	1217	34.97											
CSKK	SZ	EP		1217	29.25											
MORH	SZ	EP	D	1217	31.04											
PSZ	SZ	EP		1217	22.00											
SOP	SZ	EP		1217	31.48											
TRPA	SZ	EP	D	1217	14.84											

**March 14 2012 Hour: 21:13:11.0 Lat: 5.60°S Lon: 151.07°E M: 6.2 Depth: 46 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP	C	2132	00.27											
PSZ	SZ	EP		2131	55.97											
SOP	SZ	EP		2132	04.57											

**March 14 2012 Hour: 21:38:52.0 Lat: 35.57°N Lon: 141.65°E M: 5.3 Depth: 10 km**

4. fejezet: Regionális és teleszeizmikus földrengések

---

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 2151 21.04  
PSZ SZ EP 2151 14.68  
SOP SZ EP 2151 23.16

**March 15 2012 Hour: 01:08:25.0 Lat: 43.17°N Lon: 17.77°E M: 3.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SE Sn 0109 53.99  
MORH SZ EPn 0109 12.93  
MORH SZ EPg 0109 22.34

**March 15 2012 Hour: 03:29:06.0 Lat: 42.83°N Lon: 13.18°E M: 3.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 0330 26.47  
MORH SN Sn 0331 57.06  
SOP SN Sn 0331 29.91  
PSZ SZ EPn 0330 48.72  
MORH SZ EPn 0330 24.28  
BEHE SZ EPn 0330 14.57  
BEHE SN Sn 0331 03.88  
PSZ SN Sn 0332 06.00

**March 15 2012 Hour: 05:40:58.0 Lat: 38.69°N Lon: 21.30°E M: 4.1 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0542 49.65  
PSZ SZ EPn 0543 13.85  
PSZ SN Sn 0545 00.38  
MORH SN Sn 0544 20.05  
MORH SE ESg 0545 15.42

**March 15 2012 Hour: 19:20:17.0 Lat: 35.86 °N Lon: 139.19°E M: 5.4 Depth: 96 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1932 32.32  
BUD XZ EP 1932 25.21  
CSKK SZ EP D 1932 25.84  
MORH SZ EP C 1932 28.13  
PSZ SZ EP C 1932 19.50  
SOP SZ EP C 1932 29.27  
TRPA SZ EP C 1932 12.13

**March 15 2012 Hour: 23:45:06.0 Lat: 20.77°S Lon: 178.50°W M: 4.9 Depth: 591 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 0003 52.71  
BUD XZ EP 0003 54.47  
BUD XE EP 0003 50.95  
MORH SZ EP 0003 51.83  
PSZ SZ EP 0003 48.61  
SOP SZ EP 0003 52.13  
TRPA SZ EP 0003 45.38

**March 16 2012 Hour: 00:38:06.0 Lat: 49.29°N Lon: 156.09°E M: 5.5 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 0050 03.79

BUD XZ EP C 0049 55.03  
 MORH SZ EP C 0050 01.11  
 CSKK SZ EP C 0049 56.73  
 PSZ SZ EP C 0049 51.62  
 SOP SZ EP C 0049 58.68  
 TRPA SZ EP C 0049 45.54

**March 16 2012 Hour: 17:18:34.0 Lat: 22.51°S Lon: 171.18°E M: 5.5 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1738 08.51  
 PSZ SZ EP 1738 04.52

**March 16 2012 Hour: 18:37:55.0 Lat: 37.84 °N Lon: 133.47°E M: 4.9 Depth: 435 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1848 49.82  
 SOP SZ EP D 1849 08.76  
 PSZ SZ EP D 1848 58.52  
 MORH SZ EP 1849 07.49  
 CSKK SZ EP 1849 04.61  
 BUD XZ EP 1849 02.14  
 BEHE SZ EP 1849 02.00

**March 17 2012 Hour: 15:11:28.0 Lat: 3.76°N Lon: 63.52°E M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1521 16.58

**March 17 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 1559 06.38  
 SOP SZ EP 1559 19.99  
 TRPA SZ EP D 1558 58.82

**March 17 2012 Hour: 17:00:57.0 Lat: 3.88°N Lon: 63.39°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1710 46.03  
 PSZ SZ EP 1710 47.55  
 SOP SZ EP 1710 56.95  
 TRPA SZ EP C 1710 39.36

**March 17 2012 Hour: 17:50:52.0 Lat: 43.44°N Lon: 20.10°E M: 2.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1751 37.83  
 MORH SN Sn 1752 17.09  
 CSKK SZ EPn 1751 54.64  
 SOP SZ EPn 1752 06.35  
 CSKK SN Sn 1752 43.80

**March 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2251 01.17  
 MORH SE Sn 2251 41.25

**March 18 2012 Hour: Lat: Lon: M: Depth:**



STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 2346 12.55  
 CSKK SN ESg 2346 14.88

**March 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0718 10.72  
 CSKK SE ESg 0718 11.76  
 CSKK SE IAML 0718 15.47

**March 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0934 12.50  
 CSKK SE ESg 0934 14.20  
 CSKK SE IAML 0934 15.99

**March 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0934 32.44  
 CSKK SE ESg 0934 33.85  
 CSKK SE IAML 0934 35.75

**March 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1218 31.69  
 CSKK SE ESg 1218 32.12

**March 19 2012 Hour: 23:46:35.0 Lat: 14.56°S Lon: 175.60°W M: 5.7 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0006 15.60  
 BUD XZ EP 0006 09.49  
 CSKK SZ EP 0006 10.74  
 MORH SZ EP 0006 14.46  
 PSZ SZ EP 0006 09.39  
 SOP SZ EP 0006 09.60

**March 20 2012 Hour: 18:02:49.0 Lat: 16.69°N Lon: 98.24°W M: 7.4 Depth: 19 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SN IS 1827 04.59  
 BUD XN IS 1827 31.64  
 CSKK SN IS 1827 04.59  
 PSZ SN IS 1827 23.91  
 SOP SN IS 1826 45.27  
 TRPA SN IS 1827 08.45  
 BEHE SZ EP 1816 08.69  
 BEHE SZ EPP 1819 53.64  
 BUD XZ EP 1816 08.69  
 BUD XZ EPP 1820 01.65  
 CSKK SZ EP 1816 03.14  
 CSKK SZ IPP 1819 58.09  
 PSZ SZ EP 1816 05.92  
 PSZ SZ EPP 1820 02.09  
 SOP SZ EP 1816 04.53

SOP SZ EPP 1819 46.96  
 TRPA SZ EP 1816 16.32  
 TRPA SZ EPP 1820 13.22

**March 20 2012 Hour: 23:51:10.0 Lat: 36.01°N Lon: 24.25°E M: 4.6 Depth: 70 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2353 51.20  
 MORH SZ EPn 2353 41.58  
 MORH SN Sn 2355 49.21  
 BEHE SE Sn 2355 59.09

**March 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1451 08.57  
 PSZ SN ESg 1451 13.74

**March 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 1819 54.81  
 CSKK SN ESg 1819 55.38  
 CSKK SN IAML 1819 55.93

**March 21 2012 Hour: 20:07:00.0 Lat: 50.45°N Lon: 18.85°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2007 43.58  
 PSZ SN Sn 2008 16.99

**March 21 2012 Hour: 22:15:07.0 Lat: 6.24°S Lon: 145.98°E M: 6.6 Depth: 122 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2233 43.98  
 BUD XZ EP D 2233 40.43  
 CSKK SZ EP 2233 41.42  
 MORH SZ EP 2233 42.01  
 PSZ SZ EP D 2233 39.25  
 SOP SZ EP D 2233 43.19  
 TRPA SZ EP D 2233 36.10

**March 22 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1053 47.29

**March 24 2012 Hour: 05:25:38.0 Lat: 32.57°N Lon: 47.05°E M: 4.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0531 03.35  
 PSZ SZ EP 0531 03.35  
 TRPA SZ EP D 0530 51.86

**March 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0808 01.03  
 CSKK SN ESg 0808 02.22  
 CSKK SN IAML 0808 04.19

**March 24 2012 Hour: 23:23:17.0 Lat: 51.56°N Lon: 16.12°E M: 3.9 Depth: 11 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPn		2324	24.38											
MORH	SZ	EPn		2324	41.57											
PSZ	SZ	EPn		2324	24.60											
SOP	SZ	EPn		2324	18.43											
TRPA	SZ	EPn		2324	37.60											
PSZ	SN	Sn		2325	17.22											
MORH	SN	Sn		2325	46.78											
CSKK	SN	Sn		2325	18.41											
SOP	SN	Sn		2325	04.81											
SOP	SN	ESg		2325	24.47											
TRPA	SN	Sn		2325	41.02											
TRPA	SN	ESg		2326	09.10											

**March 25 2012 Hour: 04:46:54.0 Lat: 39.46°N Lon: 20.53°E M: 4.7 Depth: 1 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EPn		0448	46.94											
CSKK	SZ	EPn		0448	50.52											
MORH	SZ	EPn		0448	39.05											
PSZ	SZ	EPn		0448	56.98											
SOP	SZ	EPn		0449	02.00											
TRPA	SZ	EPn		0448	59.85											
TRPA	SN	ESg		0451	42.09											
SOP	SN	ESg		0451	35.31											
BEHE	SN	ESg		0451	01.46											
MORH	SN	ESg		0450	40.69											
MORH	SN	Sn		0449	50.79											

**March 25 2012 Hour: 06:43:50.0 Lat: 20.08°S Lon: 176.36°W M: 4.7 Depth: 263 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		0703	11.69											
PSZ	SZ	EP	D	0703	07.46											
SOP	SZ	EP		0703	10.61											
TRPA	SZ	EP	D	0703	04.73											

**March 25 2012 Hour: 12:28:55.0 Lat: 32.45°N Lon: 47.00°E M: 4.5 Depth: 40 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		1234	20.77											
PSZ	SZ	EP		1234	19.53											

**March 25 2012 Hour: 13:22:41.0 Lat: 37.83°N Lon: 141.59°E M: 5.3 Depth: 56 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EP		1334	45.86											
TRPA	SZ	EP	C	1334	38.28											
MORH	SZ	IP		1334	54.07											

**March 25 2012 Hour: 13:59:23.0 Lat: 18.56°S Lon: 178.80°W M: 5.1 Depth: 515 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP	D	1418	13.94											
BUD	XZ	EP	D	1418	09.81											
CSKK	SZ	EP		1418	04.39											
MORH	SZ	EP	D	1418	12.64											

PSZ SZ EP D 1418 08.29  
 SOP SZ EP D 1418 12.11  
 TRPA SZ EP D 1418 04.77

**March 26 2012 Hour: 00:06:19.0 Lat: 27.69°N Lon: 58.85°E M: 4.8 Depth: 74 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0013 17.83  
 CSKK SZ EP 0013 23.03

**March 26 2012 Hour: 03:00:17.0 Lat: 41.78°N Lon: 19.31°E M: 4.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0301 34.29  
 BUD XZ EPn 0301 39.38  
 CSKK SZ EPn 0301 43.33  
 MORH SZ EPn 0301 28.63  
 PSZ SZ EPn 0301 47.86  
 SOP SN EPn 0301 58.03  
 PSZ SN Sn 0302 57.40  
 SOP SE Sn 0303 03.62  
 TRPA SN Sn 0304 00.15  
 TRPA SZ EPn 0301 53.02  
 TRPA SE Sn 0303 09.50  
 MORH SN Sn 0302 17.82  
 CSKK SN Sn 0302 47.74  
 BUD XN Sn 0302 48.91  
 BEHE SN Sn 0302 31.42

**March 26 2012 Hour: 09:30:17.0 Lat: 66.39°N Lon: 174.62°W M: 5.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0941 02.91  
 MORH SZ EP 0941 12.98  
 CSKK SZ EP 0941 06.99

**March 26 2012 Hour: 10:35:33.0 Lat: 39.24°N Lon: 42.27°E M: 5.1 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 1040 00.95  
 CSKK SZ EP 1040 05.83  
 MORH SZ EP C 1039 58.38  
 PSZ SZ EP C 1039 54.01  
 SOP SZ EP 1040 16.61  
 TRPA SZ EP 1039 37.32  
 PSZ SN ES 1043 15.03  
 MORH SN ES 1043 26.26  
 SOP SN ES 1043 58.92  
 TRPA SN ES 1042 37.14

**March 26 2012 Hour: 16:58:11.0 Lat: 30.08°S Lon: 60.70°E M: 5.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1710 43.87  
 PSZ SZ EP 1710 46.86

**March 27 2012 Hour: 11:00:43.0 Lat: 39.90°N Lon: 142.08°E M: 6.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP	1112 59.09
CSKK SZ EP	1112 52.59
MORH SZ EP	1112 55.69
PSZ SZ EP	1112 46.71
SOP SZ EP	1112 56.31
TRPA SZ EP	1112 38.35
MORH SN ES	1123 00.05
PSZ SN ES	1122 31.88
SOP SN ES	1123 00.05
TRPA SN ES	1122 23.84
CSKK SN ES	1122 31.88
BEHE SN ES	1123 06.09

**March 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg C 0652 33.83
CSKK SE ESg 0652 35.37
CSKK SE AMsg 0652 37.22

**March 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg C 0653 01.12
CSKK SN ESg 0653 03.24

**March 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn 0939 23.62
MORH SN Sn 0939 37.68

**March 28 2012 Hour: 23:09:47.0 Lat: 9.36°S Lon: 113.47°E M: 4.8 Depth: 56 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EP 2318 58.85
CSKK SZ EP 2318 57.54

**March 29 2012 Hour: 00:36:40.0 Lat: 40.88°S Lon: 44.64°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EP 0049 39.04
PSZ SZ EP 0049 44.97
SOP SZ EP 0049 47.00
TRPA SZ EP 0049 43.52

**March 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPg 1156 55.16
PSZ SN ESg 1156 57.91

**March 30 2012 Hour: 04:38:33.0 Lat: 37.62°N Lon: 141.26°E M: 5.2 Depth: 51 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EP 0450 47.06
PSZ SZ EP C 0450 38.29
SOP SZ EP 0450 47.65
TRPA SZ EP C 0450 30.58

**March 30 2012 Hour: 09:38:59.0 Lat: 21.08°S Lon: 178.92°W M: 5.2 Depth: 600 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0957 44.93  
 CSKK SZ EP 0957 42.95  
 MORH SZ EP D 0957 44.68  
 PSZ SZ EP D 0957 40.85  
 SOP SZ EP D 0957 44.06  
 TRPA SZ EP 0957 40.98

**March 30 2012 Hour: 10:55:24.0 Lat: 40.85°N Lon: 144.83°E M: 5.2 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ IP 1107 38.45  
 PSZ SZ EP 1107 29.40

**March 30 2012 Hour: 20:48:33.0 Lat: 42.59°N Lon: 26.33°E M: 4.1 Depth: 3 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 2051 22.34  
 TRPA SZ EP 2051 27.13

**March 31 2012 Hour: 04:16:56.0 Lat: 36.62°N Lon: 71.33°E M: 4.9 Depth: 231 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0424 19.82  
 BUD XZ EP 0424 13.55  
 CSKK SZ EP 0424 10.25  
 MORH SZ EP 0424 09.04  
 PSZ SZ EP 0424 01.56  
 SOP SZ EP 0424 19.38  
 TRPA SZ EP 0423 46.50

**March 31 2012 Hour: 09:04:39.0 Lat: 23.62°S Lon: 179.37°E M: 5.3 Depth: 538 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0923 33.98  
 CSKK SZ EP 0923 32.94  
 MORH SZ EP 0923 34.30  
 PSZ SZ EP 0923 30.54  
 SOP SZ EP 0923 34.14  
 TRPA SZ EP 0923 30.22

**March 31 2012 Hour: 17:06:41.0 Lat: 20.23°S Lon: 175.18°W M: 5.5 Depth: 60 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1726 19.82  
 SOP SZ EP D 1726 25.69  
 PSZ SZ EP 1726 22.53  
 MORH SZ EP D 1726 26.82  
 CSKK SZ EP 1726 25.35  
 BUD XZ EP 1726 24.22  
 BEHE SZ EP 1726 27.72

**April 01 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0319 00.46  
 CSKK SN ESg 0319 06.73  
 CSKK SE ESg 0319 06.96

CSKK SN IAML 0319 10.03

**April 01 2012 Hour: 14:04:26.0 Lat: 37.22°N Lon: 140.99°E M: 5.8 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP C 1416 44.81

CSKK SZ EP 1416 38.05

SOP SZ EP C 1416 41.29

SOP SZ EPP 1419 47.48

PSZ SZ EP C 1416 32.00

PSZ SZ EPP 1419 41.17

MORH SZ EP C 1416 41.01

MORH SZ EPP 1419 48.11

BUD XZ EP C 1416 36.01

BUD XZ EPP 1419 43.50

TRPA SZ EP C 1416 24.61

TRPA SZ EPP 1419 22.89

**April 01 2012 Hour: 19:21:28.0 Lat: 39.82°N Lon: 15.55°E M: 3.9 Depth: 275 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EPn 1923 45.78

BEHE SZ EPn C 1923 05.49

MORH SZ EPn C 1923 06.44

PSZ SZ EPn C 1923 29.90

SOP SZ EPn C 1923 20.84

**April 01 2012 Hour: 22:13:18.0 Lat: 39.20°N Lon: 20.67°E M: 3.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 2215 02.20

**April 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg D 0750 17.57

CSKK SN ESg 0750 19.78

CSKK SE ESg 0750 19.70

CSKK SN IAML 0750 20.34

**April 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0750 58.59

CSKK SN ESg 0751 01.33

CSKK SE ESg 0751 01.31

CSKK SE IAML 0751 04.18

**April 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SE ESg 0751 54.02

CSKK SN ESg 0751 53.89

CSKK SZ EPg 0751 52.70

CSKK SE IAML 0751 55.32

**April 02 2012 Hour: 08:17:02.0 Lat: 16.85°S Lon: 173.52°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 0836 48.47

MORH SZ EP 0836 50.22  
 PSZ SZ EP C 0836 45.35  
 SOP SZ EP 0836 48.60  
 TRPA SZ EP 0836 42.97

**April 02 2012 Hour: 17:36:43.0 Lat: 16.50°N Lon: 98.35°W M: 6.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN IS 1800 45.19  
 PSZ SN IS 1800 47.11  
 MORH SZ EP C 1750 05.75  
 MORH SZ EPP 1753 57.59  
 PSZ SZ EP C 1750 07.01  
 PSZ SZ EPP 1753 59.19

**April 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SN ESg 1849 36.37  
 CSKK SE ESg 1849 36.37  
 CSKK SN IAML 1849 36.99  
 CSKK SZ EPg 1849 34.74

**April 04 2012 Hour: 00:33:00.0 Lat: 37.90°N Lon: 29.48°E M: 4.3 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0035 41.46

**April 06 2012 Hour: 06:42:56.0 Lat: 51.54°N Lon: 16.18°E M: 4.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0644 19.12  
 PSZ SN Sn 0644 55.71  
 MORH SN Sn 0645 21.49  
 CSKK SN Sn 0644 57.27  
 BEHE SN Sn 0645 08.00  
 PSZ SZ EPn C 0644 03.72  
 CSKK SZ EPn 0644 03.46  
 BEHE SZ EPn 0644 14.52

**April 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1049 55.06  
 CSKK SN ESg 1049 56.82  
 CSKK SE ESg 1049 56.76  
 CSKK SN IAML 1049 57.35

**April 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg D 1056 09.46  
 CSKK SN ESg 1056 11.10  
 CSKK SE ESg 1056 11.17  
 CSKK SE IAML 1056 12.18

**April 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1107 33.44



4. fejezet: Regionális és teleszeizmikus földrengések

---

CSKK SN ESg 1107 35.00  
CSKK SE ESg 1107 35.15  
CSKK SE IAML 1107 39.18

**April 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1201 35.00  
CSKK SN ESg 1201 36.28  
CSKK SE ESg 1201 36.55  
CSKK SE IAML 1201 39.46

**April 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1250 55.55  
CSKK SN ESg 1250 57.06  
CSKK SE ESg 1250 57.12  
CSKK SE IAML 1251 01.25

**April 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1741 18.83  
CSKK SN ESg 1741 21.47  
CSKK SE ESg 1741 21.54  
CSKK SN IAML 1741 23.90

**April 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0243 04.78  
CSKK SN ESg 0243 06.38  
CSKK SE ESg 0243 06.59  
CSKK SN IAML 0243 08.96

**April 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0327 12.19  
CSKK SN ESg 0327 15.14  
CSKK SE ESg 0327 15.06  
CSKK SN IAML 0327 17.72

**April 07 2012 Hour: 08:44:47.0 Lat: 20.80°S Lon: 178.11°W M: 4.8 Depth: 537 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 0903 38.89  
SOP SZ EP D 0903 38.56  
TRPA SZ EP D 0903 31.64  
PSZ SZ EP 0903 35.23

**April 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1119 51.73  
CSKK SN ESg 1119 55.04  
CSKK SE ESg 1119 55.34  
CSKK SN IAML 1119 58.85

**April 07 2012 Hour: 11:58:08.0 Lat: 6.81°S Lon: 149.55°E M: 5.7 Depth: 46 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1216 57.98  
 BEHE SZ EP 1217 00.26  
 PSZ SZ EP 1216 55.37  
 SOP SZ EP 1216 59.52

**April 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1703 29.37  
 CSKK SN ESg 1703 30.89  
 CSKK SE ESg 1703 31.11

**April 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 2305 17.67  
 CSKK SN ESg 2305 19.96  
 CSKK SE ESg 2305 20.08

**April 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0809 30.27  
 CSKK SN ESg 0809 31.88  
 CSKK SE ESg 0809 32.00  
 CSKK SE IAML 0809 36.04

**April 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0617 30.99  
 CSKK SN ESg 0617 32.61  
 CSKK SE ESg 0617 32.69  
 CSKK SN IAML 0617 36.45

**April 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 2112 25.19  
 CSKK SN ESg 2112 26.05  
 CSKK SE ESg 2112 26.01  
 CSKK SN IAML 2112 26.24

**April 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0004 33.99  
 CSKK SN ESg 0004 34.80  
 CSKK SE ESg 0004 34.90  
 CSKK SN IAML 0004 35.09

**April 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0005 02.00  
 CSKK SN ESg 0005 02.87  
 CSKK SE ESg 0005 02.86  
 CSKK SN IAML 0005 03.08

**April 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0007 44.37  
 CSKK SN ESg 0007 45.11  
 CSKK SE ESg 0007 45.16

**April 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0221 05.43  
 CSKK SN ESg 0221 06.28  
 CSKK SE ESg 0221 06.39  
 CSKK SN IAML 0221 06.54

**April 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0503 21.14  
 CSKK SN ESg 0503 21.85  
 CSKK SE ESg 0503 21.92  
 CSKK SN IAML 0503 22.18

**April 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0515 36.98  
 CSKK SN ESg 0515 37.80  
 CSKK SE ESg 0515 37.86  
 CSKK SN IAML 0515 38.02

**April 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0631 44.93  
 CSKK SN ESg 0631 45.74  
 CSKK SE ESg 0631 45.80  
 CSKK SN IAML 0631 46.02

**April 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0756 07.41  
 CSKK SN ESg 0756 08.96  
 CSKK SE ESg 0756 08.98  
 CSKK SN IAML 0756 10.28

**April 11 2012 Hour: 20:13:26.0 Lat: 51.57°N Lon: 16.15°E M: 3.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2014 32.16  
 SOP SZ EPn 2014 25.56  
 SOP SN Sn 2015 13.45  
 PSZ SN Sn 2015 27.01

**April 11 2012 Hour: 22:41:48.0 Lat: 43.62°N Lon: 127.55°W M: 6.0 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 2254 20.16  
 PSZ SZ EP 2254 19.39

SOP SZ EP 2254 15.53

**April 11 2012 Hour: 22:41:48.0 Lat: 43.62°N Lon: 127.55°W M: 6.0 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 2312 33.92

CSKK SZ IP 2308 34.22

PSZ SZ EP 2312 22.40

PSZ SZ IP C 2308 37.29

SOP SZ EP 2312 15.48

SOP SZ IP C 2308 28.08

PSZ SN ES 2319 01.32

SOP SN ES 2319 05.35

**April 13 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0829 30.05

CSKK SN ESg 0829 31.21

CSKK SE ESg 0829 31.09

CSKK SN IAML 0829 33.63

**April 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0909 24.01

CSKK SN ESg 0909 25.65

CSKK SE ESg 0909 25.53

CSKK SE IAML 0909 26.90

**April 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0909 54.38

CSKK SN ESg 0909 55.94

CSKK SE ESg 0909 55.89

CSKK SE IAML 0909 56.96

**April 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

**April 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0909 24.22

CSKK SN ESg 0909 25.86

CSKK SE ESg 0909 25.84

CSKK SE IAML 0909 30.47

**April 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0909 54.43

CSKK SN ESg 0909 56.09

CSKK SE ESg 0909 56.09

CSKK SN IAML 0909 59.78

**April 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

#### 4. fejezet: Regionális és teleszeizmikus földrengések

---

CSKK SZ EPg 1405 31.56  
CSKK SN ESg 1405 35.13  
CSKK SE ESg 1405 35.05

**April 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0850 52.21  
CSKK SN ESg 0850 53.10  
CSKK SN IAML 0850 56.01  
CSKK SE ESg 0850 53.23

**April 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0851 03.29  
CSKK SN ESg 0851 04.89  
CSKK SE ESg 0851 05.21  
CSKK SE IAML 0851 09.54

**April 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0856 58.22  
CSKK SN ESg 0856 59.34  
CSKK SE ESg 0856 59.28  
CSKK SN IAML 0857 01.46

**April 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0857 24.98  
CSKK SN ESg 0857 25.57  
CSKK SE ESg 0857 25.98  
CSKK SN IAML 0857 30.99

**April 18 2012 Hour: 17:40:38.0 Lat: 27.88°N Lon: 58.12°E M: 5.2 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 1747 44.23  
CSKK SZ EP 1747 37.30  
MORH SZ EP C 1747 33.41  
PSZ SZ EP D 1747 30.22  
SOP SZ EP C 1747 48.49  
TRPA SZ EP C 1747 17.02

**April 18 2012 Hour: 18:43:01.0 Lat: 32.56°N Lon: 47.03°E M: 5.1 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1848 27.79  
PSZ SZ EP 1848 28.62  
SOP SZ EP 1848 34.57  
TRPA SZ EP 1848 13.68  
CSKK SZ EP 1848 34.98  
BUD XZ EP 1848 32.22  
BEHE SZ EP 1848 43.14

**April 19 2012 Hour: 01:41:32.0 Lat: 84.03°N Lon: 1.36°W M: 4.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 0148 41.06  
 TRPA SZ EP D 0148 38.82  
 MORH SZ EP C 0148 54.41  
 CSKK SZ EP 0148 44.85  
 BEHE SZ EP C 0148 52.55

**April 19 2012 Hour: 03:33:24.0 Lat: 37.05°N Lon: 141.17°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0345 29.12  
 PSZ SZ EP D 0345 36.36  
 MORH SZ EP 0345 51.15  
 CSKK SZ EP 0345 42.40

**April 19 2012 Hour: 19:52:42.0 Lat: 39.11°N Lon: 29.12°E M: 4.7 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1955 13.51  
 MORH SN Sn 1957 12.18

**April 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0010 10.40  
 CSKK SN ESg 0010 11.85

**April 20 2012 Hour: 03:05:46.0 Lat: 32.62°N Lon: 47.01°E M: 4.9 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 0311 19.41  
 MORH SZ EP 0311 12.22  
 PSZ SZ EP 0311 12.52  
 SOP SZ EP 0311 30.94  
 TRPA SZ EP 0310 57.84  
 MORH SN ES 0315 49.56  
 PSZ SE ES 0315 52.10  
 SOP SE ES 0315 44.47  
 TRPA SE ES 0315 15.63

**April 20 2012 Hour: 03:56:29.0 Lat: 32.63°N Lon: 46.89°E M: 4.8 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0401 41.20  
 PSZ SZ EP D 0401 55.39  
 MORH SZ EP 0401 54.85  
 CSKK SZ EP 0402 03.95  
 BUD XZ EP 0401 58.10

**April 20 2012 Hour: 15:37:06.0 Lat: 32.43°N Lon: 47.11°E M: 4.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1542 33.63  
 PSZ SZ EP 1542 34.47  
 TRPA SZ EP 1542 19.58

**April 20 2012 Hour: 16:17:55.0 Lat: 32.57°N Lon: 47.21°E M: 4.7 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1623 19.41  
 PSZ SZ EP 1623 20.64

4. fejezet: Regionális és teleszeizmikus földrengések

---

MORH SN ES 1627 41.51  
MORH SN IS 1627 49.76  
PSZ SN ES 1627 43.52  
PSZ SN IS 1627 53.00

**April 20 2012 Hour: 19:34:09.0 Lat: 3.34°N Lon: 93.84°E M: 5.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 1946 03.22  
MORH SZ EP C 1946 00.54  
PSZ SZ EP C 1945 58.16  
SOP SZ EP C 1946 10.36  
TRPA SZ EP C 1945 48.44

**April 20 2012 Hour: 22:19:45.0 Lat: 3.28°N Lon: 93.81°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 2231 41.90  
BEHE SZ EP C 2231 47.16  
MORH SZ EP C 2231 38.28  
PSZ SZ EP C 2231 35.98  
SOP SZ EP C 2231 48.47  
TRPA SZ EP 2231 26.78

**April 20 2012 Hour: 22:29:01.0 Lat: 3.32°N Lon: 93.88°E M: 5.8 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 2241 00.39  
BUD XZ EP C 2240 53.76  
CSKK SZ EP 2240 53.76  
MORH SZ EP 2240 49.84  
PSZ SZ EP 2240 48.63  
SOP SZ EP 2240 59.18  
TRPA SZ EP 2240 38.99

**April 20 2012 Hour: 23:14:33.0 Lat: 2.22°N Lon: 93.39°E M: 5.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP C 2326 25.93  
CSKK SZ EP 2326 30.01  
MORH SZ IP C 2326 25.93  
PSZ SZ IP C 2326 23.38  
SOP SZ IP C 2326 35.62  
TRPA SZ IP C 2326 14.45  
BEHE SZ IP C 2326 34.09  
TRPA SN ES 2335 49.18  
SOP SN ES 2336 31.46  
PSZ SN ES 2336 09.75  
MORH SN ES 2336 23.57  
BUD XN ES 2336 24.41

**April 21 2012 Hour: 02:39:17.0 Lat: 32.41°N Lon: 47.08°E M: 4.6 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0244 35.79

**April 21 2012 Hour: 05:25:13.0 Lat: 32.46°N Lon: 47.11°E M: 4.9 Depth: 48 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 0530 39.04  
 PSZ SZ EP 0530 39.14  
 MORH SE ES 0535 22.15  
 PSZ SN ES 0535 20.84

**April 21 2012 Hour: 06:13:31.0 Lat: 32.46°N Lon: 47.15°E M: 4.9 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0619 03.24  
 PSZ SZ EP 0619 02.60

**April 21 2012 Hour: 11:04:33.0 Lat: 3.33°N Lon: 93.77°E M: 5.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1116 12.62  
 PSZ SZ EP 1116 22.05  
 MORH SZ EP C 1116 24.46

**April 21 2012 Hour: 12:36:10.0 Lat: 21.82°S Lon: 170.34°E M: 5.2 Depth: 33 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1255 47.39  
 PSZ SZ EP 1255 43.63

**April 21 2012 Hour: 21:48:48.0 Lat: 43.02°N Lon: 17.97°E M: 3.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn C 2149 43.12  
 CSKK SZ EPn 2149 54.02  
 MORH SZ EPn 2149 38.05  
 PSZ SZ EPn 2150 03.22  
 SOP SZ EPn 2149 59.55  
 PSZ SN Sn 2151 05.86  
 SOP SN Sn 2150 57.55  
 MORH SN Sn 2150 19.56  
 CSKK SN Sn 2150 47.77  
 BEHE SN Sn 2150 27.88

**April 21 2012 Hour: 23:47:42.0 Lat: 50.24°N Lon: 18.78°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2348 28.86  
 CSKK SZ EPn 2348 38.82  
 MORH SZ EPn 2348 44.58  
 SOP SZ EPn 2348 39.49  
 SOP SN Sn 2349 05.38  
 MORH SN Sn 2349 32.02  
 CSKK SN Sn 2349 04.38  
 PSZ SN Sn 2348 53.72

**April 21 2012 Hour: 23:27:36.0 Lat: 17.54°S Lon: 179.01°W M: 4.5 Depth: 532 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2346 12.56

**April 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 2351 53.01  
 CSKK SN ESg 2351 54.45



**April 22 2012 Hour: 13:13:52.0 Lat: 43.89°N Lon: 142.71°E M: 5.0 Depth: 180 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 1325 27.36

PSZ SZ EP 1325 19.13

**April 23 2012 Hour: 17:36:21.0 Lat: 28.47°S Lon: 177.30°W M: 6.0 Depth: 113 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 1756 31.72

PSZ SZ EP 1756 31.39

**April 23 2012 Hour: 21:02:35.0 Lat: 51.44°N Lon: 16.10°E M: 3.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 2103 57.58

PSZ SZ EPn D 2103 40.95

SOP SZ EPn 2103 32.81

MORH SN Sn 2105 01.01

PSZ SN Sn 2104 35.09

PSZ SN ESg 2104 55.37

SOP SN Sn 2104 20.16

SOP SN ESg 2104 38.19

**April 23 2012 Hour: 21:21:46.0 Lat: 0.39°N Lon: 125.43°E M: 5.7 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP C 2135 30.51

MORH SZ EP C 2135 30.40

PSZ SZ EP C 2135 25.46

SOP SZ EP 2135 27.30

**April 23 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 2137 23.82

CSKK SE ESg 2137 25.50

CSKK SN ESg 2137 25.35

CSKK SN IAML 2137 27.95

**April 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0600 41.12

CSKK SN ESg 0600 42.90

CSKK SE ESg 0600 42.80

**April 24 2012 Hour: 09:50:59.0 Lat: 5.57°N Lon: 61.44°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 1000 23.21

SOP SZ EP 1000 43.05

PSZ SZ EP 1000 31.09

MORH SZ EP 1000 28.93

CSKK SZ EP 1000 35.93

BEHE SZ EP 1000 39.87

**April 24 2012 Hour: 12:13:22.0 Lat: 42.93°N Lon: 18.47°E M: 2.8 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1214 14.32  
 MORH SN Sn 1214 55.26

**April 24 2012 Hour: 14:57:11.0 Lat: 9.01°N Lon: 93.99°E M: 5.5 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1508 41.67

**April 24 2012 Hour: 15:01:50.0 Lat: 18.26°S Lon: 177.91°W M: 4.6 Depth: 522 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 1520 38.08  
 PSZ SZ EP D 1520 33.71  
 TRPA SZ EP D 1520 30.64

**April 24 2012 Hour: 20:22:09.0 Lat: 35.72°N Lon: 140.48°E M: 5.5 Depth: 36 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 2034 14.76  
 PSZ SZ IP C 2034 22.36  
 MORH SZ IP C 2034 30.94  
 CSKK SZ IP 2034 27.67  
 BUD XZ IP C 2034 25.62  
 BEHE SZ IP 2034 21.67

**April 25 2012 Hour: 03:18:18.0 Lat: 36.51°N Lon: 1.55°E M: 4.7 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0322 43.76  
 PSZ SZ EP 0322 24.80  
 MORH SZ EP C 0322 00.05

**April 25 2012 Hour: 03:23:22.0 Lat: 19.93°S Lon: 175.54°W M: 5.0 Depth: 156 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP D 0342 49.51  
 SOP SZ IP D 0342 55.74  
 PSZ SZ IP D 0342 52.49  
 MORH SZ IP 0342 56.65  
 CSKK SZ IP 0342 54.57  
 BEHE SZ EP 0342 58.60

**April 25 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg C 0741 40.81  
 PSZ SN ESg 0741 47.76

**April 25 2012 Hour: 07:42:24.0 Lat: 9.00°N Lon: 93.97°E M: 5.7 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0753 40.38  
 MORH SZ EP D 0753 54.30  
 PSZ SZ EP D 0753 50.17  
 PSZ SN ES 0803 17.58  
 MORH SN ES 0803 16.61

**April 25 2012 Hour: 10:34:12.0 Lat: 38.40°N Lon: 21.99°E M: 4.4 Depth: 8 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1036 07.61

4. fejezet: Regionális és teleszeizmikus földrengések

---

MORH SZ EPn 1036 10.66  
PSZ SZ EPn 1036 34.25  
BEHE SN Sn 1038 52.68  
MORH SN Sn 1038 49.64  
PSZ SE Sn 1039 43.80

**April 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1124 50.75  
MORH SN Sn 1125 22.93

**April 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1016 52.19  
PSZ SN ESg 1016 55.37

**April 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 1812 19.67  
CSKK SN ESg 1812 21.31  
CSKK SE ESg 1812 21.21  
CSKK SN IAML 1812 25.05

**April 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 1812 19.78  
CSKK SN ESg 1812 21.26

**April 26 2012 Hour: 19:21:43.0 Lat: 2.71°N Lon: 94.50°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 1933 30.88  
SOP SZ IP C 1933 52.24  
PSZ SZ IP 1933 40.62  
MORH SZ IP C 1933 43.27  
CSKK SZ IP 1933 46.18  
BEHE SZ IP C 1933 51.49  
TRPA SN ES 1943 13.66  
SOP SN ES 1943 55.05

**April 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 2137 53.27  
CSKK SN ESg 2137 54.93  
CSKK SE ESg 2137 55.13  
CSKK SN IAML 2137 58.72

**April 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 2137 53.24  
CSKK SN ESg 2137 54.91  
CSKK SE ESg 2137 55.11

**April 26 2012 Hour: 22:05:33.0 Lat: 39.12°N Lon: 29.08°E M: 4.9 Depth: 8 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EPn		2208	01.72											
MORH	SZ	EPn		2208	05.42											
PSZ	SZ	EPn		2208	14.93											
PSZ	SN	Sn		2210	20.13											
MORH	SN	Sn		2210	03.10											
TRPA	SN	Sn		2209	54.02											

**April 27 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPg	C	0636	38.73											
CSKK	SN	ESg		0636	40.22											
CSKK	SE	ESg		0636	40.33											
CSKK	SN	IAML		0636	44.90											

**April 27 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPg	C	0636	56.83											
CSKK	SN	ESg		0636	57.60											
CSKK	SE	ESg		0636	57.44											
CSKK	SN	IAML		0637	02.70											

**April 28 2012 Hour: 03:17:05.0 Lat: 38.53°N Lon: 40.73°E M: 4.7 Depth: 22 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP		0321	00.22											
SOP	SZ	EP		0321	39.78											
MORH	SZ	EP		0321	20.83											
PSZ	SZ	EP		0321	15.98											

**April 28 2012 Hour: 10:08:04.0 Lat: 18.59°S Lon: 174.67°W M: 6.6 Depth: 100 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EP		1027	42.08											
SOP	SZ	EP	D	1027	37.24											
SOP	SZ	IS		1041	03.97											
PSZ	SZ	EP	D	1027	34.93											
PSZ	SZ	ES		1041	15.11											
MORH	SZ	EP		1027	37.89											
MORH	SZ	ES		1041	12.18											
BEHE	SZ	EP		1027	38.63											
BEHE	SZ	ES		1041	19.22											

**April 29 2012 Hour: 03:00:43.0 Lat: 1.96°N Lon: 93.71°E M: 5.0 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP	D	0312	30.82											
SOP	SZ	EP	D	0312	52.22											
PSZ	SZ	EP	D	0312	40.86											
MORH	SZ	EP	D	0312	43.11											
CSKK	SZ	EP		0312	45.77											

**April 29 2012 Hour: 08:09:04.0 Lat: 2.79°N Lon: 94.54°E M: 5.7 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP	D	0821	11.38											
MORH	SZ	EP	D	0821	02.35											

PSZ SZ EP C 0820 59.56  
 TRPA SZ EP C 0820 49.74

**April 29 2012 Hour: 10:28:51.0 Lat: 35.67°N Lon: 140.38°E M: 5.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ IP 1041 09.26  
 TRPA SN IS 1051 01.26  
 SOP SE IS 1051 31.44  
 PSZ SN IS 1051 10.91  
 MORH SE IS 1051 25.40  
 BUD XN IS 1051 18.16  
 BEHE SN IS 1051 38.68  
 PSZ SZ IP C 1041 03.76  
 PSZ SZ EPP 1044 11.75  
 SOP SZ IP C 1041 12.61  
 SOP SZ EPP 1044 25.89  
 TRPA SZ IP C 1040 55.83  
 TRPA SZ EPP D 1044 00.55  
 BUD XZ IP C 1041 06.82  
 BUD XZ EPP 1044 19.01  
 BEHE SZ IP C 1041 15.05  
 BEHE SZ EPP 1044 33.40  
 MORH SZ IP C 1041 11.70  
 MORH SZ EPP 1044 26.01

**April 29 2012 Hour: 15:02:19.0 Lat: 39.85°N Lon: 142.22°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ IP D 1514 34.39  
 BUD XZ IP D 1514 25.59  
 CSKK SZ EP 1514 28.08  
 MORH SZ IP D 1514 31.10  
 PSZ SZ IP D 1514 22.12  
 TRPA SZ IP D 1514 14.64  
 SOP SZ IP D 1514 31.33

**April 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1742 13.15  
 PSZ SN ESg 1742 15.82

**April 30 2012 Hour: 13:07:00.0 Lat: 14.44°N Lon: 93.35°E M: 5.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1318 01.44  
 PSZ SZ EP 1318 06.77

**April 30 2012 Hour: 19:15:28.0 Lat: 20.80°S Lon: 175.64°W M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1935 17.11  
 PSZ SZ EP 1935 13.57  
 SOP SZ EP 1935 02.35

**April 30 2012 Hour: 23:20:38.0 Lat: 20.57°S Lon: 168.78°E M: 4.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 2340 14.14  
SOP SZ EP 2340 14.14

**May 01 2012 Hour: 05:33:49.0 Lat: 25.39°N Lon: 141.27°E M: 5.4 Depth: 111 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 0546 41.82  
PSZ SZ EP D 0546 34.91

**May 01 2012 Hour: 16:38:01.0 Lat: 18.57°N Lon: 100.90°W M: 5.7 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1651 22.53  
PSZ SZ EP D 1651 16.72  
MORH SZ EP 1651 16.72  
MORH SZ ES 1701 47.46  
PSZ SN ES 1701 48.66  
TRPA SN ES 1701 47.86

**May 01 2012 Hour: 22:43:40.0 Lat: 14.50°N Lon: 92.90°W M: 6.0 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 2256 46.89  
MORH SZ EP C 2256 49.06  
PSZ SZ EP C 2256 51.23  
SOP SZ EP C 2256 42.11  
CSKK SN ES 2308 07.12  
MORH SN ES 2307 29.29  
PSZ SN ES 2307 22.41  
SOP SN ES 2307 22.41

**May 02 2012 Hour: 00:02:41.0 Lat: 38.65°N Lon: 26.63°E M: 4.5 Depth: 13 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0005 00.84  
PSZ SZ EPn 0005 11.95  
TRPA SZ EPn 0005 04.42

**May 02 2012 Hour: 00:44:19.0 Lat: 44.80°N Lon: 41.57°E M: 4.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0048 03.92  
PSZ SZ EP 0047 52.57  
TRPA SZ EP 0047 29.23

**May 02 2012 Hour: 06:40:02.0 Lat: 38.67°N Lon: 26.77°E M: 4.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0642 20.80  
MORH SN Sn 0644 36.09

**May 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SN ESg 1031 50.68  
CSKK SZ IPg C 1031 50.01

**May 02 2012 Hour: 12:17:59.0 Lat: 54.60°S Lon: 143.91°E M: 5.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1237 38.47

4. fejezet: Regionális és teleszeizmikus földrendések

---

BUD XZ EP 1237 35.82  
CSKK SZ EP 1237 37.34  
MORH SZ EP 1237 34.19  
PSZ SZ EP 1237 35.70

**May 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 2056 59.63

**May 03 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0731 33.39  
CSKK SE ESg 0731 34.66

**May 03 2012 Hour: 10:09:36.0 Lat: 32.79°N Lon: 47.61°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 1015 18.93  
BUD XZ EP 1015 09.71  
CSKK SZ EP 1015 14.54  
MORH SZ EP C 1015 07.95  
MORH SZ ES 1019 54.17  
PSZ SZ EP C 1015 07.51  
PSZ SZ ES 1019 44.11  
TRPA SZ EP C 1014 52.59  
TRPA SZ ES 1019 05.88  
SOP SZ EP C 1015 24.19  
SOP SZ ES 1020 12.28

**May 03 2012 Hour: 11:10:40.0 Lat: 23.64°S Lon: 179.63°E M: 5.0 Depth: 545 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 1129 26.94  
TRPA SZ EP D 1129 28.82

**May 03 2012 Hour: 11:40:34.0 Lat: 44.37°N Lon: 17.82°E M: 3.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 1141 12.02  
CSKK SZ EPn 1141 22.44  
MORH SZ EPn 1141 07.61  
PSZ SZ EPn 1141 33.73  
BEHE SN Sn 1141 43.79  
MORH SN Sn 1141 33.73  
PSZ SN Sn 1142 16.45  
CSKK SN Sn 1142 00.65

**May 03 2012 Hour: 15:20:26.0 Lat: 39.13°N Lon: 29.10°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 1523 13.95  
BUD XZ EPn 1523 04.96  
CSKK SZ EPn 1523 08.85  
MORH SZ EPn 1522 56.51  
PSZ SZ EPn 1523 04.96  
SOP SZ EPn 1523 24.95  
TRPA SZ EPn 1522 53.42

**May 03 2012 Hour: 21:20:36.0 Lat: 47.01°N Lon: 150.51°E M: 4.9 Depth: 147 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 2132 01.47

PSZ SZ EP 2132 07.95

MORH SZ EP 2132 17.88

CSKK SZ EP 2132 14.01

**May 04 2012 Hour: 02:00:36.0 Lat: 39.11°N Lon: 29.14°E M: 4.4 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn C 0203 07.13

