

Kövesligethy Radó Seismological Observatory

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# Hungarian National Seismological Bulletin

## 2013

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# Foreword

During the year 2013 the Hungarian National Seismological Network has been extended by three permanent broadband stations. The new stations have been deployed in the Great Hungarian Plain (AMBH and BSZH) and in the Transdanubia (MPLH).

In 2013, 169 local events have been detected by the Network and 24 Hungarian earthquakes were felt by the public.

The focal parameters and phase readings of the local earthquakes are listed in Chapter 1 of this publication. The origin of the events (earthquake or explosion) were determined based on the characteristics of the recordings and the data from the quarry managements. In Chapter 2 the focal mechanisms of earthquakes with  $M>4$  are shown. In Chapter 3 the macroseismic data of the Hungarian earthquakes reported by the public are displayed. In Chapter 4 the phase and polarity data of the regional and teleseismic events, earthquakes of unknown origin and known explosions recorded by the Hungarian National Seismological Network are reported.



# 1. Local earthquakes

## Data sources

At the end of the year 2013 the Hungarian National Seismological Network (HNSN) operated by the MTA CSFK GGI Kövesligethy Radó Seismological Observatory consisted of 11 broadband stations (AMBH, BEHE, BSZH, BUD, LTVH, MORH, MPLH, PSZ, SOP, TIH, TRPA) and one short period station (CSKK).

During the year three new permanent broadband stations have been integrated into the HNSN. Two of them, AMBH and BSZH have been deployed in the Great Hungarian Plain, in the settlements of Ambrózfalva and Besenyszög, respectively. The third one (MPLH) has been installed in the westernmost part of the Transdanubian Central Range, near to Magyarpolány. After the Tenk earthquake (2013.04.22., M=4.8) a temporary station was deployed in the area of Tenk village which operated for more than 4 months.

Table 1.1 contains the station parameters of the Hungarian National Seismological Network. The position of the stations are shown in Fig. 1.1.

The data coming from these stations have been collected and stored in the Observatory using the SeisComp3 software package ([www.seiscomp3.org](http://www.seiscomp3.org)).

The description of the stations whose data were used in the computations but are situated in the neighbouring countries can be found in the publications of the respective operating institutions (Zentralanstalt für Meteorologie und Geodynamik, Austria; Geofyzikální ústav Akademie věd České republiky, Czech Republic; Urad za seismologijo in geologijo - Agencija Republike Slovenije za okolje, Slovenia; Geofyzikálny ústav - Slovenská akadémia vied, Slovakia; Institutul National pentru Fizica Pamantului, Romania).

## Earthquake location

In the case of the Hungarian seismological stations, the wave phases have been picked at the Observatory, while for the foreign stations the monthly phase data reports of the partner organizations have been used.

In the year 2013, 169 earthquakes and explosions have been located by the Observatory in the area confined by the latitudes 45.5-49.0°N and longitudes 16.0-23.0°E (Table 1.2 and Fig. 1.2).

The phase picking and magnitude determination was carried out using the Seismic Handler software package (Stammler, 1993). The hypocenter location was performed by the HYPO71PC computer program (Lee and Lahr, 1975). The location is based on the three-layered velocity model of Mónus (1995):

Depth range (km)	P-wave velocity (km/s)	S-wave velocity (km/s)
0-20	5.60	3.15
20-31	6.57	3.69
31-	8.02	4.51

The focal parameters and the phase readings of the located earthquakes are given in a form which is based on the Seisan (Havskov and Ottemoller, 1999) bulletin format. The abbreviations used in the listings are:

Hour:      Origin time in UTC (hr. min. and sec.)  
Lat:        Latitude of epicenter

Lon:	Longitude of epicenter
Depth:	Focal depth in kilometer
Magnitude:	The local magnitude value is given
Rms:	Root mean square value of travel time residuals
Gap:	Largest azimuthal separation in degrees between stations.
Erh:	Standard error of the epicenter. If Erh=-, it means that Erh could not be computed because of insufficient data.
Erz:	Standard error of the focal depth. If Erz=-, it means that Erz could not be computed because the focal depth is fixed or because of insufficient data.
STAT:	Station code
CO:	Component, S: short period, L: long period, B: broadband,
DIST:	Epicenter distance (km)
AZI:	Azimuth from source to station
PHASE:	Phase; The first letter characterizes onset E(mergent) or I(mpulsive)
P:	Polarity (C for compression, D for dilatation )
HR:	Hour
MN:	Minute
SECON:	Seconds
TRES:	Residual (seconds)
CODA:	Signal duration in seconds
AMPL:	Ground Amplitude (0.5*(peak to peak)), (nm) at period PERI
PERI:	Period where amplitude is measured
BAZ:	Back azimuth (station to event)
ARES:	Back azimuth residual
VELO:	Apparent phase velocity (km/sec)
WT:	Weight of phase in the location

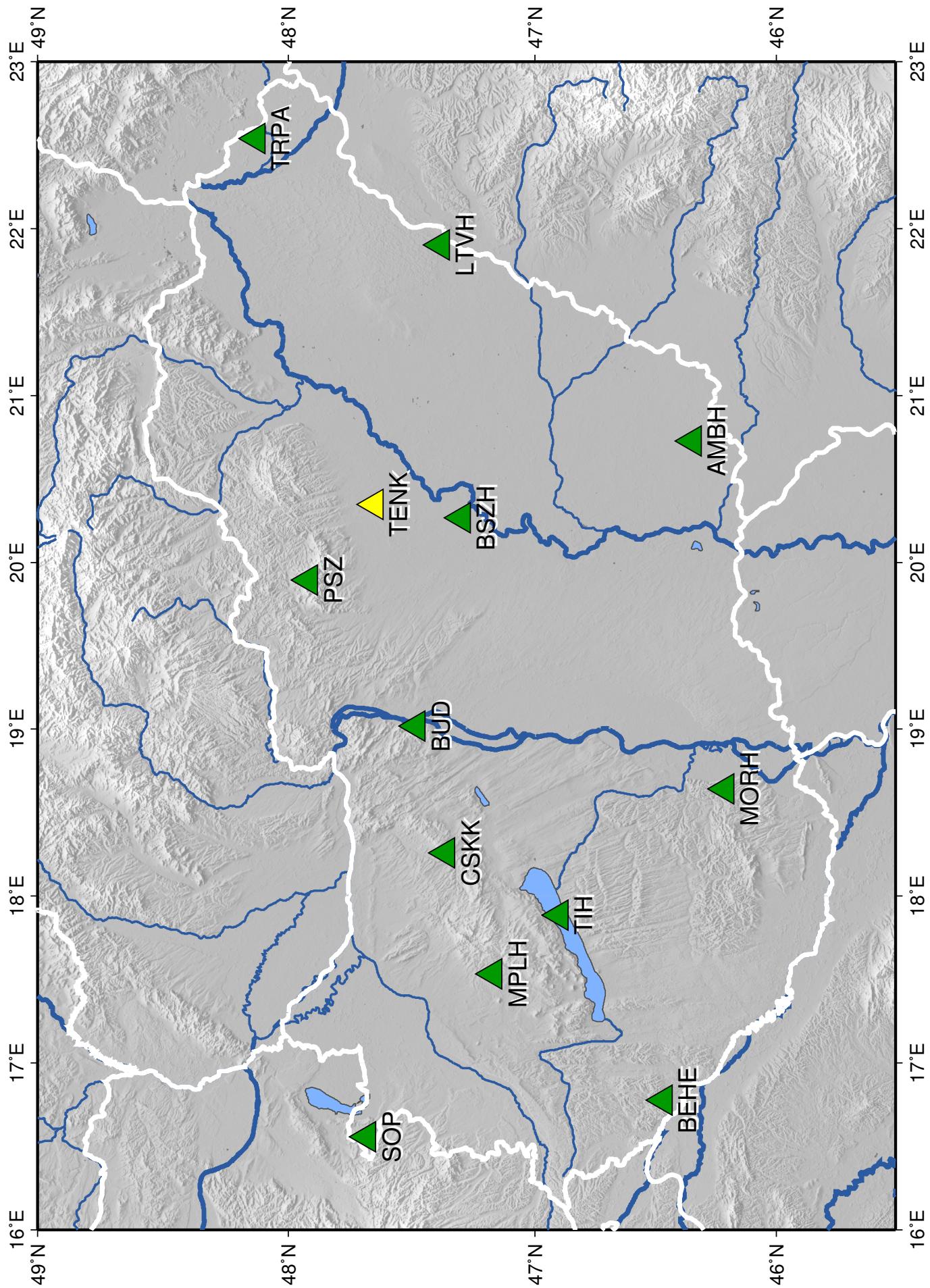


Figure 1.1: Permanent (green) and temporary (yellow) stations of the Hungarian National Seismological Network in 2013

Table 1.1: Parameters of the stations of the Hungarian National Seismological Network in 2013

Station	Lat (°N)	Lon (°E)	Height (m)	Sensor <sup>a</sup>	Acquisition <sup>b</sup>	Org. <sup>c</sup>	Period <sup>d</sup>
AMBH Ambrózfalva	46.3501	20.7258	88	CMG-3T	CMG-DM24S3	GGI	02.12-12.31
BEHE Becsehely	46.4706	16.7757	289	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
BSZH Besenyszög	47.2996	20.2670	82	STS-2	PS-6-24 SeisComp PC	GGI	09.11-12.31
BUD Budapest	47.4831	19.0201	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	01.01-12.31
MORH Mórág	46.2149	18.6435	135	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
MPLH Magyarpolány	47.1712	17.5348	337	STS-2	PS-6-24 SeisComp PC	GGI	10.08-12.31
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
TENK Tenk	47.6542	20.3483	100	CMG-3T STS-2.5	CMG-DM24S3 PS-6-24 SeisComp PC	GGI GGI	04.24-06.13 06.13-09.11
TIH Tihany	46.9001	17.8878	189	CMG-3T	CMG-DM24S3	GGI MFGI	01.01-12.31
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 broadband seismometer