TRPA SZ EPn C 0203 03.57

MORH SN Sn 0205 00.17

TRPA SN Sn 0204 53.57

**May 04 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP D 0540 17.48

TRPA SZ EP D 0540 17.58

**May 04 2012 Hour: 13:20:00.0 Lat: 43.15°N Lon: 22.04°E M: 3.1 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn C 1321 00.13

PSZ SZ EPn 1321 15.36

PSZ SN Sn 1322 11.89

MORH SN Sn 1321 46.79

**May 05 2012 Hour: 15:55:08.0 Lat: 40.18°N Lon: 19.72°E M: 4.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPn 1556 55.97

PSZ SZ EPn 1556 57.59

CSKK SN Sn 1558 16.35

TRPA SZ EPn 1557 05.67

MORH SZ EPn 1556 39.79

PSZ SN Sn 1558 28.69

MORH SN Sn 1557 47.18

TRPA SN Sn 1558 40.34

**May 05 2012 Hour: 17:07:17.0 Lat: 45.68°N Lon: 26.53°E M: 4.0 Depth: 119 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1708 39.19

**May 05 2012 Hour: 20:12:34.0 Lat: 38.25°N Lon: 141.54°E M: 5.2 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 2024 45.03

CSKK SZ EP 2024 42.55

MORH SZ EP C 2024 45.62

PSZ SZ EP C 2024 36.86

SOP SZ EP C 2024 46.06

TRPA SZ EP C 2024 29.56

SOP SN ES 2034 59.61

PSZ SN ES 2034 40.23

TRPA SN IS 2034 32.69



**May 05 2012 Hour: 20:23:32.0 Lat: 21.47°S Lon: 147.26°W M: 5.5 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 2043 20.69  
 PSZ SZ EP 2043 18.68  
 TRPA SZ EP 2043 17.48

**May 05 2012 Hour: 22:04:34.0 Lat: 51.46°N Lon: 16.05°E M: 3.7 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 2205 40.00  
 MORH SZ EPn 2205 55.23  
 PSZ SZ EPn 2205 40.50  
 SOP SZ EPn 2205 34.31  
 TRPA SZ EPn 2205 53.72  
 CSKK SN Sn 2206 33.53  
 MORH SN Sn 2207 02.33  
 PSZ SN Sn 2206 33.53  
 SOP SN Sn 2206 20.30  
 TRPA SN Sn 2206 58.75

**May 05 2012 Hour: 22:14:22.0 Lat: 43.97°N Lon: 16.74°E M: 3.3 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2215 03.10  
 CSKK SZ EPn 2215 17.02  
 MORH SZ EPn 2215 09.34  
 PSZ SZ EPn 2215 29.98  
 SOP SZ EPn 2215 18.94  
 BEHE SN Sn 2215 32.62  
 CSKK SN Sn 2215 59.49  
 MORH SN Sn 2215 45.10  
 SOP SN Sn 2216 02.61  
 PSZ SN Sn 2216 21.09

**May 06 2012 Hour: 05:54:06.0 Lat: 12.69°N Lon: 44.57°W M: 5.0 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0604 31.43  
 TRPA SZ EP 0604 38.52

**May 06 2012 Hour: 19:26:40.0 Lat: 45.46°N Lon: 149.42°E M: 5.1 Depth: 40 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1938 38.27  
 PSZ SZ EP 1938 29.46  
 SOP SZ EP C 1938 37.26

**May 07 2012 Hour: 04:40:27.0 Lat: 41.50°N Lon: 46.67°E M: 5.6 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0445 23.80  
 BUD XZ EP 0446 09.49  
 CSKK SZ EP 0445 14.02  
 MORH SZ EP 0445 10.60  
 PSZ SZ EP 0445 03.03  
 SOP SZ EP 0445 27.22  
 TRPA SZ EP 0444 43.97

MORH SE IS	0448 59.80
SOP SN IS	0449 30.03
TRPA SN IS	0448 12.64
CSKK SN IS	0449 16.73
BEHE SN IS	0449 28.82
PSZ SN ES	0448 46.81
BUD XN IS	0449 59.05
BUD XN ES	0448 57.05

**May 07 2012 Hour: 06:46:57.0 Lat: 15.20°S Lon: 173.49°W M: 5.0 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BUD XZ EP	0706 37.69
MORH SZ EP	0706 36.66
PSZ SZ EP	0706 31.14
SOP SZ EP	0706 34.36

**May 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EPg	C 0755 39.83
CSKK SN ESg	0755 40.53

**May 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EPg	C 0755 49.98
CSKK SE ESg	0755 50.73

**May 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EPg	C 0801 27.44
CSKK SE ESg	0801 28.27

**May 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EPg	C 0801 53.37
CSKK SE ESg	0801 54.21

**May 07 2012 Hour: 14:15:14.0 Lat: 41.62°N Lon: 46.76°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BEHE SZ EP	C 1420 09.84
BUD XZ EP	1419 54.40
CSKK SZ EP	1420 01.55
MORH SZ EP	D 1419 54.40
PSZ SZ EP	D 1419 48.11
SOP SZ EP	1420 12.12
TRPA SZ EP	1419 28.96
BEHE SN ES	1424 03.17
BUD XN ES	1423 52.77
MORH SN ES	1423 48.05
SOP SN ES	1424 35.31
TRPA SN ES	1423 06.46

**May 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
--

4. fejezet: Regionális és teleszeizmikus földrengések

---

CSKK SZ EPg 1516 56.90  
CSKK SN ESg 1516 58.11

**May 08 2012 Hour: 00:32:55.0 Lat: 14.38°S Lon: 167.22°E M: 4.9 Depth: 158 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0052 01.71  
PSZ SZ EP 0051 59.57  
SOP SZ EP 0052 02.01  
TRPA SZ EP 0051 56.36

**May 08 2012 Hour: 07:07:48.8 Lat: 51.19°N Lon: 15.74°E M: 3.5 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0709 07.34  
PSZ SZ EPn 0708 50.58  
SOP SZ EPn 0708 47.19  
SOP SN Sn 0709 42.53  
PSZ SN Sn 0709 51.26  
MORH SE Sn 0710 20.44

**May 08 2012 Hour: 09:16:36.0 Lat: 37.42°N Lon: 144.70°E M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0928 44.01  
PSZ SZ EP D 0928 51.01  
MORH SZ EP 0928 59.23

**May 08 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1535 57.10  
MORH SZ EPn 1535 58.74

**May 08 2012 Hour: 22:23:45.0 Lat: 52.15°N Lon: 165.70°W M: 4.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 2235 55.79  
PSZ SZ EP D 2235 58.90  
SOP SZ EP D 2236 00.74  
MORH SZ EP 2236 02.15  
CSKK SZ EP C 2236 02.71  
BUD XZ EP 2236 08.15  
BEHE SZ EP C 2236 07.24

**May 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1047 37.79  
MORH SZ EPn 1047 40.45

**May 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1108 53.33  
MORH SZ EPn 1108 55.97  
PSZ SN Sn 1109 06.55  
MORH SN Sn 1109 09.75

**May 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn D 1346 03.92  
 MORH SZ EPn 1346 05.25  
 MORH SN Sn 1346 16.36  
 PSZ SN Sn 1346 16.84

**May 09 2012 Hour: 14:49:50.0 Lat: 1.09°S Lon: 13.56°W M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 1459 18.69  
 BEHE SZ IS 1507 03.25  
 BUD XZ EP C 1459 31.12  
 BUD XZ IS 1507 22.67  
 CSKK SZ EP C 1459 27.76  
 CSKK SZ IS 1507 22.67  
 MORH SZ EP C 1459 22.67  
 MORH SZ IS 1507 00.66  
 PSZ SZ EP C 1459 36.09  
 PSZ SZ IS 1507 34.33  
 SOP SZ EP C 1459 24.28  
 SOP SZ IS 1507 07.14  
 TRPA SZ EP C 1459 44.91  
 TRPA SZ IS 1507 44.69

**May 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 1755 13.59

**May 10 2012 Hour: 00:28:21.0 Lat: 39.85°N Lon: 142.10°E M: 5.2 Depth: 37 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0040 14.22  
 SOP SZ EP C 0040 30.49  
 PSZ SZ EP C 0040 21.49  
 MORH SZ EP 0040 30.88  
 CSKK SZ EP C 0040 27.47

**May 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg C 1203 18.33  
 PSZ SN ESg 1203 21.31

**May 10 2012 Hour: 18:21:29.0 Lat: 50.27°N Lon: 18.82°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1822 14.06  
 PSZ SN ESg 1822 45.36

**May 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0643 56.87  
 CSKK SN ESg 0643 59.99

**May 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 0922 53.60

MORH SN ESg 0922 56.18

**May 11 2012 Hour: 10:18:10.0 Lat: 37.75°N Lon: 102.04°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 1028 15.70

PSZ SZ EP C 1028 06.36

**May 11 2012 Hour: 12:41:31.0 Lat: 26.23°N Lon: 92.81°E M: 5.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ IP C 1251 43.32

PSZ SZ IP C 1251 36.57

SOP SZ IP C 1251 51.33

**May 11 2012 Hour: 18:48:30.0 Lat: 34.25°N Lon: 34.17°E M: 5.5 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 1852 22.48

PSZ SZ EP C 1852 29.38

TRPA SZ EP C 1852 17.55

TRPA SN ES 1855 32.61

PSZ SN ES 1855 54.06

MORH SN ES 1855 34.15

**May 11 2012 Hour: 18:48:30.0 Lat: 34.25°N Lon: 34.17°E M: 5.5 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 1852 36.82

SOP SZ EP C 1852 47.27

SOP SZ ES 1856 22.02

MORH SZ EP 1852 21.68

MORH SZ ES 1856 07.07

BUD XZ ES 1855 52.12

BUD XZ EPn 1852 28.46

CSKK SZ EP 1852 33.94

PSZ SZ EP C 1852 29.25

PSZ SZ ES D 1855 56.43

MORH SN ES 1855 45.22

BEHE SN ES 1856 02.11

TRPA SZ EP C 1852 17.72

TRPA SZ ES 1855 33.26

**May 11 2012 Hour: 20:34:26.0 Lat: 30.73°N Lon: 138.76°E M: 5.1 Depth: 400 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP D 2046 20.27

MORH SZ EP D 2046 22.89

PSZ SZ EP D 2046 15.14

TRPA SZ EP D 2046 07.80

**May 12 2012 Hour: 01:34:44.0 Lat: 38.46°N Lon: 89.33°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 0143 47.95

PSZ SZ EP C 0143 38.65

SOP SZ EP C 0143 55.08

**May 12 2012 Hour: 13:23:16.0 Lat: 2.27°N Lon: 126.22°E M: 5.5 Depth: 60 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	IP		D	1336	42.22										
SOP	SZ	EP			1336	52.02										
PSZ	SZ	IP		D	1336	50.53										
BUD	XZ	IP		D	1336	53.26										
MORH	SZ	IP		D	1336	55.86										
BEHE	SZ	EP			1337	00.94										

**May 12 2012 Hour: 22:48:12.0 Lat: 40.58°N Lon: 22.85°E M: 4.0 Depth: 24 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn			2249	47.93										
PSZ	SZ	EPn			2250	04.39										
SOP	SZ	EPn			2250	14.88										

**May 12 2012 Hour: 23:28:42.0 Lat: 38.66°N Lon: 70.42°E M: 5.7 Depth: 4 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP			2336	15.15										
MORH	SZ	EP		D	2336	03.95										
PSZ	SZ	EP		D	2335	55.78										
SOP	SZ	EP		D	2336	15.75										
TRPA	SZ	EP			2335	40.96										
TRPA	SE	ES			2336	59.92										
BUD	XZ	EP			2335	58.51										
BUD	XZ	ES			2341	53.96										
MORH	SN	ESS			2344	46.16										
MORH	SN	EPP		C	2337	29.93										
PSZ	SN	ES			2341	48.83										
PSZ	SN	ESS			2344	28.21										
PSZ	SN	EPP			2337	18.78										
SOP	SN	ESS			2345	14.38										
SOP	SN	EPP			2337	46.65										
TRPA	SN	ES			2341	15.48										
TRPA	SN	ESS			2343	51.57										
TRPA	SN	EPP			2337	00.01										
BUD	XN	ESS			2344	45.06										
BUD	XN	EPP			2337	27.88										
BEHE	SN	ESS			2345	09.25										
BEHE	SN	EPP			2337	44.01										

**May 13 2012 Hour: 01:19:10.0 Lat: 3.23°S Lon: 89.44°E M: 5.4 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		D	0131	16.38										
SOP	SZ	EP		D	0131	26.14										
BEHE	SZ	EP			0131	19.75										

**May 13 2012 Hour: 18:21:14.0 Lat: 27.06°N Lon: 53.95°E M: 5.5 Depth: 15 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP			1827	41.97										
MORH	SZ	EP		D	1827	55.96										

**May 13 2012 Hour: 19:47:22.0 Lat: 47.64°N Lon: 13.62°E M: 2.9 Depth: 5 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
SOP	SZ	EPn			1947	57.62										

4. fejezet: Regionális és teleszeizmikus földrengések

---

SOP SN Sn 1948 25.88  
MORH SZ EPn 1948 21.39  
MORH SN Sn 1949 06.62

**May 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0803 56.89  
CSKK SN ESg 0803 58.09

**May 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0804 12.83  
CSKK SN ESg 0804 15.07

**May 14 2012 Hour: 10:00:40.0 Lat: 17.70°S Lon: 69.66°W M: 6.2 Depth: 104 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP C 1014 14.22

**May 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 2044 52.81  
CSKK SN ESg 2044 53.94  
MORH SN Sn 2045 26.08

**May 15 2012 Hour: 02:15:35.0 Lat: 41.52°N Lon: 20.27°E M: 3.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPn 0217 05.68  
MORH SZ EPn 0216 48.94  
PSZ SZ EPn 0217 07.67  
CSKK SN Sn 0218 15.49  
MORH SN Sn 0217 42.57  
PSZ SN Sn 0218 23.44

**May 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0708 33.91  
CSKK SE ESg 0708 35.14

**May 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0709 10.71  
CSKK SE ESg 0709 12.53

**May 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0711 44.86  
CSKK SE ESg 0711 45.72

**May 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1056 06.24  
PSZ SN ESg 1056 11.92

**May 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2022 22.08  
BEHE SZ EPn 2022 33.86  
CSKK SZ EPn 2022 37.44  
PSZ SZ EPn 2022 47.07  
BEHE SN Sn 2022 50.76  
MORH SN Sn 2022 42.67  
CSKK SN Sn 2023 05.72  
PSZ SN Sn 2023 24.46

**May 16 2012 Hour: 01:28:25.0 Lat: 24.37°S Lon: 175.83°W M: 5.2 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 0148 35.39  
TRPA SZ EP 0148 24.20

**May 16 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0628 56.25  
CSKK SN ESg 0628 57.49

**May 16 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0740 02.76  
CSKK SN ESg 0740 04.14

**May 16 2012 Hour: 21:26:02.0 Lat: 45.94°N Lon: 21.88°E M: 2.8 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2126 38.48  
PSZ SZ EPn 2126 40.81  
MORH SE Sn 2127 09.49  
PSZ SN Sn 2127 07.47

**May 17 2012 Hour: 03:01:15.0 Lat: 43.15°N Lon: 17.15°E M: 3.1 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 0302 31.77  
MORH SZ EPn D 0302 05.25  
MORH SN Sn 0302 45.25  
PSZ SN Sn 0303 30.90

**May 17 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1034 29.18  
PSZ SN ESg 1034 35.50

**May 17 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1244 21.58  
PSZ SN ESg 1244 24.05  
PSZ SE ESg 1244 24.24

**May 17 2012 Hour: 21:22:04.0 Lat: 39.27°N Lon: 20.68°E M: 4.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7



4. fejezet: Regionális és teleszeizmikus földrengések

---

MORH SZ EPn 2123 47.96  
PSZ SZ EPn 2124 06.71  
PSZ SN Sn 2125 41.17  
MORH SN Sn 2125 05.10

**May 17 2012 Hour: 21:40:40.0 Lat: 27.08°N Lon: 53.98°E M: 5.1 Depth: 3 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 2147 22.97

**May 18 2012 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 0801 34.64  
PSZ SN Sn 0801 48.35

**May 18 2012 Hour: 08:18:59.0 Lat: 36.16°N Lon: 139.74°E M: 4.9 Depth: 60 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 0831 05.56

**May 18 2012 Hour: 14:46:35.0 Lat: 41.69°N Lon: 46.89°E M: 4.8 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 1451 21.10  
MORH SZ EP 1451 16.58  
PSZ SZ EP 1451 11.42  
PSZ SN Sn 1454 55.32  
MORH SN Sn 1455 09.56

**May 18 2012 Hour: 20:38:56.0 Lat: 44.99°N Lon: 15.05°E M: 3.3 Depth: 20 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 2039 41.70  
PSZ SZ EPn 2040 02.85  
BEHE SN Sn 2039 57.96  
MORH SN Sn 2040 11.28  
PSZ SN Sn 2040 53.59  
SOP SN Sn 2040 15.39  
BEHE SZ EPn 2039 29.05  
MORH SZ EPn 2039 39.17

**May 18 2012 Hour: 21:23:23.0 Lat: 39.71°N Lon: 143.22°E M: 5.1 Depth: 5 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP C 2135 36.47  
MORH SZ EP C 2135 39.46  
PSZ SZ EP C 2135 30.32  
TRPA SZ EP C 2135 23.07

**May 19 2012 Hour: 00:00:52.0 Lat: 43.93°N Lon: 21.30°E M: 2.5 Depth: 3 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0001 54.73  
MORH SZ EPn 0001 38.95  
BEHE SN Sn 0002 41.59  
MORH SN Sn 0002 17.48

**May 19 2012 Hour: 19:05:20.0 Lat: 39.76°N Lon: 143.19°E M: 5.9 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD	XZ	EP	C	1917	29.49
BEHE	SZ	EP	C	1917	38.91
CSKK	SZ	EP		1917	32.81
MORH	SZ	EP	C	1917	34.62
PSZ	SZ	EP	C	1917	25.75
SOP	SZ	EP	C	1917	34.62
TRPA	SZ	EP	C	1917	18.41
TRPA	SN	ES		1927	08.53
SOP	SE	ES		1927	44.86
PSZ	SE	ES		1927	34.77
MORH	SN	ES	D	1927	38.81
BUD	XE	ES		1927	36.79
BEHE	SN	ES		1927	59.00
CSKK	SE	ES		1927	44.86

**May 19 2012 Hour: 22:28:07.0 Lat: 13.20°N Lon: 43.99°E M: 4.6 Depth: 18 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK	SZ	EP		2235	29.27
MORH	SZ	EP		2235	35.04
SOP	SZ	EP		2235	27.64

**May 19 2012 Hour: 23:13:27.0 Lat: 44.91°N Lon: 11.26°E M: 4.0 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK	SZ	EPn		2314	49.53
SOP	SZ	EPn		2314	36.88
MORH	SE	EPn		2315	08.29
MORH	SZ	EPn		2314	47.78
BUD	XZ	EPn		2314	51.93
MORH	SN	Sn		2315	47.81
SOP	SN	Sn		2315	29.15
PSZ	SN	Sn		2316	22.08
TRPA	SN	Sn		2317	04.93
TRPA	SZ	EPn		2315	30.19
PSZ	SZ	EPn		2315	06.94
CSKK	SN	Sn		2315	52.17
BUD	XN	Sn		2316	02.10
BEHE	SN	Sn		2315	22.41
BEHE	SZ	EPn		2314	31.55

**May 20 2012 Hour: 02:03:53.0 Lat: 44.90°N Lon: 11.24°E M: 6.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE	SZ	EP		0205	06.84
CSKK	SZ	EP		0205	14.46
BUD	XZ	EP		0205	22.45
MORH	SZ	EP		0205	15.19
PSZ	SZ	EP		0205	33.69
SOP	SZ	EP		0205	03.94
TRPA	SZ	EP		0205	56.55
BEHE	SN	Sn		0205	47.27
BEHE	SN	ESg		0206	11.76
BUD	XN	Sn		0206	32.78
BUD	XN	ESg		0207	10.12
MORH	SN	Sn		0206	18.19

4. fejezet: Regionális és teleszeizmikus földrengések

---

MORH SN ESg 0206 49.60  
PSZ SN Sn 0206 49.60  
PSZ SN ESg 0207 34.85  
SOP SN Sn 0205 58.65  
SOP SN ESg 0206 24.12  
TRPA SN Sn 0207 32.87  
TRPA SN ESg 0208 30.67  
CSKK SN ESg 0206 53.46  
CSKK SN Sn 0206 18.48

**May 20 2012 Hour: 02:20:43.0 Lat: 45.00°N Lon: 11.37°E M: 4.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0222 01.23  
SOP SZ EPn 0221 50.48  
SOP SN Sn 0222 38.73  
MORH SE Sn 0223 03.87

**May 20 2012 Hour: 03:02:48.0 Lat: 44.89°N Lon: 11.18°E M: 5.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0303 53.47  
BUD XZ EPn 0304 16.41  
CSKK SZ EPn 0304 11.82  
MORH SZ EPn 0304 18.37  
PSZ SZ EPn 0304 28.85  
SOP SZ EPn 0303 54.78  
TRPA SZ EPn 0304 52.44  
TRPA SN Sn 0306 45.66  
BEHE SN Sn 0304 42.71  
BEHE SN ESg 0305 08.01  
BUD XN Sn 0305 29.24  
BUD XN ESg 0306 06.11  
CSKK SN Sn 0305 14.02  
PSZ SN Sn 0306 31.41  
SOP SN Sn 0305 21.95  
MORH SN Sn 0305 47.15

**May 20 2012 Hour: 03:32:11.7 Lat: 44.87°N Lon: 11.36°E M: 3.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 0333 18.75  
SOP SN Sn 0334 10.34  
MORH SZ EPn 0333 28.99  
MORH SN Sn 0334 35.05  
BEHE SZ EPn 0333 15.69  
BEHE SN Sn 0334 05.95  
BEHE SN ESg 0334 28.44

**May 20 2012 Hour: 04:33:23.0 Lat: 44.79°N Lon: 11.27°E M: 3.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0434 29.63  
SOP SZ EPn 0434 28.43  
MORH SN EPn 0435 39.06  
MORH SN Sn 0435 39.52  
MORH SN ESg 0436 20.70

SOP SN Sn 0435 19.61  
 SOP SN ESg 0435 57.02  
 BEHE SN Sn 0435 19.61  
 BEHE SN ESg 0435 41.23  
 MORH SZ EPn 0434 40.90

**May 20 2012 Hour: 07:20:42.7 Lat: 39.85°N Lon: 143.10°E M: 6.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP C 0732 07.47  
 SOP SN ES 0742 24.41  
 SOP SN EPP 0736 04.15

**May 20 2012 Hour: 07:20:42.7 Lat: 39.85°N Lon: 143.10°E M: 6.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0732 13.33  
 MORH SZ EP 0732 09.11  
 PSZ SZ EP 0732 01.73  
 SOP SZ EP 0732 09.37  
 TRPA SZ EP 0731 53.30  
 BEHE SN ES 0743 22.59  
 BEHE SN EPP 0736 08.34  
 MORH SN ES 0742 32.25  
 MORH SN EPP 0735 56.94  
 PKST SN EPP 0735 49.82  
 PSZ SN ES 0742 24.19  
 PSZ SN EPP 0735 45.54  
 SOP SN ES 0742 22.18  
 SOP SN EPP 0735 46.97  
 TRPA SN ES 0742 36.27  
 TRPA SN EPP 0735 28.44

**May 20 2012 Hour: 08:15:57.0 Lat: 44.97°N Lon: 11.14°E M: 3.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 0817 26.50  
 SOP SZ EPn 0817 04.94  
 SOP SN Sn 0817 59.64  
 PSZ SN Sn 0818 51.19

**May 20 2012 Hour: 08:20:57.0 Lat: 39.67°N Lon: 143.32°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 0833 13.32  
 PSZ SZ EP 0833 03.90  
 SOP SZ EP C 0833 12.85

**May 20 2012 Hour: 08:40:40.7 Lat: 39.54°N Lon: 143.43°E M: 5.0 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 0852 51.81  
 MORH SZ EP 0852 59.44  
 PSZ SZ EP 0852 46.47  
 SOP SZ EP 0852 56.01

**May 20 2012 Hour: 09:13:20.4 Lat: 44.85°N Lon: 11.43°E M: 4.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPn 0914 41.41  
 PSZ SZ EPn 0915 02.52  
 SOP SZ EPn 0914 29.63  
 SOP SN Sn 0915 22.01  
 MORH SZ EPn 0914 38.97  
 MORH SN Sn 0915 42.59  
 PSZ SN Sn 0916 02.39  
 CSKK SN Sn 0915 42.59

**May 20 2012 Hour: 10:12:23.0 Lat: 44.92°N Lon: 11.07°E M: 4.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EPn 1013 31.32  
 PSZ SZ EPn 1014 02.31  
 BEHE SZ EPn 1013 27.07  
 MORH SZ EPn 1013 40.02  
 MORH SN Sn 1014 41.41  
 PSZ SN Sn 1015 14.29  
 SOP SN Sn 1014 25.25  
 BEHE SN Sn 1014 20.98

**May 20 2012 Hour: 10:59:20.0 Lat: 44.89°N Lon: 11.26°E M: 3.6 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EPn 1100 29.27  
 SOP SN Sn 1101 20.60

**May 20 2012 Hour: 12:50:25.0 Lat: 44.87°N Lon: 11.33°E M: 3.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 1252 00.75  
 SOP SN Sn 1252 25.66  
 MORH SN Sn 1252 47.07  
 PSZ SN Sn 1253 24.05  
 SOP SZ EPn 1251 34.35  
 MORH SZ EPn 1251 44.82

**May 20 2012 Hour: 13:18:03.0 Lat: 44.83°N Lon: 11.44°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 1319 06.82  
 BUD XZ EPn 1319 33.25  
 CSKK SZ EPn 1319 25.70  
 MORH SZ EPn 1319 24.67  
 PSZ SZ EPn 1319 41.83  
 SOP SZ EPn 1319 10.94  
 TRPA SZ EPn 1320 05.86  
 TRPA SN Sn 1321 40.85  
 SOP SN Sn 1320 07.12  
 PSZ SN Sn 1320 52.51  
 MORH SN Sn 1320 24.83  
 CSKK SN Sn 1320 27.78  
 BUD XN Sn 1320 41.07  
 BEHE SN Sn 1319 55.31

**May 20 2012 Hour: 14:51:29.0 Lat: 44.89°N Lon: 11.27°E M: 3.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EPn 1452 37.42  
 SOP SN Sn 1453 28.48  
 MORH SZ EPn 1452 47.61  
 MORH SN Sn 1453 48.36

**May 20 2012 Hour: 17:37:14.0 Lat: 44.87°N Lon: 11.31°E M: 4.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1738 22.78  
 CSKK SZ EPn 1738 32.35  
 PSZ SZ EPn 1738 51.49  
 SOP SZ EPn 1738 19.59  
 TRPA SZ EPn 1739 15.43  
 CSKK SN Sn 1739 44.14  
 PSZ SN Sn 1740 08.07  
 TRPA SN Sn 1740 53.37  
 SOP SN Sn 1739 17.39  
 BEHE SN Sn 1739 08.85

**May 20 2012 Hour: 22:22:45.0 Lat: 44.80°N Lon: 11.40°E M: 3.6 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2223 53.36  
 BEHE SZ EPn 2223 49.22  
 BEHE SZ EPg 2224 03.54  
 MORH SZ EPn 2224 05.21  
 SOP SN Sn 2224 47.71  
 SOP SN ESg 2225 16.48  
 MORH SN Sn 2225 00.66  
 MORH SN ESg 2225 39.29  
 BEHE SN Sn 2224 38.51  
 BEHE SN ESg 2225 01.66

**May 20 2012 Hour: 23:04:28.0 Lat: 45.00°N Lon: 11.28°E M: 4.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2305 35.03  
 PSZ SZ EPn 2306 06.27  
 PSZ SN Sn 2307 21.08  
 SOP SN Sn 2306 25.86  
 SOP SN ESg 2306 57.23

**May 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 2322 04.28  
 CSKK SN ESg 2322 05.63

**May 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0030 03.41  
 CSKK SN ESg 0030 04.06

**May 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0047 04.79  
 CSKK SN ESg 0047 06.15

**May 21 2012 Hour: 01:03:04.0 Lat: 44.91°N Lon: 11.19°E M: 3.5 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0104 24.33  
PSZ SZ EPn 0104 44.92  
MORH SN Sn 0105 23.89  
PSZ SN Sn 0105 56.64

**May 21 2012 Hour: 10:17:11.0 Lat: 39.47°N Lon: 143.47°E M: 5.2 Depth: 30 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1029 33.99  
PSZ SZ EP 1029 25.39

**May 21 2012 Hour: 16:37:32.0 Lat: 44.89°N Lon: 11.30°E M: 4.1 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1639 10.46  
PSZ SN Sn 1640 24.00  
MORH SN Sn 1639 53.17  
MORH SZ EPn 1638 49.55

**May 22 2012 Hour: 00:00:33.0 Lat: 42.66°N Lon: 23.01°E M: 5.6 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2401 59.64  
BUD XZ EPn 2402 53.56  
CSKK SZ EPn 2401 58.81  
MORH SZ EPn 2401 43.17  
PSZ SZ EPn 2401 57.58  
TRPA SZ EPn 2401 55.52  
BEHE SN Sn 2403 10.85  
BUD XN Sn 2404 01.48  
CSKK SN Sn 2403 03.44  
MORH SN Sn 2402 55.21  
PSZ SN Sn 2402 59.74  
TRPA SN Sn 2403 28.14

**May 22 2012 Hour: 00:55:57.0 Lat: 42.59°N Lon: 23.05°E M: 3.0 Depth: 13 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0057 08.64  
MORH SN Sn 0058 07.46

**May 22 2012 Hour: 01:30:51.0 Lat: 42.64°N Lon: 23.05°E M: 4.7 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0132 17.46  
BUD XZ EPn 0132 13.79  
CSKK SZ EPn 0132 17.07  
MORH SZ EPn 0132 00.86  
PSZ SZ EPn 0132 14.57  
TRPA SZ EPn 0132 13.02  
PSZ SE Sn 0133 18.27  
CSKK SN Sn 0133 20.78  
BUD XN Sn 0133 18.46  
BEHE SN Sn 0133 24.06  
TRPA SN Sn 0133 22.52

MORH SN Sn 0132 58.46

**May 22 2012 Hour: 02:13:29.0 Lat: 42.60°N Lon: 23.01°E M: 4.2 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 0214 55.71

BUD XZ EPn 0214 55.47

CSKK SZ EPn 0214 54.75

MORH SZ EPn 0214 39.96

PSZ SZ EPn 0214 51.89

TRPA SZ EPn 0214 55.47

BUD XN Sn 0215 57.05

BEHE SN Sn 0216 04.45

CSKK SN Sn 0216 02.54

MORH SN Sn 0215 33.42

PSZ SN Sn 0215 56.81

TRPA SN Sn 0216 00.40

**May 22 2012 Hour: 04:09:58.0 Lat: 42.64°N Lon: 22.99°E M: 3.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn C 0411 10.16

MORH SN Sn 0412 07.61

**May 22 2012 Hour: 04:29:12.0 Lat: 42.64°N Lon: 22.91°E M: 3.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn C 0430 24.00

MORH SN Sn 0431 20.30

**May 22 2012 Hour: 06:11:16.0 Lat: 44.93°N Lon: 11.09°E M: 3.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 0612 36.59

MORH SN Sn 0613 36.00

**May 22 2012 Hour: 17:07:42.0 Lat: 42.64°N Lon: 22.98°E M: 3.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1708 52.01

PSZ SZ EPn 1709 11.28

TRPA SZ EPn 1709 07.36

PSZ SN Sn 1710 10.42

MORH SN Sn 1709 51.06

TRPA SN Sn 1710 08.57

**May 22 2012 Hour: 19:52:35.0 Lat: 42.65°N Lon: 22.94°E M: 2.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn C 1953 47.08

**May 23 2012 Hour: 15:02:27.0 Lat: 41.43°N Lon: 142.01°E M: 6.0 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ IP C 1514 25.66

MORH SZ ES 1525 05.85

PSZ SZ IP C 1514 16.24

PSZ SZ ES 1524 27.61

TRPA SZ IP C 1514 08.83

TRPA SZ ES 1523 53.40



4. fejezet: Regionális és teleszeizmikus földrengések

---

BEHE SZ IP C 1514 29.02  
BEHE SZ ES 1524 59.81  
CSKK SZ IP 1514 22.29  
CSKK SZ ES 1524 21.57  
BUD XZ IP C 1514 19.94  
BUD XZ ES 1523 39.31

**May 23 2012 Hour: 20:26:01.0 Lat: 46.73°N Lon: 152.61°E M: 5.6 Depth: 69 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ IP C 2038 00.85  
BUD XZ IP C 2037 52.27  
CSKK SZ IP 2037 54.11  
MORH SZ IP C 2037 57.79  
PSZ SZ IP C 2037 48.49  
TRPA SZ IP C 2037 42.06  
MORH SN ES 2047 37.91

**May 23 2012 Hour: 21:41:18.0 Lat: 44.86°N Lon: 11.27°E M: 4.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2142 32.70  
BUD XZ EPn 2142 59.44  
CSKK SZ EPn 2142 43.87  
TRPA SZ EPn 2143 22.19  
CSKK SN Sn 2143 41.75  
PSZ SN Sn 2144 09.29  
TRPA SN Sn 2144 37.63  
MORH SZ EPn 2142 37.12  
PSZ SZ EPn 2142 56.92  
MORH SN Sn 2143 42.24  
BUD XN Sn 2143 49.77  
BEHE SN Sn 2143 13.44

**May 23 2012 Hour: 21:59:15.0 Lat: 42.58°N Lon: 23.11°E M: 4.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2200 42.13  
CSKK SZ EPn 2200 43.16  
MORH SZ EPn 2200 23.93  
PSZ SZ EPn 2200 41.71  
TRPA SZ EPn 2200 36.34  
BUD XZ EPn 2200 42.13  
BEHE SN Sn 2201 48.69  
BUD XN Sn 2201 43.53  
CSKK SN Sn 2201 49.11  
MORH SN Sn 2201 20.58  
PSZ SN Sn 2201 43.11  
TRPA SN Sn 2201 44.30

**May 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0605 36.06  
CSKK SN ESg 0605 37.07

**May 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0832 48.37  
 CSKK SN ESg 0832 49.50

**May 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0833 05.56  
 CSKK SE ESg 0833 06.37

**May 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 0930 13.05  
 PSZ SN ESg 0930 18.51

**May 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1000 24.11  
 PSZ SN ESg 1000 32.14

**May 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1044 12.58  
 CSKK SN ESg 1044 14.97

**May 24 2012 Hour: 22:47:45.0 Lat: 73.04°N Lon: 5.77°E M: 6.2 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 2253 20.74  
 CSKK SZ EP 2253 18.29  
 MORH SZ EP 2253 25.15  
 PSZ SZ EP 2253 19.37  
 TRPA SZ EP 2253 20.94  
 BUD XN ES 2258 05.84  
 MORH SN ES 2258 07.91  
 PSZ SN ES 2257 57.57  
 TRPA SN ES 2257 47.22

**May 24 2012 Hour: 22:47:45.0 Lat: 73.04°N Lon: 5.77°E M: 6.2 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2253 29.22  
 BEHE SN ES 2258 09.37

**May 25 2012 Hour: 00:25:54.0 Lat: 72.98°N Lon: 5.45°E M: 4.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 0031 32.00  
 MORH SZ EP 0031 43.00  
 PSZ SZ EP 0031 28.34  
 TRPA SZ EP 0031 28.34

**May 25 2012 Hour: 04:01:34.0 Lat: 72.96°N Lon: 5.61°E M: 5.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0407 11.78  
 PSZ SZ EP 0407 06.54  
 TRPA SZ EP 0407 08.41

4. fejezet: Regionális és teleszeizmikus földrengések

---

MORH SN ES 0412 03.29  
PSZ SE ES 0411 45.06  
TRPA SE ES 0411 44.47

**May 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1015 22.61  
PSZ SN ESg 1015 25.63

**May 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 1032 31.76  
SOP SN Sn 1033 25.33

**May 25 2012 Hour: 10:31:23.0 Lat: 44.88°N Lon: 11.21°E M: 3.9 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 1032 32.06  
SOP SN Sn 1033 24.73

**May 25 2012 Hour: 10:31:23.0 Lat: 44.88°N Lon: 11.21°E M: 3.9 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 1032 26.95  
PSZ SZ EPn 1033 00.41  
MORH SZ EPn 1032 41.90  
MORH SN Sn 1033 52.81  
BEHE SN Sn 1033 19.09  
PSZ SN Sn 1034 18.11

**May 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1123 50.95  
CSKK SN ESg 1123 54.61

**May 25 2012 Hour: 13:14:05.0 Lat: 44.90°N Lon: 11.08°E M: 4.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 1315 08.36  
MORH SZ EPn 1315 26.02  
SOP SZ EPn 1315 15.38  
MORH SN Sn 1316 32.09  
BEHE SN Sn 1316 02.73  
BEHE SN ESg 1316 28.48  
SOP SN Sn 1316 10.69  
SOP SN ESg 1316 34.71

**May 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 2154 14.65  
CSKK SN ESg 2154 17.30

**May 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 2355 50.33  
CSKK SN ESg 2355 50.73

**May 26 2012 Hour: 03:27:02.0 Lat: 85.92°N Lon: 32.70°E M: 5.1 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 0334 37.09  
 PSZ SZ EP 0334 21.60  
 TRPA SZ EP C 0334 20.86

**May 26 2012 Hour: 20:00:28.0 Lat: 27.02°N Lon: 140.19°E M: 4.9 Depth: 504 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 2012 27.64  
 CSKK SZ EP 2012 30.46  
 MORH SZ EP D 2012 32.30  
 PSZ SZ EP D 2012 24.81

**May 26 2012 Hour: 21:48:08.0 Lat: 26.96°N Lon: 140.09°E M: 6.0 Depth: 471 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN ES 2209 54.82  
 PSZ SN ES 2209 50.35  
 SOP SN ES 2209 55.46  
 TRPA SN ES 2209 40.79  
 BUD XN ES 2210 08.85  
 TRPA SZ EPP D 2200 01.91  
 TRPA SZ EP 2203 30.88  
 SOP SZ EPP D 2200 17.38  
 SOP SZ EP 2203 52.32  
 PSZ SZ EPP D 2200 08.67  
 PSZ SZ EP 2203 43.64  
 MORH SZ EPP D 2200 16.57  
 MORH SZ EP 2203 54.36  
 BEHE SZ EPP D 2200 20.28  
 BEHE SZ EP 2203 49.25  
 BUD XZ EPP D 2200 12.38  
 BUD XZ EP 2203 52.83  
 CSKK SZ EPP D 2200 14.15  
 CSKK SZ EP 2203 55.38

**May 27 2012 Hour: 02:55:08.0 Lat: 44.88°N Lon: 11.36°E M: 3.1 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0256 16.70  
 SOP SN Sn 0257 06.52  
 MORH SN Sn 0257 30.19  
 MORH SZ EPn 0256 27.30

**May 27 2012 Hour: 03:50:20.0 Lat: 2.86°S Lon: 100.10°E M: 5.3 Depth: 28 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0402 58.95  
 PSZ SZ EP C 0402 56.05

**May 27 2012 Hour: 07:49:55.0 Lat: 544.94°N Lon: 145.13°E M: 4.9 Depth: 20 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0801 52.20  
 PSZ SZ EP D 0801 59.78  
 MORH SZ EP D 0802 08.27

**May 27 2012 Hour: 18:18:46.0 Lat: 44.90°N Lon: 11.20°E M: 4.1 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 1819 49.37  
CSKK SZ EPn 1820 10.46  
MORH SZ EPn 1820 09.35  
PSZ SZ EPn 1820 24.89  
TRPA SZ EPn 1820 49.32  
CSKK SN Sn 1821 08.19  
PSZ SE Sn 1821 47.05  
TRPA SN Sn 1822 27.02  
BEHE SN Sn 1820 40.58  
MORH SN Sn 1821 11.01

**May 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg D 2020 59.43  
CSKK SN ESg 2021 01.50

**May 27 2012 Hour: 20:25:43.0 Lat: 44.89°N Lon: 11.18°E M: 4.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 2027 01.97  
MORH SZ EPn 2027 06.69  
PSZ SZ EPn 2027 21.12  
SOP SZ EPn 2026 53.92  
SOP SN Sn 2027 46.09  
MORH SN Sn 2028 01.07  
PSZ SN Sn 2028 34.65  
BEHE SN Sn 2027 39.68  
TRPA SN Sn 2029 22.79  
TRPA SZ EPn 2027 45.72

**May 28 2012 Hour: 01:06:28.0 Lat: 39.83°N Lon: 16.10°E M: 4.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 0108 06.38  
CSKK SZ EPn 0108 22.17  
MORH SZ EPn 0108 03.65  
PSZ SZ EPn 0108 30.37  
SOP SZ EPn 0108 21.87  
TRPA SZ EPn 0108 44.95  
SOP SN Sn 0109 49.03  
MORH SN Sn 0109 16.23  
CSKK SN Sn 0109 19.27  
BEHE SN Sn 0109 22.31  
TRPA SN Sn 0110 06.34  
PSZ SN Sn 0110 08.16

**May 28 2012 Hour: 05:07:24.0 Lat: 28.03°S Lon: 63.17°W M: 6.7 Depth: 593 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPP 0524 43.83  
BUD XZ EPP 0524 53.15  
CSKK SZ EPP 0524 50.16  
MORH SZ EPP 0524 49.05

PSZ SZ EPP 0525 00.97  
 SOP SZ EPP 0524 43.08  
 TRPA SZ EPP 0525 11.78

**May 28 2012 Hour: 15:44:12.0 Lat: 37.99°N Lon: 21.55°E M: 4.5 Depth: 16 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 1546 14.84  
 PSZ SZ EPn 1546 36.63  
 TRPA SZ EPn 1546 39.98  
 PSZ SN Sn 1548 30.14  
 MORH SN Sn 1547 44.03  
 TRPA SN Sn 1548 36.42

**May 28 2012 Hour: 16:36:46.0 Lat: 35.81°N Lon: 140.09°E M: 5.3 Depth: 66 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1649 03.62  
 PSZ SZ EP C 1648 54.89  
 SOP SZ EP C 1649 04.11  
 TRPA SZ EP C 1648 47.42

**May 28 2012 Hour: 21:47:10.0 Lat: 19.94°S Lon: 175.91°W M: 5.9 Depth: 221 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 2206 34.16  
 CSKK SZ EP 2206 35.33  
 MORH SZ EP 2206 37.29  
 PSZ SZ EP 2206 33.11  
 SOP SZ EP D 2206 36.12  
 TRPA SZ EP D 2206 29.98

**May 29 2012 Hour: 01:56:04.0 Lat: 39.17°N Lon: 144.62°E M: 5.1 Depth: 36 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0208 21.24  
 PSZ SZ EP D 0208 12.82  
 SOP SZ EP 0208 21.12  
 TRPA SZ EP 0208 05.89

**May 29 2012 Hour: 02:40:53.0 Lat: 54.37°N Lon: 168.95°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 0252 38.10  
 CSKK SZ EP 0252 39.58  
 MORH SZ EP 0252 44.25  
 PSZ SZ EP 0252 34.17  
 SOP SZ EP 0252 39.47  
 TRPA SZ EP 0252 29.40  
 TRPA SN ES 0301 57.53  
 SOP SN ES 0302 21.49  
 PSZ SN ES 0302 10.56  
 MORH SN ES 0302 31.57

**May 29 2012 Hour: 03:33:26.0 Lat: 22.10°S Lon: 179.62°W M: 5.9 Depth: 610 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 0351 56.94  
 MORH SZ EP 0352 04.11

4. fejezet: Regionális és teleszeizmikus földrengések

---

PSZ SZ EP 0352 03.32  
SOP SZ EP 0352 02.92  
TRPA SZ EP 0351 59.33

**May 29 2012 Hour: 07:00:03.0 Lat: 44.89°N Lon: 11.07°E M: 5.8 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EPn 0701 33.20  
CSKK SZ EPn 0701 27.42  
MORH SZ EPn 0701 25.20  
PSZ SZ EPn 0701 42.09  
SOP SZ EPn 0701 13.19  
TRPA SZ EPn 0702 07.43  
PSZ SN Sn 0703 04.55  
TRPA SN Sn 0703 47.17  
SOP SN Sn 0702 13.87  
MORH SN Sn 0702 28.55  
BUD XN Sn 0702 45.60

**May 29 2012 Hour: 07:23:32.0 Lat: 42.59°N Lon: 23.01°E M: 3.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EPn 0724 54.34  
CSKK SZ EPn 0725 01.17  
MORH SZ EPn 0724 42.67  
PSZ SZ EPn 0725 00.37  
SOP SZ EPn 0725 12.44  
TRPA SZ EPn 0724 57.55  
TRPA SN Sn 0726 06.53  
PSZ SN Sn 0726 02.12  
BUD XN Sn 0726 01.78

**May 29 2012 Hour: 08:15:10.9 Lat: 44.95°N Lon: 11.09°E M: 3.8 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0816 14.21  
MORH SZ EPn 0816 28.18  
SOP SZ EPn 0816 18.07  
MORH SN Sn 0817 31.21  
SOP SN Sn 0817 13.67  
BEHE SN Sn 0817 05.59  
PSZ SN Sn 0818 08.00  
PSZ SZ EPn 0816 51.36

**May 29 2012 Hour: 08:25:51.0 Lat: 44.91°N Lon: 10.96°E M: 4.7 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0827 12.62  
CSKK SZ EPn 0827 16.96  
MORH SZ EPn 0827 12.62  
SOP SZ EPn 0827 03.52  
PSZ SZ EPn 0827 32.44  
BEHE SN Sn 0827 49.38  
BEHE SN ESg 0828 14.43  
MORH SN Sn 0828 16.97  
MORH SN ESg 0828 50.37  
PSZ SN Sn 0828 46.08