SS-1 – Kinemetrics SS-1 short period seismometer

STS-2 and STS-2.5 – Streckeisen broadband seismometers

<sup>b</sup> Data acquisition units (at all stations the recording is digital and continuous):

CMG-DM24S3 – Guralp CMG-DM24S3EAM acquisition system

K2 – Kinemetrics K2 data acquisition system

PS-6-24 – Earth Data 24 bit digitizer

SeisComp – Geofon Seismological Communication Processor

<sup>c</sup> Operating organization:

GEOFON – GEOFON Global Seismic Network, GFZ, Germany

GGI – Geodetic and Geophysical Institute, MTA CSFK, Hungary

MFGI – Hungarian Geological and Geophysical Institute, Hungary

<sup>d</sup> Availability period in 2013

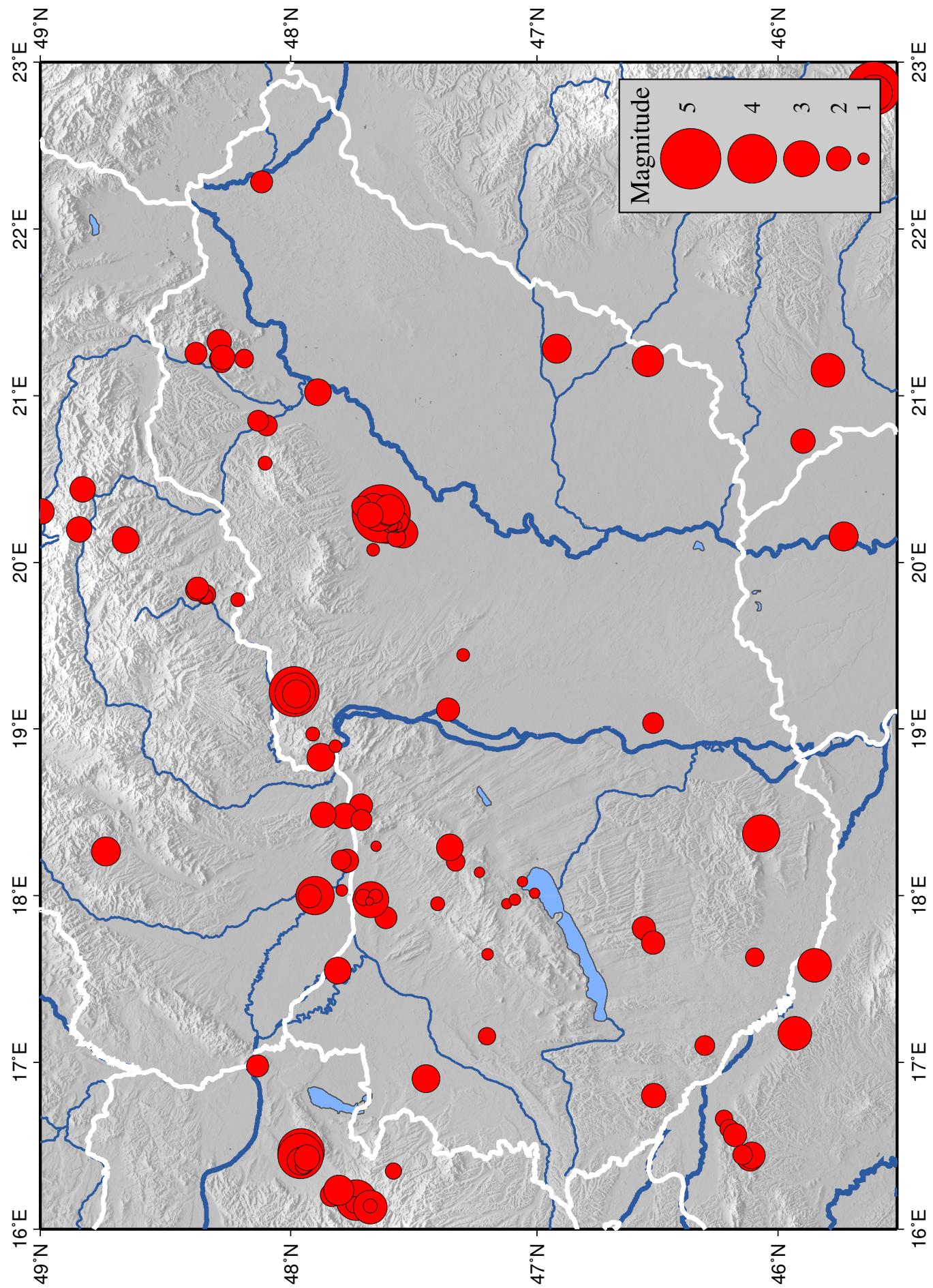


Figure 1.2: The epicenters of the located earthquakes in 2013

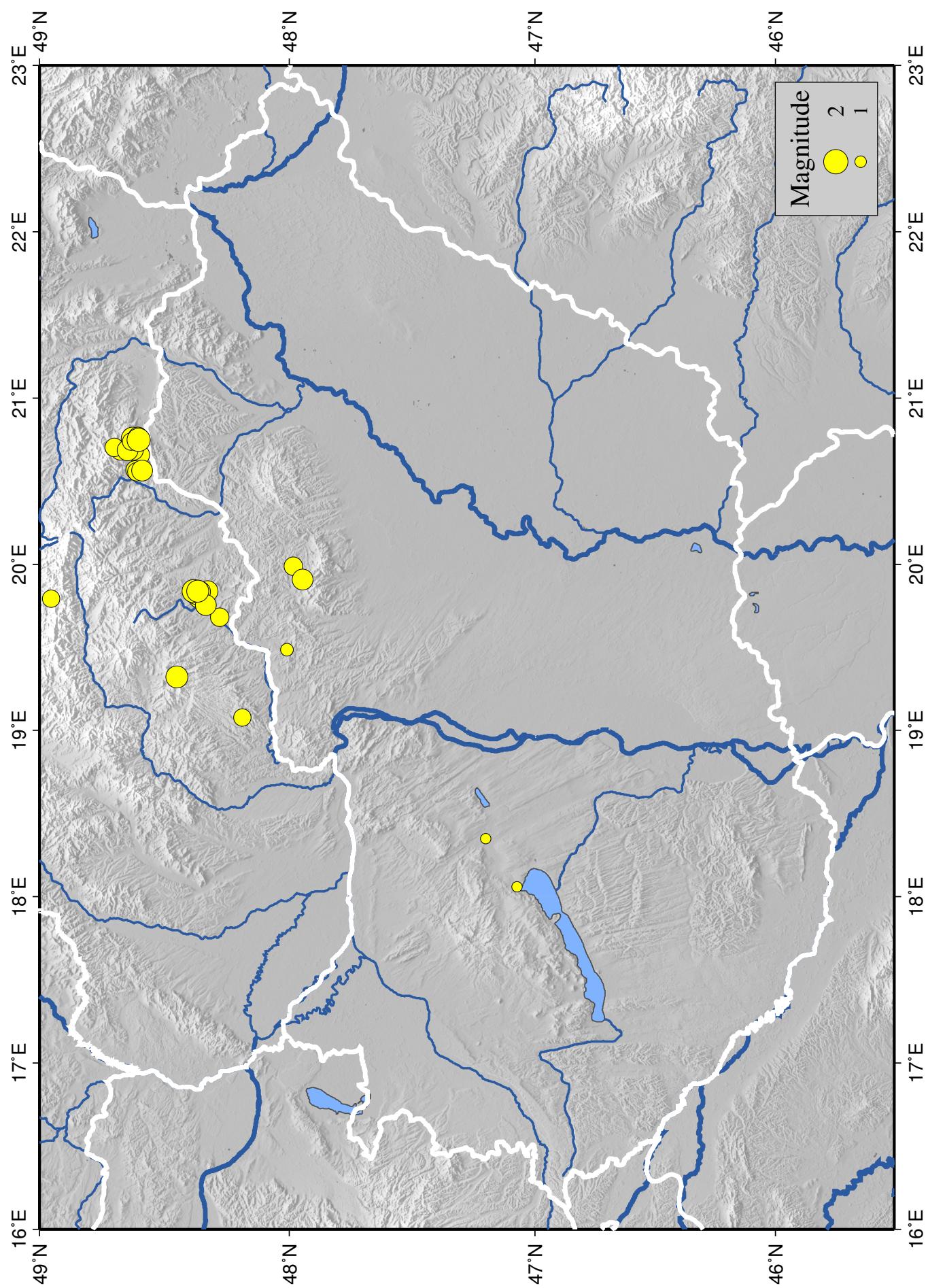


Figure 1.3: The epicenters of the explosions and probable explosions in 2013

Table 1.2: Parameters of events detected by the Hungarian National Seismological Network. In the locality field of the table, the name of the settlement closest to the epicenter is displayed in the case of Hungarian earthquakes, while for the foreign events the name of the country is shown.