PSZ SN ESg 0829 37.56  
 SOP SN Sn 0827 56.64  
 SOP SN ESg 0828 27.86

**May 29 2012 Hour: 08:40:58.0 Lat: 44.89°N Lon: 11.01°E M: 4.6 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPn		0842	28.85											
PSZ	SZ	EPn		0842	38.49											
SOP	SZ	EPn		0842	09.15											
MORH	SN	Sn		0843	23.21											
SOP	SN	Sn		0843	00.02											
PSZ	SN	Sn		0843	55.67											
BEHE	SN	Sn		0842	54.53											
BEHE	SZ	EPn		0842	06.47											
MORH	SZ	EPn		0842	22.49											

**May 29 2012 Hour: 10:55:56.0 Lat: 44.99°N Lon: 10.99°E M: 5.5 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BUD	XZ	EPn		1057	37.55											
CSKK	SZ	EPn		1057	22.22											
PSZ	SZ	EPn		1057	36.41											
SOP	SZ	EPn		1057	08.59											
TRPA	SZ	EPn		1058	00.83											
BEHE	SZ	EPn		1057	02.35											
BEHE	SN	Sn		1057	53.91											
BUD	XN	Sn		1058	38.88											
MORH	SZ	EPn		1057	29.03											
MORH	SZ	Sn		1058	23.63											
PSZ	SN	Sn		1058	56.66											
SOP	SN	Sn		1058	01.53											
TRPA	SN	Sn		1059	39.08											

**May 29 2012 Hour: 16:37:22.0 Lat: 51.62°N Lon: 179.51°W M: 4.9 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EP		1649	33.99											
MORH	SZ	EP		1649	38.27											
PSZ	SZ	EP		1649	29.96											
TRPA	SZ	EP		1649	26.01											

**May 29 2012 Hour: 18:28:01.0 Lat: 44.94°N Lon: 10.94°E M: 3.9 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EPn		1829	07.34											
CSKK	SZ	EPn		1829	22.23											
MORH	SZ	EPn		1829	21.50											
PSZ	SZ	EPn		1829	41.04											
SOP	SZ	EPn		1829	13.20											
MORH	SN	Sn		1830	26.15											
PSZ	SN	Sn		1830	52.49											
SOP	SN	Sn		1830	06.61											
BEHE	SN	Sn		1830	00.38											
CSKK	SN	Sn		1830	28.42											

**May 30 2012 Hour: 05:36:23.0 Lat: 42.59°N Lon: 22.97°E M: 3.4 Depth: 2 km**



4. fejezet: Regionális és teleszeizmikus földrengések

---

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0537 33.42  
MORH SN Sn 1 0538 29.64

**May 30 2012 Hour: 06:00:34.0 Lat: 44.96°N Lon: 10.95°E M: 3.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0601 39.66  
CSKK SZ EPn 0601 58.78  
MORH SZ EPn 0601 55.19  
PSZ SZ EPn 0602 13.59  
SOP SZ EPn 0601 45.40  
SOP SN Sn 0602 43.22  
MORH SN Sn 0602 57.31  
CSKK SN Sn 0603 01.13  
PSZ SN Sn 0603 34.58  
BEHE SN Sn 0602 54.44

**May 30 2012 Hour: 06:55:46.0 Lat: 28.59°N Lon: 52.32°E M: 4.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 0702 16.23  
MORH SZ EP 0702 09.95  
PSZ SZ EP 0702 10.63

**May 30 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1146 23.46  
CSKK SN ESg 1146 27.42

**May 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0840 58.75  
PSZ SN ESg 0841 05.23

**May 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0921 19.89  
CSKK SN ESg 0921 21.15

**May 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0921 35.15  
CSKK SE ESg 0921 35.94

**May 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0928 14.63  
CSKK SN ESg 0928 15.83

**May 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1000 20.01  
CSKK SN ESg 1000 22.43

**May 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1203 15.89  
 CSKK SN ESg 1203 23.08

**May 31 2012 Hour: 14:58:21.0 Lat: 44.91°N Lon: 10.93°E M: 4.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1459 34.50  
 MORH SZ EPn 1459 56.90  
 PSZ SZ EPn 1500 01.74  
 SOP SZ EPn 1459 31.17  
 BEHE SN ESg 1500 46.91  
 BEHE SN Sn 1500 18.66  
 MORH SN ESg 1501 25.10  
 MORH SN Sn 1500 47.70  
 PSZ SN ESg 1502 07.66  
 PSZ SN Sn 1501 21.12  
 SOP SN ESg 1500 58.44  
 SOP SN Sn 1500 28.61

**May 31 2012 Hour: 15:55:32.0 Lat: 20.38°S Lon: 178.14°W M: 4.6 Depth: 499 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 1614 25.51  
 PSZ SZ EP D 1614 21.18  
 TRPA SZ EP 1614 18.44

**May 31 2012 Hour: 19:04:04.0 Lat: 44.91°N Lon: 11.01°E M: 4.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1905 16.42  
 CSKK SZ EPn 1905 26.11  
 PSZ SZ EPn 1905 44.14  
 SOP SZ EPn 1905 12.81  
 MORH SZ EPn 1905 23.86  
 BUD XZ EPn 1905 34.00  
 PSZ SN Sn 1906 56.05  
 SOP SN Sn 1906 07.36  
 BUD XN Sn 1906 45.24  
 MORH SN Sn 1906 31.15  
 TRPA SN Sn 1909 04.94  
 TRPA SZ EPn 1906 54.90  
 BEHE SN Sn 1906 02.77

**May 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 2121 49.86  
 CSKK SN ESg 2121 52.16

**June 01 2012 Hour: 05:07:01.0 Lat: 77.04°S Lon: 149.02°W M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ IPP D 0526 48.35  
 BUD XZ IPP D 0526 50.88  
 CSKK SZ IPP 0526 50.15  
 MORH SZ IPP D 0526 47.41

4. fejezet: Regionális és teleszeizmikus földrengések

---

PSZ SZ IPP D 0526 51.60  
SOP SZ IPP D 0526 50.44  
TRPA SZ IPP D 0526 52.47

**June 01 2012 Hour: 08:48:09.0 Lat: 36.04°N Lon: 139.64°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ IP C 0900 25.27  
PSZ SZ IP C 0900 16.87  
TRPA SZ IP C 0900 09.17

**June 01 2012 Hour: 13:31:44.0 Lat: 20.28°S Lon: 177.74°W M: 5.3 Depth: 522 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPP D 1350 36.33  
PSZ SZ EPP D 1350 32.20  
TRPA SZ EPP D 1350 29.33

**June 01 2012 Hour: 23:07:16.0 Lat: 44.94°N Lon: 10.96°E M: 3.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 2308 55.52  
CSKK SN Sn 2309 43.29  
MORH SN Sn 2309 40.56  
SOP SN Sn 2309 22.82  
CSKK SZ EPn 2308 39.08  
BEHE SN Sn 2309 15.82  
PSZ SN Sn 2310 16.84  
BEHE SZ EPn 2308 22.97  
MORH SZ EPn 2308 36.89  
SOP SZ EPn 2308 28.41

**June 02 2012 Hour: 00:32:21.0 Lat: 43.32°N Lon: 46.20°E M: 4.6 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0036 38.46  
MORH SZ EP 0036 46.80  
CSKK SZ EP 0036 50.72  
SOP SZ EP C 0037 03.82

**June 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 0552 35.51  
CSKK SZ EPn 0552 41.19  
CSKK SN Sn 0552 54.62  
PSZ SN Sn 0552 42.12

**June 02 2012 Hour: 07:52:53.0 Lat: 22.02°S Lon: 63.55°W M: 6.0 Depth: 513 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ IP D 0805 44.65  
SOP SZ IP D 0805 40.68

**June 02 2012 Hour: 15:32:39.0 Lat: 41.79°N Lon: 20.47°E M: 3.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPn 1534 07.30  
PSZ SZ EPn 1534 08.16  
CSKK SN Sn 1535 13.02

MORH SN Sn 1534 41.77  
 PSZ SN Sn 1535 16.59  
 MORH SZ EPn 1533 48.34

**June 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SN ESg 2014 39.93  
 CSKK SZ EPg 2014 36.25

**June 03 2012 Hour: 17:57:53.0 Lat: 44.93°N Lon: 10.97°E M: 3.8 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 1800 22.01  
 MORH SZ EPn 1759 13.41

**June 03 2012 Hour: 19:20:44.5 Lat: 44.95°N Lon: 11.00°E M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 1922 08.16  
 TRPA SZ EPn 1922 48.08  
 CSKK SN Sn 1923 17.48  
 BEHE SN Sn 1922 42.91  
 BUD XN Sn 1923 25.40  
 MORH SN Sn 1923 12.22  
 PSZ SN Sn 1923 42.62  
 SOP SN Sn 1922 52.44  
 TRPA SN Sn 1924 26.58  
 BEHE SZ EPn 1921 50.53  
 BUD XZ EPn 1922 14.75  
 MORH SZ EPn 1922 05.19  
 PSZ SZ EPn 1922 24.50  
 SOP SZ EPn 1921 55.81

**June 04 2012 Hour: 00:45:15.0 Lat: 5.36°N Lon: 82.70°W M: 6.2 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0058 29.27  
 PSZ SZ EP 0058 35.83  
 SOP SZ EP 0058 22.71  
 MORH SN EPP 0102 11.02  
 PSZ SN IS 0109 12.37  
 PSZ SN EPP 0102 20.08  
 SOP SN IS 0109 00.89  
 SOP SN EPP 0102 01.95  
 MORH SE IS 0109 03.47  
 MORH SE ESS 0116 03.28  
 PSZ SE ESS 0116 11.35  
 SOP SE ESS 0115 37.04

**June 04 2012 Hour: 03:15:24.0 Lat: 5.59°N Lon: 82.58°W M: 6.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0328 39.70  
 PSZ SZ EP D 0328 43.33  
 SOP SZ EP 0328 45.14  
 MORH SN IS 0339 51.67  
 PSZ SN IS 0339 35.33

4. fejezet: Regionális és teleszeizmikus földrengések

---

SOP SN IS 0339 35.61  
SOP SN ESS 0345 42.73  
PSZ SE ESS 0346 13.87  
MORH SE ESS 0346 13.13

**June 04 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0952 43.24  
PSZ SE ESg 0952 44.81

**June 04 2012 Hour: 11:18:16.0 Lat: 7.69°S Lon: 106.40°E M: 5.8 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SN ES 1142 18.91  
PSZ SN ES 1142 17.88  
MORH SZ IP C 1131 24.89  
MORH SZ EPP 1135 10.36  
PSZ SZ IP C 1131 22.34  
PSZ SZ EPP 1134 59.05

**June 05 2012 Hour: 00:35:26.0 Lat: 13.50°N Lon: 44.88°W M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 0045 38.76  
MORH SZ EP 0045 45.52  
PSZ SZ EP 0045 54.63  
SOP SZ EP 0045 38.92  
SOP SN ES 0053 45.14  
PSZ SN ES 0054 08.56  
MORH SN ES 0054 06.67  
BEHE SN ES 0053 54.59

**June 05 2012 Hour: 07:47:08.0 Lat: 38.26°N Lon: 30.56°W M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0754 18.57  
PSZ SZ EP 0754 24.45

**June 05 2012 Hour: 08:15:29.0 Lat: 44.74°N Lon: 18.38°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0816 05.07  
CSKK SZ EPn 0816 11.94  
MORH SZ EPn 0815 56.35  
PSZ SZ EPn 0816 21.66  
MORH SN Sn 0816 20.15  
BEHE SN Sn 0816 31.50  
CSKK SN Sn 0816 45.34  
PSZ SN Sn 0817 02.63  
SOP SN Sn 0816 59.67  
SOP SZ EPn 0816 19.53

**June 05 2012 Hour: 11:01:20.0 Lat: 5.85°N Lon: 94.68°E M: 5.6 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 1113 11.62  
MORH SZ IP C 1113 03.52  
PSZ SZ IP C 1113 00.18

SOP SZ IP C 1113 12.48

**June 05 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1904 19.72

BEHE SZ EPn 1904 26.98

MORH SN Sn 1904 42.47

BEHE SN Sn 1905 02.15

**June 05 2012 Hour: 19:31:33.0 Lat: 35.08°N Lon: 141.20°E M: 6.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP 1943 50.49

MORH SZ EP 1943 55.99

PSZ SZ EP 1943 53.79

SOP SZ EP 1943 59.29

PSZ SN ES 1954 11.67

BUD XN ES 1954 29.26

BEHE SN ES 1954 51.24

MORH SN ES 1954 24.86

MORH SN EPP 1947 16.52

SOP SN ES 1954 31.46

SOP SN EPP 1947 16.52

BEHE SZ EP 1944 02.58

BEHE SZ EPP 1947 23.01

**June 06 2012 Hour: 01:08:35.0 Lat: 22.40°N Lon: 121.42°E M: 5.6 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SE ES 0131 22.73

MORH SN ES 0131 10.82

PSZ SE ES 0130 54.33

SOP SE ES 0131 18.15

BEHE SZ EP 0121 01.78

BUD XZ EP 0120 52.61

CSKK SZ EP 0120 54.55

MORH SZ EP 0120 53.72

PSZ SZ EP 0120 48.16

SOP SZ EP 0121 00.39

TRPA SZ EP 0120 39.26

BEHE SN ES 0131 22.97

BUD XN ES 0131 15.55

**June 06 2012 Hour: 04:08:31.0 Lat: 44.45°N Lon: 12.26°E M: 4.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPn 0409 49.36

BUD XZ EPn 0409 54.80

BEHE SN Sn 0410 12.84

CSKK SN Sn 0410 44.62

MORH SN Sn 0410 36.32

SOP SN Sn 0410 27.01

BUD XN Sn 0411 07.13

BEHE SZ EPn 0409 30.11

MORH SZ EPn 0409 42.46

MORH SZ Sn 0411 03.21

SOP SZ EPn 0409 37.25

**June 06 2012 Hour: 14:04:14.0 Lat: 51.69°N Lon: 96.01°E M: 5.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 1413 01.20

PSZ SZ EP 1412 48.71

SOP SZ EP C 1413 04.95

TRPA SZ EP C 1412 36.01

**June 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg C 0754 52.07

CSKK SE ESg 0754 53.11

**June 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0755 06.78

CSKK SN ESg 0755 07.59

**June 07 2012 Hour: 09:01:54.0 Lat: 20.14°S Lon: 176.35°W M: 5.8 Depth: 300 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP C 0921 10.33

CSKK SZ EP 0921 10.53

MORH SZ EP C 0921 05.63

TRPA SZ EP C 0921 05.56

PSZ SZ EP 0921 08.71

SOP SZ EP 0921 11.73

**June 07 2012 Hour: 10:17:14.0 Lat: 41.38°N Lon: 20.91°E M: 4.5 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EPn 1018 46.94

PSZ SZ EPn 1018 52.05

BUD XN Sn 1019 59.78

CSKK SN Sn 1019 57.23

MORH SN Sn 1019 30.07

PSZ SN Sn 1020 08.09

SOP SE Sn 1020 22.14

SOP SZ EPn 1018 58.19

TRPA SZ EPn 1018 56.14

TRPA SN Sn 1020 14.85

MORH SZ EPn 1018 31.42

CSKK SZ EPn 1018 48.15

**June 07 2012 Hour: 20:54:26.0 Lat: 40.85°N Lon: 27.92°E M: 5.1 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 2056 39.34

TRPA SZ EP 2056 26.40

BUD XZ EP 2056 32.62

BUD XZ EPn 2056 35.95

BEHE SN Sn 2058 35.69

BUD XN Sn 2058 21.06

MORH SN Sn 2058 05.54

MORH SN ESg 2059 04.07

TRPA	SN	Sn	2057	59.33
TRPA	SN	ESg	2058	56.09
PSZ	SN	Sn	2058	17.95
PSZ	SN	ESg	2059	22.26
BEHE	SZ	EP	2056	32.62
BEHE	SZ	EPn	2056	43.97
MORH	SZ	EP	2056	29.67
MORH	SZ	EPn	D 2056	29.21
PSZ	SZ	EP	2056	44.71
PSZ	SZ	EPn	2056	37.68

**June 08 2012 Hour: 00:36:14.0 Lat: 44.77°N Lon: 18.43°E M: 2.8 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPn		0036			56.17									
PSZ	SN	Sn		0037			45.12									
SOP	SN	Sn		0037			44.66									
BEHE	SN	Sn		0037			16.95									
CSKK	SN	Sn		0037			30.20									
BEHE	SZ	EPn		0036			48.96									
SOP	SZ	EPn	D	0037			04.29									
PSZ	SZ	EPn		0037			05.57									

**June 08 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SN	ESg		0114			53.26									

**June 08 2012 Hour: 03:44:29.0 Lat: 41.24°N Lon: 20.90°E M: 4.4 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
SOP	SZ	EPn		0346			15.11									
TRPA	SZ	EPn		0346			07.17									
PSZ	SN	Sn		0347			23.19									
SOP	SN	Sn		0347			34.91									
PSZ	SZ	EPn	D	0346			05.52									
TRPA	SN	Sn		0347			32.27									

**June 08 2012 Hour: 03:44:29.0 Lat: 41.24°N Lon: 20.90°E M: 4.4 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EPn		0345			57.52									
BUD	XZ	EPn		0346			01.18									
CSKK	SZ	EPn		0346			03.17									
BUD	XN	Sn		0347			12.39									
BEHE	SN	Sn		0347			05.99									
CSKK	SN	Sn		0347			12.87									

**June 08 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPg		1038			52.26									
PSZ	SE	ESg		1038			54.13									

**June 08 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPg		1142			22.23									
PSZ	SE	ESg		1142			25.74									



**June 09 2012 Hour: 02:04:57.0 Lat: 46.16°N Lon: 12.53°E M: 4.3 Depth: 5 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SN	Sn		0208	15.03											
CSKK	SN	Sn		0206	48.44											
SOP	SN	Sn		0206	21.33											
SOP	SN	ESg		0206	40.84											
PSZ	SN	Sn		0207	20.62											
PSZ	SN	ESg		0207	53.18											
MORH	SN	Sn		0206	48.88											
MORH	SN	ESg		0207	17.93											
BEHE	SN	Sn		0206	21.36											
BEHE	SN	ESg		0206	36.94											
CSKK	SZ	EPn		0206	02.68											
MORH	SZ	EPn	D	0206	01.55											
SOP	SZ	EPn	C	0205	48.00											
TRPA	SZ	EPn		0206	43.29											
BEHE	SZ	EPn		0205	44.95											
BEHE	SZ	EPg		0205	53.68											
PSZ	SZ	EPn		0206	18.61											

**June 09 2012 Hour: 12:02:47.0 Lat: 51.74°N Lon: 159.23°E M: 5.2 Depth: 20 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP	C	1214	20.59											
SOP	SZ	EP	C	1214	33.54											
PSZ	SZ	EP	C	1214	26.66											
MORH	SZ	EP	C	1214	36.29											
CSKK	SZ	EP		1214	32.62											
BUD	XZ	EP	C	1214	30.44											
BEHE	SZ	EP	C	1214	38.58											

**June 09 2012 Hour: 14:23:21.0 Lat: 48.90°N Lon: 154.97°E M: 5.5 Depth: 60 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP	C	1435	11.56											
PSZ	SZ	EP	C	1435	02.51											
SOP	SZ	EP	C	1435	10.38											

**June 09 2012 Hour: 21:00:18.0 Lat: 24.56°N Lon: 122.29°E M: 5.9 Depth: 74 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP	C	2112	09.63											
SOP	SZ	EP	C	2112	30.83											
MORH	SZ	EP	C	2112	27.21											
LTVH	SZ	EP	C	2112	14.10											
CSKK	SZ	EP		2112	24.98											
BUD	XZ	EP	C	2112	23.02											
BEHE	SZ	EP	C	2112	33.07											
MORH	SN	ES		2122	31.70											
TRPA	SN	ES		2122	09.13											
SOP	SE	ES		2122	37.69											
LTVH	SN	ES		2122	23.94											
BUD	XN	ES		2122	39.10											
BEHE	SE	ES		2122	44.39											

**June 10 2012 Hour: 01:16:49.0 Lat: 51.49°N Lon: 15.99°E M: 3.9 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
SOP	SZ	EPn		0117	47.11											
SOP	SE	Sn		0118	35.14											
SOP	SN	ESg		0118	51.18											

**June 11 2012 Hour: 05:02:16.0 Lat: 36.13°N Lon: 69.42°E M: 5.4 Depth: 40 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EP	D	0509	33.94											
PSZ	SZ	ES		0515	26.47											
SOP	SZ	EP	D	0509	52.31											
SOP	SZ	IS		0515	44.59											
TRPA	SZ	EP	D	0509	17.77											
TRPA	SZ	ES		0514	54.25											

**June 11 2012 Hour: 05:29:14.0 Lat: 36.13°N Lon: 69.40°E M: 5.7 Depth: 30 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EP	D	0536	31.65											
PSZ	SZ	ES		0542	24.91											
SOP	SZ	EP	D	0536	49.73											
SOP	SZ	ES		0542	42.43											
TRPA	SZ	EP	D	0536	13.14											
TRPA	SZ	ES		0542	01.21											
TRPA	SE	EPP		0537	40.49											
PSZ	SN	EPP		0537	55.13											
PSZ	SN	ESS		0545	20.40											
SOP	SN	EPP		0538	13.88											
SOP	SN	ESS		0545	40.54											
TRPA	SN	ESS		0544	28.03											

**June 11 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPg		0813	44.25											
CSKK	SN	ESg		0813	48.65											

**June 11 2012 Hour: 09:48:09.0 Lat: 43.88°N Lon: 11.80°E M: 3.7 Depth: 80 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EPn		0949	14.91											
CSKK	SZ	EPn		0949	33.78											
SOP	SZ	EPn		0949	22.87											
PSZ	SZ	EPn		0949	50.61											
BEHE	SN	Sn		0949	59.02											
MORH	SZ	EPn		0949	28.10											
MORH	SZ	Sn		0950	21.76											
PSZ	SN	Sn		0951	02.24											
SOP	SN	Sn		0950	16.99											

**June 11 2012 Hour: 10:33:17.0 Lat: 51.40°N Lon: 15.91°E M: 3.9 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
SOP	SZ	EPn		1034	13.36											
PSZ	SN	Sn		1035	16.22											
MORH	SN	Sn		1035	45.10											
SOP	SN	Sn		1035	01.63											

4. fejezet: Regionális és teleszeizmikus földrengések

---

SOP SN ESg 1035 20.18  
PSZ SE ESg 1035 37.96  
PSZ SZ EPn 1034 22.90  
MORH SZ EPn 1034 39.88

**June 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1234 44.10  
PSZ SE ESg 1234 46.10

**June 12 2012 Hour: 01:48:36.0 Lat: 44.94°N Lon: 10.96°E M: 4.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0149 49.60  
CSKK SZ EPn 0150 00.60  
PSZ SZ EPn 0150 16.18  
SOP SZ EPn 0149 48.69  
CSKK SN Sn 0151 02.91  
BUD XZ EPn 0149 54.19  
MORH SZ EPn 0150 00.55  
MORH SN Sn 0151 00.56  
BUD XN Sn 0151 16.40  
BEHE SN Sn 0150 34.97  
BEHE SN ESg 0151 10.92  
PSZ SN Sn 0151 32.69  
PSZ SN ESg 0152 31.95  
SOP SN Sn 0150 43.21  
SOP SN ESg 0151 14.88

**June 12 2012 Hour: 05:59:38.0 Lat: 5.78°S Lon: 105.45°E M: 5.3 Depth: 166 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 0612 24.71  
SOP SZ EP 0613 09.63  
TRPA SZ EP C 0612 16.41

**June 14 2012 Hour: 05:52:54.0 Lat: 37.21°N Lon: 42.47°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 0557 37.92  
CSKK SZ EP 0557 30.73  
PSZ SZ EP 0557 24.34  
TRPA SZ EP 0557 06.77  
TRPA SN ES 0600 45.20  
PSZ SE ES 0601 13.58  
CSKK SN ES 0601 21.21  
BEHE SN ES 0601 37.58

**June 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0902 57.30  
CSKK SE ESg 0902 58.24

**June 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0912 19.37

CSKK SN ESg 0912 20.42

**June 14 2012 Hour: 11:04:04.0 Lat: 22.25°S Lon: 179.7°E M: 5.3 Depth: 1 573 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPP D 1122 48.85

**June 14 2012 Hour: 21:51:28.0 Lat: 42.23°N Lon: 84.32°E M: 5.4 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ IP C 2159 56.67

TRPA SZ IP C 2159 24.85

CSKK SZ EP 2159 48.25

PSZ SZ IP C 2159 38.65

**June 15 2012 Hour: 01:14:11.0 Lat: 5.72°N Lon: 126.52°E M: 5.6 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP C 0127 24.90

PSZ SZ EP 0127 32.93

CSKK SZ EP 0127 38.58

**June 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg C 0751 40.81

CSKK SE ESg 0751 41.63

**June 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0800 11.41

CSKK SE ESg 0800 12.08

**June 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg 0800 48.90

CSKK SE ESg 0800 49.98

**June 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPg 1058 18.38

PSZ SN ESg 1058 34.75

**June 15 2012 Hour: 22:13:48.0 Lat: 44.89°N Lon: 11.27°E M: 3.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SN Sn 2216 39.47

BEHE SN Sn 2215 41.69

BEHE SN ESg 2216 06.72

SOP SN Sn 2215 51.37

SOP SN ESg 2216 14.32

BEHE SZ EPn 2214 52.96

PSZ SZ EPn 2215 27.14

SOP SZ EPn 2214 57.43

**June 16 2012 Hour: 22:18:48.0 Lat: 15.69°N Lon: 119.64°E M: 5.8 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ IP C 2231 30.01

SOP SZ ES 2242 04.27  
 LTVH SZ IP C 2231 14.34  
 LTVH SZ ES 2242 28.86  
 BEHE SZ EP C 2231 32.54  
 BEHE SZ ES 2242 14.67  
 BUD XZ IP C 2231 22.94  
 BUD XZ ES 2241 51.48  
 CSKK SZ EP 2231 25.97  
 CSKK SZ ES 2241 59.85  
 PSZ SZ IP C 2231 19.65  
 PSZ SZ ES 2241 40.72  
 TRPA SZ IP C 2231 10.55  
 TRPA SZ ES 2241 33.54

**June 17 2012 Hour: 03:43:09.0 Lat: 8.44°S Lon: 160.41°E M: 5.6 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPP 0402 16.45  
 BUD XZ EPP 0402 12.79  
 CSKK SZ EPP 0402 13.79  
 LTVH SZ EPP 0402 10.05  
 PSZ SZ EPP D 0402 11.96  
 SOP SZ EPP D 0402 15.28  
 MORH SZ EPP 0402 11.88

**June 17 2012 Hour: 17:26:27.0 Lat: 20.40°S Lon: 174.27°W M: 5.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPP C 1746 16.12  
 SOP SZ EPP C 1746 21.87  
 CSKK SZ EPP 1746 21.16  
 PSZ SZ EPP C 1746 19.04

**June 17 2012 Hour: 19:20:42.0 Lat: 40.53°N Lon: 21.58°E M: 4.6 Depth: 27 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1922 26.34  
 BUD XZ EPn C 1922 29.51  
 CSKK SZ EPn 1922 28.24  
 LTVH SZ EPn 1922 27.29  
 PSZ SZ EPn 1922 31.42  
 SOP SZ EPn 1922 41.26  
 TRPA SZ EPn 1922 34.06  
 CSKK SN Sn 1923 51.62  
 PSZ SN Sn 1923 54.50  
 SOP SN Sn 1924 09.38  
 LTVH SN Sn 1924 05.54  
 LTVH SN ESg 1924 29.06  
 TRPA SN Sn 1924 04.58  
 TRPA SN ESg 1924 52.58  
 BEHE SN Sn 1923 36.26  
 BEHE SN ESg 1924 32.90  
 BUD XN Sn 1923 47.30  
 BUD XN ESg 1924 34.34

**June 17 2012 Hour: 20:32:23.0 Lat: 38.97°N Lon: 141.83°E M: 6.4 Depth: 60 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	IP		C	2044	16.64										
TRPA	SZ	ES			2054	01.78										
SOP	SZ	IP		C	2044	33.08										
SOP	SZ	ES			2054	50.29										
PSZ	SZ	IP		C	2044	23.72										
PSZ	SZ	ES			2054	52.31										
LTVH	SZ	IP		C	2044	19.93										
LTVH	SZ	ES			2054	24.02										
CSKK	SZ	IP			2044	28.78										
CSKK	SZ	ES			2054	46.25										
BUD	XZ	IP		C	2044	27.01										
BUD	XZ	ES			2055	10.51										
BEHE	SZ	IP		C	2044	36.37										
BEHE	SZ	ES			2055	30.72										

**June 18 2012 Hour: 00:02:40.0 Lat: 41.47°N Lon: 29.22°W M: 5.0 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
SOP	SZ	EP			0009	10.88										
TRPA	SZ	EP			0009	45.74										
PSZ	SZ	EP		C	0009	31.03										
LTVH	SZ	EP		C	0009	43.23										
SOP	SN	ES			0014	33.42										
TRPA	SN	ES			0015	32.45										
PSZ	SN	ES			0014	30.02										

**June 18 2012 Hour: 20:14:54.0 Lat: 86.36°N Lon: 41.52°E M: 4.7 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP		C	2022	18.52										
SOP	SZ	EP		C	2022	23.80										
PSZ	SZ	EP		C	2022	21.29										

**June 18 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPg		C	2110	16.11										
CSKK	SN	ESg			2110	16.55										

**June 18 2012 Hour: 22:02:21.0 Lat: 44.90°N Lon: 11.04°E M: 3.2 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPn			2203	59.38										
CSKK	SZ	EPn			2203	41.96										
BEHE	SZ	EPn			2203	22.58										
PSZ	SN	Sn			2205	15.82										
CSKK	SN	Sn			2204	48.16										
SOP	SZ	EPn			2203	31.50										
BEHE	SN	Sn			2204	19.80										
BEHE	SN	ESg			2204	42.07										
SOP	SN	Sn			2204	24.43										
SOP	SN	ESg			2204	54.23										

**June 19 2012 Hour: 01:46:13.0 Lat: 39.14°N Lon: 29.16°E M: 4.5 Depth: 9 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EPn			0148	55.07										

4. fejezet: Regionális és teleszeizmikus földrengések

---

PSZ SZ EPn 0148 56.02  
BEHE SN Sn 0151 09.99  
PSZ SN Sn 0150 54.37

**June 19 2012 Hour: 04:37:35.0 Lat: 20.53°S Lon: 178.55°W M: 5.1 Depth: 625 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPP C 0456 16.50  
LTVH SZ EPP 0456 13.66  
PSZ SZ EPP D 0456 14.01  
SOP SZ EPP D 0456 17.30  
TRPA SZ EPP D 0456 10.91

**June 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1044 21.05  
CSKK SN ESg 1044 23.25

**June 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN ESg 1055 08.85  
PSZ SZ EPg 1055 01.57

**June 19 2012 Hour: 15:56:31.0 Lat: 53.35°N Lon: 171.63°E M: 6.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP D 1608 17.13  
TRPA SZ ES 1617 53.17  
SOP SZ IP D 1608 26.58  
SOP SZ ES 1618 09.68  
PSZ SZ IP D 1608 22.38  
PSZ SZ ES 1618 05.55  
LTVH SZ IP D 1608 22.38  
LTVH SZ ES 1617 52.58  
CSKK SZ EP 1608 26.58  
CSKK SZ ES 1618 01.43  
BUD XZ IP D 1608 25.53  
BUD XZ ES 1618 17.34  
BEHE SZ EP 1608 33.08  
BEHE SZ ES 1618 26.19  
PSZ SN ESS 1622 52.97  
SOP SN ESS 1623 08.84  
TRPA SN ESS 1622 40.55

**June 19 2012 Hour: 18:24:22.0 Lat: 44.46°N Lon: 17.54°E M: 2.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1825 20.34  
BEHE SN Sn 1825 24.83  
BEHE SZ EPn 1824 57.25  
PSZ SN Sn 1826 08.27

**June 19 2012 Hour: 20:14:03.0 Lat: 23.66°N Lon: 70.28°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 2022 47.45

**June 19 2012 Hour: 20:56:41.0 Lat: 53.40°N Lon: 171.71°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ IP D 2108 35.36  
 SOP SZ ES 2118 28.22  
 TRPA SZ IP D 2108 25.99  
 TRPA SZ ES 2118 01.12  
 PSZ SN EP 2108 25.33  
 PSZ SE ESS 2123 10.36  
 SOP SN ESS 2123 18.43  
 TRPA SN ESS 2123 06.33

**June 19 2012 Hour: 20:56:41.0 Lat: 53.40°N Lon: 171.71°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ IP 2108 35.87  
 LTVH SZ IP D 2108 31.73  
 BEHE SZ EP 2108 42.28

**June 19 2012 Hour: 21:48:29.0 Lat: 44.96°N Lon: 11.06°E M: 3.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2149 38.70  
 SOP SE Sn 2150 37.24

**June 20 2012 Hour: 09:59:03.0 Lat: 5.03°S Lon: 103.05°E M: 5.6 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 1012 02.30  
 CSKK SZ EP 1011 56.88

**June 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1114 09.93  
 BEHE SN Sn 1115 05.60

**June 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1158 12.90  
 PSZ SN ESg 1158 15.86

**June 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1214 50.81  
 PSZ SN ESg 1214 53.48

**June 21 2012 Hour: 22:34:37.0 Lat: 17.9 °S Lon: 178.16°W M: 5.1 Depth: 548 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPP D 2253 24.38  
 BUD XZ EPP D 2253 20.00  
 CSKK SZ EPP 2253 20.00  
 PSZ SZ EPP D 2253 15.14  
 LTVH SZ EPP 2253 15.30

**June 23 2012 Hour: 04:34:53.0 Lat: 2.98°S Lon: 97.90°E M: 6.1 Depth: 93 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP C 0446 53.56



CSKK SZ EP 0446 56.84  
 CSKK SZ ES 0456 33.31  
 LTVH SZ IP C 0446 43.71  
 LTVH SZ ES 0456 26.95  
 PSZ SZ IP 0446 50.49  
 PSZ SZ ES 0456 34.29  
 TRPA SZ IP C 0446 41.52  
 TRPA SZ ES 0455 49.78

**June 23 2012 Hour: 04:34:53.0 Lat: 2.98°S Lon: 97.90°E M: 6.1 Depth: 93 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SN ES 0457 04.12  
 BUD XN ES 0456 49.05  
 LTVH SN ES 0456 24.31  
 TRPA SN ES 0456 21.61

**June 23 2012 Hour: 17:52:30.0 Lat: 38.14°N Lon: 22.03°E M: 4.7 Depth: 55 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN Sn 1756 37.69  
 PSZ SZ EPn 1754 52.78

**June 23 2012 Hour: 23:25:16.0 Lat: 49.81°N Lon: 18.57°E M: 2.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2325 51.54  
 PSZ SN Sn 2326 19.37

**June 24 2012 Hour: 01:29:17.0 Lat: 38.99°N Lon: 142.06°E M: 5.0 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 0141 17.07  
 TRPA SZ EP C 0141 09.29

**June 24 2012 Hour: 03:15:01.0 Lat: 57.62°N Lon: 163.22°E M: 6.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ IP C 0326 12.50  
 PSZ SN IS 0335 29.78

**June 24 2012 Hour: 03:15:01.0 Lat: 57.62°N Lon: 163.22°E M: 6.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SN IS 0335 24.91  
 TRPA SZ IP C 0326 09.98

**June 24 2012 Hour: 03:15:01.0 Lat: 57.62°N Lon: 163.22°E M: 6.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0326 29.42  
 BEHE SZ IS 0335 53.01  
 BUD XZ EP 0326 20.88  
 BUD XZ IS 0335 41.43  
 CSKK SZ EP 0326 22.76  
 CSKK SZ IS 0335 43.53  
 LTVH SZ EP C 0326 17.95  
 LTVH SZ IS 0335 39.32

**June 24 2012 Hour: 07:59:35.0 Lat: 27.84°N Lon: 100.81°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0810 08.67  
 BEHE SZ EP 0810 25.57  
 PSZ SE IS 0818 47.14  
 BEHE SN IS 0818 43.22

**June 24 2012 Hour: 20:07:23.0 Lat: 38.72°N Lon: 43.68°E M: 4.9 Depth: 16 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2011 31.88  
 PSZ SZ EP 2011 51.26  
 LTVH SZ EP 2011 35.01  
 BEHE SZ EP C 2012 09.11  
 CSKK SZ EP 2012 01.16  
 PSZ SN ES 2015 29.88  
 TRPA SN ES 2014 53.57  
 LTVH SN ES 2015 20.71  
 CSKK SN ES C 2015 50.52  
 BEHE SN ES 2016 07.72

**June 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 0501 54.81  
 PSZ SN Sn 0503 18.73

**June 25 2012 Hour: 13:05:30.0 Lat: 36.39°N Lon: 29.01°E M: 5.0 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn C 1308 36.39  
 PSZ SN Sn 1311 13.66

**June 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2142 02.13  
 SOP SN Sn 2142 20.63

**June 25 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2230 51.58

**June 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SN Sn 0823 47.89  
 BEHE SZ EPn 0823 28.74

**June 26 2012 Hour: 12:32:36.0 Lat: 21.94°S Lon: 176.69°W M: 5.1 Depth: 181 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPP D 1252 03.62  
 SOP SZ EPP D 1252 09.76  
 PSZ SZ EPP D 1252 06.69  
 LTVH SZ EPP 1252 06.61  
 CSKK SZ EPP 1252 08.55

**June 26 2012 Hour: 14:17:40.0 Lat: 56.17°N Lon: 160.53°E M: 5.1 Depth: 161 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

4. fejezet: Regionális és teleszeizmikus földrengések

---

PSZ SZ EP C 1428 42.50  
TRPA SZ IP C 1428 37.08  
SOP SZ IP C 1428 48.56

**June 27 2012 Hour: 02:25:39.0 Lat: 34.13°N Lon: 48.54°E M: 4.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0230 52.96  
PSZ SZ EP 0231 07.13

**June 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0945 52.75  
CSKK SE ESg 0945 55.11

**June 27 2012 Hour: 20:39:14.0 Lat: 15.17°S Lon: 173.29°W M: 5.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPP 2058 54.68  
PSZ SZ EPP 2058 54.81  
TRPA SZ EPP 2058 51.41

**June 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2108 29.89

**June 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP C 2108 33.61

**June 27 2012 Hour: 21:14:01.0 Lat: 15.28°S Lon: 173.34°W M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPP C 2133 40.36  
TRPA SZ EPP 2133 37.29

**June 27 2012 Hour: 21:20:58.0 Lat: 15.05°S Lon: 173.40°W M: 5.3 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPP C 2140 35.78  
PSZ SZ EPP 2140 34.52  
TRPA SZ EPP 2140 32.84

**June 28 2012 Hour: 01:51:54.0 Lat: 21.78°S Lon: 168.98°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPP C 0211 27.30  
TRPA SZ EPP 0211 23.79

**June 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0537 40.09  
CSKK SE ESg 0537 40.95

**June 28 2012 Hour: 05:51:50.0 Lat: 37.30°N Lon: 141.05°E M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 0603 56.06  
TRPA SZ EP D 0603 48.82

**June 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1122 08.23  
 CSKK SE ESg 1122 08.81

**June 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN ESg 1214 19.18  
 PSZ SZ EPg 1214 14.77

**June 28 2012 Hour: 13:11:29.0 Lat: 39.01°N Lon: 23.15°E M: 4.3 Depth: 26 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1313 26.93  
 CSKK SZ EPn 1313 37.84  
 PSZ SZ EPn 1313 45.37  
 PSZ SN Sn 1315 42.80  
 MORH SN Sn 1314 54.99  
 CSKK SN Sn 1315 22.73

**June 29 2012 Hour: 03:52:41.0 Lat: 49.80°N Lon: 18.51°E M: 2.7 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 0353 21.05  
 PSZ SZ EPn 0353 16.08  
 PSZ SN Sn 0353 44.34  
 CSKK SN Sn 0353 52.86

**June 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 0805 47.18  
 MORH SN ESg 0805 49.52  
 MORH SZ EPn 0805 34.09  
 MORH SZ EPg 0805 35.72

**June 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0813 11.72  
 CSKK SE ESg 0813 12.85

**June 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0813 49.04  
 CSKK SN ESg 0813 50.20

**June 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0814 15.45  
 CSKK SN ESg 0814 16.82

**June 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0821 12.07  
 CSKK SN ESg 0821 13.20

**June 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 0915 28.90  
 PSZ SN ESg 0915 34.34

**June 29 2012 Hour: 15:31:46.0 Lat: 24.68°S Lon: 9.67°W M: 5.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ IP C 1543 39.95  
 LTVH SZ ES 1551 26.70  
 BEHE SZ EP C 1543 27.16  
 BEHE SZ ES 1552 19.61  
 BUD XZ IP C 1543 35.28  
 BUD XZ ES 1552 58.12  
 CSKK SZ EP 1543 33.25  
 CSKK SZ ES D 1553 17.14  
 LTVH SN ES 1553 26.85  
 MORH SN ES 1553 03.17  
 PSZ SZ IP C 1543 39.74  
 PSZ SZ ES 1553 25.68  
 MORH SZ IP 1543 28.58  
 MORH SZ ES 1553 02.00  
 SOP SZ IP C 1543 32.84  
 SOP SZ ES 1553 14.81  
 TRPA SZ IP C 1543 44.82  
 TRPA SZ ES 1553 40.05

**June 29 2012 Hour: 21:07:31.0 Lat: 43.49°N Lon: 84.77°E M: 6.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 2115 28.85  
 TRPA SZ ES 2125 00.40  
 SOP SZ IP C 2115 59.34  
 SOP SZ ES 2125 32.52  
 PSZ SZ IP C 2115 42.14  
 PSZ SZ ES 2125 38.19  
 LTVH SZ IP C 2115 33.54  
 LTVH SZ ES 2125 30.63  
 CSKK SZ EP 2115 52.30  
 CSKK SZ ES 2125 50.47  
 BUD XZ IP C 2115 48.00  
 BUD XZ ES 2125 45.75  
 BEHE SZ IP C 2116 01.29  
 BEHE SZ ES 2126 13.14

**June 29 2012 Hour: 23:15:50.0 Lat: 44.28°N Lon: 21.00°E M: 3.6 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2316 58.82  
 CSKK SN Sn 2317 29.02  
 BUD XN Sn 2317 25.57  
 LTVH SE Sn 2317 13.39  
 SOP SN Sn 2317 48.88  
 PSZ SN Sn 2317 28.86  
 TRPA SN Sn 2317 35.89

BEHE SN Sn	2317 32.04
BEHE SZ EPn	2316 46.71
BUD XZ EPn	2316 43.53
CSKK SZ EPn	2316 45.39
PSZ SZ EPn C	2316 46.05
LTVH SZ EPn	2316 53.69
TRPA SZ EPn	2316 50.94

**June 30 2012 Hour: 16:24:37.0 Lat: 22.12°S Lon: 171.01°E M: 5.5 Depth: 92 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPP	1644 08.11
PSZ SZ EPP C	1644 05.03

**July 01 2012 Hour: 02:49:48.0 Lat: 31.69°N Lon: 51.50°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EP	0255 53.16
TRPA SZ EP	0255 30.64
PSZ SZ EP	0255 42.14
PSZ SZ IS	0300 50.26
TRPA SN IS	0300 05.87

**July 01 2012 Hour: 04:19:55.4 Lat: 38.78°N Lon: 43.54°E M: 3.0 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
LTVH SZ EP	0424 07.29
BEHE SZ EP	0424 33.99
BUD XZ EP	0424 26.83
CSKK SZ EP	0424 31.97
PSZ SZ EP	0424 19.44
SOP SZ EP	0424 33.00
TRPA SZ EP	0424 02.15

**July 01 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPn	1252 49.51
MORH SZ EPg	1252 50.28
MORH SN Sn	1253 00.39
MORH SN ESg	1253 02.44

**July 01 2012 Hour: 22:01:27.0 Lat: 34.56°N Lon: 60.01°E M: 5.1 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BEHE SZ EP	2208 13.65
BUD XZ EP	2208 03.78
LTVH SZ EP C	2207 46.19
PSZ SZ EP C	2207 57.32
SOP SZ EP C	2208 16.34
TRPA SZ EP	2207 42.78
MORH SZ EP	2208 02.34
CSKK SZ EP	2208 09.09

**July 01 2012 Hour: 23:39:09.0 Lat: 28.54°S Lon: 70.93°W M: 5.3 Depth: 41 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EP D	2345 01.81
BUD XZ EP D	2344 58.56

CSKK SZ EP 2345 00.73

**July 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 2156 49.07

MORH SE Sn 2157 11.58

**July 03 2012 Hour: 02:31:01.0 Lat: 35.01°N Lon: 140.01°E M: 5.1 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 0243 24.23

BUD XZ EP 0243 21.79

CSKK SZ EP 0243 16.73

LTVH SZ EP 0243 21.61

MORH SZ EP D 0243 19.87

PSZ SZ EP D 0243 11.16

TRPA SZ EP C 0243 03.66

SOP SZ EP C 0243 20.22

**July 03 2012 Hour: 05:03:42.0 Lat: 33.99°N Lon: 14.56°E M: 4.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 0506 46.77

MORH SN Sn 0509 04.34

**July 03 2012 Hour: 10:36:15.0 Lat: 40.04°S Lon: 173.78°E M: 6.2 Depth: 220 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 1056 37.83

BUD XZ EP 1056 31.88

CSKK SZ EP 1056 31.88

**July 03 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPg D 2323 15.02

CSKK SN ESg 2323 15.62

**July 04 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPg 0939 15.07

PSZ SN ESg 0939 18.26

PSZ SE ESg 0939 18.31

**July 04 2012 Hour: 11:12:12.0 Lat: 37.96°N Lon: 16.87°E M: 4.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 1114 16.02