	Date	Time	Lat. ( $^{\circ}$ N)	Long. ( $^{\circ}$ E)	Depth (km)	Magnitude	Locality
1.	2013.01.02	11:49:26.0	48.601	20.658	0.0	1.6	Slovakia
2.	2013.01.04	22:58:16.9	46.117	16.428	12.6	2.2	Croatia
3.	2013.01.17	10:50:38.7	47.903	18.000	8.5	3.2	Slovakia
4.	2013.01.17	19:38:44.5	47.923	17.999	10.0	1.9	Slovakia
5.	2013.01.25	07:14:30.2	47.737	16.173	7.4	3.4	Austria
6.	2013.02.01	11:06:13.4	47.718	18.540	10.0	1.9	Bajót
7.	2013.02.09	01:13:11.7	47.301	19.444	10.0	1.1	Csévharsaszt
8.	2013.02.16	17:18:42.2	47.612	20.246	11.0	3.6	Heves
9.	2013.02.17	13:21:47.3	47.547	20.177	6.8	2.5	Jászszentandrás
10.	2013.03.04	10:55:45.9	47.782	18.477	12.6	2.1	Slovakia
11.	2013.03.07	10:57:28.3	48.329	19.837	0.0	1.7	Slovakia
12.	2013.03.08	09:03:46.6	48.364	19.799	0.0	1.7	Slovakia
13.	2013.03.12	12:01:39.6	48.382	21.255	19.7	1.8	Korlát
14.	2013.03.19	15:09:26.6	48.342	19.806	9.0	1.6	Slovakia
15.	2013.03.20	23:48:46.3	48.097	20.820	10.0	1.7	Szirma
16.	2013.03.21	11:17:04.0	48.342	19.795	0.0	1.2	Slovakia
17.	2013.03.23	23:02:14.8	45.724	20.157	10.0	2.4	Serbia
18.	2013.03.26	12:07:16.2	45.792	21.154	7.9	2.8	Romania
19.	2013.03.28	19:04:25.0	45.931	17.176	17.4	2.8	Croatia
20.	2013.04.01	22:04:14.0	46.543	21.208	11.8	2.6	Elek
21.	2013.04.11	10:44:15.2	47.616	17.868	0.0	1.8	Pér
22.	2013.04.15	09:11:00.7	47.812	17.550	12.1	2.2	Ásványráró
23.	2013.04.17	21:33:57.3	46.098	17.630	10.0	1.5	Patosfa
24.	2013.04.22	22:28:46.7	47.634	20.293	10.0	4.8	Heves
25.	2013.04.22	23:01:42.9	47.600	20.273	7.0	2.1	Heves
26.	2013.04.22	23:24:24.3	47.595	20.273	7.1	2.2	Heves
27.	2013.04.24	03:39:36.7	47.612	20.313	1.0	2.5	Heves
28.	2013.04.24	10:05:14.6	48.846	20.198	2.0	2.1	Slovakia
29.	2013.04.24	15:53:58.5	47.667	20.318	10.0	1.9	Erdőtelek
30.	2013.04.24	21:02:37.1	47.595	20.250	5.8	1.3	Heves
31.	2013.04.24	22:39:35.9	47.570	20.237	7.0	1.8	Jászszentandrás
32.	2013.04.24	23:02:17.7	47.667	20.077	10.0	1.1	Nagyfüged
33.	2013.04.25	13:42:30.4	47.651	20.311	10.0	1.8	Tenk
34.	2013.04.26	09:14:19.4	47.653	20.303	10.0	2.0	Erdőtelek
35.	2013.04.26	18:57:23.9	47.667	20.322	7.8	1.5	Tenk
36.	2013.04.27	04:58:49.8	47.564	20.221	4.1	1.3	Jászszentandrás
37.	2013.04.28	01:12:40.8	47.332	18.202	8.1	1.5	Bodajk
38.	2013.04.28	07:01:34.3	47.573	20.150	7.7	1.5	Jászszentandrás
39.	2013.04.29	13:58:04.1	47.681	20.325	10.0	2.0	Erdőtelek
40.	2013.05.02	20:06:52.3	47.572	20.226	0.9	1.0	Jászszentandrás
41.	2013.05.03	11:05:15.7	48.954	19.793	0.0	1.4	Slovakia
42.	2013.05.03	17:52:38.0	47.601	20.229	0.8	1.3	Heves
43.	2013.05.05	20:58:48.1	47.576	20.225	0.7	1.3	Jászszentandrás
44.	2013.05.05	23:15:30.3	47.578	20.230	1.0	1.0	Jászszentandrás
45.	2013.05.08	20:49:15.0	47.566	20.245	1.3	1.7	Jászszentandrás
46.	2013.05.09	01:42:18.7	47.585	20.229	0.3	1.2	Jászszentandrás
47.	2013.05.12	07:47:22.8	47.567	20.222	1.2	0.7	Jászszentandrás

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
48.	2013.05.12	21:10:47.1	47.592	20.224	1.6	1.1	Jászszentandrás
49.	2013.05.17	06:58:01.5	47.677	16.151	10.0	1.8	Austria
50.	2013.05.18	20:34:19.9	47.646	20.292	10.0	2.9	Heves
51.	2013.05.18	22:25:16.9	48.132	20.851	8.3	1.7	Onga
52.	2013.05.22	10:55:43.2	48.374	19.825	0.0	1.8	Slovakia
53.	2013.05.24	18:54:55.0	47.694	20.308	4.3	1.8	Erdőtelek
54.	2013.05.29	11:42:50.3	48.265	21.219	1.2	1.3	Abaújszántó
55.	2013.05.31	09:15:44.8	48.634	20.768	0.0	1.4	Slovakia
56.	2013.06.01	02:48:00.8	47.794	18.032	10.0	1.0	Komárom
57.	2013.06.03	09:00:30.4	48.620	20.566	0.0	1.5	Slovakia
58.	2013.06.03	12:30:33.4	48.378	19.834	0.2	1.8	Slovakia
59.	2013.06.03	21:23:06.1	47.667	20.333	0.8	2.2	Tenk
60.	2013.06.04	07:13:23.2	47.355	18.292	10.0	2.2	Csákberény
61.	2013.06.05	18:45:46.3	47.988	19.225	4.8	4.1	Érsekvadkert
62.	2013.06.05	20:46:37.5	47.979	19.267	5.2	1.7	Szente
63.	2013.06.05	22:00:56.0	47.990	19.230	0.6	1.5	Érsekvadkert
64.	2013.06.07	03:05:35.8	47.406	17.951	10.0	1.2	Ácsteszér
65.	2013.06.11	05:31:25.5	47.988	19.233	5.4	2.3	Csesztve
66.	2013.06.14	06:35:52.8	47.979	19.263	10.0	1.5	Szente
67.	2013.06.16	00:10:31.4	48.119	22.281	5.7	1.8	Vásárosnamény
68.	2013.06.16	15:10:26.5	47.982	19.243	10.0	2.0	Csesztve
69.	2013.06.19	06:25:48.6	47.869	18.485	10.0	2.1	Slovakia
70.	2013.06.19	11:22:40.2	48.213	19.775	4.1	1.2	Slovakia
71.	2013.06.22	10:09:00.3	48.280	19.683	0.0	1.5	Slovakia
72.	2013.06.23	03:47:21.1	47.964	19.225	8.2	2.3	Szátok
73.	2013.06.23	15:47:52.6	47.971	19.250	10.0	2.1	Szente
74.	2013.06.26	09:31:21.8	48.190	19.078	0.0	1.4	Slovakia
75.	2013.06.28	08:37:18.0	47.745	16.148	0.2	1.3	Austria
76.	2013.07.01	10:39:17.2	48.104	20.594	6.2	1.2	Lillafüred
77.	2013.07.02	11:45:13.8	47.715	18.455	10.0	1.7	Süttő
78.	2013.07.02	19:07:32.0	47.983	19.215	3.4	3.4	Érsekvadkert
79.	2013.07.02	19:47:00.7	47.978	19.210	6.8	2.3	Tereske
80.	2013.07.03	11:12:24.1	48.360	19.836	0.0	1.7	Slovakia
81.	2013.07.05	05:00:44.0	46.109	16.444	10.0	2.2	Croatia
82.	2013.07.11	06:10:20.2	47.606	20.288	8.1	1.9	Heves
83.	2013.07.19	09:31:27.8	48.677	20.684	0.0	1.6	Slovakia
84.	2013.07.20	20:13:17.6	48.739	18.265	0.5	2.4	Slovakia
85.	2013.07.21	01:12:47.0	46.520	19.036	0.2	1.7	Negyvenszállás
86.	2013.07.24	20:01:16.5	46.226	16.663	11.3	1.4	Croatia
87.	2013.07.26	08:16:58.3	48.613	20.555	0.0	1.5	Slovakia
88.	2013.08.02	14:01:53.5	47.234	18.141	7.4	0.9	Várpalota
89.	2013.08.07	05:44:19.4	47.714	20.336	2.3	1.6	Kál
90.	2013.08.07	08:01:16.7	47.601	20.317	1.8	2.5	Heves
91.	2013.08.08	09:13:59.2	48.337	19.756	0.0	1.7	Slovakia
92.	2013.08.08	09:27:01.5	48.605	20.742	0.0	1.5	Slovakia
93.	2013.08.12	01:14:28.4	46.517	16.802	13.3	2.0	Borsfa
94.	2013.08.15	02:22:42.2	45.847	17.582	1.4	2.8	Croatia
95.	2013.08.15	11:46:02.5	48.293	21.222	1.0	1.4	Abaújalpár
96.	2013.08.16	10:16:17.0	48.386	19.839	0.0	1.9	Slovakia
97.	2013.08.19	08:25:11.2	48.702	20.704	0.0	1.5	Slovakia
98.	2013.08.19	13:34:09.0	48.995	20.305	6.9	2.1	Slovakia
99.	2013.08.20	19:05:28.5	47.362	19.115	10.0	1.9	Dunaharaszti