CSKK SZ EPn 1114 31.20

MORH SZ EPn 1114 11.88

PSZ SZ EPn 1114 36.49

BEHE SN Sn 1115 47.82

CSKK SN Sn 1116 10.14

MORH SN Sn 1115 44.60

PSZ SN Sn 1116 26.47

**July 04 2012 Hour: 21:29:25.0 Lat: 18.13°N Lon: 62.95°W M: 5.1 Depth: 87 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP D 2140 39.86  
 TRPA SZ EP D 2140 50.11  
 MORH SZ EP D 2140 35.93  
 LTVH SZ EP 2140 49.40  
 CSKK SZ EP 2140 33.35  
 BUD XZ EP 2140 36.25  
 BEHE SZ EP D 2140 28.38

**July 04 2012 Hour: 23:46:35.0 Lat: 34.90°N Lon: 26.73°E M: 4.7 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2349 46.27  
 BUD XZ EP 2349 51.36  
 CSKK SZ EP 2349 47.48  
 LTVH SZ EP 2349 37.30  
 MORH SZ EP 2349 35.85  
 PSZ SZ EP 2349 47.72  
 TRPA SZ EP 2349 43.12

**July 05 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0214 29.86  
 MORH SN Sn 0215 37.86  
 PSZ SN Sn 0216 17.79  
 PSZ SZ EPn 0214 51.57

**July 05 2012 Hour: 07:59:45.0 Lat: 44.27°N Lon: 20.99°E M: 2.7 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0800 25.89  
 MORH SN Sn 0800 30.98

**July 05 2012 Hour: 09:46:20.0 Lat: 32.27°N Lon: 141.67°E M: 5.0 Depth: 18 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 0958 59.99  
 PSZ SZ EP C 0958 52.24  
 TRPA SZ EP C 0958 44.90

**July 06 2012 Hour: 00:40:36.0 Lat: 14.51°S Lon: 177.79°W M: 4.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0100 13.18  
 CSKK SZ EP 0100 14.06

**July 06 2012 Hour: 02:28:23.0 Lat: 14.65°S Lon: 167.27°E M: 6.3 Depth: 157 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ IP 0247 28.98  
 MORH SZ IP 0247 29.31  
 PSZ SZ IP 0247 25.72  
 TRPA SZ IP 0247 23.55  
 LTVH SZ IP 0247 26.48  
 BUD XZ IP C 0247 28.00  
 BEHE SZ IP 0247 31.37

**July 06 2012 Hour: 02:52:25.0 Lat: 17.65°S Lon: 178.50°W M: 4.8 Depth: 594 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7



TRPA SZ IP D 0310 56.78  
 PSZ SZ EP D 0311 00.13  
 MORH SZ IP D 0311 04.99  
 LTVH SZ EP 0311 00.54  
 CSKK SZ EP 0311 02.59  
 BUD XZ EP 0311 01.57  
 BEHE SZ EP 0311 06.77

**July 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1140 54.33  
 PSZ SZ EPg 1141 01.06  
 PSZ SN Sn 1141 32.45  
 CSKK SZ EPn 1141 12.06

**July 06 2012 Hour: 22:48:00.0 Lat: 45.68°N Lon: 26.67°E M: 4.5 Depth: 113 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn 2248 55.97  
 CSKK SZ EPn 2249 26.91  
 LTVH SN Sn 2249 51.51  
 TRPA SN Sn 2249 36.34  
 PSZ SN Sn 2250 07.60  
 MORH SN Sn 2250 20.71  
 CSKK SN Sn 2250 44.16  
 LTVH SZ EPn D 2248 56.33  
 MORH SZ EPn C 2249 22.13  
 PSZ SZ EPn 2249 13.88

**July 07 2012 Hour: 00:56:38.0 Lat: 45.48°N Lon: 151.44°E M: 5.4 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 0108 15.76  
 PSZ SZ IP C 0108 22.60  
 MORH SZ IP C 0108 31.72  
 LTVH SZ IP C 0108 21.92  
 CSKK SZ IP 0108 27.61  
 BEHE SZ IP C 0108 34.91

**July 07 2012 Hour: 00:56:38.0 Lat: 45.48°N Lon: 151.44°E M: 5.4 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ IP C 0108 25.93  
 BUD XZ EP C 0108 25.54

**July 07 2012 Hour: 01:20:37.0 Lat: 46.50°N Lon: 149.46°E M: 4.9 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP 0132 13.87  
 PSZ SZ IP 0132 20.22  
 MORH SZ IP 0132 28.26  
 LTVH SZ IP 0132 31.19  
 CSKK SZ IP 0132 27.04  
 BUD XZ IP 0132 23.87  
 BEHE SZ IP C 0132 47.78

**July 07 2012 Hour: 03:35:28.0 Lat: 4.66°S Lon: 153.32°E M: 5.7 Depth: 32 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EPP		C	0354	23.43										
BUD	XZ	EPP			0354	19.16										
CSKK	SZ	EPP	D		0354	20.55										
MORH	SZ	EPP		C	0354	21.11										
LTVH	SZ	EPP			0354	18.24										
PSZ	SZ	EPP		C	0354	18.33										
TRPA	SZ	EPP		C	0354	14.71										

**July 07 2012 Hour: 12:59:10.0 Lat: 41.28°N Lon: 20.91°E M: 4.3 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPn			1300	45.40										
BEHE	SZ	EPn			1300	40.09										
BUD	XZ	EPn			1300	42.97										
MORH	SN	Sn			1301	24.35										
PSZ	SN	Sn			1302	04.63										
CSKK	SN	Sn			1301	57.11										
BUD	XN	Sn			1301	57.11										
BEHE	SN	Sn			1301	51.13										
LTVH	SN	Sn			1301	56.67										
LTVH	SZ	EPn			1300	43.63										
MORH	SZ	EPn		C	1300	26.96										
PSZ	SZ	EPn		C	1300	48.23										

**July 07 2012 Hour: 20:32:37.0 Lat: 18.23°N Lon: 71.15°W M: 5.2 Depth: 20 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	IP		C	2044	21.02										
BUD	XZ	EP			2044	28.30										
CSKK	SZ	EP			2044	25.48										
LTVH	SZ	EP			2044	29.94										
MORH	SZ	EP		C	2044	28.43										
TRPA	SZ	EP		C	2044	40.59										
PSZ	SZ	EP		C	2044	31.66										

**July 08 2012 Hour: 11:30:01.0 Lat: 45.49°N Lon: 151.31°E M: 6.0 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	IP		C	1145	11.14										
BUD	XZ	IP		C	1145	03.11										
CSKK	SZ	EP			1145	04.08										
LTVH	SZ	IP		C	1144	57.76										
MORH	SZ	IP		C	1145	08.95										
PSZ	SZ	IP		C	1144	57.76										
TRPA	SZ	IP		C	1144	52.41										
BEHE	SN	ES			1155	16.90										
BUD	XN	ES			1154	52.66										
LTVH	SN	ES			1154	47.82										
MORH	SN	ES			1155	06.40										
PSZ	SN	ES			1154	50.24										
TRPA	SE	ES			1154	34.89										

**July 08 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPn			1846	44.53										

PSZ SN Sn 1846 52.32  
 MORH SN Sn 1847 18.19  
 MORH SZ EPn 1846 59.63

**July 09 2012 Hour: 07:20:52.0 Lat: 49.28°N Lon: 147.18°E M: 5.3 Depth: 529 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP D 0731 41.74  
 BUD XZ EP D 0731 33.04  
 CSKK SZ EP 0731 35.57  
 PSZ SZ EP D 0731 29.23  
 LTVH SZ EP D 0731 28.50

**July 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SE ESg 0813 22.28  
 CSKK SZ EPg 0813 20.58

**July 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SN ESg 0813 32.05  
 CSKK SZ EPg D 0813 30.78

**July 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1118 57.56  
 CSKK SE ESg 1118 58.92

**July 09 2012 Hour: 13:54:59.0 Lat: 35.52 °N Lon: 28.88°E M: 5.7 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EPn D 1358 16.09  
 MORH SZ EPn D 1358 05.03  
 BEHE SN Sn 1401 00.50  
 BUD XN Sn 1400 57.37  
 CSKK SN Sn 1401 10.34  
 LTVH SN Sn 1400 46.64  
 MORH SN Sn 1400 35.01  
 PSZ SN Sn 1401 00.95  
 LTVH SZ EPn 1358 04.16  
 PSZ SZ EPn D 1358 16.65  
 BEHE SZ EPn 1358 18.74  
 CSKK SZ EPn 1358 24.60

**July 09 2012 Hour: 19:25:08.0 Lat: 29.51°N Lon: 130.18°E M: 5.5 Depth: 42 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1937 28.84  
 BUD XZ EP C 1937 21.04  
 CSKK SZ EP 1937 24.22  
 LTVH SZ EP 1937 12.98  
 PSZ SZ EP C 1937 16.15  
 MORH SZ EP C 1937 25.93  
 TRPA SZ EP C 1937 08.22  
 TRPA SN ES 1947 08.08  
 PSZ SN ES 1947 29.73

MORH SN ES	1947 48.33
LTVH SN ES	1947 44.95
CSKK SN ES	1947 44.61
BUD XN ES	1947 38.18
BEHE SN ES	1947 55.43

**July 09 2012 Hour: 20:13:06.0 Lat: 25.50°N Lon: 96.47°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BEHE SZ EP	2023 48.52
MORH SZ EP	C 2023 36.80
CSKK SZ EP	2023 42.09

**July 10 2012 Hour: 01:22:29.0 Lat: 44.08°N Lon: 16.76°E M: 2.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EPn	0123 24.63
CSKK SN Sn	0124 06.62
MORH SZ EPn	0123 10.47
MORH SZ EPg	0123 17.14
MORH SN Sn	0123 43.46
MORH SN ESg	0123 51.98
PSZ SZ EPn	0123 36.59
PSZ SN Sn	0124 27.15

**July 10 2012 Hour: 03:48:59.0 Lat: 36.77°N Lon: 138.15°E M: 4.8 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EP	D 0401 02.73
TRPA SZ EP	D 0400 54.84
TRPA SN ES	0409 29.45
PSZ SE ES	0410 42.57

**July 10 2012 Hour: 18:09:43.0 Lat: 23.50°S Lon: 179.83°W M: 5.1 Depth: 543 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	D 1828 31.40
PSZ SZ EP	1828 34.71
LTVH SZ EP	D 1828 34.83
CSKK SZ EP	1828 36.89
BUD XZ EP	1828 36.83
MORH SZ EP	D 1828 30.41

**July 11 2012 Hour: 02:31:16.0 Lat: 45.37°N Lon: 151.52°E M: 5.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BUD XZ EP	C 0243 18.95
CSKK SZ EP	0243 20.64
TRPA SZ EP	C 0243 07.78
TRPA SZ IS	0252 53.86
PSZ SZ EP	C 0243 14.89
PSZ SZ ES	0253 09.87
MORH SZ EP	C 0243 24.03
MORH SZ ES	0253 36.78
LTVH SZ EP	C 0243 14.55
LTVH SZ ES	0253 19.49
BEHE SZ EP	C 0243 27.08
BEHE SZ ES	0253 32.94

4. fejezet: Regionális és teleszeizmikus földrengések

---

LTVH SN ES 0253 07.40  
CSKK SN ES 0253 13.60  
BUD XN ES 0253 11.53

**July 11 2012 Hour: 02:49:59.0 Lat: 45.25°N Lon: 151.69°E M: 5.3 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP C 0301 59.40  
CSKK SZ EP 0302 01.41  
PSZ SZ EP C 0301 56.03  
PSZ SZ ES 0310 18.81  
MORH SZ EP 0302 04.69  
MORH SZ ES 0310 05.92

**July 11 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0808 27.75  
MORH SN Sn 0808 44.48

**July 11 2012 Hour: 11:12:41.0 Lat: 25.99°S Lon: 177.14°W M: 5.6 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPP 1132 52.71  
BUD XZ EPP 1132 46.60  
CSKK SZ EPP 1132 42.55  
LTVH SZ EPP 1132 42.12  
MORH SZ EPP C 1132 51.95  
PSZ SZ EPP 1132 43.21  
TRPA SZ EPP C 1132 38.29

**July 12 2012 Hour: 02:20:23.0 Lat: 45.70°N Lon: 26.55°E M: 4.3 Depth: 114 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn D 0221 18.50  
PSZ SZ EPn 0221 36.36  
LTVH SN Sn 0222 17.12  
MORH SN Sn 0222 44.00  
PSZ SN Sn 0222 41.39  
MORH SZ EPn D 0221 44.07

**July 12 2012 Hour: 04:04:12.0 Lat: 0.51°S Lon: 19.82°W M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 0413 57.02  
BUD XZ EP 0414 08.76  
CSKK SZ EP 0414 10.02  
LTVH SZ EP 0414 05.82  
MORH SZ EP C 0414 01.53  
PSZ SZ EP C 0414 13.89  
TRPA SZ EP 0414 22.49

**July 12 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN ESg 0917 02.59  
PSZ SZ EPg 0916 53.52

**July 12 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1006 06.19  
 PSZ SN ESg 1006 09.11

**July 12 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1102 43.82  
 CSKK SE ESg 1102 46.88

**July 12 2012 Hour: 12:52:02.0 Lat: 45.47°N Lon: 151.74°E M: 5.7 Depth: 38 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 1304 08.86  
 BUD XZ EP 1305 00.77  
 CSKK SZ EP 1304 02.83  
 LTVH SZ EP C 1303 56.34  
 MORH SZ EP C 1304 06.54  
 PSZ SZ EP C 1303 56.81  
 TRPA SZ EP C 1303 50.78  
 TRPA SE ES 1313 40.35  
 PSZ SN ES 1313 52.79  
 MORH SN ES 1313 59.00  
 CSKK SN ES 1314 03.15

**July 12 2012 Hour: 14:00:34.0 Lat: 36.59°N Lon: 70.92°E M: 5.7 Depth: 190 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 1407 58.90  
 BUD XZ EP C 1407 45.67  
 CSKK SZ EP 1407 49.62  
 MORH SZ EP C 1407 48.10  
 LTVH SZ EP C 1407 31.37  
 PSZ SZ EP C 1407 40.80  
 TRPA SZ EP C 1407 26.05  
 LTVH SN ES 1413 10.06  
 BEHE SN ES 1413 54.70  
 TRPA SE ES 1413 08.38  
 TRPA SE ESS 1415 53.44  
 PSZ SN ES 1413 28.59  
 PSZ SN ESS 1416 22.07  
 MORH SN ES 1413 38.69  
 MORH SN ESS 1416 44.81  
 BUD XN ES 1413 29.43  
 BUD XN ESS 1416 44.81  
 BEHE SE ESS 1417 21.02

**July 12 2012 Hour: 21:18:32.0 Lat: 27.06°N Lon: 55.11°E M: 4.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 2125 03.74  
 BEHE SZ EP C 2124 37.58

**July 12 2012 Hour: 23:33:58.0 Lat: 26.83°N Lon: 59.54°E M: 4.7 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 2341 16.25

**July 13 2012 Hour: 04:50:45.0 Lat: 18.27°S Lon: 178.55°W M: 5.1 Depth: 652 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPP D 0509 21.97  
BUD XZ EPP D 0509 17.84  
CSKK SZ EPP 0509 18.40  
LTVH SZ EPP D 0509 16.65  
PSZ SZ EPP D 0509 16.18  
TRPA SZ EPP D 0509 12.92

**July 13 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPn C 0759 12.15  
CSKK SN ESg 0759 13.87

**July 13 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0759 24.55  
CSKK SN ESg 0759 25.66

**July 13 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0817 26.27  
PSZ SN ESg 0817 33.64

**July 13 2012 Hour: 22:37:23.0 Lat: 44.15°N Lon: 151.22°E M: 4.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP D 2249 29.36  
PSZ SZ EP C 2249 23.29  
TRPA SZ EP C 2249 17.10  
LTVH SZ EP C 2249 22.95  
PSZ SN ES 2259 25.55

**July 14 2012 Hour: 00:55:03.0 Lat: 34.57°N Lon: 47.48°E M: 4.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 0100 30.22

**July 14 2012 Hour: 03:43:58.0 Lat: 45.85°N Lon: 151.53°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 0356 07.74  
BUD XZ EP 0355 58.99  
CSKK SZ EP 0356 01.28  
LTVH SZ EP C 0355 55.24  
PSZ SZ EP C 0355 55.97  
TRPA SZ EP C 0355 48.89

**July 14 2012 Hour: 04:31:00.0 Lat: 45.69°N Lon: 151.54°E M: 5.4 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 0443 08.76  
BUD XZ EP C 0443 00.14  
CSKK SZ EP 0443 02.21  
LTVH SZ EP C 0442 55.57  
PSZ SZ EP C 0442 56.61  
TRPA SZ EP C 0442 49.80

**July 14 2012 Hour: 06:51:39.0 Lat: 45.44°N Lon: 151.46°E M: 5.0 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 0703 27.41  
 PSZ SZ IP 0703 33.93  
 CSKK SZ EP 0703 39.16  
 LTVH SZ EP 0703 37.50  
 BUD XZ EP C 0703 36.86

**July 14 2012 Hour: 08:05:27.0 Lat: 16.27°S Lon: 177.69°W M: 4.8 Depth: 400 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IPP D 0824 14.32  
 PSZ SZ IPP D 0824 18.10  
 LTVH SZ IPP 0824 18.64  
 CSKK SZ IPP D 0824 21.03  
 BUD XZ IPP D 0824 19.95  
 BEHE SZ IPP D 0824 24.04

**July 14 2012 Hour: 12:52:07.0 Lat: 42.61°N Lon: 23.08°E M: 4.5 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 1253 33.59  
 PSZ SZ EPn 1253 32.55  
 BUD XN Sn 1254 34.02  
 LTVH SZ EPn 1253 21.78  
 PSZ SN Sn 1254 37.81  
 CSKK SN Sn 1254 39.26  
 TRPA SN Sn 1254 33.93  
 TRPA SN ESg 1255 05.89  
 LTVH SN Sn 1254 16.98  
 LTVH SN ESg 1254 44.59  
 BEHE SN Sn 1254 42.16  
 BEHE SN ESg 1255 22.36  
 TRPA SZ EPn 1253 29.04  
 TRPA SZ EPg 1253 51.64  
 BUD XZ EPn 1253 30.45  
 BEHE SZ EPn 1253 35.08

**July 14 2012 Hour: 17:36:24.0 Lat: 45.47°N Lon: 151.91°E M: 5.2 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1748 16.08  
 PSZ SZ EP C 1748 22.50  
 LTVH SZ EP 1748 22.50  
 CSKK SZ EP 1748 28.05  
 BUD XZ EP 1748 26.45  
 BEHE SZ EP 1748 27.56

**July 14 2012 Hour: 18:48:35.0 Lat: 45.82°N Lon: 151.54°E M: 5.1 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1900 23.76  
 PSZ SZ EP C 1900 30.33  
 CSKK SZ EP 1900 36.20

**July 15 2012 Hour: 14:34:46.0 Lat: 43.29°N Lon: 146.42°E M: 5.3 Depth: 65 km**



STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 1446 29.67  
 PSZ SZ IP C 1446 37.10  
 MORH SZ IP C 1446 45.91  
 LTVH SZ EP 1446 41.23  
 CSKK SZ EP 1446 42.75  
 BUD XZ EP C 1446 40.27

**July 15 2012 Hour: 19:31:30.0 Lat: 36.19°N Lon: 139.70°E M: 5.0 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 1943 37.33

**July 16 2012 Hour: 03:08:33.0 Lat: 55.69°N Lon: 161.30°E M: 5.4 Depth: 108 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0319 57.15  
 BUD XZ EP C 0319 48.08  
 CSKK SZ EP 0319 50.63  
 LTVH SZ EP C 0319 44.96  
 MORH SZ EP C 0319 55.16  
 PSZ SZ EP C 0319 44.67  
 PSZ SE ES 0329 00.13  
 MORH SE ES 0329 45.77

**July 17 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg C 0932 50.27  
 PSZ SN ESg 0932 53.47

**July 17 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1120 41.26  
 CSKK SN ESg 1120 43.43

**July 17 2012 Hour: 15:12:38.3 Lat: 48.07°N Lon: 20.25°E M: 0.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN Sn 1512 48.82  
 PSZ SN ESg 1512 48.44  
 PSZ SZ EPg 1512 43.76

**July 18 2012 Hour: 04:33:59.0 Lat: 4.48°S Lon: 102.66°E M: 5.4 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0446 54.39  
 MORH SZ EP 0446 47.63  
 PSZ SZ EP C 0446 44.60

**July 18 2012 Hour: 08:09:46.0 Lat: 20.58°S Lon: 178.49°W M: 5.9 Depth: 542 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPP D 0828 38.89  
 BUD XZ EPP D 0828 35.36  
 CSKK SZ EPP 0828 35.95  
 LTVH SZ EPP D 0828 34.63  
 MORH SZ EPP D 0828 38.31  
 PSZ SZ EPP D 0828 34.19

TRPA SZ EPP D 0828 30.66

**July 18 2012 Hour: 19:37:21.0 Lat: 34.22°N Lon: 25.23°E M: 4.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1940 18.16

PSZ SZ EPn 1940 41.96

SOP SZ EPn 1940 53.64

CSKK SZ EPn 1940 42.05

**July 19 2012 Hour: 07:36:36.0 Lat: 37.32°N Lon: 71.45°E M: 5.5 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ IP C 0744 08.47

BEHE SZ EP 0744 38.43

BUD XZ IP C 0743 55.04

BUD XZ EP 0744 27.65

LTVH SZ IP 0743 40.31

LTVH SZ EP 0744 11.96

MORH SZ IP C 0743 56.68

MORH SZ EP 0744 31.08

PSZ SZ IP C 0743 50.13

PSZ SZ EP 0744 23.72

SOP SZ IP C 0744 08.80

SOP SZ EP 0744 33.04

TRPA SZ IP C 0743 35.72

TRPA SZ EP 0743 58.24

PSZ SN ES 0749 41.02

BUD XN ES 0749 51.80

SOP SN ES 0750 04.41

**July 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPg 0909 34.61

MORH SN ESg 0909 38.30

**July 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPg 0942 42.74

PSZ SN ESg 0942 47.37

**July 20 2012 Hour: 01:19:56.0 Lat: 49.35°N Lon: 156.05°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP C 0131 37.77

SOP SZ EP C 0131 51.63

PSZ SZ EP C 0131 44.08

MORH SZ EP 0131 53.44

CSKK SZ EP D 0131 50.03

BUD XZ EP 0131 48.22

**July 20 2012 Hour: 03:40:12.0 Lat: 49.43°N Lon: 155.80°E M: 5.3 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP C 0352 03.42

BEHE SZ EP 0352 12.71

CSKK SZ EP 0352 01.17

4. fejezet: Regionális és teleszeizmikus földrengések

---

MORH SZ EP C 0352 09.34  
LTVH SZ EP 0352 00.21  
PSZ SZ EP C 0352 00.21  
TRPA SZ EP C 0351 53.82  
SOP SZ EP C 0352 07.94  
PSZ SN ES 0401 56.95

**July 20 2012 Hour: 06:10:25.0 Lat: 49.42°N Lon: 155.92°E M: 6.0 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 0622 23.70  
BUD XZ EP C 0622 15.04  
CSKK SZ EP 0622 17.09  
MORH SZ EP C 0622 21.30  
PSZ SZ EP C 0622 11.43  
LTVH SZ EP C 0622 12.28  
SOP SZ EP C 0622 19.01  
TRPA SZ EP C 0622 05.18  
TRPA SN ES 0631 42.50  
SOP SN ES 0632 15.38  
SOP SN ESS 0637 14.04  
PSZ SN ES 0632 00.76  
PSZ SN ESS 0636 46.64  
MORH SN ES 0632 17.20  
MORH SN ESS 0637 21.35

**July 20 2012 Hour: 06:32:59.0 Lat: 49.34°N Lon: 156.20°E M: 5.9 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ IP C 0644 56.33  
BUD XZ IP C 0644 47.91  
CSKK SZ IP 0644 49.29  
LTVH SZ IP C 0644 43.77  
MORH SZ IP C 0644 53.71  
PSZ SZ IP C 0644 44.18  
SOP SZ IP C 0644 51.50  
TRPA SZ IP C 0644 37.83

**July 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0705 47.73  
CSKK SE ESg 0705 48.72

**July 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0706 03.35  
CSKK SN ESg 0706 04.64

**July 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0919 50.38

**July 20 2012 Hour: 14:03:12.0 Lat: 21.19°S Lon: 179.17°W M: 5.6 Depth: 612 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPP D 1421 55.96

TRPA SZ EPP D 1421 49.40  
 PSZ SZ EPP D 1421 52.60  
 MORH SZ EPP D 1421 56.76  
 LTVH SZ EPP 1421 52.92  
 CSKK SZ EPP 1421 54.68  
 BUD XZ EPP 1421 53.78  
 BEHE SZ EPP 1421 58.04

**July 20 2012 Hour: 18:54:10.0 Lat: 56.68°N Lon: 153.64°W M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1906 04.97  
 CSKK SZ EP D 1905 59.43

**July 20 2012 Hour: 20:51:35.0 Lat: 44.32°N Lon: 15.38°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2052 23.54  
 MORH SZ EPg 2052 30.43  
 PSZ SN Sn 2053 41.89  
 MORH SN Sn 2053 00.48  
 MORH SN ESg 2053 13.68  
 PSZ SZ EPn 2052 47.84

**July 21 2012 Hour: 06:12:02.0 Lat: 19.23°S Lon: 173.82°E M: 5.9 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPP 0631 31.69  
 SOP SZ EPP 0631 38.87  
 PSZ SZ EPP 0631 34.26  
 MORH SZ EPP 0631 40.09  
 CSKK SZ EPP 0631 37.25  
 BUD XZ EPP 0631 40.09  
 BEHE SZ EPP 0631 45.52

**July 21 2012 Hour: 20:47:46.0 Lat: 15.29°S Lon: 173.30°W M: 4.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPP C 2107 25.84  
 MORH SZ EPP C 2107 31.21

**July 21 2012 Hour: 23:31:37.0 Lat: 21.20°S Lon: 178.95°W M: 4.7 Depth: 607 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPP D 2350 22.68  
 SOP SZ EPP D 2350 22.04  
 CSKK SZ EPP 2350 21.24

**July 22 2012 Hour: 02:11:10.0 Lat: 25.06°N Lon: 96.40°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0221 44.35  
 PSZ SZ EP 0221 39.84  
 SOP SZ EP 0221 52.69

**July 22 2012 Hour: 04:41:57.0 Lat: 42.56°N Lon: 142.83°E M: 5.1 Depth: 58 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 0453 43.48  
 SOP SZ EP C 0453 52.47

TRPA SZ EP C 0453 36.04

**July 22 2012 Hour: 09:26:04.0 Lat: 37.55°N Lon: 36.38°E M: 4.6 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SN Sn 0932 59.58

BUD XZ EPn 0929 52.77

CSKK SZ EP 0930 00.27

CSKK SZ EPn 0929 59.47

PSZ SZ EPn C 0929 50.07

SOP SZ EPn 0930 11.59

TRPA SZ EPn D 0929 30.89

**July 22 2012 Hour: 10:16:28.0 Lat: 32.55°N Lon: 49.90°E M: 4.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP 1022 19.34

**July 22 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPg 1117 02.93

BEHE SN ESg 1117 12.80

**July 22 2012 Hour: 11:20:03.0 Lat: 12.94°N Lon: 50.26°E M: 4.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 1128 00.48

SOP SZ EP 1128 05.76

**July 22 2012 Hour: 17:05:41.0 Lat: 21.83°S Lon: 174.41°W M: 4.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EPP 1715 54.60

SOP SZ EPP C 1716 00.62

PSZ SZ EPP 1715 53.41

CSKK SZ EPP 1715 57.93

**July 23 2012 Hour: 06:54:37.0 Lat: 52.25°N Lon: 173.36°E M: 5.1 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP C 0706 35.09

BEHE SZ EP 0706 40.11

CSKK SZ EP 0706 36.50

PSZ SZ EP C 0706 31.84

MORH SZ EP 0706 37.86

SOP SZ EP C 0706 36.03

TRPA SZ EP C 0706 27.58

TRPA SN ES 0716 57.43

PSZ SE ES 0716 29.31

**July 24 2012 Hour: 06:50:06.0 Lat: 31.75°N Lon: 50.69°E M: 5.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP 0655 50.09

SOP SZ EP 0656 19.07

LTVH SZ EP C 0655 54.02

CSKK SZ EP 0656 11.72

TRPA SE ES 0700 36.16

**July 24 2012 Hour: 22:53:41.0 Lat: 38.76°N Lon: 43.47°E M: 4.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 2258 17.79  
 MORH SZ EP 2258 13.25

**July 25 2012 Hour: 00:27:42.0 Lat: 2.72°N Lon: 96.13°E M: 6.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 0039 37.09  
 TRPA SZ ES 0049 50.98  
 SOP SZ IP 0039 57.88  
 SOP SZ ES 0050 02.67  
 PSZ SZ IP 0039 45.03  
 PSZ SZ ES 0049 43.97  
 MORH SZ IP C 0039 48.81  
 MORH SZ ES 0049 36.95  
 CSKK SZ IP 0039 52.21  
 CSKK SZ ES 0049 58.00  
 BUD XZ IP C 0039 48.05  
 BUD XZ ES 0049 58.00  
 BEHE SZ IP C 0039 56.75  
 BEHE SZ ES 0050 19.04  
 TRPA SN ES 0049 18.24  
 SOP SN ES 0050 00.34  
 PSZ SN ES 0049 39.29  
 MORH SE ES 0049 46.31  
 BUD XN ES 0049 48.64  
 BEHE SN ES 0049 55.66

**July 25 2012 Hour: 11:20:28.0 Lat: 9.71°S Lon: 159.82°E M: 6.3 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPP 1139 40.76  
 SOP SZ ESS 1141 57.77  
 BEHE SZ EPP 1139 42.15  
 BUD XZ EPP 1139 40.11  
 CSKK SZ EPP 1139 37.25  
 MORH SZ EPP 1139 38.54  
 PSZ SZ EPP 1139 37.25  
 TRPA SZ EPP 1139 34.39  
 TRPA SE ESS 1151 21.50  
 SOP SE ESS 1152 02.83  
 PSZ SN ESS 1151 54.57  
 MORH SN ESS 1151 58.70

**July 25 2012 Hour: 21:28:18.0 Lat: 40.43°N Lon: 26.19°E M: 4.2 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2130 32.77  
 CSKK SZ EPn 2130 30.89  
 MORH SN Sn 2131 48.39  
 BEHE SN Sn 2132 01.00  
 MORH SZ EPn D 2130 24.39

**July 26 2012 Hour: 01:06:32.0 Lat: 38.37°N Lon: 74.04°E M: 5.3 Depth: 133 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ IP D 0113 38.29  
 MORH SZ IP D 0114 02.19  
 SOP SZ IP D 0114 11.55  
 CSKK SZ IP C 0114 03.27  
 BUD XZ IP 0113 58.58  
 BEHE SZ IP D 0114 12.27  
 TRPA SE ES 0120 15.05  
 SOP SN ES 0120 20.88  
 MORH SN ES 0120 02.66

**July 26 2012 Hour: 05:33:33.0 Lat: 17.76°S Lon: 66.44°E M: 6.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0545 36.58  
 BUD XZ EP 0545 33.53  
 CSKK SZ EP 0545 30.48  
 MORH SZ EP 0545 30.92  
 PSZ SZ EP 0545 33.97  
 TRPA SZ EP 0545 28.30  
 TRPA SN ES 0555 09.61  
 PSZ SN ES 0555 19.47  
 MORH SN ES 0555 15.41  
 BUD XN ES 0555 16.57  
 BEHE SN ES 0555 16.57  
 CSKK SN ES 0555 14.25

**July 26 2012 Hour: 10:20:06.0 Lat: 20.95°S Lon: 174.44°W M: 5.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPP 1039 54.02  
 PSZ SZ EPP 1039 57.33

**July 26 2012 Hour: 10:48:23.0 Lat: 21.13°S Lon: 169.53°E M: 5.6 Depth: 37 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPP C 1107 59.61  
 BUD XZ EPP C 1107 53.53  
 CSKK SZ EPP 1107 54.80  
 MORH SZ EPP C 1107 55.94  
 PSZ SZ EPP C 1107 50.42

**July 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2221 26.68  
 MORH SN ESg 2221 35.89  
 MORH SN Sn 2221 31.98  
 MORH SE Sn 2221 32.00

**July 27 2012 Hour: 03:37:56.0 Lat: 21.71°N Lon: 142.97°E M: 5.4 Depth: 300 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 0350 47.63  
 PSZ SZ EP C 0350 40.21

**July 27 2012 Hour: 23:12:22.0 Lat: 44.19°N Lon: 17.92°E M: 4.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPn 2313 13.95

SOP	SZ	EPn	D	2313	19.50
PSZ	SZ	EPn		2313	23.63
MORH	SZ	EPn	D	2312	57.86
BUD	XZ	EPn		2313	15.84
BEHE	SZ	EPn	D	2313	03.37
BUD	XN	Sn		2313	57.82
MORH	SN	Sn		2313	24.97
CSKK	SN	Sn		2313	50.77
SOP	SN	Sn		2314	02.49
SOP	SN	ESg		2314	23.06
PSZ	SN	Sn		2314	09.43
PSZ	SN	ESg		2314	33.19
BEHE	SN	Sn		2313	35.24
BEHE	SN	ESg		2313	41.76

**July 27 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn		2321	22.44											
MORH	SN	Sn		2321	54.75											

**July 27 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPg		2343	23.28											
MORH	SZ	Sn	D	2343	18.05											
MORH	SZ	EPn	D	2343	18.20											
MORH	SN	Sn		2343	44.74											
MORH	SN	ESg		2343	50.14											

**July 27 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn		2334	33.54											
MORH	SZ	EPg		2334	38.17											
MORH	SE	ESg		2335	04.42											

**July 27 2012 Hour: 23:42:43.0 Lat: 44.19°N Lon: 17.92°E M: 4.5 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EPn		2343	23.41											
CSKK	SZ	EPn		2343	32.56											
MORH	SZ	EPn		2343	17.79											
PSZ	SZ	EPn		2343	44.42											
SOP	SZ	EPn		2343	40.06											
SOP	SN	Sn		2344	21.25											
MORH	SN	Sn		2343	45.88											
BUD	XN	Sn		2344	15.63											
BUD	XZ	EPn		2343	36.40											
PSZ	SN	ESg		2344	52.36											
PSZ	SN	Sn		2344	28.74											
PKSG	SN	Sn		2344	10.22											
PKSG	SN	ESg		2344	28.66											
CSKK	SN	Sn		2344	15.84											
CSKK	SN	ESg		2344	26.38											
BEHE	SN	Sn		2343	54.00											
BEHE	SN	ESg		2344	02.32											



**July 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SE ESg 2351 08.14  
 MORH SZ EPn 2350 37.02  
 MORH SZ EPg 2350 41.37

**July 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 2350 37.10  
 MORH SN ESg 2350 42.09

**July 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 2358 14.52  
 MORH SZ EPn D 2358 09.60  
 MORH SN Sn 2358 36.14

**July 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 0031 49.52  
 MORH SZ EPn 0031 42.50  
 MORH SN Sn 0032 11.25

**July 28 2012 Hour: 00:35:25.0 Lat: 44.23°N Lon: 17.91°E M: 3.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0036 04.97  
 CSKK SZ EPn 0036 15.08  
 MORH SZ EPn 0035 59.31  
 PSZ SZ EPn 0036 24.58  
 SOP SZ EPn 0036 21.55  
 SOP SN Sn 0037 04.82  
 MORH SN Sn 0036 29.84  
 BEHE SN Sn 0036 35.30  
 PSZ SN Sn 0037 15.74  
 CSKK SN Sn 0036 51.48  
 CSKK SN ESg 0037 07.83

**July 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn D 0100 42.02  
 BEHE SZ EPn 0100 47.15  
 BEHE SN Sn 0101 18.78  
 MORH SN Sn 0101 09.12

**July 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn D 0137 56.69  
 MORH SE Sn 0138 25.58

**July 28 2012 Hour: 02:06:24.0 Lat: 44.21°N Lon: 17.90°E M: 3.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn D 0206 58.26

MORH SZ EPg 0207 02.83  
 BEHE SN Sn 0207 34.90  
 MORH SN Sn 0207 27.59  
 BEHE SZ EPn 0207 04.24  
 BEHE SZ EPg 0207 09.04

**July 28 2012 Hour: 11:23:41.0 Lat: 81.34°N Lon: 3.70°W M: 5.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1130 37.51  
 TRPA SZ EP 1130 34.29  
 CSKK SZ EP 1130 35.36

**July 28 2012 Hour: 13:22:05.0 Lat: 44.19°N Lon: 17.92°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1323 05.24  
 CSKK SZ EPn 1322 54.62  
 BEHE SZ EPn 1322 46.14  
 BEHE SN Sn 1323 13.98  
 PSZ SN Sn 1323 53.91

**July 28 2012 Hour: 13:44:35.0 Lat: 44.22°N Lon: 17.97°E M: 3.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1345 34.70  
 BEHE SZ EPn 1345 14.51  
 BEHE SN Sn 1345 45.81  
 CSKK SZ EPn 1345 25.90  
 CSKK SN Sn 1346 03.70

**July 28 2012 Hour: 16:01:12.0 Lat: 4.49°N Lon: 32.73°W M: 5.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP C 1611 20.90  
 TRPA SZ EP C 1611 46.27  
 PSZ SZ EP C 1611 35.81  
 SOP SE ES 1619 26.49  
 PSZ SE ES 1620 00.80  
 TRPA SE ES 1620 31.07

**July 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1710 06.32

**July 28 2012 Hour: 20:03:58.0 Lat: 4.60°S Lon: 153.17°E M: 6.5 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPP 2022 49.03  
 BEHE SZ EPP 2022 50.77  
 BEHE SZ IPP 2024 33.60  
 BUD XZ EPP 2022 48.85  
 BUD XZ IPP 2024 22.08  
 PSZ SZ EPP 2022 46.76  
 PSZ SZ IPP 2024 18.93  
 SOPP SZ EPP 2022 47.11  
 SOPP SZ IPP 2024 30.45  
 TRPA SZ EPP 2022 44.49

TRPA SZ IPP 2024 06.36

**July 29 2012 Hour: 02:21:13.0 Lat: 22.95°N Lon: 94.34°E M: 5.7 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 0231 20.08  
 SOP SZ EP D 0231 46.86  
 PSZ SZ EP D 0231 32.11  
 MORH SZ EP D 0231 38.71  
 CSKK SZ EP 0231 34.82  
 BUD XZ EP 0231 35.60  
 BEHE SZ EP D 0231 47.44  
 TRPA SN ES 0239 32.54  
 SOP SN ES 0240 22.41  
 PSZ SN ES 0239 54.46  
 MORH SN ES 0240 04.33  
 BEHE SN ES 0240 24.60

**July 29 2012 Hour: 09:20:55.0 Lat: 47.42°N Lon: 139.09°E M: 5.7 Depth: 506 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 0931 16.23  
 TRPA SZ EPP 0933 00.65  
 TRPA SZ IS 0939 42.09  
 SOP SZ EP D 0931 33.39  
 SOP SZ EPP 0933 18.92  
 SOP SZ IS 0939 50.84  
 PSZ SZ EP D 0931 24.04  
 PSZ SZ EPP 0933 08.48  
 PSZ SZ IS 0940 13.58  
 MORH SZ EP D 0931 33.59  
 MORH SZ EPP 0933 16.31  
 MORH SZ IS 0940 11.83  
 CSKK SZ EP 0931 30.92  
 CSKK SZ EPP 0933 17.87  
 CSKK SZ IS 0940 14.01  
 BUD XZ EP 0931 27.94  
 BUD XZ EPP 0933 16.83  
 BUD XZ IS 0940 25.82  
 BEHE SZ EP D 0931 37.49  
 BEHE SZ EPP 0933 21.53  
 BEHE SZ IS 0940 47.25

**July 29 2012 Hour: 16:53:53.0 Lat: 44.21°N Lon: 17.92°E M: 3.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1654 28.28  
 PSZ SZ EPn 1654 54.46  
 SOP SZ EPn 1654 49.92  
 CSKK SZ EPn 1654 43.17  
 CSKK SN Sn 1655 21.84  
 SOP SN Sn 1655 32.77  
 SOP SN ESg 1655 50.46  
 PSZ SN Sn 1655 42.19  
 PSZ SN ESg 1656 03.03  
 MORH SN Sn 1654 54.87

MORH SN ESg 1655 01.27

**July 30 2012 Hour: 09:01:17.0 Lat: 44.18°N Lon: 17.91°E M: 4.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EPn 0902 13.99

CSKK SZ EPn 0902 08.24

BEHE SZ EPn 0901 58.23

MORH SN Sn 0902 19.95

BEHE SN Sn 0902 28.87

BUD XN Sn 0902 52.45

BUD XN ESg 0903 06.21

PSZ SN Sn 0903 07.72

PSZ SN ESg 0903 27.22

SOP SN Sn 0902 55.66

SOP SN ESg 0903 15.43

CSKK SN Sn 0902 49.04

CSKK SN ESg 0903 01.22

MORH SZ EPn D 0901 52.42

PSZ SZ EPn D 0902 18.24

BUD XZ EPn D 0902 10.15

**July 30 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPg 1038 22.90

PSZ SN ESg 1038 26.01

**July 30 2012 Hour: 19:45:38.0 Lat: 44.22°N Lon: 18.03°E M: 3.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SN Sn 1947 07.44

CSKK SZ EPn 1946 27.91

CSKK SZ EPg 1946 37.18

PSZ SN Sn 1947 37.53

PSZ SN EPn 1947 25.82

PSZ SN ESg 1947 46.38

MORH SN Sn 1946 38.44

MORH SN ESg 1946 45.04

MORH SZ EPn D 1946 11.90

MORH SZ EPg 1946 16.46

PSZ SZ EPn D 1946 37.95

**July 30 2012 Hour: 22:30:42.0 Lat: 50.64°N Lon: 87.40°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 2238 40.00

SOP SZ EP 2238 57.88

TRPA SZ EP 2238 26.94

MORH SZ EP 2238 55.13

CSKK SZ EP 2238 50.66

BUD XZ EP 2238 54.61

**July 30 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SE Sn 2336 05.78

MORH SZ EPn 2335 36.17

MORH SZ EPg 2335 40.26

**July 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 0123 37.07

PSZ SZ EPn 0124 01.89

MORH SN Sn 0124 03.56

PSZ SN Sn 0124 57.70

**July 31 2012 Hour: 08:08:39.0 Lat: 44.20°N Lon: 17.94°E M: 3.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 0809 40.54

MORH SZ EPn D 0809 14.68

MORH SZ EPg 0809 19.31

MORH SN Sn 0809 40.91

MORH SE ESg 0809 46.35

PSZ SN Sn 0810 28.68

PSZ SN ESg 0810 48.12

**July 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn C 0902 04.88

MORH SZ EPg 0902 09.68

MORH SN Sn 0902 35.58

**July 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 1124 36.98

PSZ SZ EPg 1124 37.97

PSZ SN Sn 1124 43.27

**July 31 2012 Hour: 23:12:13.0 Lat: 38.69°N Lon: 43.09°E M: 4.3 Depth: 19 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 2316 41.72

PSZ SZ EP 2316 36.57

**August 01 2012 Hour: 09:52:22.0 Lat: 39.76°N Lon: 75.51°E M: 5.1 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 1000 02.54

MORH SZ EPP 1001 43.48

PSZ SZ EPP 1001 31.19

**August 02 2012 Hour: 06:50:22.0 Lat: 51.60°N Lon: 16.23°E M: 3.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 0651 29.99

PSZ SZ IPg 0651 48.09

SOP SZ EPn 0651 23.35

PSZ SN Sn 0652 22.67

PSZ SE ESg 0652 44.59

SOP SN Sn 0652 11.64

SOP SN ESg 0652 29.40

**August 02 2012 Hour: 09:38:32.0 Lat: 8.45°S Lon: 74.34°W M: 6.0 Depth: 153 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		D 0951	51.18											
BUD	XZ	EP		D 0951	50.90											
BEHE	SZ	EP		D 0951	46.53											
SOP	SE	IS		1002	03.03											
MORH	SE	IS		1002	13.08											
BUD	XE	IS		1002	07.05											
BEHE	SN	IS		1002	01.02											
SOP	SZ	EP		D 0951	44.88											
CSKK	SZ	EP		0951	51.19											

**August 02 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPg		0957	42.52											
CSKK	SN	ESg		0957	45.48											

**August 02 2012 Hour: 09:56:44.0 Lat: 4.96°S Lon: 153.27°E M: 6.0 Depth: 67 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	IP		1015	32.45											
BEHE	SZ	IP		C 1015	34.16											
BEHE	SZ	EP		1017	03.39											
BUD	XZ	IP		1015	30.32											
BUD	XZ	EP		1017	05.10											
MORH	SZ	IP		C 1015	32.45											
MORH	SZ	EP		1017	10.65											
PSZ	SZ	IP		C 1015	28.61											
PSZ	SZ	EP		1016	55.71											
SOP	SZ	IP		C 1015	32.45											
SOP	SZ	EP		1017	07.66											
TRPA	SZ	IP		C 1015	25.19											
TRPA	SZ	EP		1016	47.59											
SOP	SE	ES		1027	15.44											
PSZ	SN	ES		1027	17.46											
MORH	SN	ES		1027	27.56											

**August 02 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPg		1024	12.09											
PSZ	SN	ESg		1024	16.82											

**August 02 2012 Hour: 10:30:39.0 Lat: 39.27°N Lon: 23.71°E M: 4.2 Depth: 24 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn		1032	35.16											
MORH	SE	Sn		1034	05.51											

**August 02 2012 Hour: 19:06:13.0 Lat: 26.14°N Lon: 96.32°E M: 5.0 Depth: 60 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		C 1916	35.03											

**August 02 2012 Hour: 23:34:41.0 Lat: 15.79°S Lon: 177.59°W M: 4.4 Depth: 455 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		C 2353	30.04											
PSZ	SZ	EP		C 2353	26.56											

TRPA SZ EP C 2353 21.03  
SOP SZ EP 2353 28.84

**August 03 2012 Hour: 02:52:19.0 Lat: 16.80°S Lon: 174.09°W M: 4.8 Depth: 112 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 0311 52.92  
PSZ SZ EP 0311 48.06  
SOP SZ EP 0311 50.20  
TRPA SZ EP D 0311 44.63

**August 03 2012 Hour: 04:08:58.0 Lat: 7.02°S Lon: 155.75°E M: 5.5 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0427 56.36  
PSZ SZ EP C 0428 05.86

**August 03 2012 Hour: 05:08:35.0 Lat: 17.02°S Lon: 176.82°W M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0528 25.52  
PSZ SZ EP 0528 19.95

**August 03 2012 Hour: 06:06:10.0 Lat: 76.34°S Lon: 164.56°E M: 5.0 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0625 48.95  
PSZ SZ EP 0625 53.34  
SOP SZ EP C 0625 55.23

**August 03 2012 Hour: 10:00:44.0 Lat: 39.41°N Lon: 143.48°E M: 4.9 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1012 58.52  
PSZ SZ EP C 1012 49.41  
MORH SN ES 1023 07.99  
PSZ SN ES 1023 00.79

**August 03 2012 Hour: 10:18:20.0 Lat: 38.71°N Lon: 28.03°E M: 4.7 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn C 1020 48.31  
CSKK SZ EPn 1021 03.75  
PSZ SZ EPn 1020 58.22  
PSZ SN Sn 1023 17.93  
MORH SN Sn 1023 05.32

**August 03 2012 Hour: 10:21:19.0 Lat: 39.35°N Lon: 142.04°E M: 4.9 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 1033 17.03  
MORH SZ EP C 1033 26.54

**August 03 2012 Hour: 19:57:27.0 Lat: 43.98°N Lon: 16.77°E M: 4.6 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPn 1958 51.49  
SOP SN Sn 1959 01.59  
CSKK SZ EPn 1958 20.33  
PSZ SZ EPn 1958 32.40  
SOP SZ EPn 1958 22.53

MORH SZ EPn	1958 06.08
MORH SZ EPg	1958 13.29
BUD XZ EPn	1958 23.73
BUD XZ EPg	1958 36.79
BEHE SZ EPn	1958 06.40
BEHE SZ EPg	1958 14.87
CSKK SN Sn	1959 02.66
MORH SN Sn	1958 38.72
PSZ SN Sn	1959 29.65
TRPA SN Sn	2000 00.06
BUD XN Sn	1959 11.03
BUD XN ESg	1959 30.98
BEHE SN Sn	1958 41.10
BEHE SN ESg	1958 53.73

**August 03 2012 Hour: 22:30:54.0 Lat: 44.01°N Lon: 16.74°E M: 3.7 Depth: 20 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SN	Sn		2232	03.88											
PSZ	SN	Sn		2232	48.97											
MORH	SN	Sn		2232	16.06											
MORH	SN	EPn		2232	09.79											
CSKK	SN	Sn		2232	46.53											
CSKK	SN	EPn		2232	30.66											
SOP	SN	EPn		2232	31.26											
TRPA	SN	Sn		2232	50.80											
TRPA	SN	EPn		2233	25.92											
BEHE	SZ	EPn		2231	33.98											
CSKK	SZ	EPn		2231	48.12											
MORH	SZ	EPn		2231	33.89											
SOP	SZ	EPn		2231	50.26											
PSZ	SZ	EPn		2232	00.09											
TRPA	SZ	EPn		2232	18.63											

**August 04 2012 Hour: 02:00:29.0 Lat: 1.82°S Lon: 100.36°E M: 5.2 Depth: 64 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP	C	0213	07.62											
CSKK	SZ	EP		0213	02.90											
MORH	SZ	EP		0213	00.26											
PSZ	SZ	EP	C	0212	57.61											
TRPA	SZ	EP	C	0212	48.74											

**August 04 2012 Hour: 02:23:51.0 Lat: 38.71°N Lon: 28.08°E M: 4.2 Depth: 7 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		0229	16.77											
MORH	SZ	EPn		0226	18.80											

**August 04 2012 Hour: 11:24:12.0 Lat: 4.92°N Lon: 93.6°E M: 5.3 Depth: 1 15 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP		1136	06.95											
CSKK	SZ	EP		1136	06.95											
MORH	SZ	EP	D	1136	07.21											
PSZ	SZ	EP	D	1136	04.00											
TRPA	SZ	EP	D	1136	02.14											



**August 05 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0409 45.18  
MORH SN Sn 0410 17.51

**August 05 2012 Hour: 11:27:59.0 Lat: 5.00°N Lon: 96.34°E M: 4.6 Depth: 164 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 1139 35.08

**August 05 2012 Hour: 13:55:11.0 Lat: 21.09°S Lon: 178.29°W M: 5.9 Depth: 487 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1414 01.90  
BUD XZ EP 1414 06.47  
PSZ SZ EP 1414 04.47  
SOP SZ EP D 1414 07.18  
TRPA SZ EP D 1414 01.04  
CSKK SZ EP 1414 03.05

**August 05 2012 Hour: 20:37:23.0 Lat: 37.44°N Lon: 42.93°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2041 37.90  
TRPA SZ ES 2045 11.46  
SOP SZ EP C 2042 16.36  
SOP SZ ES 2045 37.57  
PSZ SZ EP C 2041 54.34  
PSZ SZ ES 2045 42.67  
CSKK SZ EP 2042 03.33  
CSKK SZ ES 2045 46.49  
BEHE SZ EP C 2042 10.47  
BEHE SZ ES 2046 03.68  
SOP SN ES 2046 17.93  
BUD XZ EP C 2041 58.41  
BUD XZ ES D 2045 47.59

**August 05 2012 Hour: 21:36:19.0 Lat: 44.22°N Lon: 17.92°E M: 2.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2136 59.21  
SOP SN Sn 2137 58.54  
PSZ SN Sn 2138 05.71  
SOP SZ EPn 2137 15.66  
BEHE SN Sn 2137 29.89  
PSZ SZ EPn 2137 20.81

**August 06 2012 Hour: 02:57:14.0 Lat: 56.58°N Lon: 11.94°E M: 4.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 0259 38.92  
PSZ SZ EP 0259 37.26  
TRPA SZ EP 0259 44.86  
TRPA SN Sn 0301 37.27  
PSZ SN Sn 0301 30.91  
CSKK SN Sn 0301 32.50

**August 06 2012 Hour: 03:28:23.0 Lat: 29.56°N Lon: 130.65°E M: 5.1 Depth: 47 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 0340 30.48  
 SOP SZ EP C 0340 43.14  
 TRPA SZ EP C 0340 24.35

**August 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0624 26.24  
 CSKK SN ESg 0624 27.58  
 CSKK SE ESg 0624 27.59

**August 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg C 0625 01.02  
 CSKK SE ESg 0625 02.87  
 CSKK SN ESg 0625 02.97

**August 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 0625 25.88  
 CSKK SE ESg 0625 27.39

**August 07 2012 Hour: 00:17:55.0 Lat: 30.39°N Lon: 94.88°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0027 38.96  
 MORH SZ EP C 0027 58.85

**August 07 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 0943 15.93  
 MORH SZ EPn D 0942 45.73  
 MORH SZ EPg 0942 50.26

**August 07 2012 Hour: 23:47:59.0 Lat: 17.57°S Lon: 178.83°W M: 4.7 Depth: 500 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0006 38.49  
 SOP SZ EP C 0006 46.27  
 PSZ SZ EP C 0006 42.32  
 MORH SZ EP C 0006 46.83  
 LTVH SZ EP C 0006 41.63  
 CSKK SZ EP 0006 44.83  
 BUD XZ EP 0006 44.20  
 BEHE SZ EP 0006 42.19

**August 08 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 0649 45.05  
 PSZ SN ESg 0650 52.14

**August 08 2012 Hour: 07:11:02.0 Lat: 25.88°N Lon: 124.91°E M: 5.5 Depth: 141 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP D 0723 12.12

BUD XZ EP 0723 12.12  
 CSKK SZ EP 0723 07.29  
 MORH SZ EP D 0723 07.29  
 PSZ SZ EP D 0722 58.12  
 SOP SZ EP D 0723 09.47  
 TRPA SZ EP D 0722 49.92

**August 08 2012 Hour: 10:57:44.0 Lat: 16.00°S Lon: 178.07°E M: 5.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP 1117 17.09  
 SOP SZ EP D 1117 18.94  
 MORH SZ EP D 1117 19.18  
 BEHE SZ EP D 1117 20.56

**August 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 0435 18.80  
 PSZ SN Sn 0435 27.23  
 MORH SN Sn 0435 49.12  
 MORH SZ EPn 0435 31.73

**August 09 2012 Hour: 07:09:46.0 Lat: 33.11°S Lon: 15.88°W M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 0722 21.50  
 PSZ SZ EP C 0722 31.05  
 TRPA SZ EP C 0722 35.45  
 SOP SZ EP 0722 25.11  
 LTVH SZ EP 0722 31.05  
 CSKK SZ EP 0722 25.76  
 BUD XZ EP 0722 25.76

**August 10 2012 Hour: 03:31:28.0 Lat: 44.19°N Lon: 17.95°E M: 3.0 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn D 0332 29.29  
 BEHE SN Sn 0332 41.00  
 PSZ SN Sn 0333 17.28  
 BEHE SZ IPg C 0332 09.50  
 BEHE SZ EPn C 0332 09.50

**August 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPg 0406 06.34

**August 10 2012 Hour: 04:41:42.0 Lat: 1.92°N Lon: 96.96°E M: 5.2 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP C 0453 49.16  
 CSKK SZ EP C 0453 55.89  
 PSZ SN ES 0503 50.65  
 CSKK SN ES 0504 02.57

**August 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP C 0722 03.16

CSKK SN ESg 0722 04.36

**August 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EP C 0722 18.33

CSKK SE ESg 0722 19.94

**August 10 2012 Hour: 10:45:18.0 Lat: 44.21°N Lon: 17.95°E M: 3.2 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

CSKK SZ EPn 1046 08.84

PSZ SZ EPn 1046 18.55

PSZ SE ESg 1047 28.11

PSZ SE Sn 1047 06.66

CSKK SN ESg 1046 59.36

CSKK SN Sn 1046 46.55

**August 10 2012 Hour: 18:37:43.0 Lat: 52.69°N Lon: 167.43°W M: 6.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EP C 1849 54.27

SOP SZ ES 1900 09.82

PSZ SZ EP C 1849 51.27

PSZ SZ ES 1859 57.52

TRPA SZ EP C 1849 48.27

TRPA SZ ES 1859 56.72

LTVH SZ EP C 1849 52.99

LTVH SZ ES 1859 56.72

CSKK SZ EP 1849 49.55

CSKK SZ ES 1901 02.88

BEHE SZ EP C 1849 58.57

BEHE SZ ES 1859 47.26

BUD XZ EP C 1849 53.42

BUD XZ ES 1859 47.26

**August 10 2012 Hour: 19:06:37.2 Lat: 36.64°N Lon: 27.64°E M: 2.1 Depth: 84 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 1909 06.56

CSKK SZ EPn 1909 16.58

BEHE SN Sn 1911 45.80

**August 11 2012 Hour: 09:34:25.0 Lat: 40.06°N Lon: 78.18°E M: 5.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPP 0942 10.82

PSZ SZ ES 0952 20.84

LTVH SZ EPP C 0942 01.23

LTVH SZ ES 0952 14.78

CSKK SZ EPP 0942 19.13

CSKK SZ ES 0952 04.69

BEHE SZ EPP C 0942 29.36

BEHE SZ ES 0952 14.78

BEHE SZ IP 0944 12.92

BUD XZ EPP C 0942 16.89

BUD XZ ES 0951 16.25

BUD XZ IP 0943 57.65

PSZ SN IP 0943 49.47  
 TRPA SZ EPP C 0941 55.48  
 TRPA SZ ES 0952 04.69  
 TRPA SZ IP 0943 32.83  
 SOP SZ EPP C 0942 28.72  
 SOP SZ ES 0952 28.91  
 SOP SZ IP 0944 12.10

**August 11 2012 Hour: 12:23:18.0 Lat: 38.41°N Lon: 46.81°E M: 6.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1228 27.13  
 BEHE SZ ES 1232 46.32  
 CSKK SZ EP 1228 20.51  
 CSKK SZ ES 1232 49.37  
 LTVH SZ EP D 1227 53.11  
 LTVH SZ ES 1231 33.00  
 MORH SZ EP D 1228 13.58  
 MORH SZ ES 1232 15.77  
 PSZ SZ EP D 1228 09.07  
 PSZ SZ ES 1232 15.77  
 SOP SZ EP D 1228 30.44  
 SOP SZ ES 1232 46.32  
 TRPA SZ EP D 1227 51.00  
 TRPA SZ ES 1231 39.11  
 BUD XZ EP 1228 14.69  
 BUD XZ ES 1233 07.70

**August 11 2012 Hour: 12:34:36.0 Lat: 38.44°N Lon: 46.75°E M: 6.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1239 44.58  
 CSKK SZ EP 1239 36.40  
 LTVH SZ EP C 1239 11.58  
 MORH SZ EP 1239 32.00  
 PSZ SZ EP 1239 27.60  
 SOP SZ EP 1239 47.40  
 TRPA SZ EP C 1239 10.32  
 TRPA SN ES 1242 59.79

**August 11 2012 Hour: 13:14:09.0 Lat: 38.50°N Lon: 46.80°E M: 4.6 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1318 40.10  
 SOP SZ EP 1319 18.98  
 PSZ SZ EP 1318 57.86  
 MORH SZ EP 1319 02.58

**August 11 2012 Hour: 15:21:16.0 Lat: 38.45°N Lon: 46.90°E M: 4.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1526 10.77  
 PSZ SZ EP 1526 06.51  
 TRPA SZ EP D 1525 48.32

**August 11 2012 Hour: 15:43:23.0 Lat: 38.53°N Lon: 46.78°E M: 4.9 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP	C	1547	53.32
SOP SZ EP	C	1548	32.67
PSZ SZ EP	C	1548	11.23
MORH SZ EP	C	1548	15.76
CSKK SZ EP		1548	16.76
LTVH SZ EP	C	1547	54.82
BEHE SZ EP	D	1548	29.82
BUD XZ EP		1548	15.76
PSZ SE ES		1552	07.08
SOP SN ES		1552	52.76
MORH SE ES	C	1552	22.55

**August 11 2012 Hour: 17:47:30.0 Lat: 52.21°N Lon: 31.46°W M: 5.3 Depth: 3 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP		C	1754		17.14									
SOP	SZ	EP		C	1753		47.95									
PSZ	SZ	EP		C	1754		05.17									
MORH	SZ	EP			1754		04.07									
LTVH	SZ	EP		C	1754		17.75									
CSKK	SZ	EP			1754		00.40									
BUD	XZ	EP			1754		01.26									
BEHE	SZ	EP		C	1753		52.83									

**August 11 2012 Hour: 22:24:04.0 Lat: 38.54°N Lon: 46.73°E M: 5.1 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP			2229		14.60									
BUD	XZ	EP		D	2228		58.62									
CSKK	SZ	EP			2229		04.72									
LTVH	SZ	EP		D	2228		39.43									
MORH	SZ	EP		D	2228		59.20									
PSZ	SZ	EP		D	2228		54.26									
SOP	SZ	EP		D	2229		15.48									
TRPA	SZ	EP		D	2228		35.94									
PSZ	SN	ES			2232		56.39									
SOP	SN	ES			2233		33.88									
TRPA	SN	ES			2232		24.69									
LTVH	SN	ES			2233		17.21									
CSKK	SN	ES			2233		13.77									
BUD	XN	ES			2233		03.63									

**August 11 2012 Hour: 23:41:02.8 Lat: 44.59°N Lon: 149.34°E M: 4.8 Depth: 48 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BUD	XZ	EP			2353		04.56									
SOP	SZ	EP		D	2353		03.95									

**August 11 2012 Hour: 23:56:38.0 Lat: 49.85°N Lon: 18.51°E M: 3.1 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EPn			2357		18.23									
MORH	SZ	EPn			2357		33.89									
PSZ	SZ	EPn			2357		13.97									
SOP	SZ	EPn			2357		17.62									
TRPA	SZ	EPn			2357		26.29									
SOP	SN	Sn			2357		49.86									

4. fejezet: Regionális és teleszeizmikus földrengések

---

TRPA SN Sn 2358 13.28  
MORH SN Sn 2358 13.28  
CSKK SN Sn 2357 48.49  
PSZ SE Sn 2357 42.39

**August 12 2012 Hour: 01:21:37.0 Lat: 41.72°N Lon: 16.17°E M: 4.1 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPn 0123 01.28  
MORH SZ EPn 0122 49.84  
PSZ SZ EPn 0123 13.33  
BEHE SZ EPn 0122 52.01  
BEHE SZ ESg 0123 08.01  
MORH SN ESg 0123 09.40  
MORH SN Sn 0123 48.05  
PSZ SN Sn 0124 30.11  
CSKK SE Sn 0124 12.23  
BEHE SN Sn 0123 45.83

**August 12 2012 Hour: 10:47:05.0 Lat: 35.76°N Lon: 82.68°E M: 6.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP D 1055 54.84  
SOP SZ ES 1102 58.81  
PSZ SN ESS 1105 59.56  
MORH SN ESS 1106 18.18  
LTVH SN ESS 1105 49.70  
BUD XN ESS 1106 11.61  
BEHE SN ESS 1106 35.71  
SOP SN ESS 1106 38.99  
SOP SN EPP 1057 48.70  
PSZ SZ EP D 1055 37.87  
PSZ SZ ES 1102 34.71  
PSZ SZ EPP 1057 31.23  
MORH SZ EP 1055 45.77  
MORH SZ ES 1102 42.38  
MORH SZ EPP 1057 37.61  
LTVH SZ EP D 1055 29.39  
LTVH SZ ES 1102 28.14  
LTVH SZ EPP 1057 30.22  
CSKK SZ EP 1055 46.65  
CSKK SZ ES 1102 40.19  
CSKK SZ ESS D 1106 21.47  
CSKK SZ EPP 1057 38.29  
BUD XZ EP 1055 42.55  
BUD XZ ES 1102 39.09  
BUD XZ EPP 1057 32.24  
BEHE SZ EP 1055 55.42  
BEHE SZ ES 1103 02.10  
BEHE SZ EPP 1057 48.37

**August 13 2012 Hour: 01:56:12.0 Lat: 38.43°N Lon: 46.67°E M: 4.6 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0201 07.63  
PSZ SZ EP 0201 04.11

**August 13 2012 Hour: 20:33:05.0 Lat: 35.14°N Lon: 73.85°E M: 5.1 Depth: 80 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 2040 57.42  
 MORH SZ EP C 2040 52.60

**August 14 2012 Hour: 02:06:49.0 Lat: 23.96°N Lon: 122.56°E M: 4.8 Depth: 30 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 0218 58.43  
 MORH SZ EP C 0219 06.41  
 BUD XZ EP 0219 02.96

**August 14 2012 Hour: 02:59:40.0 Lat: 49.84°N Lon: 145.06°E M: 7.7 Depth: 611 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 0310 06.72  
 CSKK SZ ES 0318 43.55  
 CSKK SZ EPP 0312 23.46  
 SOP SZ EP D 0310 09.44  
 SOP SZ ESS 0322 38.02  
 SOP SZ EPP 0312 13.27  
 SOP SZ ES 0318 45.78  
 PSZ SZ EP D 0309 59.48  
 PSZ SZ ES 0318 35.40  
 PSZ SZ EPP 0312 13.27  
 PSZ SZ ESS 0322 29.98  
 MORH SZ EP D 0310 13.06  
 MORH SZ ES 0319 11.60  
 MORH SZ EPP 0312 23.46  
 MORH SZ ESS 0322 39.81  
 LTVH SZ EP D 0310 00.39  
 LTVH SZ ES 0318 37.21  
 LTVH SZ EPP 0312 15.39  
 LTVH SZ ESS 0322 24.62  
 BUD XZ EP 0311 04.65  
 BUD XZ ES 0319 30.61  
 BUD XZ EPP 0313 05.94  
 BUD XZ ESS 0323 33.40  
 BEHE SZ EP D 0310 14.87  
 BEHE SZ ES 0318 53.50  
 BEHE SZ EPP 0313 05.94  
 BEHE SZ ESS 0322 35.34

**August 14 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 0656 17.67  
 PSZ SN ESg 0656 19.93

**August 14 2012 Hour: 14:02:26.0 Lat: 38.43°N Lon: 46.83°E M: 5.1 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP D 1407 38.46  
 TRPA SZ EP D 1406 58.91  
 PSZ SZ EP D 1407 17.40  
 LTVH SZ EP D 1407 01.48



CSKK SZ EP 1407 27.16  
 BUD XZ EP 1408 21.85  
 BEHE SZ EP D 1407 35.63  
 BEHE SN ES 1411 51.42  
 BUD XN ES 1411 27.99  
 PSZ SN ES 1411 19.96  
 TRPA SN ES 1410 39.79  
 SOP SN ES 1411 53.43  
 CSKK SN ES 1411 37.37  
 LTVH SN ES 1411 02.56

**August 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1808 13.89  
 CSKK SN ESg 1808 16.54

**August 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1945 37.02  
 PSZ SN ESg D 1945 40.70

**August 15 2012 Hour: 10:04:29.0 Lat: 57.87°N Lon: 32.79°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1010 50.30  
 BUD XZ EP 1010 58.70  
 CSKK SZ EP 1010 59.58  
 LTVH SZ EP 1010 52.95  
 PSZ SZ EP 1010 56.05  
 SOP SZ EP 1010 42.78  
 TRPA SZ EP 1011 09.31  
 TRPA SN ES 1016 43.72  
 SOP SN ES 1015 46.03  
 PSZ SN ES 1016 17.91  
 LTVH SN ES C 1016 10.32  
 CSKK SN ES 1016 11.08  
 BUD XN ES 1016 11.84  
 BEHE SN ES 1016 01.97

**August 15 2012 Hour: 17:49:06.0 Lat: 38.52°N Lon: 46.77°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP D 1755 01.16  
 SOP SZ EP C 1754 18.49  
 TRPA SZ EP C 1753 38.75  
 TRPA SZ ES 1757 19.55  
 PSZ SZ EP 1753 56.91  
 PSZ SZ ES 1758 07.28  
 LTVH SZ EP 1753 43.88  
 LTVH SZ ES 1757 40.30  
 BEHE SZ EP 1754 16.63  
 BEHE SZ ES 1758 42.55  
 CSKK SZ EP 1754 11.55  
 CSKK SZ ES 1755 56.55  
 SOP SN ES 1758 37.83

PSZ SN ES 1758 00.92  
 CSKK SN ES 1758 13.65  
 BUD XN ES 1758 09.83  
 BEHE SN ES 1758 30.20

**August 15 2012 Hour: 19:44:00.0 Lat: 44.85°N Lon: 13.31°E M: 2.9 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1944 47.45  
 BEHE SN Sn 1945 24.17

**August 16 2012 Hour: 06:35:40.0 Lat: 18.54°S Lon: 177.82°W M: 5.0 Depth: 581 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP D 0654 22.87  
 PSZ SZ EP D 0654 19.52  
 MORH SZ EP D 0654 24.02  
 LTVH SZ EP 0654 24.25  
 BEHE SZ EP C 0654 25.75  
 CSKK SZ EP C 0654 22.17

**August 16 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 1231 27.76  
 MORH SE ESg 1231 31.40

**August 16 2012 Hour: 14:14:31.0 Lat: 0.30°S Lon: 18.79°W M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP C 1424 16.01  
 PSZ SZ EP C 1424 28.38  
 MORH SZ EP C 1424 15.34  
 LTVH SZ EP 1424 19.16  
 CSKK SZ EP 1424 19.09  
 BUD XZ EP C 1424 23.36  
 BEHE SZ EP C 1424 10.62

**August 16 2012 Hour: 17:14:16.0 Lat: 38.49°N Lon: 46.84°E M: 4.6 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP D 1719 26.40  
 PSZ SZ EP D 1719 05.14  
 MORH SZ EP D 1719 09.52  
 LTVH SZ EP 1719 10.74  
 CSKK SZ EP 1719 11.24  
 BUD XZ EP D 1719 09.02  
 BEHE SZ EP C 1719 24.38  
 PSZ SN ES 1723 19.28  
 MORH SN ES 1723 17.57

**August 17 2012 Hour: 00:12:10.0 Lat: 0.32°S Lon: 18.72°W M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0021 50.15  
 CSKK SZ EP 0021 58.87  
 LTVH SZ EP C 0022 12.40  
 MORH SZ EP C 0021 54.86  
 SOP SZ EP C 0021 55.31

PSZ SZ EP C 0022 07.41

**August 17 2012 Hour: 02:56:59.0 Lat: 49.70°N Lon: 18.37°E M: 2.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 0257 34.20

PSZ SN Sn 0258 04.15

MORH SZ EPn 0257 52.88

MORH SN Sn 0258 34.61

**August 17 2012 Hour: 07:24:38.0 Lat: 41.26°N Lon: 141.94°E M: 4.9 Depth: 74 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP 0736 30.33

CSKK SZ EP 0736 35.82

MORH SZ EP C 0736 35.82

PSZ SZ EP C 0736 26.27

SOP SZ EP C 0736 35.82

TRPA SZ EP C 0736 19.36

**August 17 2012 Hour: 20:20:03.0 Lat: 23.42°N Lon: 121.55°E M: 5.0 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 2032 19.72

**August 18 2012 Hour: 06:51:42.0 Lat: 28.45°N Lon: 138.72°E M: 4.9 Depth: 534 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 0703 28.29

MORH SZ EP C 0703 35.48

**August 18 2012 Hour: 17:45:02.0 Lat: 17.45°S Lon: 173.08°W M: 5.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP C 1804 47.99

BUD XZ EP 1804 43.63

LTVH SZ EP C 1804 42.54

PSZ SZ EP C 1804 41.86

MORH SZ EP 1804 44.45

TRPA SZ EP C 1804 39.27

SOP SZ EP 1804 41.59

**August 19 2012 Hour: 01:56:59.0 Lat: 5.18°N Lon: 94.76°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP C 0208 58.95

BUD XZ EP C 0208 50.37

LTVH SZ EP C 0208 40.02

MORH SZ EP C 0208 50.47

PSZ SZ EP C 0208 47.61

TRPA SZ EP C 0208 37.95

SOP SZ EP C 0209 00.03

**August 19 2012 Hour: 06:36:08.0 Lat: 42.41°N Lon: 21.37°E M: 2.8 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 0637 15.79

MORH SE Sn 0638 07.33

**August 19 2012 Hour: 08:07:35.0 Lat: 47.79°N Lon: 128.61°W M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0819 49.85  
 PSZ SN ES 0830 00.08

**August 19 2012 Hour: 17:45:09.0 Lat: 39.81°N Lon: 16.04°E M: 3.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1746 46.65  
 MORH SN Sn 1748 01.84

**August 19 2012 Hour: 22:41:51.0 Lat: 4.81°S Lon: 144.58°E M: 6.2 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2300 28.65  
 LTVH SZ EP 2300 23.54  
 MORH SZ EP 2300 27.57  
 PSZ SZ EP 2300 25.02  
 SOP SZ EP 2300 28.92  
 TRPA SZ EP D 2300 21.25

**August 20 2012 Hour: 11:42:45.0 Lat: 35.92°N Lon: 140.19°E M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1154 48.53  
 SOP SZ EP C 1155 04.99  
 PSZ SZ EP C 1154 56.00  
 LTVH SZ EP 1154 50.16  
 CSKK SZ EP 1154 52.65  
 BEHE SZ EP C 1155 08.02

**August 20 2012 Hour: 11:42:45.0 Lat: 35.92°N Lon: 140.19°E M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP C 1154 59.17

**August 20 2012 Hour: 16:42:49.0 Lat: 37.01°N Lon: 141.38°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP D 1655 11.88  
 TRPA SZ EP D 1654 55.25  
 PSZ SZ EP D 1655 02.95  
 LTVH SZ EP 1655 00.44  
 CSKK SZ EP 1654 58.93  
 BUD XZ EP 1655 02.60  
 BEHE SZ EP 1655 13.98

**August 21 2012 Hour: 03:09:40.0 Lat: 4.80°S Lon: 102.93°E M: 5.5 Depth: 74 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0322 18.81  
 SOP SZ EP C 0322 36.48  
 PSZ SZ EP C 0322 26.93  
 MORH SZ EP C 0322 29.31  
 LTVH SZ EP C 0322 20.72  
 CSKK SZ EP 0322 21.91  
 BUD XZ EP 0322 29.08  
 BEHE SZ EP C 0322 36.24

**August 21 2012 Hour: 17:39:37.0 Lat: 0.08°S Lon: 92.03°E M: 5.6 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BUD	XZ	EP		1751	40.26											
SOP	SZ	EP	D	1751	48.97											
SOP	SZ	ES		1801	49.47											
PSZ	SZ	EP	D	1751	37.36											
PSZ	SZ	ES		1801	31.30											
MORH	SZ	EP	D	1751	38.94											
MORH	SZ	ES		1801	41.40											
LTVH	SZ	EP	D	1751	28.39											
LTVH	SZ	ES		1801	27.27											
CSKK	SZ	EP		1751	31.29											
CSKK	SZ	ES		1801	21.21											
BEHE	SZ	EP	D	1751	47.12											
BEHE	SZ	ES		1801	45.43											
TRPA	SZ	EP	D	1751	27.87											
TRPA	SZ	ES	D	1801	06.61											

**August 22 2012 Hour: 01:33:05.0 Lat: 42.51°N Lon: 142.82°E M: 5.0 Depth: 52 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP	C	0144	44.27											
SOP	SZ	EP	C	0145	01.17											
PSZ	SZ	EP	C	0144	51.63											
MORH	SZ	EP	C	0145	01.44											
LTVH	SZ	EP	C	0144	49.45											
CSKK	SZ	EP		0144	49.45											
BUD	XZ	EP		0144	37.73											
BEHE	SZ	EP	C	0145	05.53											

**August 22 2012 Hour: 10:13:54.0 Lat: 19.83°S Lon: 173.75°W M: 5.2 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP		1033	54.30											
BUD	XZ	EP		1033	46.40											
CSKK	SZ	EP		1033	40.54											
LTVH	SZ	EP	C	1033	45.13											
MORH	SZ	EP	C	1033	48.44											
PSZ	SZ	EP	C	1033	44.62											
SOP	SZ	EP	C	1033	47.67											
TRPA	SZ	EP	C	1033	41.81											

**August 23 2012 Hour: 02:33:15.0 Lat: 44.21°N Lon: 17.90°E M: 2.7 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPn	D	0234	16.69											
BEHE	SN	Sn		0234	25.52											
BEHE	SZ	EPn		0233	55.56											
MORH	SZ	EPn		0233	50.58											
MORH	SZ	EPg		0233	55.46											
PSZ	SN	Sn		0235	05.13											
MORH	SN	Sn		0234	18.06											
MORH	SN	ESg		0234	23.54											
BEHE	SE	ESg		0234	33.74											

**August 23 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
------	----	--------	---	------	-------	------	--------	------	-------	------	-----	----	------	---	-----	------

PSZ SZ EPg 1309 56.17  
 PSZ SN ESg 1309 59.07

**August 23 2012 Hour: 16:30:19.0 Lat: 28.60°N Lon: 82.77°E M: 5.2 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1639 33.20

**August 23 2012 Hour: 20:09:10.0 Lat: 49.79°N Lon: 18.53°E M: 2.2 Depth: 5 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SN Sn 2010 23.72  
 PSZ SZ EPn 2009 45.89  
 SOP SZ EPn 2009 51.70  
 PSZ SN Sn 2010 13.30  
 PSZ SN ESg 2010 18.78

**August 24 2012 Hour: 04:43:49.0 Lat: 27.21°S Lon: 176.77°W M: 5.7 Depth: 20 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 0503 42.82  
 TRPA SZ EP 0503 38.05  
 PSZ SZ EP 0503 40.48  
 SOP SZ EP 0503 41.61

**August 24 2012 Hour: 10:01:54.0 Lat: 33.39°S Lon: 179.46°W M: 5.7 Depth: 40 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1021 46.26  
 BUD XZ EP 1021 45.61  
 LTVH SZ EP C 1021 44.30  
 MORH SZ EP C 1021 47.79  
 PSZ SZ EP C 1021 46.05  
 SOP SZ EP C 1021 48.01  
 TRPA SZ EP 1021 43.64

**August 24 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1538 53.37  
 MORH SN Sn 1539 23.73

**August 25 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0445 06.19  
 MORH SE Sn 0445 37.92

**August 25 2012 Hour: 05:59:09.0 Lat: 44.22°N Lon: 17.87°E M: 2.4 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0559 44.01  
 MORH SN Sn 0600 10.60  
 PSZ SZ EPn 0600 10.15  
 PSZ SN Sn 0600 56.50

**August 25 2012 Hour: 14:16:15.0 Lat: 42.50°N Lon: 142.94°E M: 5.9 Depth: 40 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1427 56.49  
 TRPA SZ ES 1437 27.64

SOP SZ EP C 1428 12.45  
 SOP SZ ES 1438 13.20  
 PSZ SZ EP C 1428 03.07  
 PSZ SZ ES 1437 42.13  
 LTVH SZ EP 1428 00.68  
 LTVH SZ ES 1437 40.06  
 MORH SZ EP 1428 13.25  
 MORH SZ ES 1437 52.49  
 BUD XZ EP 1428 18.44  
 BUD XZ ES 1437 44.21  
 BEHE SZ EP D 1428 20.43

**August 25 2012 Hour: 15:36:32.0 Lat: 51.48°N Lon: 16.05°E M: 3.8 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1537 52.78  
 PSZ SZ EPn 1537 37.33  
 SOP SZ EPn 1537 33.28  
 PSZ SN Sn 1538 31.48  
 MORH SN Sn 1539 02.84  
 SOP SN Sn 1538 18.82  
 SOP SN ESg 1538 37.21

**August 25 2012 Hour: 18:37:00.0 Lat: 37.01°N Lon: 140.91°E M: 5.0 Depth: 89 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1849 10.75  
 PSZ SZ EP C 1849 02.05  
 TRPA SZ EP C 1848 54.40

**August 26 2012 Hour: 15:05:37.0 Lat: 2.24°N Lon: 126.87°E M: 6.6 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 1519 15.88  
 SOP SZ ES 1529 46.06  
 PSZ SZ EP 1519 10.57  
 PSZ SZ ES 1529 42.66  
 MORH SZ EP 1519 17.02  
 MORH SZ ES 1529 44.92  
 LTVH SZ EP 1519 05.45  
 LTVH SZ ES 1529 39.26  
 BUD XZ EP C 1519 14.36  
 BUD XZ ES 1529 06.41  
 BEHE SZ EP 1519 13.60  
 BEHE SZ ES 1529 44.92

**August 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0758 36.59  
 PSZ SN ESg 0758 43.17

**August 27 2012 Hour: 09:05:01.0 Lat: 12.22°N Lon: 88.33°W M: 5.1 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0914 09.12  
 MORH SZ EP D 0913 59.53

**August 27 2012 Hour: 16:26:51.0 Lat: 41.40°N Lon: 22.44°E M: 3.6 Depth: 4 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1628 13.30  
 PSZ SZ EPn 1628 30.21  
 MORH SN Sn 1629 12.65  
 PSZ SN Sn 1629 46.07

**August 28 2012 Hour: 01:21:55.0 Lat: 44.22°N Lon: 17.93°E M: 3.1 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0122 36.11  
 MORH SZ EPn 0122 30.31  
 PSZ SZ EPn 0122 55.46  
 SOP SZ EPn 0122 51.76  
 SOP SN Sn 0123 33.62  
 BEHE SN Sn 0123 04.78  
 PSZ SN Sn 0123 43.16  
 MORH SN Sn 0122 57.65  
 BUD XN Sn 0123 30.39  
 BUD XZ EPn 0122 48.15

**August 28 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg C 0615 29.52  
 MORH SN ESg 0615 35.46  
 MORH SN IP 0615 32.22

**August 28 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1008 00.39  
 PSZ SN ESg 1008 03.48

**August 28 2012 Hour: 13:55:07.0 Lat: 36.36°N Lon: 141.64°E M: 4.9 Depth: 32 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 1407 20.40  
 TRPA SZ EP 1407 13.07

**August 28 2012 Hour: 14:10:40.0 Lat: 44.20°N Lon: 17.88°E M: 3.2 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1411 21.50  
 MORH SZ EPn 1411 15.70  
 PSZ SZ EPn D 1411 41.80  
 BEHE SN Sn 1411 51.71  
 MORH SN Sn 1411 42.58  
 PSZ SN Sn 1412 26.31

**August 28 2012 Hour: 15:34:57.0 Lat: 63.58°N Lon: 147.78°W M: 4.1 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1545 58.85  
 SOP SZ EP 1546 00.33  
 PSZ SZ EP C 1545 59.84

**August 28 2012 Hour: 15:51:05.0 Lat: 4.46°N Lon: 92.97°E M: 5.3 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7



TRPA SZ EP D 1602 39.12  
PSZ SZ EP 1602 49.38  
MORH SZ EP 1602 52.16

**August 28 2012 Hour: 21:03:25.0 Lat: 44.18°N Lon: 17.90°E M: 2.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2104 07.74  
MORH SN Sn 2104 27.42  
BEHE SN Sn 2104 34.37  
PSZ SN Sn 2105 14.63  
MORH SZ EPn D 2104 00.62  
PSZ SZ EPn D 2104 26.77

**August 28 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn D 2123 57.92  
MORH SN Sn 2124 24.47

**August 28 2012 Hour: 23:12:15.0 Lat: 38.18°N Lon: 15.92°E M: 4.6 Depth: 45 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2314 11.57  
PSZ SZ EPn 2314 38.16  
SOP SZ EPn 2314 30.49  
TRPA SZ EPn 2314 49.92  
MORH SN Sn 2315 43.72  
SOP SN Sn 2316 11.07  
TRPA SN Sn 2316 51.52  
PSZ SE Sn 2316 31.15  
BEHE SN Sn 2315 43.14  
BEHE SZ EPn 2314 13.62

**August 28 2012 Hour: 23:44:42.0 Lat: 43.27°N Lon: 19.98°E M: 2.6 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2345 30.95  
MORH SE Sn 2346 08.40

**August 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0919 59.15  
PSZ SN ESg 0920 04.17

**August 29 2012 Hour: 19:05:11.0 Lat: 38.49°N Lon: 141.78°E M: 5.5 Depth: 48 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 1917 26.62  
BUD XZ EP 1917 17.29  
LTVH SZ EP C 1917 11.44  
PSZ SZ EP C 1917 14.04  
MORH SZ EP C 1917 21.85  
SOP SZ EP C 1917 23.15

**August 29 2012 Hour: 19:25:43.0 Lat: 44.20°N Lon: 17.91°E M: 2.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SN Sn 1926 47.96

MORH SZ EPn D 1926 17.79  
 MORH SZ EPg 1926 22.69

**August 00 2012 Hour: 13:43:23.0 Lat: 71.52°N Lon: 10.61°W M: 6.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1349 21.34  
 TRPA SZ ES 1354 25.81  
 SOP SZ EP 1349 09.53  
 SOP SZ ES 1354 11.37  
 PSZ SZ EP 1349 14.78  
 PSZ SZ ES 1354 23.18  
 MORH SZ EP 1349 25.28  
 MORH SZ ES 1354 20.56  
 LTVH SZ EP 1349 26.59  
 LTVH SZ ES 1354 16.62  
 BUD XZ EP 1349 20.03  
 BUD XZ ES 1354 14.00  
 BEHE SZ EP 1349 17.40  
 BEHE SZ ES 1354 32.37

**August 31 2012 Hour: 00:35:36.0 Lat: 3.78°N Lon: 32.17°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0046 10.56  
 PSZ SZ EP 0046 00.12

**August 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 0834 10.84  
 PSZ SN Sn 0834 34.05

**August 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1038 25.68  
 MORH SN Sn 1038 37.86

**August 31 2012 Hour: 12:47:32.0 Lat: 10.86°N Lon: 126.68°E M: 7.6 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ IP C 1300 57.13  
 BEHE SZ ES 1312 12.28  
 BEHE SZ EPP 1304 50.66  
 BUD XZ IP C 1300 47.95  
 BUD XZ ES 1311 32.09  
 BUD XZ EPP 1304 36.56  
 LTVH SZ IP C 1300 39.88  
 LTVH SZ ES 1311 42.14  
 LTVH SZ EPP 1304 29.20  
 MORH SZ IP 1300 51.01  
 MORH SZ ES 1311 48.83  
 MORH SZ EPP 1304 34.72  
 PSZ SZ IP C 1300 45.72  
 PSZ SZ ES 1311 53.86  
 PSZ SZ EPP D 1304 26.13  
 SOP SZ IP 1300 54.90

SOP SZ ES 1313 02.53  
 SOP SZ EPP 1304 43.30  
 TRPA SZ IP C 1300 36.54  
 TRPA SZ ES 1311 22.04  
 TRPA SZ EPP 1304 04.67  
 TRPA SZ ESS 1317 50.98  
 PSZ SE ESS 1318 05.68  
 LTVH SN ESS 1318 17.45  
 BUD XN ESS 1318 08.62  
 BEHE SN ESS 1318 30.68

**August 31 2012 Hour: 18:38:55.0 Lat: 13.23°N Lon: 50.50°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1846 45.64  
 TRPA SZ EPP 1848 24.36  
 MORH SZ EP D 1846 49.98  
 MORH SZ EPP 1848 28.86  
 BUD XZ EP C 1846 53.93  
 BUD XZ EPP 1848 35.32

**August 31 2012 Hour: 20:22:06.0 Lat: 45.51°N Lon: 26.34°E M: 4.1 Depth: 127 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2023 24.79  
 MORH SN Sn 2024 24.62

**August 31 2012 Hour: 21:11:50.0 Lat: 41.86°N Lon: 20.20°E M: 3.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 2113 52.37  
 MORH SZ EPn 2112 59.85

**August 31 2012 Hour: 23:37:58.0 Lat: 10.43°N Lon: 126.75°E M: 5.7 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2351 01.41  
 TRPA SZ EPP 2354 42.63  
 SOP SZ EP 2351 18.35  
 SOP SZ EPP 2355 26.57  
 PSZ SZ EP D 2351 08.71  
 PSZ SZ EPP 2354 42.63  
 MORH SZ EP D 2351 15.87  
 MORH SZ EPP 2355 07.28  
 LTVH SZ EP 2351 04.48  
 LTVH SZ EPP 2355 11.57  
 BEHE SZ EP 2351 20.98  
 BEHE SZ EPP 2355 33.00  
 BUD XZ EP 2351 13.82  
 BUD XZ EPP 2355 01.92  
 BUD XZ IS 2402 48.74

**September 01 2012 Hour: 00:01:57.0 Lat: 22.02°S Lon: 170.17°E M: 5.0 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0021 34.56  
 LTVH SZ EP 0021 27.76  
 BEHE SZ EP 0021 05.96

BUD XZ EP 0020 59.68

**September 01 2012 Hour: 00:25:02.0 Lat: 10.24°N Lon: 126.47°E M: 5.3 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 0038 14.15

SOP SZ EP 0038 25.22

BUD XZ EP 0038 14.26

**September 01 2012 Hour: 01:16:08.0 Lat: 10.50°N Lon: 126.72°E M: 5.7 Depth: 32 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 0129 26.13

TRPA SZ EPP 0132 52.46

SOP SZ EP D 0129 44.42

SOP SZ EPP 0133 10.14

PSZ SZ EP D 0129 34.87

PSZ SZ EPP 0133 03.95

MORH SZ EP 0129 40.93

MORH SZ EPP 0133 14.56

LTVH SZ EP D 0129 29.86

LTVH SZ EPP 0133 10.14

CSKK SZ EP 0129 30.56

CSKK SZ EPP 0133 15.44

BUD XZ EP D 0129 37.67

BUD XZ EPP 0133 17.21

BEHE SZ EP D 0129 46.40

BEHE SZ EPP 0133 29.58

**September 01 2012 Hour: 03:37:00.0 Lat: 44.20°N Lon: 17.90°E M: 2.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 0338 01.51

MORH SN Sn 0338 03.30

MORH SE Sn 0338 03.43

PSZ SE Sn 0338 49.30

MORH SZ EPn 0337 35.84

MORH SZ ESg 0337 40.46

**September 01 2012 Hour: 05:09:45.0 Lat: 6.75°N Lon: 72.90°W M: 5.1 Depth: 163 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP D 0522 08.71

**September 01 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1348 25.04

MORH SE Sn 1348 53.31

PSZ SZ EPn 1348 50.76

PSZ SN Sn 1349 25.13

**September 02 2012 Hour: 00:50:02.0 Lat: 33.51°N Lon: 60.01°E M: 5.1 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP C 0056 23.44

MORH SZ EP C 0056 42.69

**September 02 2012 Hour: 12:44:02.0 Lat: 78.46°N Lon: 6.83°E M: 5.4 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP		1250	32.26											
BUD	XZ	EP		1251	23.76											
LTVH	SZ	EP		1250	36.74											
MORH	SZ	EP		1250	34.78											
PSZ	SZ	EP		1250	20.22											
TRPA	SZ	EP	D	1250	19.38											
MORH	SN	ES		1255	44.92											
SOP	SZ	EP	D	1250	21.90											
SOP	SZ	ES		1255	06.44											
PSZ	SN	ES		1254	54.02											

**September 03 2012 Hour: 18:23:04.0 Lat: 10.85°S Lon: 113.91°E M: 6.3 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP		1836	57.94											
BUD	XZ	EP		1836	54.00											
LTVH	SZ	EP		1836	47.11											
MORH	SZ	EP		1836	51.54											
PSZ	SZ	EP		1836	52.03											
SOP	SZ	EP		1836	46.82											
TRPA	SZ	EP		1836	41.20											
BEHE	SN	ES		1841	11.14											
BUD	XN	ES	D	1841	01.04											
LTVH	SN	ES		1840	47.99											
MORH	SN	ES		1841	05.25											
PSZ	SN	ES	D	1840	55.99											
TRPA	SN	ES		1840	46.52											