CHAPTER 1. LOCAL EARTHQUAKES

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
100.	2013.08.27	11:35:36.9	48.453	19.323	0.0	1.8	Slovakia
101.	2013.09.03	04:28:51.4	47.679	20.283	3.8	2.1	Erdőtelek
102.	2013.09.08	13:00:42.7	45.599	22.828	3.8	4.0	Romania
103.	2013.09.08	13:22:12.7	45.599	22.843	4.9	4.4	Romania
104.	2013.09.09	06:08:53.2	47.985	19.990	0.0	1.5	Mátramindszent
105.	2013.09.10	09:37:38.5	48.626	20.685	0.0	1.6	Slovakia
106.	2013.09.20	02:06:33.5	47.960	16.465	6.8	3.8	Austria
107.	2013.09.22	11:12:19.8	48.287	21.322	1.9	2.0	Sima
108.	2013.09.24	13:53:17.7	47.966	16.414	1.3	2.1	Austria
109.	2013.09.28	10:36:13.1	47.657	18.297	15.1	0.9	Tata
110.	2013.09.28	15:12:46.2	46.306	17.103	10.0	1.6	Somogycsicsó
111.	2013.10.01	10:16:48.0	48.628	20.756	0.0	1.9	Slovakia
112.	2013.10.02	04:09:52.7	47.944	16.413	4.0	1.4	Austria
113.	2013.10.02	05:26:54.8	47.947	16.409	1.5	1.5	Austria
114.	2013.10.02	05:33:03.6	47.925	16.377	1.7	1.2	Austria
115.	2013.10.02	17:17:36.0	47.962	16.438	5.7	3.7	Austria
116.	2013.10.02	19:42:43.3	47.960	16.409	3.3	2.3	Austria
117.	2013.10.03	00:18:23.3	47.950	16.381	4.9	1.3	Austria
118.	2013.10.03	04:44:54.6	45.895	20.726	11.8	2.0	Romania
119.	2013.10.03	10:17:10.9	47.586	16.350	1.3	1.3	Austria
120.	2013.10.06	10:53:52.8	47.834	16.204	2.7	1.9	Austria
121.	2013.10.06	11:08:21.0	47.911	18.972	10.0	1.2	Kóspallag
122.	2013.10.08	07:59:58.7	46.205	16.604	10.0	1.5	Croatia
123.	2013.10.10	02:02:32.0	47.879	18.831	10.0	2.3	Márianosztra
124.	2013.10.10	02:23:14.4	47.820	18.896	0.8	1.1	Szob
125.	2013.10.10	07:08:12.1	46.547	17.779	5.2	1.5	Somogygeszti
126.	2013.10.10	11:01:50.5	48.662	20.135	1.6	2.2	Slovakia
127.	2013.10.10	11:11:45.7	48.375	19.844	0.4	1.8	Slovakia
128.	2013.10.14	02:34:26.3	47.943	16.416	0.6	1.5	Austria
129.	2013.10.16	14:46:00.2	48.135	16.979	3.2	1.8	Austria
130.	2013.10.18	10:58:30.9	48.369	19.840	0.0	1.8	Slovakia
131.	2013.10.19	02:58:05.7	47.675	17.984	10.0	1.3	Bábolna
132.	2013.10.19	07:02:44.0	47.678	17.977	4.8	3.0	Bábolna
133.	2013.10.19	08:58:18.6	47.708	17.991	11.8	1.3	Ács
134.	2013.10.20	06:51:27.4	47.658	17.998	16.3	1.2	Bábolna
135.	2013.10.20	14:32:56.2	47.679	16.132	7.5	2.8	Austria
136.	2013.10.22	12:20:26.9	47.201	18.350	0.0	0.9	Székesfehérvár
137.	2013.10.23	00:06:57.4	47.680	16.140	0.7	1.2	Austria
138.	2013.10.23	19:34:53.1	47.935	16.429	8.2	2.1	Austria
139.	2013.10.24	11:16:23.5	48.649	20.685	0.0	1.7	Slovakia
140.	2013.10.28	21:56:08.7	47.203	17.157	14.3	1.4	Izsákfa
141.	2013.10.31	06:10:50.0	45.596	22.815	2.4	3.0	Romania
142.	2013.11.04	03:06:52.2	47.681	17.966	10.0	0.7	Bana
143.	2013.11.04	09:14:45.6	47.074	18.060	0.0	0.9	Papkeszi
144.	2013.11.08	10:56:30.9	47.124	17.954	14.7	0.9	Kádárta
145.	2013.11.10	05:34:36.3	46.919	21.282	10.0	2.4	Vésztő
146.	2013.11.15	23:06:36.6	46.558	17.806	10.0	1.9	Polány
147.	2013.11.16	11:03:19.5	47.008	18.014	10.0	0.9	Balatonalmádi
148.	2013.11.17	03:12:23.6	46.521	17.719	13.4	1.9	Edde
149.	2013.11.19	10:43:58.7	48.010	19.487	0.0	1.1	Nógrádsipek
150.	2013.11.21	10:37:08.7	48.593	20.562	0.0	1.7	Slovakia
151.	2013.11.23	18:53:33.1	47.892	21.020	0.9	2.2	Tiszapalkonya

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
152.	2013.11.25	11:03:56.9	48.278	21.204	14.5	1.8	Abaújszántó
153.	2013.11.26	09:05:52.5	48.635	20.739	0.0	1.4	Slovakia
154.	2013.11.26	11:07:32.3	48.831	20.437	10.0	2.1	Slovakia
155.	2013.12.01	06:04:31.4	46.071	18.374	15.4	3.1	Versend
156.	2013.12.03	12:17:23.5	48.273	21.228	6.5	2.0	Abaújszántó
157.	2013.12.04	11:14:34.3	48.608	20.767	0.0	1.6	Slovakia
158.	2013.12.05	10:52:37.4	48.189	21.221	7.1	1.5	Ond
159.	2013.12.09	07:21:29.9	46.181	16.565	10.0	1.9	Croatia
160.	2013.12.11	17:14:10.0	47.806	16.235	8.4	2.5	Austria
161.	2013.12.12	20:53:09.1	47.202	17.650	11.6	1.0	Németbánya
162.	2013.12.15	19:44:58.1	47.773	18.212	5.9	1.9	Almásfüzitő
163.	2013.12.16	09:44:05.0	47.947	19.907	0.0	1.7	Dorogháza
164.	2013.12.16	11:12:20.8	46.148	16.445	10.0	1.6	Croatia
165.	2013.12.17	02:10:47.4	47.797	18.214	8.3	1.6	Almásfüzitő
166.	2013.12.18	10:09:08.2	48.606	20.747	0.0	1.9	Slovakia
167.	2013.12.20	10:56:09.3	47.090	17.976	13.8	1.0	Litér
168.	2013.12.23	09:33:58.3	47.060	18.084	2.0	0.9	Papkeszi
169.	2013.12.30	22:21:52.9	47.453	16.904	3.0	2.3	Iván

CHAPTER 1. LOCAL EARTHQUAKES

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**January 02 2013**      Hour: 11:49:26.0      Lat: 48.601°N      Lon: 20.658°E      Depth: 0.0 km  
**Magnitude: 1.6ML**      Rms: 0.23 s      Gap: 272°      Erh: 3.6 km      Erz: 2.0 km  
**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		94	217	E Pg		1149	42.80	-0.13							
PSZ		94	217	E Sg		1149	56.50	0.37							
LANS		106	305	E Pg		1149	44.90	-0.15							
LANS		106	305	E Sg		1150	00.00	0.10							
VYHS		135	265	E Pn		1149	49.80	0.25							
VYHS		135	265	E Sn		1150	07.50	-0.41							

**January 04 2013**      Hour: 22:58:16.9      Lat: 46.117°N      Lon: 16.428°E      Depth: 12.6 km  
**Magnitude: 2.2ML**      Rms: 0.59 s      Gap: 160°      Erh: 2.5 km      Erz: 1.5 km  
**Locality: Croatia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOGS		39	340	I Pg		2258	24.30	0.05							
KOGS		39	340	I Sg		2258	29.90	-0.09							
BEHE		47	34	E Pg	D	2258	25.90	0.24							
BEHE		47	34	E Sg		2258	32.70	0.20							
GCIS		68	246	I Pg		2258	29.50	0.27							
DOBS		74	273	I Pg		2258	30.20	-0.13							
GROS		81	298	I Pg		2258	31.10	-0.42							
LEGS		88	258	I Pg		2258	32.50	-0.26							
PDKS		110	268	I Pn		2258	36.30	0.20							
BISS		116	301	I Pn		2258	36.60	-0.19							
SOKA		124	300	Pn		2258	37.80	0.02							
SOKA		124	300	Sn		2258	52.30	-1.77							
ARSA		143	331	Pn		2258	40.90	0.68							
ARSA		143	331	Sn		2258	58.30	-0.13							
OBKA		151	287	Pn		2258	42.30	1.15							
OBKA		151	287	Sn		2258	59.50	-0.58							
MORH		171	86	E Pn		2258	43.30	-0.38							
MORH		171	86	E Sn		2259	03.00	-1.59							
CONA		205	348	Pn		2258	50.00	2.02							
CONA		205	348	Sn		2259	18.00	5.77							

**January 17 2013**      Hour: 10:50:38.7      Lat: 47.903°N      Lon: 18.000°E      Depth: 8.5 km  
**Magnitude: 3.2ML**      Rms: 0.78 s      Gap: 46°      Erh: 1.6 km      Erz: 1.6 km  
**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO		25	113	E Pg		1050	44.00	0.49							
SRO		25	113	E Sg		1050	47.30	0.05							
ZST		74	296	E Pg		1050	51.80	-0.29							
ZST		74	296	E Sg		1051	01.00	-1.52							
MODS		75	314	E Pg		1050	53.20	1.00							
MODS		75	314	E Sg		1051	02.30	-0.42							
BUD		89	121	E Pg	C	1050	54.70	-0.14							
BUD		89	121	E Sg		1051	05.80	-1.62							
VYHS		90	43	E Pg		1050	54.90	-0.03							
VYHS		90	43	E Sg		1051	05.60	-1.99							
SOP		110	257	E Pn	D	1050	58.30	-0.17							
SOP		110	257	E Sn		1051	12.20	-1.68							
TIH		111	184	E Pn	D	1050	58.80	0.20							
TIH		111	184	E Sn		1051	14.20	0.08							