**September 03 2012 Hour: 18:36:07.8 Lat: 38.73°S Lon: 124.59°E M: 3.3 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP		1847	57.86											
BUD	XZ	EP		1847	32.96											
LTVH	SZ	EP		1847	21.17											
MORH	SZ	EP		1847	27.72											
PSZ	SZ	EP		1847	27.72											
SOP	SZ	EP		1847	32.96											
TRPA	SZ	EP		1847	15.93											

**September 04 2012 Hour: 00:50:53.0 Lat: 10.43°N Lon: 126.94°E M: 5.4 Depth: 36 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BUD	XZ	EP		0102	04.21											

**September 04 2012 Hour: 00:50:53.0 Lat: 10.43°N Lon: 126.94°E M: 5.4 Depth: 36 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP		0103	57.26											
PSZ	SZ	EP		0104	03.95											
MORH	SZ	EP		0104	11.00											
BEHE	SZ	EP		0104	26.35											
LTVH	SZ	EP		0104	02.25											
TRPA	SN	ES		0114	55.26											
PSZ	SN	ES		0115	08.25											
MORH	SN	ES		0115	20.24											

**September 04 2012 Hour: 02:07:47.0 Lat: 44.23°N Lon: 17.95°E M: 3.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0208 28.21  
 BUD XZ EPn 0208 41.15  
 LTVH SZ EPn 0208 31.35  
 TRPA SZ EPn 0209 04.87  
 LTVH SN Sn 0209 24.86  
 MORH SN Sn 0208 46.44  
 PSZ SN Sn 0209 34.47  
 TRPA SN Sn 0210 03.21  
 BUD XN Sn 0209 19.88  
 BEHE SE Sn 0208 57.42  
 BEHE SE ESg 0209 07.43  
 MORH SZ EPn D 0208 22.50  
 PSZ SZ EPn D 0208 48.47

**September 04 2012 Hour: 06:43:01.0 Lat: 10.72°N Lon: 126.92°E M: 5.4 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 0656 18.13  
 PSZ SZ EP 0656 11.95

**September 04 2012 Hour: 06:58:02.0 Lat: 10.61°N Lon: 126.78°E M: 5.5 Depth: 36 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0711 25.15  
 BUD XZ EP 0711 17.03  
 LTVH SZ EP 0711 11.22  
 TRPA SZ EP D 0711 05.19  
 PSZ SZ EP D 0711 13.39  
 MORH SZ EP D 0711 19.47

**September 04 2012 Hour: 09:58:11.0 Lat: 10.50°N Lon: 126.88°E M: 5.4 Depth: 36 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1011 15.32  
 PSZ SZ EP 1011 24.45  
 BUD XZ EP 1011 34.09  
 BEHE SZ EP 1011 34.44

**September 04 2012 Hour: 15:08:55.7 Lat: 10.98°N Lon: 127.35°E M: 4.5 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP D 1524 24.60  
 MORH SZ EP 1524 30.38  
 BUD XZ EP 1524 29.01

**September 04 2012 Hour: 22:43:42.0 Lat: 41.13°N Lon: 19.80°E M: 4.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2245 07.84  
 BUD XZ EPn 2245 11.85  
 LTVH SZ EPn 2245 14.63  
 PSZ SZ EPn 2245 21.42  
 SOP SZ EPn 2245 27.91  
 TRPA SZ EPn 2245 29.76  
 MORH SN Sn 2246 01.23  
 PSZ SN Sn 2246 38.38

4. fejezet: Regionális és teleszeizmikus földrengések

---

BUD XN Sn 2246 28.60  
BEHE SN Sn 2246 14.27  
MORH SZ EPn D 2244 59.15

**September 05 2012 Hour: 00:24:52.0 Lat: 19.32°N Lon: 64.45°W M: 5.0 Depth: 34 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0048 44.42  
PSZ SZ EP 0048 38.17  
TRPA SZ EP 0048 31.55

**September 05 2012 Hour: 05:17:43.0 Lat: 42.87°N Lon: 17.73°E M: 2.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0518 37.44  
MORH SN Sn 0519 19.62

**September 05 2012 Hour: 13:09:10.0 Lat: 12.47°S Lon: 166.50°E M: 6.0 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1331 10.76

**September 05 2012 Hour: 14:42:10.0 Lat: 10.16°N Lon: 85.39°W M: 7.6 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 1455 10.76  
BEHE SZ IP 1458 59.21  
BEHE SZ IS 1506 42.74  
BUD XZ EP 1455 19.32  
BUD XZ IP 1458 58.84  
BUD XZ IS 1507 23.67  
LTVH SZ EP 1455 27.13  
LTVH SZ IP 1458 59.96  
LTVH SZ IS 1507 23.67  
MORH SZ EP 1455 17.83  
MORH SZ IP 1459 01.07  
MORH SZ IS 1507 29.25  
PSZ SZ EP 1455 18.95  
PSZ SZ IP 1458 59.21  
PSZ SZ IS 1507 32.97  
SOP SZ EP 1455 11.51  
SOP SZ IP D 1458 59.96  
SOP SZ IS 1506 50.19  
TRPA SZ EP 1455 27.13  
TRPA SZ IP 1458 59.96  
TRPA SZ IS 1507 49.72  
TRPA SN ESS C 1512 58.51  
SOP SN ESS 1512 21.66  
PSZ SN ESS 1512 44.77  
MORH SN ESS 1513 00.38  
LTVH SN ESS 1513 15.37  
BUD XN ESS 1512 36.65  
BEHE SN ESS 1512 42.90

**September 05 2012 Hour: 20:36:33.0 Lat: 11.91°N Lon: 46.30°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 2044 17.13

PSZ SZ EP 2044 22.73  
TRPA SZ EP 2044 15.05

**September 06 2012 Hour: 01:57:13.0 Lat: 27.18°N Lon: 54.04°E M: 5.3 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 0203 55.27  
MORH SZ EP 0203 51.30  
TRPA SZ EP D 0203 37.70  
SOP SZ EP D 0204 09.69  
PSZ SZ EP D 0203 52.71  
BUD XZ EP D 0203 55.74  
BEHE SZ EP C 0204 04.03

**September 06 2012 Hour: 03:43:46.0 Lat: 27.17°N Lon: 54.07°E M: 4.9 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 0350 24.70  
PSZ SZ EP 0350 27.89  
BEHE SZ EP 0350 39.51

**September 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN Sn 0404 28.72  
SOP SZ EPn 0404 10.95  
PSZ SZ EPn 0404 11.42

**September 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN ESg 0706 12.71  
PSZ SZ EPg 0706 10.86

**September 06 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 0807 20.58  
PSZ SN ESg 0807 35.39  
PSZ SN Sn 0807 31.99

**September 06 2012 Hour: 20:42:59.0 Lat: 68.73°N Lon: 16.97°W M: 4.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 2048 48.82  
SOP SZ EP 2048 41.34

**September 06 2012 Hour: 22:52:41.0 Lat: 44.23°N Lon: 17.90°E M: 2.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2253 16.69  
PSZ SZ EPn 2253 42.28  
MORH SN Sn 2253 43.87  
PSZ SN Sn 2254 30.93

**September 07 2012 Hour: 03:19:42.0 Lat: 27.59°N Lon: 104.02°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0330 20.43  
SOP SZ EP 0330 44.70  
PSZ SZ EP D 0330 32.18



MORH SZ EP	0330 38.82
LTVH SZ EP	0330 38.51
BUD XZ EP	0330 36.35
BEHE SZ EP	0330 45.32
TRPA SN ES	0339 00.55
SOP SN ES	0339 46.75
PSZ SN ES	0339 20.24
MORH SE ES	0339 35.39
LTVH SN ES	0339 52.05
BUD XN ES	0339 31.60
BEHE SN ES	D 0339 48.26

**September 07 2012 Hour: 04:16:30.0 Lat: 27.66°N Lon: 104.06°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BUD XZ EP	0427 22.99
PSZ SZ EP	0427 19.79
LTVH SZ EP	0427 11.80
MORH SZ EP	C 0427 27.07
SOP SZ EP	C 0427 33.11
TRPA SZ EP	C 0427 07.89
BEHE SZ EP	0427 12.16

**September 07 2012 Hour: 06:58:59.0 Lat: 6.84°S Lon: 72.22°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ IP	0710 17.39
MORH SZ IP	0710 17.11
BEHE SZ IP	0710 20.50

**September 08 2012 Hour: 10:51:43.0 Lat: 3.13°S Lon: 135.15°E M: 6.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BEHE SZ EP	1121 22.00
MORH SZ EP	1121 18.07
TRPA SZ EP	1121 25.44

**September 08 2012 Hour: 20:29:31.0 Lat: 10.10°N Lon: 85.28°W M: 5.8 Depth: 33 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BEHE SZ EP	2042 35.43
MORH SZ EP	2042 36.72
PSZ SZ EP	2042 39.70
SOP SZ EP	2042 33.19

**September 09 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EPg	0142 25.28
CSKK SN ESg	0142 26.90

**September 09 2012 Hour: 02:43:06.0 Lat: 43.80°N Lon: 18.57°E M: 2.8 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BEHE SZ EPn	0243 56.25
SOP SZ EPn	0244 10.38
MORH SN Sn	0244 15.88
BEHE SN Sn	0244 29.99
SOP SN Sn	0245 00.95

PSZ SN Sn D 0245 00.26  
 PSZ SN ESg 0245 23.65  
 BEHE SE ESg 0244 45.30  
 MORH SZ EPn D 0243 46.89  
 PSZ SZ EPn 0244 11.58

**September 09 2012 Hour: 05:39:20.0 Lat: 49.51°N Lon: 155.50°E M: 5.9 Depth: 57 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0551 11.98  
 CSKK SZ EP 0551 06.17  
 LTVH SZ EP 0551 12.91  
 MORH SZ EP C 0551 08.49  
 PSZ SZ EP 0550 59.42  
 TRPA SZ EP C 0550 53.37  
 SOP SZ EP 0551 07.07  
 SOP SN IS 0600 59.35  
 PSZ SN ES 0600 42.25  
 MORH SN ES 0601 02.67

**September 09 2012 Hour: 07:26:06.0 Lat: 36.85°N Lon: 24.47°E M: 4.3 Depth: 122 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0728 30.48  
 MORH SN Sn 0730 19.09  
 PSZ SN Sn 0730 45.32  
 PSZ SZ EPn 0728 48.46

**September 09 2012 Hour: 09:39:14.0 Lat: 11.03°S Lon: 113.75°E M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ IP C 0948 46.98  
 BUD XZ IP 0948 38.87  
 LTVH SZ IP C 0948 33.60  
 MORH SZ IP C 0948 44.55  
 PSZ SZ IP C 0948 34.81  
 SOP SZ IP C 0948 42.11  
 TRPA SZ IP C 0948 27.92

**September 09 2012 Hour: 19:23:51.0 Lat: 52.84°N Lon: 175.02°E M: 5.5 Depth: 120 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 1935 23.49  
 MORH SZ EP 1934 14.65  
 PSZ SZ EP 1934 51.37  
 SOP SZ EP 1935 34.76  
 TRPA SZ EP 1934 45.53

**September 09 2012 Hour: 21:20:33.0 Lat: 36.88°N Lon: 78.79°E M: 4.9 Depth: 0 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 2128 48.92  
 SOP SZ EP 2128 55.27  
 TRPA SZ EP D 2128 25.77

**September 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EPg 0751 24.85

4. fejezet: Regionális és teleszeizmikus földrengések

---

BUD XN ESg 0751 27.80  
PSZ SN Sn 0751 51.53  
PSZ SZ EPn 0751 39.46

**September 10 2012 Hour: 14:35:43.0 Lat: 10.56°N Lon: 93.57°E M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 1447 03.24  
PSZ SZ EP 1446 58.59  
SOP SZ EP D 1447 12.24  
TRPA SZ EP D 1446 48.43

**September 11 2012 Hour: 01:28:18.0 Lat: 45.47°N Lon: 151.04°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ IP C 0140 27.01  
BUD XZ IP C 0140 19.12  
LTVH SZ IP C 0140 14.24  
MORH SZ IP C 0140 25.14  
SOP SZ IP C 0140 23.26  
TRPA SN ES 0149 54.34  
SOP SN ES 0150 21.72  
PSZ SN ES 0150 02.60  
MORH SN ES 0150 25.86  
LTVH SN ES 0150 24.31  
PSZ SZ IP C 0140 15.74  
PSZ SZ EPP 0143 37.90  
TRPA SZ IP 0140 08.60  
TRPA SZ EPP 0143 15.39

**September 11 2012 Hour: 22:16:38.0 Lat: 45.38°N Lon: 151.25°E M: 4.9 Depth: 48 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP C 2228 39.02  
PSZ SZ EP C 2228 31.12  
MORH SZ EP 2228 40.60  
BUD XZ EP 2228 34.56  
BEHE SZ EP 2228 44.68  
LTVH SZ EP C 2228 29.28  
SOP SN ES 2239 58.42  
PSZ SN ES 2240 16.64  
MORH SN ES 2238 59.48

**September 12 2012 Hour: 03:27:45.0 Lat: 34.74°N Lon: 24.03°E M: 5.4 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0330 42.47  
BUD XZ EPn 0330 52.79  
LTVH SZ EPn 0330 43.95  
MORH SZ EPn 0330 33.14  
PSZ SZ EPn 0330 51.32  
SOP SZ EPn 0330 59.67  
MORH SN Sn 0332 42.41  
PSZ SN Sn 0333 23.00  
BUD XN Sn 0333 11.83  
BEHE SN Sn 0333 02.57  
SOP SN Sn 0333 55.29

**September 12 2012 Hour: 19:29:56.0 Lat: 36.79°N Lon: 71.49°E M: 5.2 Depth: 193 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EP C 1937 23.23

PSZ SZ EP C 1937 05.41

LTVH SZ EP C 1936 54.64

BUD XZ EP C 1937 09.44

TRPA SZ EP 1936 49.90

**September 12 2012 Hour: 21:52:17.0 Lat: 23.91°S Lon: 82.85°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP C 2205 16.41

SOP SZ EP 2205 29.93

PSZ SZ EP 2205 21.61

MORH SZ EP C 2205 20.83

LTVH SZ EP C 2205 15.81

BUD XZ EP 2205 22.65

BEHE SZ EP 2205 24.64

**September 13 2012 Hour: 01:55:02.0 Lat: 18.76°S Lon: 175.92°E M: 5.5 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP D 0214 31.39

MORH SZ EP 0214 32.85

SOP SZ EP D 0214 32.71

LTVH SZ EP D 0214 27.95

**September 13 2012 Hour: 05:54:47.0 Lat: 10.43°N Lon: 127.06°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP D 0608 08.62

TRPA SZ EP D 0607 55.32

PSZ SZ EP D 0608 03.51

SOP SZ EP D 0608 13.61

**September 14 2012 Hour: 00:43:51.0 Lat: 49.90°N Lon: 18.47°E M: 2.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 0044 15.85

MORH SZ EPn 0044 48.18

PSZ SZ EPn 0044 30.38

MORH SN Sn 0045 27.21

PSZ SE Sn 0044 52.90

**September 14 2012 Hour: 04:51:50.0 Lat: 3.25°S Lon: 100.63°E M: 6.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP C 0504 18.67

TRPA SZ ES 0514 47.19

SOP SZ EP 0504 34.98

SOP SZ EPP 0507 36.29

SOP SZ ES 0515 22.46

PSZ SZ EP C 0504 27.73

PSZ SZ ES 0515 04.29

MORH SZ EP 0504 30.58

MORH SZ ES 0515 10.71

LTVH SZ EP C 0504 20.74

LTVH SZ ES 0514 57.88  
BUD XZ EP 0504 29.81  
BUD XZ EPP 0507 52.17  
BUD XZ ES 0515 12.84  
BEHE SZ EP 0504 34.47  
BEHE SZ ES 0515 24.60

**September 14 2012 Hour: 07:18:38.0 Lat: 39.75°S Lon: 15.96°W M: 5.5 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0731 34.79

**September 15 2012 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0708 22.84  
MORH SN Sn 0708 34.71  
BEHE SZ EPn 0708 33.01

**September 16 2012 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SE ESg 1019 45.45

**September 16 2012 Hour: 21:46:45.0 Lat: 10.70°N Lon: 126.83°E M: 5.3 Depth: 40 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 2159 34.53  
BUD XZ EP 2159 41.38  
BEHE SZ EP 2159 40.48

**September 17 2012 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0041 23.66  
CSKK SZ EPn 0041 33.78  
PSZ SZ EPn 0041 45.81  
MORH SZ EPn 0041 11.55  
MORH SN Sn 0041 20.76  
BEHE SN Sn 0041 47.08

**September 17 2012 Hour: 19:09:30.0 Lat: 39.84°N Lon: 142.07°E M: 5.1 Depth: 30 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ IP C 1921 38.95  
TRPA SZ IP C 1921 22.30  
PSZ SZ IP C 1921 29.75

**September 18 2012 Hour: 01:44:48.0 Lat: 57.09°N Lon: 154.48°W M: 5.3 Depth: 30 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0156 28.82  
TRPA SZ EP D 0156 28.59

**September 18 2012 Hour: 15:25:07.8 Lat: 50.15°N Lon: 18.87°E M: 2.5 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SE Sn 1526 17.42  
PSZ SZ EPg 1525 52.76

**September 18 2012 Hour: 22:25:49.0 Lat: 44.25°N Lon: 20.09°E M: 2.6 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2226 45.59  
 PSZ SE Sn 2227 25.96

**September 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 0628 13.62  
 PSZ SN ESg 0628 17.42

**September 19 2012 Hour: 09:17:46.0 Lat: 37.31°N Lon: 37.10°E M: 4.7 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0921 56.11  
 BUD XZ EPn 0921 49.23  
 SOP SZ EPn 0922 04.93  
 TRPA SZ EPn 0921 23.46

**September 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg C 1137 14.69  
 PSZ SN ESg 1137 17.85

**September 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1734 13.52  
 PSZ SN Sn 1734 29.10

**September 20 2012 Hour: 05:40:19.0 Lat: 20.62°S Lon: 176.10°W M: 5.4 Depth: 210 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 0559 47.01  
 LTVH SZ EP 0559 45.42  
 PSZ SZ EP C 0559 46.03  
 SOP SZ EP 0559 48.36  
 TRPA SZ EP D 0559 41.51

**September 20 2012 Hour: 06:23:41.0 Lat: 52.65°N Lon: 32.13°W M: 4.8 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP D 0630 17.15

**September 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 1104 46.81  
 PSZ SN ESg 1104 52.05

**September 20 2012 Hour: 21:03:40.0 Lat: 20.74°S Lon: 178.41°W M: 5.7 Depth: 530 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2122 22.87  
 SOP SZ EP D 2122 29.61  
 PSZ SZ EP D 2122 26.31  
 MORH SZ EP 2122 30.50  
 LTVH SZ EP D 2122 25.12  
 BUD XZ EP D 2122 27.36  
 BEHE SZ EP D 2122 31.55

**September 21 2012 Hour: 08:47:39.0 Lat: 35.23°N Lon: 22.55°E M: 5.0 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 0852 18.15  
 BEHE SN Sn D 0852 39.23  
 PSZ SN Sn 0852 54.79  
 PSZ SZ EPn 0850 38.32  
 MORH SZ EPn D 0850 17.44  
 BEHE SZ EPn 0850 27.46

**September 21 2012 Hour: 15:39:16.0 Lat: 35.42 °N Lon: 22.62°E M: 4.7 Depth: 44 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 1541 50.66  
 PSZ SZ EPn 1542 12.34  
 MORH SN Sn 1543 49.82  
 PSZ SN Sn 1544 32.59

**September 22 2012 Hour: 01:16:07.0 Lat: 43.83°N Lon: 17.11°E M: 3.1 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SN Sn 0117 54.26  
 PSZ SN Sn 0118 09.75  
 MORH SN Sn 0117 23.52  
 MORH SZ EPn 0116 48.27  
 PSZ SZ EPn 0117 12.05  
 SOP SZ EPn 0117 05.92

**September 22 2012 Hour: 03:52:24.0 Lat: 38.07°N Lon: 22.74°E M: 5.0 Depth: 1 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP D 0354 40.59  
 BUD XZ EP 0354 44.55  
 LTVH SZ EP 0354 40.10  
 MORH SZ EP D 0354 29.38  
 PSZ SZ EP 0354 50.90  
 SOP SZ EP 0354 55.43  
 TRPA SZ EP D 0354 51.39  
 SOP SN Sn 0356 51.92  
 BUD XN Sn 0356 30.58  
 LTVH SN Sn 0356 25.24  
 BEHE SE Sn 0356 20.98  
 TRPA SN Sn 0356 32.18

**September 22 2012 Hour: 06:15:57.0 Lat: 40.15°N Lon: 20.83°E M: 4.7 Depth: 1 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0617 40.68  
 BUD XZ EPn 0617 39.73  
 LTVH SZ EPn 0617 33.93  
 MORH SZ EPn D 0617 30.89  
 PSZ SZ EPn 0617 53.69  
 SOP SZ EPn 0617 56.54  
 TRPA SZ EPn 0617 57.01  
 PSZ SN Sn 0619 21.96  
 BUD XN ESg 0619 47.00  
 TRPA SN ESg 0620 14.90

**September 22 2012 Hour: 06:58:27.0 Lat: 20.88°S Lon: 174.11°W M: 5.6 Depth: 15 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP C 0718 19.07  
 MORH SZ EP 0718 22.11  
 PSZ SZ EP 0718 18.99  
 SOP SZ EP C 0718 21.80  
 TRPA SZ EP C 0718 16.03

**September 23 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0524 23.81  
 MORH SN Sn 0524 29.26

**September 23 2012 Hour: 05:34:47.3 Lat: 19.02°N Lon: 64.64°W M: 4.6 Depth: 62 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0545 54.39  
 PSZ SZ EP 0545 54.50

**September 23 2012 Hour: 06:40:52.0 Lat: 16.86°S Lon: 175.42°E M: 5.3 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0700 31.11  
 MORH SZ EP 0700 29.11  
 PSZ SZ EP 0700 23.11  
 SOP SZ EP D 0700 29.41

**September 23 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EPg 1206 20.92  
 CSKK SN ESg 1206 25.63

**September 24 2012 Hour: 02:32:12.0 Lat: 44.12°N Lon: 15.78°E M: 3.2 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0232 52.37  
 MORH SZ EPn 0232 58.90  
 PSZ SZ EPn 0233 22.06  
 SOP SZ EPn 0233 09.15  
 PSZ SN Sn 0234 16.17  
 MORH SN Sn 0233 33.68  
 BEHE SN Sn 0233 23.13  
 SOP SN Sn 0233 50.21

**September 24 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0409 54.11

**September 24 2012 Hour: 10:31:23.0 Lat: 21.20°S Lon: 174.32°W M: 5.5 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1051 13.97  
 SOP SZ EP 1051 18.49  
 PSZ SZ EP 1051 15.01  
 MORH SZ EP 1051 12.58  
 LTVH SZ EP 1051 16.05  
 CSKK SZ EP 1051 27.98



BUD XZ EP 1051 16.52  
BEHE SZ EP 1051 34.70

**September 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn C 1101 01.92  
PSZ SN Sn 1101 18.43

**September 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 2002 18.21  
CSKK SN ESg 2002 21.83

**September 25 2012 Hour: 03:06:52.0 Lat: 15.48°S Lon: 173.83°W M: 5.7 Depth: 109 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP C 0326 18.51  
PSZ SZ EP C 0326 18.36  
SOP SZ EP 0326 21.60  
TRPA SZ EP C 0326 15.55  
BUD XZ EP 0326 19.63  
BEHE SZ EP 0326 24.41

**September 25 2012 Hour: 18:33:05.0 Lat: 21.25°S Lon: 174.35°W M: 5.3 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 1852 53.93  
MORH SZ EP 1852 52.55

**September 25 2012 Hour: 23:45:25.0 Lat: 24.67°N Lon: 110.18°W M: 6.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP D 2358 45.44  
MORH SZ EP D 2358 47.88  
PSZ SZ EP 2358 46.30  
TRPA SZ EP D 2358 50.32

**September 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0918 40.38  
MORH SZ EPg 0916 22.50  
MORH SN ESg 0916 26.53

**September 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN ESg 1049 13.48  
PSZ SZ EPg 1049 08.07

**September 26 2012 Hour: 17:15:52.0 Lat: 25.99°S Lon: 177.32°W M: 5.1 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 1735 54.92  
SOP SZ EP 1736 01.22  
TRPA SZ EP 1735 48.41

**September 26 2012 Hour: 23:39:54.0 Lat: 51.57°N Lon: 178.24°W M: 6.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 2352 14.26  
 BUD XZ EP 2353 05.66  
 LTVH SZ EP 2352 07.11  
 MORH SZ EP 2352 12.70  
 PSZ SZ EP 2352 03.76  
 SOP SZ EP 2352 04.43  
 TRPA SZ EP D 2351 58.84

**September 27 2012 Hour: 00:56:06.0 Lat: 38.36°N Lon: 46.73°E M: 4.5 Depth: 15 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0100 37.19

**September 27 2012 Hour: 01:08:23.0 Lat: 41.15°N Lon: 14.97°E M: 4.1 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0112 57.48  
 SOP SZ EPn 0109 56.91  
 SOP SN Sn 0111 09.87

**September 27 2012 Hour: 23:53:49.0 Lat: 8.82°S Lon: 157.49°E M: 6.0 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 2414 52.00

**September 28 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 0856 55.37  
 PSZ SN ESg 0856 58.49

**September 29 2012 Hour: 00:39:44.0 Lat: 38.52°N Lon: 14.81°E M: 4.5 Depth: 249 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0041 38.75  
 MORH SZ EPn 0041 40.47  
 PSZ SZ EPn 0042 04.29  
 SOP SZ EPn D 0041 54.26  
 TRPA SZ EPn D 0042 17.92

**September 30 2012 Hour: 16:31:34.0 Lat: 2.04°N Lon: 76.42°W M: 7.2 Depth: 149 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP 1644 36.43  
 BUD XZ EP 1644 27.09  
 BUD XZ IP 1647 59.56  
 BEHE SZ EP 1644 21.35  
 BEHE SZ IP 1647 57.11  
 PSZ SZ EP 1644 30.44  
 PSZ SZ IP 1648 12.65  
 TRPA SZ EP D 1644 37.39  
 TRPA SZ IP 1648 37.19  
 PSZ SE IS 1654 50.74  
 TRPA SE IS 1655 01.06  
 LTVH SE IS 1655 01.06  
 BUD XE IS 1655 10.10  
 BUD XE ESS 1701 20.39  
 PSZ SN ESS 1701 33.29  
 TRPA SN ESS 1702 12.00

BEHE SE IS 1655 02.36  
 BEHE SE ESS 1701 11.34  
 LTVH SN ESS 1701 58.59

**October 01 2012 Hour: 17:26:17.0 Lat: 45.74°N Lon: 26.67°E M: 4.2 Depth: 82 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EPn 1727 19.79  
 PSZ SZ EPn 1727 32.10  
 PSZ SN Sn 1728 33.51  
 LTVH SE Sn 1728 05.83

**October 01 2012 Hour: 22:21:46.0 Lat: 39.90°N Lon: 143.10°E M: 6.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN ES 2243 47.35  
 BEHE SZ IP C 2234 04.04  
 BEHE SZ ES 2244 15.23  
 BEHE SZ EPP 2237 08.81  
 BUD XZ IP C 2233 51.67  
 BUD XZ EPP 2236 53.56  
 LTVH SZ IP C 2233 45.48  
 LTVH SZ EPP 2236 45.74  
 PSZ SZ IP C 2233 49.35  
 PSZ SZ EPP 2236 49.26  
 PSZ SE ESS 2248 55.72  
 LTVH SN ESS 2249 00.85  
 LTVH SN ES 2243 39.54  
 BUD XN ES 2243 56.64  
 BUD XN ESS 2248 52.31  
 BEHE SN ESS 2249 26.49

**October 01 2012 Hour: 22:55:50.0 Lat: 39.86°N Lon: 143.17°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2307 50.06

**October 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP C 0136 01.74

**October 02 2012 Hour: 03:45:35.0 Lat: 32.71°N Lon: 76.63°E M: 4.5 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0353 04.97  
 BUD XZ EP 0353 06.66  
 LTVH SZ EP 0353 02.63  
 PSZ SZ EP D 0353 04.97

**October 02 2012 Hour: 11:35:47.0 Lat: 21.04°S Lon: 174.43°W M: 5.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP 1155 40.67  
 PSZ SZ EP C 1155 40.56

**October 02 2012 Hour: 17:37:22.0 Lat: 3.01°S Lon: 101.82°E M: 5.2 Depth: 107 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ IP C 1750 05.09

**October 02 2012 Hour: 19:16:02.0 Lat: 37.23°N Lon: 71.95°E M: 4.8 Depth: 142 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1923 02.85

**October 03 2012 Hour: 13:32:37.0 Lat: 0.34°S Lon: 97.75°E M: 5.7 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP 1344 47.08  
 MORH SZ EP 1344 59.61  
 PSZ SZ EP 1344 54.42  
 BEHE SZ EP 1345 08.15  
 BEHE SZ ES 1355 36.99  
 BUD XZ EP 1344 59.61  
 BUD XZ ES 1355 26.89  
 MORH SN ES 1355 06.71  
 PSZ SN ES 1355 03.04  
 TRPA SN ES 1354 48.36  
 PSZ SE ESS 1400 19.55  
 TRPA SZ EP 1344 47.94  
 TRPA SZ ESS 1359 43.77  
 LTVH SN ES 1354 51.11  
 LTVH SN ESS 1400 13.13  
 BUD XN ESS 1400 51.66

**October 03 2012 Hour: 14:41:30.0 Lat: 44.85°N Lon: 9.77°E M: 4.6 Depth: 30 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EPn 1443 55.82  
 LTVH SN Sn 1446 19.55  
 BEHE SN Sn 1443 48.61  
 PSZ SZ EPn D 1443 20.01  
 MORH SZ EPn 1443 00.85  
 BEHE SZ EPn 1442 45.60  
 MORH SN Sn 1444 13.22  
 MORH SN ESg 1444 59.13  
 PSZ SN Sn 1444 43.88  
 PSZ SN ESg 1445 45.69  
 BEHE SE ESg 1444 24.04

**October 04 2012 Hour: 01:55:20.0 Lat: 13.17°N Lon: 120.64°E M: 5.2 Depth: 60 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 0208 06.63  
 PSZ SZ EP 0208 00.29

**October 04 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 0847 30.23  
 PSZ SN ESg 0847 31.60

**October 04 2012 Hour: 23:14:56.0 Lat: 17.48°N Lon: 46.50°W M: 5.4 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 2324 58.48  
 BUD XZ EP 2325 06.05  
 PSZ SZ EP 2325 13.62

TRPA SZ EP D 2325 23.23  
 SOP SZ EP D 2324 56.45  
 MORH SZ EP 2325 05.62  
 MORH SZ ES 2333 13.30

**October 05 2012 Hour: 00:19:58.0 Lat: 17.80°N Lon: 46.51°W M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0029 57.01  
 BUD XZ EP 0029 58.04  
 LTVH SZ EP 0030 22.34  
 MORH SZ EP 0030 05.86  
 PSZ SZ EP 0030 12.87  
 SOP SZ EP 0029 58.04  
 TRPA SZ EP 0030 23.37  
 SOP SN ES D 0038 08.98  
 MORH SN ES 0038 22.61

**October 05 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EPg 0721 29.46  
 BUD XN ESg 0721 32.92

**October 05 2012 Hour: 08:13:19.0 Lat: 26.31°N Lon: 125.07°E M: 5.0 Depth: 155 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 0825 20.43

**October 05 2012 Hour: 18:22:53.0 Lat: 13.04°N Lon: 91.53°W M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1836 11.42  
 PSZ SZ EP 1836 13.05  
 TRPA SZ EP D 1836 20.21  
 SOP SZ EP 1836 04.74  
 MORH SE ES 1846 45.16

**October 06 2012 Hour: 03:40:04.0 Lat: 24.00°N Lon: 45.74°W M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP C 0349 29.52

**October 06 2012 Hour: 09:27:36.0 Lat: 41.16°N Lon: 88.48°E M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 0936 25.15

**October 06 2012 Hour: 20:37:11.0 Lat: 40.26°N Lon: 25.25°E M: 4.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2039 01.01  
 PSZ SZ EPn 2039 18.42  
 SOP SZ EPn 2039 27.95  
 TRPA SZ EPn 2039 11.20  
 PSZ SN Sn 2040 41.69  
 TRPA SN Sn 2040 34.30  
 TRPA SN ESg 2041 44.86  
 PSZ SE ESg 2041 50.82  
 MORH SN Sn 2040 37.09

MORH SN ESg 2041 21.55  
 SOP SN Sn 2041 21.38

**October 07 2012 Hour: 03:14:24.0 Lat: 18.71°N Lon: 121.07°E M: 5.6 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0327 00.76  
 BUD XZ EP 0326 51.90  
 MORH SZ EP C 0326 54.86  
 PSZ SZ EP C 0326 48.36  
 SOP SZ EP C 0326 58.79  
 TRPA SZ EP C 0326 39.31  
 LTVH SZ EP 0326 43.43

**October 07 2012 Hour: 07:38:46.0 Lat: 15.42°S Lon: 172.07°W M: 4.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0758 23.91  
 SOP SZ EP C 0758 32.02  
 PSZ SZ EP 0758 28.24  
 MORH SZ EP 0758 31.94  
 LTVH SZ EP 0758 28.79  
 BUD XZ EP 0758 32.89  
 BEHE SZ EP 0758 32.26

**October 07 2012 Hour: 11:42:51.0 Lat: 40.70°N Lon: 48.35°E M: 5.1 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1147 16.04  
 MORH SZ EP D 1147 41.97  
 PSZ SZ EP D 1147 35.18  
 SOP SZ EP D 1147 57.86

**October 08 2012 Hour: 11:43:33.0 Lat: 4.54°S Lon: 129.33°E M: 6.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 1202 07.98  
 LTVH SZ EP 1202 02.77  
 MORH SZ EP 1202 06.49  
 PSZ SZ EP 1202 07.24  
 BEHE SZ EP 1202 18.72

**October 08 2012 Hour: 12:18:47.0 Lat: 44.08°N Lon: 17.19°E M: 4.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EPn 1219 41.24  
 BEHE SN Sn 1219 57.90  
 MORH SN Sn 1219 54.63  
 BUD XN Sn 1220 29.78  
 SOP SN Sn 1220 26.72  
 SOP SE ESg 1220 46.64  
 BUD XE ESg 1220 43.58  
 BEHE SE ESg 1220 06.92  
 MORH SE ESg 1220 02.80  
 SOP SZ EPn D 1219 43.32  
 MORH SZ EPn D 1219 25.41  
 BEHE SZ EPn 1219 27.06

**October 09 2012 Hour: 00:30:18.0 Lat: 20.89°S Lon: 174.12°W M: 5.0 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0044 24.31

**October 09 2012 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1154 53.24  
PSZ SN ESg 1154 56.49

**October 09 2012 Hour: 12:32:02.0 Lat: 61.11°S Lon: 154.15°E M: 6.4 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1252 02.15  
BUD XZ EP 1252 15.02  
LTVH SZ EP 1251 59.26  
MORH SZ EP 1251 57.65  
SOP SZ EP 1252 07.62  
TRPA SZ EP 1251 56.36  
PSZ SZ EP 1252 01.81  
TRPA SN ES 1314 44.40  
SOP SN ES 1315 14.69  
MORH SE ES 1314 38.35  
BEHE SN ES 1314 08.06

**October 09 2012 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1349 07.91  
PSZ SN ESg 1349 12.15

**October 10 2012 Hour: 16:56:35.0 Lat: 29.32°N Lon: 52.56°E M: 4.8 Depth: 20 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1702 55.15  
LTVH SZ EP 1702 57.03  
BUD XZ EP 1702 57.11  
BEHE SZ EP C 1703 06.82  
TRPA SZ EP C 1702 40.11  
SOP SZ EP C 1703 11.04  
PSZ SZ EP C 1702 53.66

**October 11 2012 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0756 56.94  
PSZ SN ESg 0757 04.81

**October 12 2012 Hour: 00:31:28.0 Lat: 4.91°S Lon: 134.05°E M: 6.6 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 0049 54.99  
BEHE SZ ES 0100 12.86  
MORH SZ EP 0049 42.81  
MORH SZ ES 0059 44.25  
SOP SZ EP 0049 51.41  
SOP SZ ES 0059 55.25  
TRPA SZ EP 0049 59.30  
TRPA SZ ES 0059 28.84

**October 12 2012 Hour: 04:57:20.0 Lat: 35.83°N Lon: 140.35°E M: 5.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0509 43.08  
 BUD XZ EP 0509 45.72  
 LTVH SZ EP 0509 41.09  
 MORH SZ EP 0509 40.87  
 PSZ SZ EP 0509 32.06  
 SOP SZ EP 0509 37.35  
 TRPA SZ EP 0509 25.89

**October 12 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 1149 10.63  
 MORH SN ESg 1149 11.53  
 BEHE SE ESg 1149 38.99

**October 13 2012 Hour: 08:25:46.0 Lat: 22.21°S Lon: 170.48°E M: 4.8 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 0845 21.42  
 LTVH SZ EP 0845 16.59  
 PSZ SZ EP C 0845 18.74  
 TRPA SZ EP C 0845 23.57  
 BEHE SZ EP 0845 17.93

**October 13 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1707 38.46  
 PSZ SN Sn 1708 02.64

**October 13 2012 Hour: 17:52:48.0 Lat: 19.87°S Lon: 173.90°W M: 5.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 1812 35.82  
 PSZ SZ IP 1812 38.81  
 LTVH SZ IP 1812 37.50  
 BUD XZ IP 1812 46.09  
 BEHE SZ IP 1812 50.76

**October 13 2012 Hour: 22:36:30.0 Lat: 16.96°S Lon: 174.02°W M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2256 17.67  
 BUD XZ EP 2256 11.49  
 LTVH SZ EP 2256 07.67  
 PSZ SZ EP 2256 10.32  
 TRPA SZ EP 2256 06.05

**October 14 2012 Hour: 04:58:12.0 Lat: 7.24°S Lon: 156.07°E M: 5.6 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 0517 05.38  
 BUD XZ EP 0517 07.45  
 LTVH SZ EP 0516 59.18  
 MORH SZ EP C 0517 03.63  
 PSZ SZ EP C 0517 00.84



TRPA SZ EP C 0516 56.91

**October 14 2012 Hour: 09:41:58.0 Lat: 48.38°N Lon: 154.44°E M: 5.8 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP C 0953 47.93

BEHE SZ EP C 0953 56.87

TRPA SZ EP C 0953 38.00

TRPA SZ ES 1003 10.28

PSZ SZ EP C 0953 43.79

PSZ SZ ES 1003 24.19

MORH SZ EP C 0953 52.89

MORH SZ ES 1003 42.26

LTVH SZ EP 0953 45.31

LTVH SZ ES 1003 28.36

**October 14 2012 Hour: 10:13:39.0 Lat: 41.88°N Lon: 46.44°E M: 5.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 1018 31.38

BUD XZ EP 1020 15.34

LTVH SZ EP 1017 58.30

MORH SZ EP 1018 21.62

PSZ SZ EP 1018 09.96

TRPA SZ EP 1017 51.69

TRPA SZ ES 1021 09.45

PSZ SN ES 1021 51.90

MORH SN ES 1022 05.69

LTVH SE ES 1021 41.12

BEHE SN ES 1022 32.62

BUD XN ES 1023 55.20

**October 14 2012 Hour: 11:09:38.0 Lat: 48.42°N Lon: 154.43°E M: 5.1 Depth: 67 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

LTVH SZ EP D 1123 46.19

BEHE SZ EP 1121 32.61

BUD XZ EP 1121 23.93

MORH SZ EP C 1121 29.50

PSZ SZ EP C 1121 19.81

TRPA SZ EP C 1121 13.46

**October 14 2012 Hour: 11:11:33.0 Lat: 38.24°N Lon: 144.40°E M: 5.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

LTVH SZ EP 1123 46.18

MORH SZ EP D 1123 57.01

PSZ SZ EP D 1123 48.10

TRPA SZ EP D 1123 40.91

BUD XZ EP D 1123 51.92

BEHE SZ EP 1124 00.61

**October 14 2012 Hour: 14:16:58.0 Lat: 48.37°N Lon: 154.46°E M: 4.9 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EP C 1428 42.45

MORH SZ EP 1428 45.91

LTVH SZ EP 1428 45.91

BUD XZ EP 1428 41.23  
 TRPA SZ EP D 1428 30.31  
 PSZ SZ EP C 1428 35.75  
 BEHE SZ EP 1428 48.55

**October 14 2012 Hour: 19:36:53.0 Lat: 55.56°N Lon: 161.75°E M: 5.1 Depth: 83 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1948 01.46

**October 14 2012 Hour: 23:08:05.0 Lat: 25.24°N Lon: 102.02°E M: 4.6 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 2318 56.95

**October 14 2012 Hour: 23:54:39.0 Lat: 43.66°N Lon: 21.63°E M: 2.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 2355 30.90  
 MORH SN Sn 2356 12.02  
 MORH SN ESg 2356 26.84

**October 15 2012 Hour: 01:19:01.3 Lat: 51.89°N Lon: 159.42°E M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP C 0130 40.37  
 SOP SZ EP 0130 48.59  
 TRPA SN ES 0139 57.15  
 PSZ SN ES 0140 19.23  
 TRPA SE ESS 0144 27.56  
 SOP SN ES 0140 31.37  
 SOP SN ESS 0144 41.91  
 MORH SN ES 0140 32.47  
 MORH SN ESS 0144 38.60  
 TRPA SZ EP 0130 35.95  
 PSZ SZ EP 0130 41.96  
 PSZ SZ ESS 0144 41.91  
 MORH SZ EP C 0130 51.65  
 BUD XZ EP C 0130 45.64  
 BEHE SZ EP 0130 54.47

**October 15 2012 Hour: 09:14:53.0 Lat: 44.46°N Lon: 17.17°E M: 2.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 0915 49.41  
 BEHE SN Sn 0915 52.12  
 BEHE SZ EPn 0915 28.26  
 MORH SZ EPn 0915 26.43

**October 15 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 1026 44.10  
 MORH SN ESg 1026 44.97

**October 15 2012 Hour: 20:19:01.0 Lat: 20.43°S Lon: 178.19°W M: 5.2 Depth: 546 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2037 44.64  
 SOP SZ EP D 2037 51.12

PSZ SZ EP D 2037 47.20  
MORH SZ EP D 2037 51.36  
LTVH SZ EP 2037 46.88  
BEHE SZ EP D 2037 52.80  
BUD XZ EP D 2037 49.24

**October 15 2012 Hour: 22:45:02.0 Lat: 51.58°N Lon: 159.59°E M: 5.1 Depth: 36 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2256 33.72  
SOP SZ EP C 2256 46.68  
PSZ SZ EP C 2256 39.96  
MORH SZ EP C 2256 50.10  
LTVH SZ EP C 2256 39.73  
BUD XZ EP 2256 43.38

**October 15 2012 Hour: 23:43:46.0 Lat: 36.01°N Lon: 69.69°E M: 5.0 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2351 06.47  
MORH SZ EP C 2351 04.47  
SOP SZ EP D 2351 14.85

**October 16 2012 Hour: 01:16:02.0 Lat: 37.30°N Lon: 37.11°E M: 4.6 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0119 45.56

**October 16 2012 Hour: 12:41:25.4 Lat: 49.58°N Lon: 156.51°E M: 5.6 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1252 57.65  
SOP SZ EP C 1253 10.76  
PSZ SZ EP C 1253 03.69  
MORH SZ EP 1253 13.73  
LTVH SZ EP C 1253 02.77  
BUD XZ EP 1253 15.99  
BEHE SZ EP C 1253 16.40

**October 16 2012 Hour: 13:39:26.0 Lat: 31.26°N Lon: 130.11°E M: 5.3 Depth: 168 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP C 1351 18.14  
MORH SZ EP C 1351 23.19  
PSZ SZ EP C 1351 14.45  
SOP SZ EP C 1351 24.55  
TRPA SZ EP C 1351 05.33

**October 16 2012 Hour: 15:10:59.0 Lat: 39.74°N Lon: 15.59°E M: 4.8 Depth: 270 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP 1512 54.47  
LTVH SZ EP 1513 12.29  
MORH SZ EP C 1512 38.12  
PSZ SZ EP C 1513 02.06  
TRPA SZ EP C 1513 14.91  
MORH SN Sn 1513 55.29  
PSZ SN Sn 1514 34.19  
SOP SN Sn 1514 17.76

TRPA SN Sn 1515 03.70  
 BUD XN Sn 1514 16.08  
 LTVH SN Sn 1514 29.49  
 BEHE SN Sn 1513 53.95  
 SOP SZ EP C 1512 52.86  
 BEHE SZ EP C 1512 37.88

**October 16 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XN ESg 2054 37.77

**October 17 2012 Hour: 04:29:28.0 Lat: 45.08°N Lon: 16.4°E M: 2.6 Depth: 4 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0429 55.61  
 MORH SZ EPn 0430 03.14  
 BEHE SN Sn 0430 13.23  
 MORH SN Sn 0430 26.08

**October 17 2012 Hour: 04:42:31.0 Lat: 4.13°N Lon: 124.64°E M: 6.1 Depth: 342 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 0455 31.91  
 BEHE SZ EP 0455 32.90  
 MORH SZ EP D 0455 27.95  
 PSZ SZ EP D 0455 22.74  
 SOP SZ EP 0455 31.91  
 TRPA SZ EP D 0455 14.32  
 LTVH SZ EP D 0455 17.94  
 MORH SN ES 0506 20.81  
 PSZ SE ES 0506 26.20

**October 17 2012 Hour: 17:23:43.0 Lat: 18.95°S Lon: 174.15°W M: 5.5 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1743 31.35  
 BUD XZ EP 1743 37.77  
 LTVH SZ EP 1743 31.18  
 MORH SZ EP 1743 33.55  
 PSZ SZ EP 1743 26.79  
 SOP SZ EP 1743 35.07  
 TRPA SZ EP 1743 26.79

**October 18 2012 Hour: 01:27:15.0 Lat: 54.32°S Lon: 143.99°E M: 5.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0146 54.92  
 BUD XZ EP 0146 53.34  
 LTVH SZ EP 0146 50.57  
 MORH SZ EP D 0146 50.77  
 PSZ SZ EP 0146 51.56  
 SOP SZ EP 0146 58.88  
 TRPA SZ EP D 0146 41.86

**October 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 0953 04.37

MORH SN ESg 0953 08.15

**October 19 2012 Hour: 00:20:39.0 Lat: 51.55°N Lon: 16.12°E M: 3.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 0022 02.73

SOP SZ EPn 0021 38.95

SOP SN Sn 0022 27.03

MORH SN Sn 0023 08.89

**October 19 2012 Hour: 03:35:11.0 Lat: 32.48°N Lon: 30.94°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP 0339 06.59

SOP SZ EP 0339 29.68

PSZ SZ EP D 0339 17.85

MORH SZ EP 0339 07.37

LTVH SZ EP 0339 05.23

BUD XZ EP 0339 17.07

BEHE SZ EP 0339 17.26

TRPA SN ES 0342 18.13

SOP SN ES 0343 01.81

PSZ SN ES 0342 34.59

MORH SN ES 0342 17.50

BUD XN ES 0342 31.74

BEHE SN ES 0342 37.75

**October 19 2012 Hour: 15:34:05.0 Lat: 30.71°S Lon: 176.81°W M: 5.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP C 1554 32.14

SOP SZ EP D 1554 45.92

PSZ SZ EP 1554 39.03

MORH SZ EP D 1554 46.04

LTVH SZ EP 1554 36.42

BUD XZ EP 1554 42.24

**October 19 2012 Hour: 17:19:19.0 Lat: 32.69°N Lon: 141.67°E M: 4.9 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 1731 52.40

TRPA SZ EP 1731 43.78

SOP SZ EP 1731 57.04

LTVH SZ EP 1731 55.32

BEHE SZ EP 1731 59.42

MORH SZ EP 1732 01.54

**October 19 2012 Hour: 17:22:03.0 Lat: 21.06°S Lon: 176.58°E M: 5.1 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 1741 43.88

BUD XZ EP 1741 45.29

LTVH SZ EP 1741 40.36

MORH SZ EP 1741 43.53

SOP SZ EP 1741 46.35

TRPA SZ EP D 1741 37.54

PSZ SZ EP 1741 40.85

**October 20 2012 Hour: 01:12:34.0 Lat: 49.95°N Lon: 18.42°E M: 2.6 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn		0113	27.39											
MORH	SN	Sn		0114	17.65											
TRPA	SN	Sn		0114	06.50											
SOP	SN	ESg		0113	52.34											
SOP	SN	Sn		0113	49.28											
PSZ	SN	Sn		0113	41.52											
PSZ	SZ	EPn		0113	10.88											
TRPA	SZ	EPn		0113	16.09											
TRPA	SZ	EPg		0113	22.98											
SOP	SZ	EPn		0113	14.22											
SOP	SZ	EPg		0113	26.45											

**October 20 2012 Hour: 19:54:05.0 Lat: 44.50°N Lon: 21.72°E M: 3.4 Depth: 5 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn		1954	48.91											
LTVH	SZ	EPn		1954	55.66											
BUD	XZ	EPn		1954	59.36											
BEHE	SZ	EPn		1955	07.56											
LTVH	SN	Sn		1955	23.64											
MORH	SN	Sn		1955	18.82											
PSZ	SN	Sn		1955	40.85											
TRPA	SN	Sn		1955	42.46											
BEHE	SN	Sn		1955	50.82											
BUD	XN	Sn		1955	39.59											
SOP	SN	Sn		1956	09.14											
TRPA	SZ	EPn		1955	01.51											
PSZ	SZ	EPn		1955	01.45											
SOP	SZ	EPn		1955	17.31											

**October 20 2012 Hour: 23:00:33.0 Lat: 13.50°S Lon: 166.63°E M: 6.2 Depth: 40 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
SOP	SZ	EP		2319	49.19											
SOP	SZ	ES		2334	57.25											
PSZ	SZ	EP	C	2319	44.43											
PSZ	SZ	ES		2334	45.98											
MORH	SZ	EP		2319	49.19											
MORH	SZ	ES		2334	31.90											
LTVH	SZ	EP		2319	42.53											
LTVH	SZ	ES		2334	51.62											
BUD	XZ	EP		2319	46.33											
BUD	XZ	ES		2335	53.59											
BEHE	SZ	EP		2319	52.04											
BEHE	SZ	ES		2334	51.62											
TRPA	SZ	EP		2319	41.57											
TRPA	SZ	ES		2334	45.98											

**October 21 2012 Hour: 00:10:34.0 Lat: 66.32°N Lon: 18.82°W M: 5.3 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EP		0016	19.24											
TRPA	SZ	EP		0016	26.30											
PSZ	SN	ES		0021	06.20											

TRPA SN ES 0021 23.21

**October 21 2012 Hour: 01:25:22.0 Lat: 66.28°N Lon: 18.88°W M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 0131 12.11

TRPA SZ ES 0136 04.62

SOP SZ EP D 0130 55.18

SOP SZ ES 0135 46.80

PSZ SZ EP D 0131 05.00

PSZ SZ ES 0136 05.51

MORH SZ EP D 0131 13.12

MORH SZ ES 0136 42.05

LTVH SZ EP D 0131 14.14

LTVH SZ ES 0136 17.99

BUD XZ EP 0131 05.67

BUD XZ ES 0136 06.40

BEHE SZ EP 0131 06.01

BEHE SZ ES 0136 17.10

**October 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EPn 0333 30.43

SOP SN ESg 0334 23.75

**October 21 2012 Hour: 04:43:31.0 Lat: 40.70°N Lon: 23.26°E M: 3.6 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 0445 05.81

MORH SN Sn 0446 14.94

**October 23 2012 Hour: 00:37:09.0 Lat: 39.73°N Lon: 143.16°E M: 5.0 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EP C 0049 21.12

PSZ SZ EP C 0049 12.13

MORH SZ EP C 0049 21.44

PSZ SN EPP 0051 38.02

PSZ SN ES 0059 42.11

SOP SN EPP 0052 18.59

SOP SN ES 0059 30.84

**October 23 2012 Hour: 08:53:39.0 Lat: 29.11°N Lon: 139.20°E M: 6.0 Depth: 446 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 0905 23.47

TRPA SZ EPP 0908 47.88

SOP SZ EP D 0905 39.79

SOP SZ EPP 0909 12.40

TRPA SN ES 0915 09.75

PSZ SN ES 0915 25.65

MORH SN ES 0915 39.04

LTVH SZ EP 0905 27.05

LTVH SZ ES 0915 36.53

SOP SN ES 0915 35.70

SOP SN ESS 0921 40.63

PSZ SZ EP D 0905 30.83

PSZ	SZ	ESS		0921	56.53
MORH	SZ	EP	D	0905	39.00
MORH	SZ	EPP		0909	05.22
MORH	SZ	ESS		0922	13.27
BUD	XZ	EP		0905	34.02
BUD	XZ	ES		0915	24.81
BUD	XZ	ESS		0921	59.88
BEHE	SZ	EP	D	0905	43.37
BEHE	SZ	EPP		0909	14.79
BEHE	SZ	ES		0915	46.58
BEHE	SZ	ESS		0921	57.37

**October 23 2012 Hour: 09:39:30.0 Lat: 22.31°S Lon: 171.74°E M: 5.9 Depth: 120 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP		C	0958	56.08										
BEHE	SZ	IP			0953	07.01										
BUD	XZ	EP		C	0958	55.74										
BUD	XZ	IP			0953	03.63										
LTVH	SZ	EP		C	0958	53.10										
LTVH	SZ	IP			0953	05.65										
MORH	SZ	EP			0958	57.07										
MORH	SZ	IP			0953	03.63										
PSZ	SZ	EP		C	0958	55.74										
PSZ	SZ	IP			0953	06.33										
SOP	SZ	EP		C	0958	59.71										
SOP	SZ	IP			0953	09.04										
TRPA	SZ	EP		C	0958	50.12										
TRPA	SZ	IP			0953	02.95										

**October 23 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn			1113	20.18										
MORH	SN	Sn			1113	32.87										

**October 23 2012 Hour: 15:20:44.0 Lat: 38.97°N Lon: 20.62°E M: 4.8 Depth: 15 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn			1522	30.09										
MORH	SN	Sn			1523	49.22										
PSZ	SN	Sn			1524	32.74										
PSZ	SZ	EPn			1522	53.24										

**October 23 2012 Hour: 22:21:31.9 Lat: 36.97°N Lon: 145.81°E M: 5.3 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
LTVH	SZ	EP		C	2234	02.13										
BUD	XZ	EP			2234	03.69										
BEHE	SZ	EP			2234	06.80										
MORH	SZ	EP			2234	06.11										
PSZ	SZ	EP			2234	01.96										
SOP	SZ	EP		D	2234	05.59										
TRPA	SZ	EP		D	2233	59.37										

**October 24 2012 Hour: 00:45:34.0 Lat: 10.19°N Lon: 85.25°W M: 6.4 Depth: 20 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
------	----	--------	---	------	-------	------	--------	------	-------	------	-----	----	------	---	-----	------



PSZ SE ES	0109 20.44
LTVH SN ES	0109 34.78
BUD XN ES	0109 23.45
PSZ SZ EP	C 0058 42.62
PSZ SZ EPP	0102 18.24
TRPA SN ES	0111 17.33
TRPA SN ESS	0116 17.91
SOP SN ES	0110 39.58
SOP SN ESS	0115 37.21
BUD XE ESS	0115 56.68
BEHE SN ES	0109 15.77
BEHE SN ESS	0115 37.21
MORH SE ES	0109 20.62
PSZ SN ESS	0116 05.06
TRPA SZ EP	C 0058 47.10
TRPA SZ EPP	0102 36.79
SOP SZ EP	C 0058 33.10
SOP SZ EPP	0102 12.35
MORH SZ EP	C 0058 40.05
MORH SZ EPP	0102 18.24
MORH SZ ESS	0116 07.30
LTVH SZ EP	C 0058 48.59
BUD XZ EP	0058 40.64
BUD XZ EPP	0102 13.26
BEHE SZ EP	C 0058 34.59
BEHE SZ EPP	0102 05.57

**October 24 2012 Hour: 16:24:11.0 Lat: 50.08°N Lon: 18.44°E M: 3.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 1624 51.13

PSZ SN Sn 1625 21.44

**October 24 2012 Hour: 17:56:01.0 Lat: 17.90°N Lon: 81.72°W M: 5.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP C 1808 22.65

BUD XZ EP 1808 27.38

PSZ SZ EP C 1808 31.37

SOP SZ EP C 1808 20.40

**October 25 2012 Hour: 10:32:27.0 Lat: 38.33°N Lon: 141.84°E M: 5.6 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP C 1044 43.32

LTVH SZ EP 1044 44.27

PSZ SZ EP C 1044 30.96

SOP SZ EP C 1044 39.90

MORH SZ EP C 1044 39.33

TRPA SZ EP C 1044 23.04

BUD XZ EP C 1044 34.12

**October 25 2012 Hour: 18:40:37.0 Lat: 19.85°S Lon: 178.13°W M: 5.5 Depth: 577 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 1859 23.35

BUD XZ EP D 1859 19.87

LTVH SZ EP 1859 17.92  
 MORH SZ EP D 1859 22.51  
 PSZ SZ EP 1859 18.47  
 TRPA SZ EP D 1859 15.27  
 SOP SZ EP 1859 21.95

**October 25 2012 Hour: 22:45:20.0 Lat: 51.36°N Lon: 15.86°E M: 4.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2246 27.77  
 MORH SN Sn 2247 47.74  
 PSZ SN Sn 2247 19.23  
 MORH SZ EPn 2246 41.11

**October 25 2012 Hour: 23:05:36.0 Lat: 39.88°N Lon: 16.03°E M: 5.3 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2307 02.99  
 BUD XZ EPn 2307 20.55  
 LTVH SZ EPn 2307 31.13  
 MORH SZ EPn 2307 02.47  
 MORH SN Sn 2308 25.72  
 SOP SN Sn 2308 46.44  
 TRPA SN Sn 2309 41.23  
 PSZ SN Sn 2309 16.83  
 BUD XN Sn 2308 55.19  
 LTVH SN Sn 2309 58.73  
 BEHE SN Sn 2308 22.96  
 TRPA SZ EPn D 2307 44.48  
 SOP SZ EPn D 2307 19.34  
 PSZ SZ EPn 2307 28.28

**October 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1208 02.59  
 PSZ SN Sn 1208 08.00

**October 26 2012 Hour: 22:31:20.0 Lat: 38.41°N Lon: 46.85°E M: 4.5 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 2236 16.78  
 SOP SZ EP 2236 31.45  
 PSZ SZ EP 2236 12.64

**October 26 2012 Hour: 23:16:45.0 Lat: 38.96°N Lon: 22.89°E M: 4.5 Depth: 17 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2318 50.23  
 PSZ SZ EP 2318 59.94  
 SOP SZ EP 2319 09.37  
 TRPA SZ EP 2318 59.80  
 LTVH SZ EP 2318 49.39  
 LTVH SZ EPn 2318 48.10

**October 27 2012 Hour: 09:32:31.0 Lat: 9.88°N Lon: 57.05°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP C 0941 36.32

MORH SZ EP 0941 33.55  
 TRPA SZ EP 0941 10.06

**October 27 2012 Hour: 15:46:27.0 Lat: 10.42°N Lon: 126.83°E M: 5.2 Depth: 29 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1559 31.74  
 TRPA SZ EP 1559 32.16

**October 27 2012 Hour: 20:13:03.0 Lat: 6.17°S Lon: 151.68°E M: 5.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP C 2034 31.20  
 LTVH SZ EP 2034 26.94  
 MORH SZ EP C 2034 34.88  
 PSZ SZ EP 2034 31.76  
 SOP SZ EP C 2034 35.73

**October 28 2012 Hour: 02:43:10.0 Lat: 10.58°N Lon: 126.84°E M: 5.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ IP 0315 50.41  
 PSZ SZ IS 0325 54.79  
 PSZ SZ EP 0256 23.21  
 LTVH SZ IP 0315 57.56  
 LTVH SZ IS 0326 25.18  
 LTVH SZ EP 0256 15.75  
 TRPA SZ IP 0316 04.71  
 TRPA SZ IS 0326 01.94  
 TRPA SZ EP 0256 22.28  
 SOP SZ IP 0315 53.98  
 SOP SZ IS 0326 00.15  
 SOP SZ EP 0256 35.35  
 MORH SZ IP 0316 06.50  
 MORH SZ ES 0326 14.46  
 MORH SZ EP 0256 31.10  
 BUD XZ IP 0316 26.17  
 BUD XZ IS 0326 21.61  
 BUD XZ EP D 0256 28.74  
 BEHE SZ IP 0316 04.71  
 BEHE SZ IS 0326 28.76  
 BEHE SZ EP 0256 35.94

**October 28 2012 Hour: 03:04:08.0 Lat: 52.62°N Lon: 132.17°W M: 7.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0315 58.31  
 PSZ SZ EP 0315 59.88  
 PSZ SZ EPP 0319 15.82  
 MORH SZ EP 0316 08.28  
 MORH SZ EPP 0319 17.37  
 LTVH SZ EP 0316 03.03  
 LTVH SZ EPP 0319 19.68  
 BUD XZ EP 0316 04.61  
 BUD XZ EPP 0319 14.28  
 BEHE SZ EP 0316 03.03  
 BEHE SZ EPP 0319 22.76

TRPA SN ES	0326 14.06
TRPA SZ EP	0316 01.46
TRPA SZ EPP	0319 11.97
TRPA SZ ESS	0331 23.28
SOP SN EPP	0319 08.12
SOP SN ES	0326 24.40
SOP SN ESS	0331 20.99
PSZ SN ES	0326 18.66
PSZ SN ESS	0331 37.08
MORH SN ES	0326 34.75
MORH SN ESS	0331 38.23
LTVH SN ES	0326 27.85
LTVH SN ESS	0331 39.38
BUD XN ES	0326 23.25
BUD XN ESS	0331 47.43
BEHE SN ES	0326 25.55
BEHE SN ESS	0331 39.38

**October 28 2012 Hour: 04:25:25.0 Lat: 52.21°N Lon: 132.39°W M: 5.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EP	0437 21.73
TRPA SZ EP	0437 23.68

**October 28 2012 Hour: 09:17:30.0 Lat: 52.24°N Lon: 132.01°W M: 5.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EP	0929 23.70
MORH SZ EP	0929 28.20

**October 28 2012 Hour: 09:52:58.9 Lat: 52.89°N Lon: 131.73°W M: 4.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EP	1004 16.03
PSZ SZ EP	1004 45.14

**October 28 2012 Hour: 10:45:50.0 Lat: 52.29°N Lon: 132.56°W M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EP C	1057 51.22

**October 28 2012 Hour: 18:54:21.0 Lat: 52.55°N Lon: 132.73°W M: 6.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
LTVH SZ EP	1906 20.53
MORH SZ EP	1906 23.41
PSZ SZ EP	1906 12.87
SOP SZ EP	1906 08.41
TRPA SZ EP	1906 15.11
TRPA SN ES	1916 02.78
PSZ SE ES	1916 07.08
MORH SE ES	1916 24.26
LTVH SE ES	1916 15.67
TRPA SE ESS	1921 19.31
SOP SN ES	1916 02.78
SOP SN ESS	1921 09.79
PSZ SN ESS	1921 05.57
MORH SN ESS	1921 29.88

LTVH SN ESS 1921 51.03

**October 28 2012 Hour: 19:09:55.0 Lat: 52.29°N Lon: 132.19°W M: 5.5 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

LTVH SZ EP 1921 52.95

MORH SZ EP 1921 50.60

PSZ SZ EP 1921 46.68

SOP SZ EP 1921 22.74

TRPA SZ EP 1921 49.03

TRPA SN ES 1931 28.82

SOP SN ES 1931 19.74

PSZ SN ES 1931 27.00

MORH SN ES 1931 19.74

LTVH SN ES 1931 56.05

**October 28 2012 Hour: 19:16:54.0 Lat: 52.61°N Lon: 132.51°W M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 1928 51.12

PSZ SZ EP D 1928 44.75

**October 28 2012 Hour: 23:26:50.0 Lat: 52.68°N Lon: 132.70°W M: 4.9 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 2338 50.28

PSZ SZ EP 2338 43.53

**October 29 2012 Hour: 02:22:44.0 Lat: 0.90°N Lon: 98.33°E M: 5.2 Depth: 53 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP D 0234 56.40

TRPA SZ EP 0234 47.02

MORH SZ EP D 0234 59.14

SOP SZ EP 0235 07.57

LTVH SZ EP 0234 49.89

**October 29 2012 Hour: 11:13:26.0 Lat: 43.97°N Lon: 18.25°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 1114 11.66

MORH SZ EPn 1114 03.73

PSZ SZ EPn 1114 27.17

PSZ SN Sn 1115 16.66

MORH SN Sn 1114 32.39

BEHE SN Sn 1114 45.23

**October 29 2012 Hour: 15:29:52.0 Lat: 0.14°S Lon: 125.29°E M: 5.7 Depth: 54 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 1543 30.66

TRPA SZ EP 1543 25.26

**October 30 2012 Hour: 02:49:02.0 Lat: 52.26°N Lon: 132.08°W M: 6.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 0301 03.40

MORH SZ ES 0311 03.00

PSZ SZ EP D 0300 50.81

PSZ SZ ES 0310 52.74

TRPA SZ EP	0300 53.51
TRPA SZ ES	0310 52.74
BUD XZ EP	0300 58.01
BUD XZ ES	0310 34.79
BEHE SZ EP	0300 57.11
BEHE SZ ES	0310 34.79
TRPA SN EPP	0303 54.64
SOP SZ EP	0300 50.81
SOP SZ ES	0310 45.05
SOP SZ EPP	0303 51.35
LTVH SZ EP	0301 00.71
LTVH SZ ES	0310 45.05
LTVH SZ EPP	0303 58.14
BEHE SE EPP C	0303 55.46
TRPA SE ESS	0315 52.90
SOP SN ESS	0315 47.70
PSZ SN EPP	0303 51.35
PSZ SN ESS	0315 51.17
MORH SN EPP	0304 00.40
MORH SN ESS	0316 13.68
LTVH SN ESS	0315 57.23
BUD XN EPP	0303 54.85
BUD XN ESS	0315 53.77
BEHE SN ESS	0315 22.59

**October 30 2012 Hour: 04:40:15.0 Lat: 52.16°N Lon: 131.67°W M: 4.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EP	0452 13.30
MORH SZ EP	0452 13.30
BEHE SZ EP	0452 12.72

**October 30 2012 Hour: 10:59:33.0 Lat: 18.28°S Lon: 174.57°W M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1119 18.67
SOP SZ EP	1119 21.65
PSZ SZ EP	1119 19.32
MORH SZ EP	1119 21.65
LTVH SZ EP	1119 20.35
BUD XZ EP	1119 20.09
BEHE SZ EP	1119 23.97

**October 30 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EPg C	1454 59.98
PSZ SN ESg	1455 03.15

**October 30 2012 Hour: 20:09:23.0 Lat: 51.58°N Lon: 16.17°E M: 4.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BEHE SZ EPn	2010 36.38
PSZ SZ EPn	2010 31.44
TRPA SZ EPn	2010 43.17
SOP SZ EPn	2010 28.35
MORH SZ EPn	2010 48.72

BUD XE EPn D 2010 47.80  
 BUD XZ EPn 2010 37.30  
 SOP SN Sn 2011 17.43  
 MORH SN Sn 2011 54.47  
 PSZ SN Sn 2011 23.21  
 TRPA SN Sn 2011 48.31  
 BUD XN Sn 2011 26.35  
 BEHE SN Sn 2011 37.53  
 LTVH SZ EPn 2010 47.53  
 LTVH SN Sn 2011 45.96

**October 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1352 05.66

**November 01 2012 Hour: 06:33:37.0 Lat: 72.02°N Lon: 0.14°W M: 4.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0639 11.77

**November 01 2012 Hour: 06:57:22.0 Lat: 49.41°N Lon: 155.55°E M: 5.3 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0709 10.97  
 MORH SZ EP 0709 12.30  
 PSZ SZ EP 0709 08.71

**November 01 2012 Hour: 09:51:04.0 Lat: 51.29°N Lon: 179.71°W M: 5.0 Depth: 56 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1003 06.44

**November 02 2012 Hour: 01:52:03.0 Lat: 55.87°N Lon: 162.85°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0202 14.71  
 LTVH SZ EP C 0203 29.64  
 MORH SZ EP 0203 21.49  
 PSZ SZ EP 0203 29.02  
 SOP SZ EP D 0203 23.53  
 BEHE SZ EP C 0203 40.62

**November 02 2012 Hour: 01:52:03.0 Lat: 55.87°N Lon: 162.85°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP C 0203 33.48

**November 02 2012 Hour: 18:17:36.0 Lat: 9.33°N Lon: 126.29°E M: 6.0 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP C 1830 45.84  
 BEHE SE ES 1841 51.25  
 LTVH SN ES 1843 08.12  
 MORH SN ES 1841 53.00  
 PSZ SN ES 1841 46.01  
 SOP SN ES 1842 05.22  
 TRPA SN ES 1841 32.03  
 BEHE SZ EP C 1830 58.03  
 LTVH SZ EP C 1830 41.43

MORH SZ EP C 1830 52.67  
 SOP SZ EP C 1830 55.09  
 TRPA SZ EP C 1830 38.50

**November 02 2012 Hour: 18:17:36.0 Lat: 9.33°N Lon: 126.29°E M: 6.0 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ IP C 1830 47.30

**November 02 2012 Hour: 22:34:21.0 Lat: 38.03°N Lon: 141.33°E M: 5.1 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2246 19.87  
 PSZ SZ EP C 2246 27.41

**November 03 2012 Hour: 11:12:24.0 Lat: 10.60°N Lon: 127.04°E M: 5.4 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1125 37.08  
 MORH SZ EP C 1125 39.65  
 PSZ SZ EP C 1125 44.16

**November 03 2012 Hour: 12:58:12.0 Lat: 7.08°N Lon: 34.01°W M: 5.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1308 15.52  
 PSZ SZ EP D 1308 25.24  
 SOP SZ EP C 1308 13.02  
 TRPA SZ EP 1308 35.71  
 MORH SN ES 1316 31.26  
 PSZ SN ES 1316 43.35  
 SOP SN ES 1316 15.15  
 TRPA SN ES 1317 04.31

**November 03 2012 Hour: 20:49:10.0 Lat: 21.97°S Lon: 176.25°W M: 5.1 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP 2108 52.10  
 MORH SZ EP 2108 55.27  
 PSZ SZ EP 2108 52.10  
 SOP SZ EP 2108 54.84  
 TRPA SZ EP C 2108 49.35

**November 03 2012 Hour: 20:49:10.0 Lat: 21.97°S Lon: 176.25°W M: 5.1 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 2107 10.39

**November 04 2012 Hour: 12:13:02.0 Lat: 22.25°S Lon: 171.48°E M: 5.1 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP C 1232 25.37  
 MORH SZ EP C 1232 32.39  
 PSZ SZ EP C 1232 27.51  
 SOP SZ EP 1232 33.31  
 TRPA SZ EP C 1232 23.23

**November 04 2012 Hour: 12:13:02.0 Lat: 22.25°S Lon: 171.48°E M: 5.1 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP 1231 18.52



**November 04 2012 Hour: 12:27:36.0 Lat: 52.34°N Lon: 132.02°W M: 5.0 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1239 40.23  
PSZ SZ EP 1239 37.63  
PSZ SZ E 1239 41.96

**November 05 2012 Hour: 00:29:58.0 Lat: 0.05°S Lon: 125.33°E M: 5.2 Depth: 30 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0037 19.97  
SOP SZ EP 0037 25.07  
MORH SZ EP 0037 15.39  
LTVH SZ EP 0037 22.52

**November 05 2012 Hour: 04:30:25.0 Lat: 37.84°N Lon: 143.64°E M: 5.6 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 0442 49.30  
MORH SZ EP D 0442 49.68  
SOP SZ EP D 0442 48.91  
TRPA SZ EP D 0442 32.46  
PSZ SZ EP D 0442 41.13

**November 05 2012 Hour: 04:30:25.0 Lat: 37.84°N Lon: 143.64°E M: 5.6 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP D 0442 43.74

**November 06 2012 Hour: 03:36:18.0 Lat: 21.46°S Lon: 178.70°W M: 4.9 Depth: 473 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP 0352 42.42

**November 06 2012 Hour: 03:36:18.0 Lat: 21.46°S Lon: 178.70°W M: 4.9 Depth: 473 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP D 0355 12.10  
MORH SZ EP D 0355 16.68  
PSZ SZ EP D 0355 12.62  
SOP SZ EP D 0355 16.16  
TRPA SZ EP D 0355 09.21

**November 06 2012 Hour: 06:17:29.4 Lat: 10.10°N Lon: 57.21°E M: 5.7 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SE ES 0633 15.11  
LTVH SZ EP C 0626 05.85  
PSZ SZ EP 0626 13.90  
SOP SZ EP 0626 27.10  
TRPA SZ EP 0626 05.85  
LTVH SN EPP 0627 55.92  
MORH SE ES 0633 16.32  
MORH SE EPP 0628 05.99  
PSZ SE EPP 0628 09.77  
TRPA SN EPP 0627 58.44  
MORH SZ EP D 0626 11.97  
MORH SZ ESS 0636 50.58  
PSZ SN ES 0633 16.32

PSZ	SN	ESS	0636	55.01
SOP	SN	ES	0633	40.37
SOP	SN	EPP	0628	26.78
SOP	SN	ESS	0637	11.98
TRPA	SE	ES	0633	03.09
TRPA	SE	ESS	0636	38.77

**November 06 2012 Hour: 06:17:29.4 Lat: 10.10°N Lon: 57.21°E M: 5.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD	XZ	EP	0626	16.28
BUD	XZ	EPP	0628	13.59

**November 07 2012 Hour: 06:26:32.0 Lat: 38.48°N Lon: 46.62°E M: 5.5 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH	SZ	EP	0631	27.49
PSZ	SZ	EP	0631	23.06
SOP	SZ	EP	0631	44.23
TRPA	SZ	EP	0631	05.17
TRPA	SN	ES	0634	53.63
SOP	SN	ES	0636	00.44
PSZ	SN	ES	0635	20.29
MORH	SN	ES	0635	31.72
LTVH	SE	ES	0635	15.31
LTVH	SZ	EP	C 0631	07.77

**November 07 2012 Hour: 06:26:32.0 Lat: 38.48°N Lon: 46.62°E M: 5.5 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD	XZ	EP	C 0631	27.94
-----	----	----	--------	-------

**November 07 2012 Hour: 16:35:48.0 Lat: 14.06°N Lon: 91.79°W M: 7.3 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD	XZ	IP	C 1648	58.28
BUD	XZ	EPP	1652	37.04
BUD	XN	IS	1659	36.83
BUD	XN	ESS	1706	13.22

**November 07 2012 Hour: 16:35:48.0 Lat: 14.06°N Lon: 91.79°W M: 7.3 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE	SN	ES	1659	28.31
MORH	SE	ES	1659	30.54
LTVH	SN	ES	1659	45.05
PSZ	SN	ES	1659	32.77
SOP	SN	ES	1659	22.73
TRPA	SN	ES	1659	41.70
SOP	SZ	IP	C 1648	52.71
SOP	SZ	EPP	1652	23.23
PSZ	SZ	IP	C 1649	04.00
PSZ	SZ	EPP	1652	38.86
MORH	SZ	IP	C 1649	03.10
MORH	SZ	EPP	1652	37.66
LTVH	SZ	IP	1649	10.55
LTVH	SZ	EPP	1652	53.29
BEHE	SZ	IP	C 1648	54.74

4. fejezet: Regionális és teleszeizmikus földrengések

---

BEHE SZ EPP 1652 40.06  
TRPA SZ IP 1649 08.44  
TRPA SZ EPP 1652 55.83

**November 08 2012 Hour: 02:01:50.0 Lat: 49.23°N Lon: 128.46°W M: 6.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ IP 0214 04.46  
BUD XN IS 0224 00.84

**November 08 2012 Hour: 02:01:50.0 Lat: 49.23°N Lon: 128.46°W M: 6.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 0214 00.39  
SOP SZ EP D 0213 55.33  
TRPA SZ EP D 0214 03.11  
MORH SZ EP D 0214 02.75  
TRPA SN ES 0223 57.53  
SOP SN ES 0223 55.54  
PSZ SN ES 0223 55.54  
MORH SN ES 0224 16.43  
LTVH SN ES 0224 14.44  
BEHE SN ES D 0224 02.50  
PSZ SZ EP 0213 56.67  
LTVH SZ EP 0214 01.86

**November 09 2012 Hour: 03:51:57.0 Lat: 36.85°N Lon: 141.39°E M: 5.1 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD BZ EP C 0404 18.89  
MORH SZ EP C 0404 21.15  
SOP SZ EP C 0404 21.16  
PSZ SZ EP 0404 12.28

**November 09 2012 Hour: 19:59:43.0 Lat: 0.89°N Lon: 97.41°E M: 5.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 2012 02.47  
PSZ SZ EP 2011 54.20  
TRPA SZ EP D 2012 00.92

**November 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN Sn 0542 41.99  
PSZ SZ EPn 0542 14.14  
PSZ SZ EPg 0542 19.87

**November 10 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN ESg 0813 14.77  
PSZ SZ EPg 0813 12.12

**November 10 2012 Hour: 14:57:47.0 Lat: 8.89°S Lon: 75.15°W M: 6.0 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP D 1511 18.34  
MORH SZ EP D 1511 16.75  
STA BZ EP D 1511 15.17

LTVH SZ EP 1511 27.10  
 PSZ SZ EP D 1511 21.60  
 BEHE SZ EP D 1511 11.72

**November 11 2012 Hour: 01:12:38.0 Lat: 23.07°N Lon: 96.05°E M: 6.8 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EP		0123	25.22											
BUD	XZ	EP		0123	17.96											
LTVH	SZ	EP		0123	05.68											
MORH	SZ	EP		0123	17.40											
PSZ	SZ	EP		0123	11.26											
STA	BZ	EP		0123	21.31											
STA	BN	ES		0132	12.19											
PSZ	SN	ES		0131	52.19											
MORH	SN	ES		0132	00.76											
LTVH	SN	ES		0131	49.33											
BUD	XN	ES		0131	55.04											
BEHE	SN	ES		0132	22.20											
MORH	SE	ESS		0137	33.73											
STA	BE	ESS		0137	32.30											
BUD	XE	ESS	C	0137	38.02											
BEHE	SE	ESS		0137	26.59											

**November 11 2012 Hour: 18:19:42.0 Lat: 23.23°N Lon: 95.89°E M: 5.5 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BUD	XZ	EP		1830	18.81											
LTVH	SZ	EP		1830	07.42											
MORH	SZ	EP	C	1830	21.16											
PSZ	SZ	EP		1830	17.36											
SOP	SZ	EP		1830	30.74											
STA	BZ	EP		1830	24.23											
TRPA	SZ	EP	C	1830	03.26											
BEHE	SZ	EP		1830	29.66											

**November 11 2012 Hour: 18:39:24.0 Lat: 29.57°N Lon: 81.60°E M: 5.0 Depth: 40 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		1848	23.08											
TRPA	SZ	EP		1848	03.09											

**November 11 2012 Hour: 22:15:01.0 Lat: 14.23°N Lon: 92.13°W M: 6.4 Depth: 30 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	IP	D	2228	21.56											

**November 11 2012 Hour: 23:16:42.0 Lat: 49.42°N Lon: 155.31°E M: 5.1 Depth: 51 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		2328	30.98											
SOP	SZ	EP		2328	30.03											
TRPA	SZ	EP		2328	15.87											

**November 11 2012 Hour: 23:45:02.0 Lat: 40.51°N Lon: 21.29°E M: 3.4 Depth: 5 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn		2346	32.18											
MORH	SE	Sn		2347	38.68											

**November 12 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1056 03.87  
PSZ SN ESg 1056 09.04

**November 12 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPg 1120 25.73  
SOP SN ESg 1120 26.70

**November 12 2012 Hour: 11:15:10.0 Lat: 29.78 °N Lon: 137.94°E M: 5.6 Depth: 509 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 1126 58.03  
PSZ SZ EP D 1126 50.00  
SOP SZ EP D 1126 58.44  
TRPA SZ EP D 1126 42.79

**November 12 2012 Hour: 14:47:42.0 Lat: 24.24°S Lon: 178.84°E M: 5.7 Depth: 564 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1506 36.82  
BUD XZ EP 1506 33.92  
LTVH SZ EP 1506 31.60  
MORH SZ EP 1506 34.69  
PSZ SZ EP 1506 31.79  
SOP SZ EP 1506 35.08  
STA BZ EP 1506 36.62  
TRPA SZ EP 1506 29.86

**November 12 2012 Hour: 14:58:10.3 Lat: 17.65°S Lon: 172.64°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1517 58.21  
BUD XZ EP 1517 57.27  
LTVH SZ EP 1517 57.27  
MORH SZ EP 1517 58.97  
PSZ SZ EP C 1517 55.76  
SOP SZ EP 1517 57.84  
TRPA SZ EP D 1517 55.10

**November 12 2012 Hour: 20:42:13.0 Lat: 57.78°N Lon: 142.78°W M: 6.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP D 2053 51.52  
LTVH SZ EP D 2053 53.65  
MORH SZ EP D 2053 57.92  
PSZ SZ EP D 2053 49.38  
SOP SZ EP D 2053 47.96  
STA BZ EP D 2053 53.65  
TRPA SZ EP D 2053 49.03  
BEHE SZ EP D 2053 55.31  
BEHE SZ ES 2103 35.91  
BUD XN ES 2103 31.94  
LTVH SE ES 2103 30.95  
PSZ SN ES 2103 21.03

SOP SN ES 2103 16.07  
 STA BN ES D 2103 27.97  
 TRPA SN ES D 2103 20.04

**November 12 2012 Hour: 23:18:42.0 Lat: 42.54°N Lon: 19.07°E M: 4.5 Depth: 18 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPn		2320	02.61											
BUD	XN	Sn		2320	53.15											
LTVH	SN	Sn		2321	41.34											
MORH	SN	Sn		2320	25.03											
PSZ	SN	Sn		2321	01.18											
SOP	SN	Sn		2321	03.86											
STA	BZ	EPn		2319	50.41											
SOP	SZ	EPn		2320	04.91											
MORH	SZ	EPn		2319	39.54											
BUD	XZ	EPn		2319	56.65											
LTVH	SZ	EPn		2320	01.70											
BEHE	SZ	EPn		2319	48.72											
TRPA	SE	Sn		2321	20.24											
STA	BN	Sn		2320	42.53											
PSZ	SE	Sn		2321	03.29											
MORH	SE	Sn		2320	22.72											
BEHE	SN	Sn		2320	38.34											
TRPA	SZ	EPn		2320	12.63											

**November 12 2012 Hour: 23:28:51.0 Lat: 40.70°N Lon: 19.69°E M: 3.6 Depth: 4 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SN	Sn		2331	17.52											
MORH	SZ	EPn	D	2330	16.65											

**November 12 2012 Hour: 23:50:29.0 Lat: 42.54°N Lon: 19.07°E M: 2.8 Depth: 19 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SN	Sn		2352	09.23											
PSZ	SN	Sn		2352	54.05											
MORH	SZ	EPn	D	2351	26.91											
PSZ	SZ	EPn		2351	50.78											

**November 13 2012 Hour: 04:55:47.0 Lat: 52.85°N Lon: 132.04°W M: 5.3 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		0507	45.82											
PSZ	SZ	EP	C	0507	39.74											
SOP	SZ	EP		0507	56.46											
TRPA	SZ	EP	C	0507	40.50											

**November 13 2012 Hour: 06:21:33.0 Lat: 29.86°N Lon: 42.85°W M: 5.2 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		0630	25.23											

**November 13 2012 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EP		0955	45.39											

**November 13 2012 Hour: Lat: Lon: M: Depth:**

4. fejezet: Regionális és teleszeizmikus földrengések

---

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPg 1022 52.83  
MORH SN ESg 1022 58.88

**November 13 2012 Hour: 23:24:10.0 Lat: 42.55°N Lon: 19.02°E M: 4.6 Depth: 17 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2325 15.46  
PSZ SZ EPn 2325 30.30  
BEHE SN Sn 2326 07.56  
BUD XN Sn 2326 18.11  
LTVH SE Sn 2326 25.37  
MORH SN Sn 2325 48.77  
PSZ SE Sn 2326 31.30  
STA BZ EPn 2325 17.83  
TRPA SZ EPn 2325 39.96  
SOP SZ EPn 2325 31.51  
MORH SZ EPn 2325 06.74  
LTVH SZ EPn 2325 29.23  
BUD XZ EPn 2325 24.45  
SOP SN Sn 2326 31.06  
STA BN Sn 2326 06.80  
TRPA SN Sn D 2326 46.57

**November 13 2012 Hour: 23:24:10.0 Lat: 42.55°N Lon: 19.02°E M: 4.6 Depth: 17 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EPn C 2325 24.26  
BUD XN Sn 2326 18.17  
BUD XN ESg 2326 54.20

**November 13 2012 Hour: 23:23:48.0 Lat: 21.11°S Lon: 175.85°W M: 5.5 Depth: 25 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 2343 35.61  
MORH SZ EP 2343 33.42  
PSZ SZ EP 2343 36.61  
SOP SZ EP 2343 35.61  
TRPA SZ EP 2343 34.22

**November 13 2012 Hour: 23:43:35.0 Lat: 51.69°N Lon: 176.94°E M: 4.6 Depth: 54 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 2358 16.08  
PSZ SZ EP 2358 26.45  
TRPA SZ EP 2358 22.85

**November 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SN Sn 0223 52.55  
BEHE SN Sn 0223 55.15  
STA BN Sn 0224 07.36  
BEHE SZ EPn 0223 25.71  
BEHE SZ ESg 0223 36.84  
MORH SZ EPn 0223 24.62  
MORH SZ ESg 0223 32.54  
STA BZ EPn 0223 32.98

STA BZ ESg 0223 41.54

**November 14 2012 Hour: 07:41:54.0 Lat: 20.64°S Lon: 174.03°W M: 5.0 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 0801 55.10

**November 14 2012 Hour: 07:41:54.0 Lat: 20.64°S Lon: 174.03°W M: 5.0 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 0801 50.30

PSZ SZ EP 0801 46.43

TRPA SZ EP C 0801 43.52

**November 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPg 1012 32.73

MORH SN ESg 1012 36.82

**November 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPg 1102 57.69

PSZ SN ESg 1103 00.50

**November 14 2012 Hour: 19:02:05.0 Lat: 29.10°S Lon: 71.23°W M: 6.1 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EP 1920 45.18

MORH SZ EP 1920 49.05

SOP SZ EP C 1920 57.49

TRPA SZ EP 1920 37.80

**November 14 2012 Hour: 23:41:53.0 Lat: 5.89°S Lon: 151.53°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 2400 49.19

**November 15 2012 Hour: 03:17:33.8 Lat: 47.83°N Lon: 16.16°E M: 2.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EPg C 0317 38.76

SOP SN ESg 0317 41.99

**November 15 2012 Hour: 09:20:23.0 Lat: 18.48°N Lon: 100.29°W M: 6.0 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

LTVH SZ EP D 0933 45.96

MORH SZ EP 0933 39.57

PSZ SZ EP 0933 40.15

SOP SZ EP C 0933 33.18

STA BZ EP C 0933 38.41

TRPA SN ES 0945 10.53

STA BN ES 0943 16.60

SOP SN ES 0944 14.96

PSZ SN ES D 0944 39.97

MORH SE ES 0944 13.57

LTVH SE ES 0944 33.02

BUD XE ES C 0944 14.96

BEHE SN ES 0944 30.24



4. fejezet: Regionális és teleszeizmikus földrengések

---

TRPA SZ EP 0933 46.86  
BUD XZ EP 0933 38.94  
BEHE SZ EP 0933 35.23

**November 15 2012 Hour: 11:22:23.0 Lat: 52.55°N Lon: 173.45°E M: 5.7 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 1134 26.49  
BUD XZ EP C 1135 17.81  
LTVH SZ EP C 1134 17.56  
MORH SZ EP C 1134 25.19  
PSZ SZ EP C 1134 16.08  
SOP SZ EP C 1134 20.35  
STA BZ EP C 1134 23.52  
TRPA SZ EP C 1134 11.80

**November 15 2012 Hour: 21:44:02.0 Lat: 42.89°N Lon: 17.86°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2145 00.67  
MORH SZ EPn 2144 56.63  
BEHE SN Sn 2145 44.53  
MORH SN Sn 2145 36.45  
STA BN Sn 2145 51.71  
PSZ SZ EPn 2145 18.37  
PSZ SN Sn 2146 21.99  
STA BZ EPn C 2145 04.77

**November 16 2012 Hour: 03:58:27.0 Lat: 38.56°N Lon: 46.73°E M: 4.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0402 57.63  
STA BZ EP 0403 30.09  
SOP SZ EP 0403 32.14  
PSZ SZ EP 0403 17.96  
MORH SZ EP 0403 24.42  
BUD XZ EP 0403 23.47  
BEHE SZ EP 0403 35.92  
LTVH SZ EP 0403 14.49  
LTVH SZ EPn 0403 09.41

**November 16 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPg 0500 28.36  
MORH SN ESg 0500 39.65

**November 16 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPg 0814 45.62  
MORH SN ESg 0814 51.96

**November 16 2012 Hour: 08:25:53.0 Lat: 35.35°N Lon: 141.17°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 0838 25.28  
BUD XZ EP 0838 17.32  
LTVH SZ EP 0838 19.36

MORH SZ EP D 0838 21.20  
 PSZ SZ EP 0838 13.65  
 SOP SZ EP 0838 22.42  
 STA BZ EP 0838 22.42  
 TRPA SZ EP D 0838 05.09

**November 16 2012 Hour: 16:40:17.0 Lat: 37.60°N Lon: 72.10°E M: 5.5 Depth: 122 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1647 40.41  
 SOP SZ EP D 1647 50.23  
 TRPA SZ EP C 1647 17.90

**November 16 2012 Hour: 18:12:36.0 Lat: 49.36°N Lon: 155.39°E M: 6.5 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP C 1824 36.70  
 BUD XZ EP C 1824 28.33  
 LTVH SZ EP C 1824 23.30  
 MORH SZ EP C 1824 33.35  
 PSZ SZ EP C 1824 23.72  
 SOP SZ EP C 1824 32.10  
 STA BZ EP C 1824 32.93  
 TRPA SZ EP C 1824 17.02  
 BEHE SN IS 1834 23.35  
 BEHE SN ESS 1839 34.44  
 BUD XN IS 1834 13.98  
 BUD XN ESS 1839 08.20  
 LTVH SN IS 1833 59.92  
 LTVH SN ESS 1839 47.56  
 MORH SN IS 1834 23.35  
 MORH SN ESS 1839 46.62  
 PSZ SE IS 1834 07.42  
 PSZ SE ESS 1839 33.50  
 SOP SE IS 1834 15.85  
 SOP SE ESS 1839 29.75  
 STA BN IS 1834 08.35  
 STA BN ESS 1839 28.82  
 TRPA SN IS 1833 53.36  
 TRPA SN ESS 1839 28.82

**November 16 2012 Hour: 20:57:37.0 Lat: 50.24°N Lon: 18.95°E M: 2.8 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN ESg 2058 55.92  
 PSZ SZ EPg C 2058 23.34  
 PSZ SZ EPn 2058 17.85

**November 17 2012 Hour: 05:12:55.0 Lat: 18.28°S Lon: 172.36°W M: 5.9 Depth: 0 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0532 43.71  
 BUD XZ EP D 0532 45.68  
 LTVH SZ EP D 0532 45.35  
 PSZ SZ EP 0532 44.86  
 SOP SZ EP D 0532 47.00  
 STA BZ EP 0532 42.23

TRPA SZ EP D 0532 42.06  
MORH SZ EP D 0532 43.38

**November 17 2012 Hour: 16:37:39.0 Lat: 45.32°N Lon: 151.56°E M: 4.9 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1649 26.84  
MORH SZ EP C 1649 42.62