PSZ	141	89	E Pn	C	1051	02.50	0.18
PSZ	141	89	E Sn		1051	19.60	-1.13
CONA	159	271	Pn		1051	04.60	0.02
CONA	159	271	Sn		1051	24.00	-0.76
LANS	176	38	E Pn		1051	08.90	2.29
LANS	176	38	E Sn		1051	29.40	1.03
BEHE	184	210	E Pn		1051	09.50	1.85
BEHE	184	210	E Sn		1051	36.80	6.58
VRAC	187	326	I Pn		1051	08.00	-0.04
MORH	193	165	E Pn	C	1051	08.60	-0.23
MORH	193	165	E Sn		1051	28.70	-3.62
ARSA	200	249	Pn		1051	09.60	0.01
ARSA	200	249	Sn		1051	32.60	-1.08
KOGS	209	219	I Pn		1051	11.50	0.76
MORC	211	351	I Pn		1051	11.20	0.23
OKC	215	3	I Pn		1051	11.80	0.29
OKC	215	3	E Sn		1051	37.30	0.20
KRLC	257	340	E Pn		1051	17.90	1.13
SOKA	262	239	Pn		1051	17.70	0.30
SOKA	262	239	Sn		1051	46.00	-1.57
DOBS	273	225	I Pn		1051	18.70	-0.11
MOA	279	269	Pn		1051	20.30	0.80
MOA	279	269	Sn		1051	51.70	0.39
OJC	289	27	I Pn		1051	21.10	0.38
LEGS	298	223	I Pn		1051	21.60	-0.24
DPC	298	336	E Pn		1051	23.10	1.23
CRES	301	220	I Pn		1051	22.00	-0.26
OBKA	304	239	Pn		1051	23.20	0.64
OBKA	304	239	Sn		1051	56.20	-0.56
UPC	323	333	E Pn		1051	26.00	0.96
GOPC	324	314	E Pn		1051	26.00	0.84
SIRR	332	123	I Pn	D	1051	27.00	0.93
FRGS	338	155	I Pn		1051	26.60	-0.25
TRPA	339	86	I Pn		1051	26.50	-0.50
PRU	343	312	E Pn		1051	29.20	1.72
PRU	343	312	E Sn		1052	03.70	-1.82
BLY	352	190	I Pn		1051	29.60	1.06
KHC	354	293	E Pn		1051	29.90	1.09
KHC	354	293	E Sn		1052	07.20	-0.68
MYKA	358	247	Pn		1051	30.20	0.79
MYKA	358	247	Sn		1052	07.00	-1.96
BZS	375	133	I Pn		1051	33.30	1.83
DRGR	376	109	I Pn		1051	31.50	-0.15
ABTA	434	253	Pn		1051	41.50	2.69
MDVR	449	141	I Pn	D	1051	40.90	0.18
GZR	460	127	I Pn		1051	43.80	1.79
WTTA	484	262	Pn		1051	46.30	1.30
SQTA	516	262	Pn		1051	50.30	1.21
SQTA	516	262	Sn		1052	40.80	-3.18
BURB	542	93	I Pn		1051	52.40	0.16
RETA	545	265	Pn		1051	52.80	0.15
FETA	556	260	Pn		1051	55.20	1.10
FETA	556	260	Sn		1052	51.00	-1.90

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DOPR	602	111	I	Pn	1052	01.00	1.23
VOIR	605	117	I	Pn	1052	00.70	0.59

**January 17 2013**      **Hour: 19:38:44.5**      **Lat: 47.923°N**      **Lon: 17.999°E**      **Depth: 10.0 km**  
**Magnitude: 1.9ML**      **Rms: 0.73 s**      **Gap: 91°**      **Erh: 2.5 km**      **Erz: 2.2 km**

**Locality: Slovakia**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO		26	118	E Pg		1938	49.80	0.24							
SRO		26	118	E Sg		1938	52.50	-1.00							
ZST		73	294	E Pg		1938	57.40	-0.33							
ZST		73	294	E Sg		1939	06.80	-1.25							
MODS		73	313	E Pg		1938	59.00	1.26							
MODS		73	313	E Sg		1939	08.40	0.34							
VYHS		88	44	E Pg		1939	00.60	0.13							
VYHS		88	44	E Sg		1939	11.30	-1.62							
SOP		111	256	E Pn	C	1939	03.40	-0.72							
SOP		111	256	E Sn		1939	18.10	-1.33							
TIH		114	184	E Pn		1939	05.00	0.52							
TIH		114	184	E Sn		1939	19.60	-0.46							
PSZ		141	90	E Pn	D	1939	08.80	0.88							
PSZ		141	90	E Sn		1939	26.20	0.01							
CONA		159	270	Pn		1939	10.50	0.33							
CONA		159	270	Sn		1939	30.00	-0.19							
MORH		196	166	E Pn	D	1939	14.40	-0.30							
MORH		196	166	E Sn		1939	34.90	-3.36							
ARSA		200	248	Pn		1939	16.10	0.81							
MOA		279	268	Pn		1939	25.50	0.41							
KHC		353	292	E Pn		1939	36.20	1.91							
KHC		353	292	E Sn		1940	13.90	0.78							

**January 25 2013**      **Hour: 07:14:30.2**      **Lat: 47.737°N**      **Lon: 16.173°E**      **Depth: 7.4 km**  
**Magnitude: 3.4ML**      **Rms: 0.95 s**      **Gap: 81°**      **Erh: 1.7 km**      **Erz: 1.6 km**

**Locality: Austria**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		29	102	E Pg	D	714	36.70	1.04							
SOP		29	102	E Sg		714	40.70	0.80							
CONA		31	313	Pg		714	36.20	0.20							
CONA		31	313	Sg		714	40.90	0.39							
ARSA		73	222	Pg		714	42.70	-0.62							
ARSA		73	222	Sg		714	51.20	-2.33							
ZST		86	54	E Pg		714	44.60	-1.06							
ZST		86	54	E Sg		714	56.00	-1.71							
MODS		108	49	E Pg		714	49.10	-0.55							
MODS		108	49	E Sg		715	03.60	-1.21							
SMOL		127	47	E Pn		714	52.70	0.53							
SMOL		127	47	E Sn		715	09.10	-0.20							
MOA		143	275	Pn		714	54.20	0.02							
MOA		143	275	Sn		715	12.50	-0.38							
SOKA		146	216	Pn		714	54.30	-0.21							
SOKA		146	216	Sn		715	11.60	-1.86							
PERS		146	213	I Pn		714	54.50	-0.04							
TIH		159	126	E Pn		714	56.50	0.26							
SRO		160	87	E Pn		714	56.00	-0.33							
SRO		160	87	E Sn		715	14.50	-2.21							

VRAC	177	10	I	Pn	D	714	58.60	0.17
TREC	180	344	E	Pn		715	00.00	1.20
TREC	180	344	E	Sn		715	20.70	-0.40
OBKA	183	222		Pn		714	59.90	0.67
OBKA	183	222		Sn		715	23.70	1.83
VYHS	215	67	E	Pn		715	02.60	-0.56
VYHS	215	67	E	Sn		715	27.80	-1.06
BUD	216	97	E	Pn		715	04.10	0.84
KBA	225	251		Pn		715	05.70	1.26
KBA	225	251		Sn		715	37.30	6.16
MYKA	228	237		Pn		715	05.50	0.77
MYKA	228	237		Sn		715	36.10	4.46
KHC	246	309	E	Pn		715	08.00	0.93
KHC	246	309	E	Sn		715	34.50	-1.31
MORC	248	24	I	Pn	D	715	07.70	0.45
MORH	252	132	E	Pn	C	715	07.70	-0.14
MORH	252	132	E	Sn		715	34.00	-3.18
GOPC	262	337	E	Pn		715	11.10	2.06
KRLC	263	10	E	Pn		715	10.20	1.00
KRLC	263	10	E	Sn		715	45.70	6.10
OKC	275	32	E	Pn		715	11.60	1.01
PRU	277	334	E	Pn		715	12.80	1.90
PRU	277	334	E	Sn		715	48.00	5.37
PSZ	279	86	E	Pn	C	715	11.30	0.16
PSZ	279	86	E	Sn		715	41.30	-1.76
LANS	290	57	E	Pn		715	13.20	0.73
LANS	290	57	E	Sn		715	46.20	0.78
DPC	290	2	E	Pn		715	12.80	0.24
DPC	290	2	E	Sn		715	51.20	5.61
ABTA	298	248		Sn		715	57.80	10.57
UPC	308	358	E	Pn		715	16.00	1.26
UPC	308	358	E	Sn		715	57.10	7.63
PVCC	331	339	E	Sn		716	03.50	8.83
BLY	336	167	I	Pn		715	20.10	1.79
WATA	349	263		Pn		715	21.40	1.59
SQTA	378	261		Pn		715	25.40	1.90
SQTA	378	261		Sn		716	19.40	14.33
MOTA	384	263		Pn		715	25.50	1.30
NKC	389	316	E	Pn		715	26.00	1.18
NKC	389	316	E	Sn		716	20.20	12.80
RETA	407	266		Pn		715	28.50	1.36
RETA	407	266		Sn		716	26.80	15.26
FETA	418	259		Pn		715	30.00	1.49
FETA	418	259		Sn		716	31.30	17.32
DAVA	476	264		Pn		715	36.80	1.07
DAVA	476	264		Sn		716	46.60	19.76
BZS	478	120	I	Pn		715	37.70	1.72
DRGR	505	102	I	Pn		715	40.20	0.82
MDVR	538	128	I	Pn		715	45.40	1.90
GZR	569	117	I	Pn		715	48.90	1.59
BURB	679	91	I	Pn		716	02.00	1.00
ARR	700	112	I	Pn	D	716	04.40	0.78

## CHAPTER 1. LOCAL EARTHQUAKES

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**February 01 2013      Hour: 11:06:13.4      Lat: 47.718°N      Lon: 18.540°E      Depth: 10.0 km**  
**Magnitude: 1.9ML      Rms: 0.55 s      Gap: 117°      Erh: 2.0 km      Erz: 1.6 km**  
**Locality: Bajót**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SR02		12	294	E Pg		1106	14.80	-1.36							
SR02		12	294	E Sg		1106	17.10	-1.24							
SRO		20	302	E Pg		1106	17.50	0.13							
SRO		20	302	E Sg		1106	21.10	0.61							
BUD		44	126	E Sg		1106	27.90	-0.05							
VYHS		89	14	E Pg		1106	29.60	0.23							
VYHS		89	14	E Sg		1106	41.20	-0.65							
PSZ		103	78	E S*		1106	46.50	0.01							
MODS		119	308	E Pn		1106	34.50	0.53							
MODS		119	308	E Sn		1106	49.50	-0.54							
MORH		167	177	E Pn	D	1106	40.50	0.52							
MORH		167	177	E Sn		1106	59.60	-1.13							

**February 09 2013      Hour: 01:13:11.7      Lat: 47.301°N      Lon: 19.444°E      Depth: 10.0 km**  
**Magnitude: 1.1ML      Rms: 0.48 s      Gap: 181°      Erh: 8.3 km      Erz: 10.1 km**  
**Locality: Csévháraszt**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		37	303	E Pg	C	113	19.00	0.38							
BUD		37	303	E Sg		113	23.80	-0.25							
PSZ		76	26	E Pg	C	113	25.50	0.06							
PSZ		76	26	E Sg		113	34.00	-2.19							
TIH		125	249	E Pn	D	113	33.30	0.18							
MORH		135	207	E Pn	C	113	34.30	0.01							
MORH		135	207	E Sn		113	50.10	-1.83							

**February 16 2013      Hour: 17:18:42.2      Lat: 47.612°N      Lon: 20.246°E      Depth: 11.0 km**  
**Magnitude: 3.6ML      Rms: 0.65 s      Gap: 90°      Erh: 1.7 km      Erz: 1.6 km**  
**Locality: Heves**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		43	322	E Pg	D	1718	50.00	-0.16							
PSZ		43	322	E Sg		1718	55.70	-0.64							
BUD		93	261	E Pg	D	1718	59.20	0.23							
BUD		93	261	E Sg		1719	11.50	-0.53							
LTVH		127	101	E Pn		1719	03.10	-0.63							
LTVH		127	101	E Sn		1719	20.40	-0.10							
SR02		140	277	E Pn		1719	05.60	0.28							
SR02		140	277	E Sn		1719	22.80	-0.53							
VYHS		143	313	E Pn		1719	05.60	-0.18							
VYHS		143	313	E Sn		1719	24.00	-0.14							
AMBH		145	165	E Pn		1719	06.30	0.36							
AMBH		145	165	E Sn		1719	26.70	2.26							
SRO		146	279	E Pn		1719	07.10	0.94							
SRO		146	279	E Sn		1719	25.50	0.69							
SRO		146	279	E Sn		1719	30.50	-0.45							
SRO		146	279	E Sn		1719	33.00	0.69							
TRPA		181	71	I Pn	D	1719	11.20	0.77							
TRPA		181	71	E Sn		1719	30.70	-1.72							
SIRR		184	144	I Pn		1719	10.40	-0.44							
TIH		194	246	E Pn	D	1719	12.50	0.34							
TIH		194	246	E Sn		1719	41.80	6.29							

MORH	197	218	E Pn	D	1719	11.80	-0.68
MORH	197	218	E Sn		1719	34.40	-1.68
DRGR	207	116	I Pn		1719	13.00	-0.79
BMR	244	88	I Pn	D	1719	18.90	0.56
BZS	245	155	I Pn		1719	18.20	-0.27
BANR	257	165	I Pn		1719	20.70	0.78
CJR	273	111	I Pn		1719	21.50	-0.42
SOP	277	272	E Pn	D	1719	22.80	0.38
DEV	279	133	I Pn		1719	22.50	-0.23
OKC	291	328	E Pn		1719	24.80	0.57
MORC	312	320	I Pn		1719	27.40	0.60
GZR	314	142	I Pn	D	1719	27.20	0.18
ARCR	315	101	I Pn		1719	26.60	-0.65
VRAC	329	305	I Pn		1719	29.00	0.06
CONA	330	276	Pn		1719	29.20	0.14
CONA	330	276	Sn		1720	05.60	0.02
MDVR	334	160	I Pn	D	1719	29.40	-0.16
ARSA	358	264	Pn		1719	33.30	0.73
ARSA	358	264	Sn		1720	11.20	-0.63
LOT	361	132	I Pn		1719	33.70	0.71
KRLC	373	317	E Pn		1719	35.30	0.84
KRLC	373	317	E Sn		1720	14.10	-1.10
BURB	373	90	I Pn		1719	33.30	-1.17
TREC	398	298	E Sn		1720	19.20	-1.52
PERS	404	254	I Pn		1719	38.40	0.16
SOKA	408	255	Pn		1719	39.10	0.26
DPC	418	317	E Pn		1719	40.60	0.55
ARR	419	127	I Pn		1719	40.00	-0.14
DOPR	433	115	I Pn		1719	41.90	0.02
VOIR	440	123	I Pn		1719	43.30	0.47
UPC	446	316	E Pn		1719	43.80	0.26
MOA	449	273	Pn		1719	44.30	0.41
MOA	449	273	Sn		1720	33.00	1.02
BIZ	449	100	I Pn	D	1719	44.20	0.28
OBKA	449	254	Pn		1719	44.00	0.05
OZUR	455	112	I Pn	D	1719	44.60	0.01
GOPC	476	303	E Pn		1719	46.90	-0.31
GOPC	476	303	E Sn		1720	35.30	-2.59
PRU	495	302	E Pn		1719	49.70	0.07
PRU	495	302	E Sn		1720	39.70	-2.50
MLR	496	118	I Pn	D	1719	49.60	-0.19
TESR	501	104	I Pn	D	1719	49.80	-0.61
KHC	522	289	E Pn		1719	53.20	0.24
KHC	522	289	E Sn		1720	45.40	-2.72
KBA	524	264	Pn		1719	54.70	1.39
PVCC	526	308	E Pn		1719	53.10	-0.41
PLOR	527	112	I Pn	D	1719	53.50	-0.10
VRI	532	111	I Pn		1719	54.00	-0.21
NKC	641	297	E Pn		1720	07.30	-0.55

February 17 2013    Hour: 13:21:47.3    Lat: 47.547°N    Lon: 20.177°E    Depth: 6.8 km  
 Magnitude: 2.5ML    Rms: 0.49 s    Gap: 164°    Erh: 6.2 km    Erz: 4.0 km  
 Locality: Jászszentandrás    Comments:  
 STAT CO DIST AZI PHASE    P HRMN SECON    TRES CODA AMPL PERI BAZ ARES VELO WT

## CHAPTER 1. LOCAL EARTHQUAKES

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PSZ	46	333	E Pg	1321	55.60	-0.04
PSZ	46	333	E Sg	1322	01.50	-0.68
VYHS	145	316	E Pn	1322	12.30	0.77
VYHS	145	316	E Sn	1322	30.20	-0.26
TRPA	188	70	I Pn	D	1322	17.40
DRGR	209	114	I Pn		1322	19.00
BZS	241	153	I Pn	D	1322	23.30
GZR	311	140	I Pn	D	1322	32.90
						0.61

**March 04 2013**      Hour: 10:55:45.9      Lat: 47.782°N      Lon: 18.477°E      Depth: 12.6 km

Magnitude: 2.1ML      Rms: 0.41 s      Gap: 267°      Erh: 3.9 km      Erz: 1.5 km

**Locality: Slovakia**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO	12	286	E Pg		1055	48.50	-0.65								
SRO	12	286	E Sg		1055	52.10	0.46								
VYHS	83	19	E Pg		1056	01.20	0.17								
VYHS	83	19	E Sg		1056	12.10	-0.70								
KOLL	88	356	E Sg		1056	14.70	0.27								
MODS	111	306	E Pn		1056	05.60	0.41								
MODS	111	306	E Sn		1056	20.40	0.19								
ZST	112	294	E Sn		1056	20.30	-0.24								

**March 07 2013**      Hour: 10:57:28.3      Lat: 48.329°N      Lon: 19.837°E      Depth: 0.0 km

Magnitude: 1.7ML      Rms: 0.66 s      Gap: 191°      Erh: 6.3 km      Erz: — km

**Locality: Slovakia**

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ	45	175	E Pg		1057	36.30	-0.15								
PSZ	45	175	E Sg		1057	42.70	-0.14								
VYHS	76	284	E Pg		1057	43.00	1.12								
VYHS	76	284	E Sg		1057	51.50	-1.01								
LANS	95	343	E Pg		1057	45.60	0.33								
LANS	95	343	E Sg		1057	57.40	-1.14								

**March 08 2013**      Hour: 09:03:46.6      Lat: 48.364°N      Lon: 19.799°E      Depth: 0.0 km

Magnitude: 1.7ML      Rms: 0.36 s      Gap: 187°      Erh: 4.1 km      Erz: — km

**Locality: Slovakia**

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ	50	172	E Pg	C	903	55.60	0.04								
PSZ	50	172	E Sg		904	02.40	-0.14								
VYHS	72	281	E Pg		904	00.20	0.60								
VYHS	72	281	E Sg		904	09.40	-0.32								
LANS	90	344	E Sg		904	15.00	-0.46								

**March 12 2013**      Hour: 12:01:39.6      Lat: 48.382°N      Lon: 21.255°E      Depth: 19.7 km

Magnitude: 1.8ML      Rms: 0.51 s      Gap: 192°      Erh: 5.8 km      Erz: 6.2 km

**Locality: Korlát**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TRPA	99	106	E Pn		1201	56.00	-0.54								
TRPA	99	106	E Sn		1202	10.50	0.77								
PSZ	113	243	E Pn	C	1201	58.90	0.58								
PSZ	113	243	E Sn		1202	12.70	-0.19								
LTVH	120	156	E Pn		1201	58.80	-0.43								
LTVH	120	156	E Sn		1202	14.30	-0.20								
VYHS	179	274	E Sn		1202	27.10	-0.40								