**November 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2022 35.52  
SOP SZ EPn 2022 51.95  
MORH SZ EPn 2022 32.28  
MORH SE Sn 2023 01.19  
BEHE SN Sn 2022 59.41

**November 18 2012 Hour: 21:01:40.0 Lat: 42.23°N Lon: 20.03°E M: 2.8 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SE Sn 2103 33.16  
MORH SZ EPn 2102 42.58

**November 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2124 11.40  
STA BZ EPn 2124 04.08  
MORH SN Sn 2124 39.95  
STA BN Sn 2124 35.38

**November 19 2012 Hour: 09:44:34.0 Lat: 5.72°S Lon: 151.66°E M: 5.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 1003 29.95  
PSZ SZ EP D 1003 26.16  
SOP SZ EP D 1003 30.46  
STA BZ EP D 1003 21.36

**November 19 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn D 1237 02.22  
MORH SN Sn 1237 16.67

**November 19 2012 Hour: 17:54:09.0 Lat: 30.67°N Lon: 67.64°E M: 5.2 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1801 52.06  
PSZ SZ EP 1801 43.43  
TRPA SZ EP D 1801 30.67

**November 20 2012 Hour: 08:57:48.0 Lat: 43.77°N Lon: 21.63°E M: 3.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN Sn 0859 42.50  
MORH SN Sn 0859 17.96  
MORH SN ESg 0859 34.26  
MORH SZ EPn 0858 38.76  
STA BN Sn 0859 38.28

STA BZ EPn 0858 50.83  
 PSZ SZ EPn 0858 53.73

**November 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 1001 20.62  
 MORH SN ESg 1001 26.78

**November 20 2012 Hour: 16:23:53.0 Lat: 0.85°S Lon: 30.22°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1632 32.01  
 PSZ SZ EP 1632 40.56

**November 20 2012 Hour: 16:52:48.0 Lat: 42.83°N Lon: 19.07°E M: 2.1 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SE Sn 1654 22.34  
 MORH SZ EPn D 1653 42.25

**November 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2157 25.31  
 MORH SN Sn 2157 53.24

**November 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 0423 26.89  
 PSZ SN Sn 0424 02.72  
 MORH SZ EPn 0423 43.81  
 MORH SN Sn 0424 30.97

**November 21 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN ESg 0949 37.18  
 MORH SZ EPg 0949 34.70

**November 21 2012 Hour: 17:42:39.0 Lat: 38.55°N Lon: 141.72°E M: 5.0 Depth: 53 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1754 49.54  
 PSZ SZ EP C 1754 40.68  
 SOP SZ EP C 1754 49.74  
 TRPA SZ EP C 1754 33.04

**November 22 2012 Hour: 02:39:18.0 Lat: 43.80°N Lon: 19.03°E M: 2.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 0240 26.89  
 MORH SZ EPn D 0239 58.00

**November 22 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 0352 16.69  
 PSZ SN Sn 0352 43.79  
 SOP SN Sn 0352 59.98  
 SOP SZ EPn 0352 25.10

**November 22 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1102 25.56

**November 22 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SN ESg 1138 22.50  
MORH SZ EPg 1138 15.82

**November 22 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1138 50.22  
PSZ SN ESg 1138 53.51

**November 22 2012 Hour: 13:07:10.0 Lat: 22.80°S Lon: 63.69°W M: 5.8 Depth: 524 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP D 1319 59.47  
MORH SZ EP D 1320 04.89  
SOP SZ EP D 1320 00.78

**November 22 2012 Hour: 18:01:15.0 Lat: 4.59°S Lon: 102.77°E M: 5.2 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1814 02.41  
TRPA SZ EP 1814 06.28  
BEHE SZ EP C 1814 10.14  
PSZ SZ EP C 1814 00.22

**November 23 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 0010 20.68  
PSZ SN Sn 0010 33.53

**November 23 2012 Hour: 20:21:28.0 Lat: 38.25°N Lon: 141.79°E M: 5.0 Depth: 48 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 2033 33.29  
SOP SZ EP 2033 40.40  
TRPA SZ EP D 2033 25.17  
MORH SZ EP 2033 40.52

**November 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN ESg 0732 48.83  
PSZ SZ EPg 0732 42.54

**November 24 2012 Hour: 08:59:48.0 Lat: 35.55 °N Lon: 139.95°E M: 5.1 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 0911 52.58  
TRPA SZ EP C 0911 47.85  
MORH SZ EP C 0912 04.38  
PSZ SZ EP C 0911 55.65

**November 24 2012 Hour: 11:52:29.0 Lat: 51.62°N Lon: 159.07°E M: 4.9 Depth: 88 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1204 11.12  
 PSZ SZ EP C 1204 01.01  
 SOP SZ EP 1204 16.48

**November 24 2012 Hour: 16:04:30.0 Lat: 38.83°N Lon: 43.60°E M: 4.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1609 03.25  
 PSZ SZ EP 1609 03.58

**November 24 2012 Hour: 18:48:00.0 Lat: 21.49°S Lon: 178.88°W M: 4.8 Depth: 554 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1906 48.29  
 BUD XZ EP 1906 48.83  
 TRPA SZ EP D 1906 43.85  
 STA BZ EP D 1906 50.28  
 PSZ SZ EP D 1906 47.02  
 SOP SZ EP 1906 50.52  
 MORH SZ EP 1906 51.09  
 LTVH SZ EP 1906 46.61

**November 24 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN ESg 2204 33.87  
 PSZ SZ EPg 2204 31.10

**November 25 2012 Hour: 02:43:55.0 Lat: 43.87°N Lon: 13.38°E M: 3.1 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0245 06.73  
 SOP SZ EPn 0245 04.22  
 SOP SN Sn 0245 55.20  
 MORH SN Sn 0246 08.67  
 MORH SE Sn 0245 55.34

**November 25 2012 Hour: 20:18:45.0 Lat: 40.92°N Lon: 21.09°E M: 3.6 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN Sn 2021 46.83  
 MORH SN Sn 2021 14.08  
 MORH SZ EPn D 2020 07.19  
 PSZ SZ EPn 2020 28.35

**November 26 2012 Hour: 05:33:49.0 Lat: 40.49°N Lon: 90.41°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 0542 59.01  
 BUD XZ EP 0542 53.73  
 MORH SZ EP C 0542 50.21  
 PSZ SZ EP 0542 40.41  
 SOP SZ EP C 0542 56.62  
 STA BZ EP C 0542 51.47  
 TRPA SZ EP 0542 51.85  
 LTVH SZ EP 0542 32.53

**November 26 2012 Hour: 07:23:35.0 Lat: 10.57°N Lon: 126.85°E M: 5.3 Depth: 10 km**

4. fejezet: Regionális és teleszeizmikus földrengések

---

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0736 41.05  
TRPA SZ EP 0736 41.53

**November 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1045 52.86  
PSZ SN Sn 1046 05.35

**November 26 2012 Hour: 17:35:42.0 Lat: 36.58°N Lon: 27.95°E M: 4.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1738 27.99  
PSZ SZ EPn 1738 45.52  
TRPA SZ EPn 1738 35.58  
MORH SN Sn 1740 41.20  
TRPA SE Sn 1740 28.33

**November 26 2012 Hour: 22:05:17.0 Lat: 41.62°N Lon: 20.19°E M: 4.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2206 39.06  
BUD XZ EPn 2206 43.69  
LTVH SZ EPn 2206 44.80  
PSZ SZ EPn 2206 49.65  
TRPA SZ EPn 2206 55.39  
PSZ SN Sn 2208 01.39  
LTVH SN Sn 2207 49.25  
BUD XN Sn 2207 51.46  
BEHE SN Sn 2207 39.98  
STA BN Sn 2207 44.84  
TRPA SN Sn 2208 04.26  
MORH SN Sn 2207 20.95  
STA BZ EPn 2206 38.18  
STA BZ EP 2206 39.05  
MORH SZ EPn 2206 28.02  
MORH SZ EP D 2206 28.04

**November 26 2012 Hour: 23:13:51.0 Lat: 13.94°N Lon: 93.57°E M: 5.0 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 2324 44.28  
MORH SZ EP C 2324 56.61  
PSZ SZ EP C 2324 51.91  
SOP SZ EP 2325 05.49  
TRPA SZ EP C 2324 40.87

**November 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPg 0746 26.09  
MORH SN ESg 0746 32.14

**November 27 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1313 54.82  
MORH SN Sn 1314 09.67

PSZ SN Sn 1314 10.63  
 PSZ SZ EPn D 1313 52.26

**November 27 2012 Hour: 14:42:14.0 Lat: 48.15°N Lon: 155.05°E M: 5.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EP C 1454 06.27  
 LTVH SZ EP C 1454 01.59  
 SOP SZ EP 1454 09.14  
 PSZ SZ EP C 1454 02.49  
 STA BZ EP C 1454 10.04  
 BEHE SZ EP C 1454 15.08  
 TRPA SZ EP C 1453 56.61  
 MORH SZ EP C 1454 12.20

**November 27 2012 Hour: 19:06:21.0 Lat: 40.80°N Lon: 19.62°E M: 4.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 1908 48.53  
 MORH SZ EPn 1907 44.51  
 MORH SZ ESg 1909 21.07

**November 27 2012 Hour: 21:26:38.0 Lat: 50.15°N Lon: 18.61°E M: 2.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SN Sn 2128 25.00  
 PSZ SZ EPg 2127 23.82  
 PSZ SN Sn 2127 49.01  
 MORH SZ EPn 2127 38.16

**November 27 2012 Hour: 22:44:04.0 Lat: 38.99°N Lon: 22.18°E M: 3.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2245 55.58  
 MORH SN Sn 2247 23.30

**November 28 2012 Hour: 01:49:46.0 Lat: 42.50°N Lon: 20.10°E M: 4.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ EPn 0152 02.53  
 PSZ SZ EPn 0151 07.23  
 SOP SZ EPn 0151 12.12  
 TRPA SZ EPn 0151 14.38  
 BEHE SN Sn 0151 51.62  
 BUD XN Sn 0152 56.69  
 LTVH SN Sn 0151 59.90  
 MORH SN Sn 0151 50.12  
 PSZ SN Sn 0152 13.81  
 SOP SN Sn 0152 17.95  
 STA BN Sn 0152 02.90  
 TRPA SN Sn 0152 37.51  
 LTVH SZ EPn 0151 03.28  
 BEHE SZ EPn 0150 56.93  
 MORH SZ EPn 0150 45.47  
 STA BZ EPn 0150 56.84

**November 28 2012 Hour: 03:09:49.0 Lat: 4.50°S Lon: 76.12°W M: 5.6 Depth: 117 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7



4. fejezet: Regionális és teleszeizmikus földrengések

---

BEHE SZ EP D 0323 00.56  
MORH SZ EP D 0323 04.67  
PSZ SZ EP D 0323 08.54  
SOP SZ EP D 0322 58.28

**November 28 2012 Hour: 05:30:13.0 Lat: 41.92°N Lon: 77.96°E M: 4.9 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 0537 58.64  
PSZ SZ EP 0537 52.70

**November 28 2012 Hour: 15:32:53.0 Lat: 41.32°N Lon: 22.40°E M: 3.5 Depth: 3 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SN Sn 1535 22.99  
PSZ SN Sn 1535 53.91  
PSZ SZ EPn 1534 32.39  
MORH SZ EPn 1534 16.06

**November 29 2012 Hour: 00:30:30.0 Lat: 20.97°S Lon: 178.75°W M: 5.5 Depth: 512 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP 0049 19.29  
MORH SZ EP D 0049 22.62  
STA BZ EP 0049 21.87  
TRPA SZ EP D 0049 15.74  
LTVH SZ EP D 0049 18.48  
PSZ SZ EP D 0049 18.98  
SOP SZ EP D 0049 22.32

**November 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0834 12.33  
PSZ SE ESg 0834 13.62

**November 29 2012 Hour: 10:37:37.0 Lat: 20.64°S Lon: 177.10°W M: 5.4 Depth: 240 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 1056 57.04  
SOP SZ EP D 1057 00.43  
TRPA SZ EP D 1056 54.13  
MORH SZ EP D 1057 01.36  
LTVH SZ EP 1056 56.99

**November 29 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2020 37.11  
MORH SN Sn 2020 49.87

**November 29 2012 Hour: 23:22:35.0 Lat: 52.68°N Lon: 172.39°E M: 5.1 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ EP C 2334 29.96  
SOP SZ EP C 2334 31.40  
TRPA SZ EP C 2334 22.19  
PSZ SZ EP C 2334 26.53

**November 30 2012 Hour: 11:20:38.0 Lat: 18.80°S Lon: 175.55°W M: 5.5 Depth: 200 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1140 07.12  
 BUD XZ EP 1140 06.13  
 MORH SZ EP D 1140 05.35  
 PSZ SZ EP D 1140 00.84  
 SOP SZ EP D 1140 04.37  
 STA BZ EP 1140 04.86  
 TRPA SZ EP 1139 58.59  
 LTVH SZ EP C 1140 01.54

**November 30 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ IPg 1323 14.05  
 PSZ SN ESg 1323 17.29

**December 01 2012 Hour: 08:00:57.0 Lat: 58.67°N Lon: 154.44°W M: 5.7 Depth: 95 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ IP C 0812 21.89  
 LTVH SZ IP C 0812 24.12  
 MORH SZ IP C 0812 29.30  
 SOP SZ IP C 0812 21.06

**December 01 2012 Hour: 15:16:46.0 Lat: 31.93°N Lon: 104.40°E M: 4.9 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1527 22.75

**December 01 2012 Hour: 20:52:07.0 Lat: 45.75°N Lon: 26.76°E M: 4.6 Depth: 78 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2053 29.74  
 LTVH SN Sn 2053 45.50  
 LTVH SZ EPn D 2053 03.09  
 PSZ SN Sn 2054 25.84  
 MORH SN Sn 2054 38.06  
 PSZ SZ EPn 2053 22.38  
 PSZ SZ EPg 2053 45.25

**December 01 2012 Hour: 23:34:16.0 Lat: 51.55°N Lon: 16.15°E M: 4.0 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2335 40.00  
 SOP SZ EPn 2335 18.71  
 MORH SN Sn 2336 51.02  
 PSZ SN Sn 2336 15.97  
 PSZ SZ EPn 2335 23.30  
 PSZ SZ EPg 2335 41.42  
 SOP SN Sn 2336 02.28  
 SOP SN EPg 2335 28.52

**December 02 2012 Hour: 00:54:22.0 Lat: 16.96°S Lon: 167.66°E M: 6.4 Depth: 29 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD XZ IP 0113 47.42  
 BEHE SZ EP 0113 46.30  
 TRPA SZ EP 0113 43.09  
 SOP SZ EP 0113 45.06

4. fejezet: Regionális és teleszeizmikus földrengések

---

PSZ SZ EP C 0113 47.03  
MORH SZ IP C 0113 49.87  
LTVH SZ IP C 0113 45.78

**December 02 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0902 06.25  
MORH SN Sn 0902 18.40

**December 02 2012 Hour: 13:32:44.0 Lat: 20.71°S Lon: 174.02°W M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1352 34.81  
PSZ SZ IP C 1352 38.05  
MORH SZ EP C 1352 41.52  
LTVH SZ IP C 1352 37.82

**December 02 2012 Hour: 23:45:14.0 Lat: 45.81°N Lon: 151.49°E M: 5.0 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 2357 04.09  
BUD XZ EP D 2357 07.76  
LTVH SZ EP 2357 04.51  
MORH SZ EP C 2357 14.69  
PSZ SZ EP C 2357 05.03  
SOP SZ EP 2357 13.43  
TRPA SZ EP C 2356 58.95

**December 03 2012 Hour: 04:36:00.0 Lat: 46.23°N Lon: 14.77°E M: 3.9 Depth: 19 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 0437 02.12  
SOP SZ EPn 0436 35.05  
SOP SN Sn 0436 59.04  
BEHE SZ EPn 0436 26.63  
PSZ SN Sn 0437 44.41  
MORH SN Sn 0437 14.21  
BUD XZ EPn 0436 54.42  
BUD XZ EPg 0437 01.85  
MORH SZ EPn 0436 41.66  
MORH SZ EPg 0436 52.53  
LTVH SN Sn 0438 33.19  
LTVH SZ EPn 0437 37.26  
BUD XN Sn 0437 27.55  
BUD XN ESg 0437 44.88

**December 03 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn C 0906 42.71  
PSZ SN Sn 0906 54.52  
PSZ SN E 0906 54.52

**December 03 2012 Hour: 18:58:39.0 Lat: 43.41°N Lon: 28.65°E M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPn 1900 13.72  
PSZ SZ EPn 1900 31.42

PSZ SN Sn 1901 57.11  
TRPA SN Sn 1901 21.89

**December 03 2012 Hour: 21:40:15.0 Lat: 39.53°N Lon: 23.52°E M: 4.1 Depth: 27 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2142 06.54  
MORH SE Sn 2143 33.95

**December 04 2012 Hour: 01:42:48.0 Lat: 61.35°N Lon: 150.85°W M: 5.7 Depth: 67 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 0154 02.81  
PSZ SZ EP 0153 57.14  
SOP SZ EP 0153 58.51  
BUD XZ EP 0154 07.78  
MORH SZ EP 0154 08.27  
PSZ SE ES 0203 09.12  
SOP SE ES 0203 07.80  
MORH SN ES 0203 25.00  
BUD XE ES C 0203 13.75

**December 04 2012 Hour: 03:54:49.0 Lat: 19.74°S Lon: 177.77°W M: 5.3 Depth: 543 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ IP 0413 35.15  
SOP SZ IP D 0413 36.79  
PSZ SZ IP 0413 33.27  
MORH SZ IP D 0413 37.48  
LTVH SZ IP 0413 32.93

**December 05 2012 Hour: 01:18:19.0 Lat: 42.91°N Lon: 13.66°E M: 4.0 Depth: 27 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0119 27.07  
BEHE SZ EPg 0119 37.97  
BUD XZ EPn 0119 49.61  
PSZ SZ EPn 0120 11.62  
PSZ SZ IPn 0119 57.83  
SOP SZ EPn 0119 49.54  
SOP SZ IPn 0119 36.59  
PSZ SN Sn 0121 14.32  
SOP SN Sn 0120 38.72  
BEHE SN Sn 0120 14.26  
BEHE SN ESg 0120 36.76  
BUD XN Sn 0121 19.80  
BUD XN ESg 0121 29.39

**December 05 2012 Hour: 09:36:53.0 Lat: 44.15°N Lon: 15.72°E M: 3.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0937 33.77  
MORH SZ EPn 0937 39.46  
MORH SN Sn 0938 17.51  
SOP SN Sn 0938 33.54  
BEHE SN Sn 0938 05.11  
BEHE SN ESg 0938 12.88  
SOP SZ EPn 0937 49.10

**December 05 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SN Sn 1534 22.42  
MORH SZ EPn 1534 07.51

**December 05 2012 Hour: 23:08:35.0 Lat: 20.69°S Lon: 178.94°W M: 5.2 Depth: 590 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 2327 20.64  
BUD XZ EP 2327 16.97  
LTVH SZ EP D 2327 14.89  
MORH SZ EP D 2327 19.39  
PSZ SZ EP D 2327 15.31  
SOP SZ EP D 2327 18.84

**December 06 2012 Hour: 17:48:15.0 Lat: 36.94°N Lon: 23.11°E M: 4.5 Depth: 13 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1750 37.10  
MORH SE Sn 1752 29.32

**December 07 2012 Hour: 08:18:23.0 Lat: 37.92°N Lon: 144.02°E M: 7.3 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD XZ IP C 0830 40.68  
LTVH SZ IP C 0830 35.43  
MORH SZ IP 0830 46.59  
SOP SZ IP 0830 46.37  
BEHE SZ IP C 0830 48.36  
PSZ SZ IP C 0830 37.62  
PSZ SZ IS 0840 45.20  
BUD XE IS 0840 53.47  
SOP SN EPP 0833 57.91  
SOP SN IS 0841 05.87  
SOP SN ESS 0846 32.36  
MORH SN EPP 0834 03.26  
MORH SN ESS 0846 22.03  
LTVH SN IS 0840 43.14  
LTVH SN ESS 0846 15.83  
BUD XN EPP 0833 50.27  
BUD XN ESS 0846 05.50  
BEHE SE IS 0841 12.07  
BEHE SE ESS 0846 19.96  
PSZ SN ESS 0846 11.69  
PSZ SN EPP 0833 44.15  
BEHE SN EPP 0834 02.02

**December 07 2012 Hour: 08:31:14.0 Lat: 37.95°N Lon: 143.75°E M: 6.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 0857 06.16  
PSZ SZ EP 0843 26.47  
SOP SZ EP 0843 35.03  
MORH SZ EP 0843 35.03  
BUD XZ EP 0843 34.80  
BEHE SZ EP 0843 40.66

**December 07 2012 Hour: 12:48:51.0 Lat: 37.50°N Lon: 143.70°E M: 4.8 Depth: 39 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1301 00.48  
 MORH SZ EP 1300 57.35

**December 07 2012 Hour: 14:08:41.0 Lat: 38.80°N Lon: 88.18°E M: 5.3 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ IP C 1417 39.68  
 PSZ SZ IP C 1417 29.97  
 SOP SZ IP 1417 46.98  
 BEHE SZ IP 1417 48.24

**December 07 2012 Hour: 16:01:50.0 Lat: 37.72°N Lon: 143.85°E M: 5.1 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1614 17.49

**December 07 2012 Hour: 18:19:09.0 Lat: 38.65°S Lon: 175.94°E M: 6.3 Depth: 189 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SE IP D 1839 26.70  
 MORH SN ESS 1903 37.43  
 PSZ SN ESS 1903 21.42  
 PSZ SZ EPP 1843 13.53  
 PSZ SZ IS 1857 29.28  
 MORH SZ EPP 1843 20.51  
 MORH SZ IP C 1838 42.03  
 MORH SZ IS 1857 43.00

**December 07 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2150 29.82  
 MORH SN Sn 2150 43.32

**December 07 2012 Hour: 22:59:57.0 Lat: 37.77°N Lon: 143.78°E M: 5.6 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ IP D 2312 23.11  
 PSZ SZ IP D 2312 14.22  
 MORH SZ IP D 2312 22.62  
 LTVH SZ IP D 2312 11.38  
 BUD XZ IP D 2312 17.56  
 BEHE SZ IP C 2312 27.31

**December 08 2012 Hour: 14:26:55.0 Lat: 25.79°N Lon: 122.34°E M: 5.1 Depth: 289 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP D 1438 27.90  
 SOP SZ EP 1438 28.88  
 MORH SZ EP 1438 36.07  
 LTVH SZ EP 1438 28.77  
 BUD XZ EP 1438 30.40

**December 08 2012 Hour: 22:57:18.0 Lat: 41.31°N Lon: 20.50°E M: 3.7 Depth: 6 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2258 57.49

4. fejezet: Regionális és teleszeizmikus földrengések

---

MORH SZ EPn 2258 36.32  
PSZ SN Sn 2300 13.72  
MORH SN Sn 2259 34.97

**December 09 2012 Hour: 00:21:19.0 Lat: 51.55°N Lon: 16.07°E M: 3.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EPn 0022 20.57  
SOP SN Sn 0023 18.88

**December 09 2012 Hour: 01:23:05.0 Lat: 37.93°N Lon: 22.59°E M: 4.3 Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 0125 13.92  
MORH SN Sn 0125 27.48

**December 09 2012 Hour: 23:50:35.0 Lat: 37.61°N Lon: 143.77°E M: 5.0 Depth: 38 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 2402 57.77  
PSZ SZ EP C 2402 48.54

**December 10 2012 Hour: 09:09:36.0 Lat: 37.90°N Lon: 143.57°E M: 4.9 Depth: 38 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP C 0921 47.79  
MORH SZ EP 0921 55.60  
SOP SZ EP 0921 55.76

**December 10 2012 Hour: 16:53:10.0 Lat: 6.58°S Lon: 129.85°E M: 7.1 Depth: 162 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TIH SZ EP 1707 16.60  
TIH SZ EPP 1711 46.36  
SOP SZ EP 1707 15.67  
SOP SZ EPP 1711 52.10  
PSZ SZ EP 1707 13.83  
PSZ SZ EPP 1711 40.61  
MORH SZ EP 1707 18.45  
MORH SZ EPP 1712 01.67  
BUD XZ EP 1707 11.98  
BUD XZ EPP 1711 54.01  
BEHE SZ EP 1707 22.14  
BEHE SZ EPP 1711 54.01  
LTVH SZ EP 1707 10.13  
LTVH SZ EPP 1711 29.13

**December 11 2012 Hour: 05:12:18.0 Lat: 68.14°N Lon: 136.46°W M: 5.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

SOP SZ EP 0522 45.73  
MORH SZ EP 0522 58.24

**December 11 2012 Hour: 06:18:27.0 Lat: 0.61°N Lon: 126.29°E M: 4.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP 0632 09.69

**December 13 2012 Hour: 00:53:31.0 Lat: 31.03°S Lon: 178.33°W M: 5.5 Depth: 59 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 0113 21.28

**December 13 2012 Hour: 01:55:35.0 Lat: 43.76°N Lon: 17.76°E M: 3.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 0156 42.63  
 BUD XZ EPn 0156 34.58  
 SOP SZ EPn 0156 37.02  
 SOP SN Sn 0157 24.03  
 PSZ SN Sn 0157 33.63  
 MORH SN Sn 0156 49.11  
 BUD XN Sn 0157 21.71  
 TIH SN Sn 0157 04.17  
 TIH SN ESg 0157 18.71  
 MORH SE ESg 0156 57.81  
 BEHE SN Sn 0156 55.23  
 BEHE SN ESg 0157 07.95  
 BEHE SZ EPn 0156 20.97  
 MORH SZ EPn 0156 16.34  
 TIH SZ EPn 0156 25.17

**December 13 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPg C 0914 43.33  
 PSZ SN ESg 0914 45.66

**December 13 2012 Hour: 21:39:37.0 Lat: 41.13°N Lon: 19.73°E M: 4.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BEHE SZ EPn 2140 57.60  
 BUD XZ EPn 2141 01.23  
 MORH SZ EPn 2140 46.70  
 BUD XN Sn 2142 20.97  
 MORH SN Sn 2141 56.17  
 PSZ SN Sn 2142 30.37  
 TIH SN Sn 2142 15.23  
 TRPA SN Sn 2142 35.85  
 BEHE SN Sn 2142 04.26  
 SOP SZ EPn 2141 15.97  
 PSZ SZ EPn 2141 08.16  
 TRPA SZ EPn 2141 15.20  
 TIH SZ EPn 2140 56.87  
 LTVH SZ EPn 2141 03.51

**December 13 2012 Hour: 23:03:38.0 Lat: 80.77°N Lon: 121.49°E M: 5.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TIH SZ EP 2312 03.09  
 PSZ SZ EP 2311 53.00  
 MORH SZ EP 2312 07.67  
 BUD XZ EP 2311 57.77  
 BEHE SZ EP D 2312 07.67  
 TRPA SN ES 2318 23.26  
 TIH SN ES 2318 52.15  
 SOP SZ EP 2311 59.24  
 SOP SZ ES 2318 40.44



PSZ SN ES 2318 34.97  
 MORH SN ES 2318 57.62  
 LTVH SN ES 2318 41.22  
 BUD XN ES 2318 38.88  
 TRPA SZ EP D 2311 48.25  
 LTVH SZ EP D 2311 55.54

**December 14 2012 Hour: 01:22:06.0 Lat: 37.50°N Lon: 143.53°E M: 4.9 Depth: 42 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0134 10.58  
 SOP SZ EP 0134 11.44

**December 14 2012 Hour: 10:36:01.0 Lat: 31.19°N Lon: 119.60°W M: 6.4 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1049 14.11  
 BEHE SZ EPP 1052 49.82  
 PSZ SZ EP 1049 16.48  
 PSZ SZ EPP 1052 56.14  
 TRPA SN IS 1100 29.20  
 TIH SE IS 1100 26.09  
 SOP SE IS 1100 11.33  
 PSZ SE IS 1100 22.20  
 MORH SE IS 1100 30.75  
 BUD XN IS 1100 26.86  
 SOP SZ EP D 1049 10.56  
 SOP SZ EPP 1052 50.61  
 TRPA SZ EP D 1049 19.25  
 TRPA SZ EPP 1053 01.68  
 TIH SZ EP D 1049 16.00  
 TIH SZ EPP 1052 56.14  
 MORH SZ EP D 1049 18.88  
 MORH SZ EPP 1053 04.84  
 LTVH SZ EP 1049 21.27  
 LTVH SZ EPP 1053 03.26  
 BUD XZ EP 1049 16.25  
 BUD XZ EPP 1052 59.31

**December 14 2012 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1226 43.86  
 PSZ SE Sn 1226 49.28

**December 14 2012 Hour: 16:52:38.0 Lat: 15.30°S Lon: 178.04°W M: 5.8 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1712 17.20  
 BUD XZ EP 1712 16.04  
 LTVH SZ EP 1712 09.25  
 MORH SZ EP 1712 19.52  
 PSZ SZ EP 1712 16.04  
 SOP SZ EP 1712 16.87  
 TIH SZ EP 1711 56.00  
 TRPA SZ EP 1711 56.99

**December 14 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2208 11.79  
 PSZ SN Sn 2208 15.77

**December 15 2012 Hour: 04:49:29.0 Lat: 52.27°N Lon: 174.06°E M: 6.0 Depth: 24 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ IP C 0501 35.10  
 BUD XZ IP C 0501 28.40  
 LTVH SZ IP C 0501 26.49  
 PSZ SZ IP C 0501 25.06  
 SOP SZ IP C 0501 29.84  
 TRPA SZ IP C 0501 20.75  
 TIH SZ IP C 0501 32.71  
 TRPA SN ES 0511 07.09  
 TIH SN ES 0511 16.45  
 SOP SN ES 0511 25.22  
 MORH SZ IP C 0501 34.62  
 MORH SZ ES 0511 17.03  
 PSZ SN ES 0511 40.42

**December 15 2012 Hour: 19:30:03.0 Lat: 4.67°S Lon: 152.99°E M: 6.1 Depth: 52 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 1948 56.44  
 BUD XZ EP D 1948 52.15  
 LTVH SZ EP 1948 50.17  
 MORH SZ EP 1948 54.47  
 PSZ SZ EP 1948 51.10  
 SOP SZ EP 1948 54.59  
 TIH SZ EP D 1948 54.12  
 TRPA SZ EP D 1948 47.50

**December 15 2012 Hour: 21:34:57.0 Lat: 51.53°N Lon: 16.20°E M: 3.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SN Sn 2136 44.18  
 TIH SN Sn 2137 06.17  
 PSZ SN Sn 2136 53.07  
 MORH SZ EPn 2136 20.32  
 PSZ SZ EPn 2135 58.57  
 SOP SZ EPn 2135 56.93  
 TIH SZ EPn 2136 09.80

**December 15 2012 Hour: 23:02:32.0 Lat: 51.49°N Lon: 16.09°E M: 3.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2303 47.95  
 LTVH SZ EPn 2303 55.31  
 MORH SZ EPn 2303 56.78  
 PSZ SZ EPn 2303 38.49  
 TIH SZ EPn 2303 44.38  
 TRPA SZ EPn 2303 49.84  
 SOP SZ EPn 2303 37.46  
 TIH SN Sn 2304 39.91  
 BEHE SN Sn 2304 46.65

4. fejezet: Regionális és teleszeizmikus földrengések

---

PSZ SN Sn 2304 24.99  
SOP SN Sn 2304 18.41  
MORH SN Sn 2305 03.18  
LTVH SN Sn 2304 58.52

**December 17 2012 Hour: 00:28:56.0 Lat: 49.79°N Lon: 155.91°E M: 5.6 Depth: 44 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0040 47.33  
PSZ SZ EP 0040 36.93

**December 17 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1147 20.89  
BEHE SN Sn 1147 42.53  
MORH SN Sn 1147 35.97  
BEHE SZ EPn C 1147 25.43

**December 17 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1156 01.96  
BEHE SZ EPn 1156 00.02  
BEHE SN Sn 1156 14.88  
MORH SN Sn C 1156 18.05

**December 18 2012 Hour: 03:33:34.0 Lat: 50.10°N Lon: 19.14°E M: 3.0 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0334 33.59  
MORH SN Sn 0335 18.01  
PSZ SZ EPn 0334 12.42  
PSZ SZ EPg 0334 17.76  
PSZ SN Sn 0334 41.59  
PSZ SE EPg 0334 47.82

**December 18 2012 Hour: 18:36:21.0 Lat: 36.71°N Lon: 142.03°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 1848 37.32  
MORH SZ EP 1849 07.38

**December 18 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2332 27.52  
TIH SZ EPn 2332 41.40  
MORH SN Sn 2332 39.42  
TIH SN Sn 2332 59.48

**December 18 2012 Hour: 23:56:55.0 Lat: 17.83°S Lon: 168.46°E M: 4.9 Depth: 122 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0016 15.41  
SOP SZ EP 0016 18.33

**December 20 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0249 12.29

PSZ SZ EPn 0248 56.18  
 PSZ SN Sn 0249 28.41

**December 20 2012 Hour: 17:32:58.0 Lat: 42.33°N Lon: 20.03°E M: 3.1 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1733 58.22  
 TIH SZ EPn 1734 11.54  
 TIH SN Sn 1735 06.52  
 MORH SN Sn 1734 49.27

**December 20 2012 Hour: 21:47:30.0 Lat: 0.61°N Lon: 126.30°E M: 5.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP D 2201 16.94

**December 21 2012 Hour: 01:45:18.0 Lat: 20.77°S Lon: 174.02°W M: 5.0 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ EP 0205 07.01  
 LTVH SZ IP D 0205 07.77  
 MORH SZ IP 0205 11.61  
 PSZ SZ IP 0205 07.77  
 SOP SZ IP 0205 10.42  
 TIH SZ IP D 0205 10.59  
 TRPA SZ IP D 0205 05.04

**December 21 2012 Hour: 04:49:05.0 Lat: 52.15°N Lon: 158.09°E M: 4.9 Depth: 129 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ IP C 0500 21.96  
 MORH SZ EP C 0500 37.55

**December 21 2012 Hour: 08:07:18.0 Lat: 38.68°N Lon: 141.73°E M: 5.1 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EP C 0819 21.71  
 MORH SZ EP C 0819 30.40  
 SOP SZ EP C 0819 30.75  
 TIH SZ EP 0819 34.28

**December 21 2012 Hour: 16:10:07.0 Lat: 41.68°N Lon: 20.09°E M: 3.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn D 1611 18.35  
 PSZ SZ EPn 1611 41.10  
 MORH SN Sn 1612 12.12  
 PSZ SN Sn 1612 52.55

**December 21 2012 Hour: 22:28:09.0 Lat: 14.36°S Lon: 167.29°E M: 6.7 Depth: 208 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

BUD XZ IP C 2247 09.97  
 LTVH SZ IP C 2247 07.39  
 MORH SZ IP 2247 11.69  
 PSZ SZ IP C 2247 08.03  
 SOP SZ IP 2247 12.12  
 TIH SZ IP 2247 10.83  
 TRPA SZ IP C 2247 05.24  
 TRPA SN EPP 2249 46.05

SOP SE EPP 2250 03.26  
 PSZ SN EPP 2249 56.38  
 MORH SN EPP 2250 02.40  
 LTVH SN EPP 2250 39.40  
 BUD XN EPP 2250 06.70

**December 22 2012 Hour: 03:50:03.0 Lat: 5.26°N Lon: 94.17°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0401 48.96  
 TRPA SZ EP C 0401 39.18  
 SOP SZ EP 0402 01.22  
 MORH SZ EP C 0401 52.13

**December 22 2012 Hour: 07:53:00.0 Lat: 20.28°S Lon: 169.60°E M: 4.9 Depth: 128 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 0812 21.29  
 LTVH SZ EP 0812 24.15  
 BUD XZ EP 0812 21.63  
 PSZ SZ EP 0812 25.46  
 SOP SZ EP D 0812 21.90  
 TRPA SZ EP 0812 34.49  
 TIH SZ EP 0812 21.03

**December 22 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1232 25.27  
 MORH SN Sn 1232 41.60

**December 22 2012 Hour: 16:41:45.0 Lat: 22.47°N Lon: 94.81°E M: 5.5 Depth: 133 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 1652 08.85  
 PSZ SZ EP 1652 02.59  
 TRPA SZ EP 1652 20.06

**December 22 2012 Hour: 18:07:19.0 Lat: 19.13°N Lon: 121.23°E M: 5.1 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1819 46.38

**December 23 2012 Hour: 00:29:57.0 Lat: 13.08°S Lon: 167.15°E M: 5.2 Depth: 230 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP 0048 50.63  
 MORH SZ EP D 0048 54.27  
 PSZ SZ EP 0048 50.82  
 SOP SZ EP 0048 56.18

**December 23 2012 Hour: 06:38:57.0 Lat: 38.53°N Lon: 44.87°E M: 4.9 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0643 18.89  
 BEHE SZ EP 0643 52.88  
 BUD XZ EP 0643 40.51  
 LTVH SZ EP 0643 22.93  
 MORH SZ EP 0643 39.60  
 PSZ SZ EP 0643 33.22

SOP SZ EP 0643 59.39  
 TIH SZ EP 0643 46.50

**December 23 2012 Hour: 13:31:40.0 Lat: 42.58°N Lon: 40.98°E M: 5.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1335 48.54  
 BUD XZ EPn 1335 27.29  
 LTVH SZ EPn 1335 01.13  
 MORH SZ EPn 1335 31.10  
 PSZ SZ EPn 1335 21.29  
 SOP SZ EPn 1335 53.17  
 TIH SZ EPn 1335 40.36  
 TRPA SZ EPn 1334 57.59  
 TIH SN Sn 1338 47.34  
 SOP SN Sn 1339 20.04  
 PSZ SN Sn 1338 31.39  
 MORH SN Sn 1338 35.38  
 BUD XN Sn 1338 31.12  
 LTVH SE Sn 1338 44.41  
 TRPA SE Sn 1337 46.04  
 BEHE SN Sn 1339 09.40

**December 24 2012 Hour: 07:54:08.0 Lat: 55.00°N Lon: 161.95°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0805 31.06  
 TIH SZ EP C 0805 44.99  
 SOP SZ EP 0805 35.90  
 PSZ SZ EP 0805 37.41  
 MORH SZ EP 0805 47.08  
 BUD XZ EP 0805 39.88  
 BEHE SZ EP 0805 48.12

**December 24 2012 Hour: 14:35:32.0 Lat: 3.84°S Lon: 28.27°E M: 4.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1444 41.86  
 MORH SZ EP 1444 34.84

**December 24 2012 Hour: 23:24:56.0 Lat: 55.68°S Lon: 147.03°E M: 5.1 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 2344 32.43  
 PSZ SZ EP 2344 33.39  
 TRPA SZ EP 2344 28.04  
 BUD XZ EP 2344 31.37  
 BEHE SZ EP 2344 29.97

**December 25 2012 Hour: 07:34:43.0 Lat: 1.19°N Lon: 125.59°E M: 5.2 Depth: 69 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0748 23.98  
 PSZ SZ EP 0748 18.78  
 TRPA SZ EP 0748 10.71

**December 25 2012 Hour: 17:36:29.0 Lat: 28.47°N Lon: 66.50°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP 1743 57.11  
 SOP SZ EP 1744 04.76  
 PSZ SZ EP 1744 10.17  
 MORH SZ EP C 1744 14.79

**December 25 2012 Hour: 22:44:32.0 Lat: 42.54°N Lon: 40.94°E M: 5.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SN Sn 2251 40.19  
 TRPA SN Sn 2250 32.51  
 PSZ SN Sn 2251 25.08  
 MORH SN Sn 2251 37.77  
 LTVH SN Sn 2251 35.96  
 BUD XN Sn 2251 25.69  
 BEHE SN Sn 2251 58.32  
 TRPA SZ EPn 2247 49.76  
 TIH SZ EPn 2248 33.99  
 SOP SZ EPn 2248 43.42  
 PSZ SZ EP 2248 14.98  
 PSZ SZ EPn 2248 14.97  
 LTVH SZ EPn 2247 57.04  
 BUD XZ EPn 2248 20.50  
 BEHE SZ EPn 2248 39.51  
 MORH SZ EPn 2248 27.79

**December 26 2012 Hour: 02:58:24.0 Lat: 20.74°S Lon: 178.59°W M: 5.1 Depth: 601 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0317 02.79  
 TIH SZ EP D 0317 09.39  
 SOP SZ EP D 0317 09.35  
 PSZ SZ EP 0317 05.86  
 LTVH SZ EP D 0317 05.35  
 MORH SZ EP D 0317 10.00  
 BUD XZ EP 0317 07.81  
 BEHE SZ EP 0317 08.51

**December 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1524 35.87  
 MORH SN Sn 1524 49.60

**December 26 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1530 21.47  
 MORH SN Sn 1530 33.22

**December 26 2012 Hour: 19:08:04.0 Lat: 0.95°N Lon: 98.71°E M: 4.9 Depth: 77 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1920 17.62

**December 26 2012 Hour: 20:24:27.0 Lat: 10.40°S Lon: 13.19°W M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EP 2034 57.57  
 PSZ SZ EP D 2035 08.18

MORH SZ EP 2034 55.29  
 LTVH SZ EP 2035 10.60  
 BUD XZ EP 2035 05.16  
 BEHE SZ EP 2034 56.18  
 TRPA SZ EP 2035 01.61

**December 27 2012 Hour: 05:36:11.0 Lat: 12.96°N Lon: 57.96°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0547 31.53  
 PSZ SZ EP 0547 28.22  
 BUD XZ EP 0547 29.20  
 BEHE SZ EP 0547 30.61

**December 27 2012 Hour: 09:42:02.0 Lat: 18.24°S Lon: 173.63°W M: 5.3 Depth: 41 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1001 42.64  
 TIH SZ EP 1001 48.75  
 SOP SZ EP C 1001 48.35  
 PSZ SZ EP C 1001 45.70  
 MORH SZ EP C 1001 49.88  
 LTVH SZ EP 1001 45.47  
 BUD XZ EP 1001 46.94  
 BEHE SZ EP 1001 50.39

**December 27 2012 Hour: 09:50:05.0 Lat: 20.88°S Lon: 178.87°W M: 4.6 Depth: 400 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 1009 08.18  
 PSZ SZ EP 1009 04.50  
 MORH SZ EP 1009 07.91

**December 28 2012 Hour: 05:50:37.0 Lat: 40.77°N Lon: 21.36°E M: 3.6 Depth: 6 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0552 04.68  
 PSZ SZ EPn 0552 25.72  
 TIH SZ EPn 0552 15.66  
 TIH SN Sn 0553 32.98

**December 28 2012 Hour: 13:42:35.0 Lat: 55.64°N Lon: 164.82°E M: 5.5 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1353 53.59

**December 29 2012 Hour: 07:19:33.0 Lat: 37.19°N Lon: 141.00°E M: 5.1 Depth: 43 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP D 0731 40.37  
 MORH SZ EP 0731 40.24  
 TRPA SZ EP C 0731 32.14

**December 29 2012 Hour: 14:59:37.0 Lat: 38.79°N Lon: 142.12°E M: 5.4 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EP 1511 49.35  
 BUD XZ EP 1511 44.50  
 PSZ SZ EP C 1511 40.50  
 MORH SZ EP 1511 48.84



SOP SZ EP C 1511 49.46  
TRPA SZ EP C 1511 32.92

**December 29 2012 Hour: 17:50:52.0 Lat: 35.72°N Lon: 70.63°E M: 5.6 Depth: 117 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP C 1758 16.11  
PSZ SZ EP 1758 08.98  
SOP SZ EP C 1758 28.00  
TIH SZ EP C 1758 20.57  
TRPA SZ EP 1757 53.53  
LTVH SZ EP C 1757 56.79  
BUD XZ EP C 1758 13.44  
BEHE SZ EP C 1758 25.62  
BUD XN ES 1804 02.72  
TRPA SN ES 1803 32.02

**December 29 2012 Hour: 23:05:24.0 Lat: 37.04°N Lon: 141.19°E M: 5.2 Depth: 5.2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 2317 25.20  
SOP SZ EP 2317 31.10  
PSZ SZ EP 2317 28.33  
MORH SZ EP 2317 36.16

**December 30 2012 Hour: 13:08:50.0 Lat: 43.29°N Lon: 21.02°E M: 3.3 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 1309 42.14  
BEHE SZ EPn 1309 58.49  
PSZ SZ EPn 1310 02.55  
TRPA SZ EPn 1310 05.54  
TIH SZ EPn 1309 55.07  
TIH SN Sn 1310 46.47  
TRPA SN Sn D 1311 04.60  
PSZ SN Sn 1310 56.00  
BEHE SN Sn 1310 50.02  
BEHE SN ESg 1311 13.57  
MORH SN Sn 1310 22.73  
MORH SN ESg 1310 40.49

**December 31 2012 Hour: 01:45:00.0 Lat: 35.29°N Lon: 36.34°W M: 4.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EP 0152 53.76

**December 31 2012 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

MORH SZ EPn 2238 58.26  
MORH SE Sn 2239 12.68

## 5. fejezet

# Hivatkozások

Havskov, J. and Ottemoller, L., 1999. SeisAn Earthquake analysis software, *Seis. Res. Lett.*, 70(5), 532–534.

Lee, W.H.K. and Lahr, J.C., 1975. HYPO71 (Revised): A computer program for determining hypocenter, magnitude, and first motion pattern of local earthquakes. U. S. Geological Survey Open-file report 75-311.

Mónus, P., 1995. Travel time curves and crustal velocity model for the Pannonian basin. MTA GGKI Technical report.

Reasenber, P.A. and Oppenheimer, D., 1985. FPFIT, FPLOT and FPPAGE: Fortran computer programs for calculating and displaying earthquake fault-plane solutions, USGS Open File Report No. 85-739.

Stammler, K., 1993. Seismic-Handler - Programmable multichannel data handler for interactive and automatic processing of seismological analyses. *Comput. Geosci.*, 19(2), 135–140.

Zsíros, T., 1994. Macroseismic observations in Hungary (1989-1993), Seismological Observatory, Geodetic and Geophysical Research Institute, Budapest, pp. 44.