**March 19 2013**      Hour: 15:09:26.6      Lat: 48.342°N      Lon: 19.806°E      Depth: 9.0 km  
**Magnitude: 1.6ML**      Rms: 0.69 s      Gap: 188°      Erh: 4.4 km      Erz: 36.4 km  
**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		47	172	E Pg	D	1509	35.10	-0.17							
PSZ		47	172	E Sg		1509	41.70	-0.31							
VYHS		73	283	E Pg		1509	40.30	0.41							
VYHS		73	283	E Sg		1509	49.80	-0.45							
LANS		93	345	E Pg		1509	44.50	1.15							
LANS		93	345	E Sg		1509	55.20	-1.21							

**March 20 2013**      Hour: 23:48:46.3      Lat: 48.097°N      Lon: 20.820°E      Depth: 10.0 km  
**Magnitude: 1.7ML**      Rms: 0.92 s      Gap: 129°      Erh: 5.3 km      Erz: 4.9 km  
**Locality: Szirma**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		71	254	E Pg		2348	58.80	-0.44							
PSZ		71	254	E Sg		2349	09.00	-0.34							
LTVH		113	134	E Pn		2349	06.40	0.24							
LTVH		113	134	E Sn		2349	21.90	0.23							
TRPA		128	88	E Pn	C	2349	08.50	0.50							
TRPA		128	88	E Sn		2349	23.00	-1.94							
VYHS		153	287	E Pn		2349	12.90	1.71							
VYHS		153	287	E Sn		2349	29.30	-1.33							
LANS		153	320	E Pn		2349	11.90	0.69							
LANS		153	320	E Sn		2349	29.50	-1.16							
MORH		266	218	E Pn		2349	24.60	-0.65							
MORH		266	218	E Sn		2349	53.10	-2.55							

**March 21 2013**      Hour: 11:17:04.0      Lat: 48.342°N      Lon: 19.795°E      Depth: 0.0 km  
**Magnitude: 1.2ML**      Rms: 0.16 s      Gap: 186°      Erh: 1.6 km      Erz: — km  
**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		47	171	E Pg	D	1117	12.40	-0.07							
PSZ		47	171	E Sg		1117	19.10	-0.02							
VYHS		72	283	E Pg		1117	17.30	0.32							
VYHS		72	283	E Sg		1117	26.90	-0.24							
LANS		93	345	E Pg		1117	20.70	0.13							
LANS		93	345	E Sg		1117	33.30	-0.23							

**March 23 2013**      Hour: 23:02:14.8      Lat: 45.724°N      Lon: 20.157°E      Depth: 10.0 km  
**Magnitude: 2.4ML**      Rms: 0.36 s      Gap: 164°      Erh: 2.7 km      Erz: 2.3 km  
**Locality: Serbia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
AMBH		82	32	E Pg	D	2302	30.10	0.47							
AMBH		82	32	E Sg		2302	40.30	-0.89							
TIM		82	89	I Pg	D	2302	29.90	0.19							
BANR		85	116	I Pg		2302	29.70	-0.45							
BZS		114	96	I Pn		2302	35.30	0.47							
MORH		129	295	E Pn	D	2302	36.70	-0.01							
MORH		129	295	E Sn		2302	51.30	-2.48							
SIRR		131	63	I Pn		2302	37.10	0.17							
MDVR		160	131	I Pn	D	2302	40.60	-0.03							
GZR		207	100	I Pn		2302	46.10	-0.38							
DRGR		229	59	I Pn	D	2302	48.90	-0.34							

CHAPTER 1. LOCAL EARTHQUAKES

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**March 26 2013      Hour: 12:07:16.2      Lat: 45.792°N      Lon: 21.154°E      Depth: 7.9 km**  
**Magnitude: 2.8ML      Rms: 0.49 s      Gap: 102°      Erh: 2.3 km      Erz: 1.6 km**  
**Locality: Romania**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIM		8	140	I Pg		1207	18.20	-0.02							
BZS		41	118	I Pg		1207	23.40	-0.25							
BANR		45	182	I Pg		1207	24.80	0.34							
SIRR		65	37	I Pg		1207	27.50	-0.52							
AMBH		70	332	E Pg	C	1207	29.40	0.56							
AMBH		70	332	E Sg		1207	42.60	3.91							
MDVR		120	159	I Pn		1207	36.90	-0.36							
GZR		134	109	I Pn		1207	38.50	-0.45							
DRGR		163	47	I Pn		1207	42.50	-0.11							
MORH		200	284	E Pn	C	1207	46.50	-0.67							
MORH		200	284	E Sn		1208	14.70	3.37							
SRE		204	128	I Pn		1207	48.30	0.60							
LOT		207	101	I Pn	D	1207	49.30	1.19							
CJR		214	61	I Pn		1207	49.30	0.33							
PSZ		255	338	E Pn	C	1207	54.00	-0.04							
ARR		275	100	I Pn	D	1207	57.50	0.90							
TRPA		280	22	I Pn	D	1207	58.00	0.80							
VYHS		348	330	E Pn		1208	05.80	0.17							
VYHS		348	330	E Sn		1208	08.90	-35.27							

**March 28 2013      Hour: 19:04:25.0      Lat: 45.931°N      Lon: 17.176°E      Depth: 17.4 km**  
**Magnitude: 2.8ML      Rms: 0.59 s      Gap: 192°      Erh: 2.8 km      Erz: 3.4 km**  
**Locality: Croatia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		67	333	E P*	C	1904	38.20	0.84							
BEHE		67	333	E Sn		1904	47.90	0.88							
KOGS		91	309	I P*		1904	41.10	0.05							
KOGS		91	309	I Sn		1904	52.80	-0.79							
MORH		118	74	E Pn	D	1904	44.20	-0.30							
MORH		118	74	E Sn		1904	59.20	-0.52							
GCIS		120	267	I Pn		1904	44.90	0.10							
GOLS		120	274	I Pn		1904	44.90	0.08							
GOLS		120	274	I Sn		1904	59.90	-0.40							
TIH		121	27	E Pn	D	1904	44.60	-0.28							
TIH		121	27	E Sn		1905	02.30	1.89							
SOKA		184	297	Sn		1905	15.70	1.14							
ARSA		193	319	Pn		1904	54.30	0.34							
ARSA		193	319	Sn		1905	15.20	-1.36							
OBKA		212	288	Pn		1904	56.70	0.40							
OBKA		212	288	Sn		1905	27.20	6.47							
CONA		243	336	Pn		1905	00.10	-0.07							
CONA		243	336	Sn		1905	27.70	0.09							
MOA		307	314	Pn		1905	08.70	0.54							
MOA		307	314	Sn		1905	42.50	0.66							
VYHS		311	24	E Pn		1905	08.20	-0.43							
VYHS		311	24	E Sn		1905	40.50	-2.18							

**April 01 2013      Hour: 22:04:14.0      Lat: 46.543°N      Lon: 21.208°E      Depth: 11.8 km**  
**Magnitude: 2.6ML      Rms: 0.78 s      Gap: 81°      Erh: 3.6 km      Erz: 3.6 km**  
**Locality: Elek**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
AMBH		42	240	E Pg	D	2204	22.80	0.89							
AMBH		42	240	E Sg		2204	29.80	1.71							
SIRR		46	131	I Pg		2204	22.40	-0.12							
TIM		89	179	I Pg	D	2204	29.00	-1.12							
LTVH		107	29	E Pn	D	2204	33.30	0.39							
LTVH		107	29	E Sn		2204	46.80	-0.86							
BZS		107	163	I Pn		2204	32.40	-0.54							
DRGR		118	76	I Pn	D	2204	33.70	-0.56							
DEV		150	119	I Pn		2204	38.90	0.69							
PSZ		182	327	E Pn	D	2204	41.80	-0.46							
CJR		184	84	I Pn	D	2204	43.90	1.44							
MDVR		199	169	I Pn		2204	43.90	-0.51							
TRPA		203	30	I Pn	D	2204	44.00	-0.84							
BMR		214	54	I Pn	D	2204	47.10	0.86							
LOT		232	122	I Pn		2204	49.00	0.46							
ARCR		247	76	I Pn	D	2204	50.80	0.42							
MDB		248	100	I Pn		2204	51.70	1.23							
VYHS		281	321	E Pn		2204	54.50	-0.05							
ARR		296	116	I Pn		2204	57.20	0.78							
VOIR		322	112	I Pn		2205	00.90	1.24							
BURB		327	69	I Pn		2205	00.00	-0.28							
DOPR		328	101	I Pn	D	2205	01.20	0.71							
MLR		385	108	I Pn	D	2205	08.30	0.78							
MORC		451	323	I Pn	D	2205	14.10	-1.68							
VRAC		462	312	I Pn		2205	15.00	-2.12							

April 11 2013                  Hour: 10:44:15.2                  Lat: 47.616°N                  Lon: 17.868°E                  Depth: 0.0 km

Magnitude: 1.8ML                  Rms: 0.32 s                  Gap: 199°                  Erh: 2.7 km                  Erz: — km

Locality: Pér

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		40	134	E Pg		1044	22.30	-0.17							
CSKK		40	134	E Sg		1044	28.00	-0.16							
MODS		95	332	E Pg		1044	32.40	0.25							
MODS		95	332	E Sg		1044	45.00	-0.39							
VYHS		121	36	E Pg		1044	37.40	0.54							
VYHS		121	36	E Sg		1044	53.50	-0.27							

April 15 2013                  Hour: 09:11:00.7                  Lat: 47.812°N                  Lon: 17.550°E                  Depth: 12.1 km

Magnitude: 2.2ML                  Rms: 1.01 s                  Gap: 82°                  Erh: 2.4 km                  Erz: 2.2 km

Locality: Ásványráró

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZST		54	322	E Pg		911	10.40	-0.24							
ZST		54	322	E Sg		911	16.80	-1.58							
SRO		57	90	E Pg		911	11.40	0.24							
SRO		57	90	E Sg		911	19.50	0.19							
MODS		65	342	E Pg		911	12.10	-0.55							
MODS		65	342	E Sg		911	20.80	-1.15							
CSKK		73	133	E Pg	D	911	13.90	-0.06							
CSKK		73	133	E Sg		911	22.80	-1.48							
SOP		75	259	E Pg		911	16.00	1.59							
SOP		75	259	E Sg		911	23.90	-1.19							
SMOL		78	353	E Pg		911	16.20	1.28							
SMOL		78	353	E Sg		911	27.10	1.11							

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VYHS	122	52	E Pn	911	21.70	0.27	
VYHS	122	52	E Sn	911	36.60	-0.98	
CONA	126	276	Pn	911	21.70	-0.32	
CONA	126	276	Sn	911	37.20	-1.44	
ARSA	164	248	Pn	911	27.90	1.14	
ARSA	164	248	Sn	911	48.10	1.03	
PSZ	175	86	E Pn	911	26.10	-2.03	
PSZ	175	86	E Sn	911	50.90	1.39	
MORH	196	155	E Pn	C	911	29.90	-0.74
MORH	196	155	E Sn		911	50.70	-3.27
SOKA	228	237	Pn		911	35.30	0.61
MOA	245	271	Pn		911	38.50	1.64
MOA	245	271	Sn		912	05.90	0.85
OBKA	269	238	Pn		911	41.50	1.67
KBA	327	256	Pn		911	48.60	1.57
KBA	327	256	Sn		912	22.70	-0.46

**April 17 2013**      Hour: 21:33:57.3      Lat: 46.098°N      Lon: 17.630°E      Depth: 10.0 km

Magnitude: 1.5ML      Rms: 0.19 s      Gap: 222°      Erh: 2.1 km      Erz: 23.1 km

Locality: Patosfa

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		77	302	E Pg	C	2134	11.40	0.11							
BEHE		77	302	E Sg		2134	22.00	-0.21							
MORH		79	81	E Pg		2134	11.50	-0.08							
MORH		79	81	E Sg		2134	23.70	0.97							
TIH		91	13	E Pg		2134	13.50	-0.20							
TIH		91	13	E Sg		2134	26.70	0.20							

**April 22 2013**      Hour: 22:28:46.7      Lat: 47.634°N      Lon: 20.293°E      Depth: 10.0 km

Magnitude: 4.8ML      Rms: 0.70 s      Gap: 92°      Erh: 2.3 km      Erz: 2.1 km

Locality: Heves

Comments: felt, 6 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		43	317	E Pg	C	2228	55.20	0.51							
PSZ		43	317	E Sg		2229	00.60	-0.31							
BUD		97	260	E Pg	D	2229	04.00	-0.14							
LTVH		124	103	E Pn	C	2229	07.90	-0.07							
LTVH		124	103	E Sn		2229	25.40	0.85							
VYHS		144	311	E Pn	C	2229	10.50	-0.02							
VYHS		144	311	E Sn		2229	28.40	-0.68							
CSKK		156	259	E Pn	C	2229	12.10	0.15							
CSKK		156	259	E Sn		2229	34.80	3.18							
CEI		162	88	I Pn		2229	13.60	0.82							
TRPA		176	72	E Pn	D	2229	12.90	-1.63							
TRPA		176	72	E Sn		2229	37.40	1.18							
LANS		179	340	E Pn		2229	15.40	0.56							
LANS		179	340	E Sn		2229	36.70	-0.08							
SIRR		184	146	I Pn		2229	15.50	0.06							
TIH		199	246	E Pn	C	2229	16.70	-0.61							
DRGR		205	117	I Pn	C	2229	18.40	0.26							
SMOL		234	295	E Pn	C	2229	21.50	-0.26							
SMOL		234	295	E Sn		2229	55.50	6.42							
MODS		239	290	E Pn		2229	21.00	-1.36							
BMR		240	89	I Pn	C	2229	21.00	-1.50							
ZST		246	285	E Pn	D	2229	21.90	-1.32							

BANR	258	166	I	Pn	2229	25.00	0.28	
CJR	270	112	I	Pn	2229	26.20	-0.03	
DEV	278	134	I	Pn	C	2229	27.20	-0.03
SOP	280	271	E	Pn	C	2229	27.50	0.03
SOP	280	271	E	Sn	2229	58.20	-1.05	
OKC	291	327	E	Pn	2229	29.30	0.48	
BEHE	297	244	E	Pn	2229	30.30	0.79	
MORC	312	320	I	Pn	C	2229	31.60	0.13
ARCR	312	101	I	Pn	C	2229	31.50	0.02
GZR	313	143	I	Pn	2229	31.90	0.31	
VRAC	330	304	I	Pn	C	2229	33.50	-0.24
CONA	333	276		Pn	C	2229	34.00	-0.08
CONA	333	276		Sn	2230	10.50	-0.52	
MDVR	335	161	I	Pn	2229	34.30	-0.02	
MDB	353	118	I	Pn	2229	38.40	1.91	
LOT	360	132	I	Pn	C	2229	38.00	0.53
ARSA	362	263		Pn	C	2229	38.00	0.34
ARSA	362	263		Sn	2230	16.10	-1.29	
BURB	370	90	I	Pn	2229	39.10	0.47	
KRLC	374	316	E	Pn	2229	39.70	0.55	
KRLC	374	316	E	Sn	2230	18.10	-1.95	
TREC	400	297	E	Pn	C	2229	42.30	-0.12
TREC	400	297	E	Sn	2230	23.80	-2.07	

**April 22 2013**      Hour: 23:01:42.9      Lat: 47.600°N      Lon: 20.273°E      Depth: 7.0 km  
**Magnitude: 2.1ML**      Rms: 1.18 s      Gap: 92°      Erh: 4.7 km      Erz: 4.1 km  
**Locality: Heves**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		45	321	E Pg	C	2301	50.60	-0.49							
BUD		94	262	E Pg	D	2302	00.60	0.71							
BUD		94	262	E Sg		2302	12.20	-0.95							
LTVH		125	101	E Pn		2302	05.10	0.48							
LTVH		125	101	E Sn		2302	21.60	0.04							
VYHS		146	313	E Pn		2302	06.70	-0.56							
VYHS		146	313	E Sn		2302	24.50	-1.77							
CSKK		154	260	E Pn	D	2302	08.90	0.67							
CSKK		154	260	E Sn		2302	27.60	-0.40							
TRPA		179	71	E Pn	D	2302	11.70	0.28							
TRPA		179	71	E Sn		2302	33.40	-0.27							
LANS		182	341	E Pn		2302	14.10	2.31							
LANS		182	341	E Sn		2302	34.00	-0.32							
TIH		196	247	E Pn		2302	16.60	3.09							
TIH		196	247	E Sn		2302	40.50	3.11							
DRGR		205	116	I Pn	D	2302	13.40	-1.25							
BZS		243	155	I Pn		2302	16.50	-2.87							
GZR		311	142	I Pn		2302	25.80	-2.09							

**April 22 2013**      Hour: 23:24:24.3      Lat: 47.595°N      Lon: 20.273°E      Depth: 7.1 km  
**Magnitude: 2.2ML**      Rms: 0.98 s      Gap: 92°      Erh: 3.4 km      Erz: 3.2 km  
**Locality: Heves**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		45	322	E Pg	C	2324	32.30	-0.27							
PSZ		45	322	E Sg		2324	38.10	-0.92							
BUD		94	262	E Pg		2324	42.40	1.12							

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BUD	94	262	E	Sg	2324	54.10	-0.43	
LTVH	124	101	E	Pn	C	2324	46.20	0.20
LTVH	124	101	E	Sn	2325	02.70	-0.23	
VYHS	146	313	E	Pn	2324	48.40	-0.30	
VYHS	146	313	E	Sn	2325	06.10	-1.62	
CSKK	153	260	E	Sn	2325	09.60	0.24	
TRPA	179	71	E	Pn	2324	53.80	0.96	
TRPA	179	71	E	Sn	2325	15.10	0.00	
SIRR	181	144	I	Pn	2324	52.30	-0.76	
LANS	182	341	E	Pn	2324	55.70	2.46	
LANS	182	341	E	Sn	2325	15.90	0.09	
TIH	196	247	E	Pn	C	2324	58.10	3.23
TIH	196	247	E	Sn	2325	22.80	4.08	
DRGR	205	116	I	Pn	D	2324	55.80	-0.22
BZS	242	155	I	Pn	2324	58.80	-1.91	
DEV	276	133	I	Pn	2325	04.70	-0.25	
GZR	311	142	I	Pn	2325	09.20	-0.04	

**April 24 2013**      Hour: 03:39:36.7      Lat: 47.612°N      Lon: 20.313°E      Depth: 1.0 km  
**Magnitude: 2.5ML**      Rms: 1.08 s      Gap: 91°      Erh: 3.1 km      Erz: 3.1 km  
**Locality: Heves**

Comments: felt, 3 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		46	317	E Pg	C	339	45.10	0.08							
PSZ		46	317	E Sg		339	51.00	-0.48							
BUD		98	262	E Pg		339	54.30	0.04							
BUD		98	262	E Sg		340	06.10	-1.83							
LTVH		122	102	E Sg		340	15.00	-0.60							
AMBH		143	167	E Sn		340	22.80	1.86							
VYHS		147	312	E Pn		340	03.50	1.46							
VYHS		147	312	E Sn		340	20.00	-1.77							
SRO		151	278	E Pn		340	02.70	0.13							
SRO		151	278	E Sn		340	20.90	-1.82							
CSKK		157	260	E Pn		340	03.90	0.65							
CSKK		157	260	E Sn		340	24.40	0.48							
TRPA		176	71	I Pn		340	06.20	0.57							
TRPA		176	71	E Pn		340	06.50	0.87							
TRPA		176	71	E Sn		340	27.50	-0.65							
SIRR		181	146	I Pn	D	340	05.10	-1.15							
LANS		182	340	E Pn		340	07.70	1.33							
LANS		182	340	E Sn		340	28.40	-1.08							
TIH		199	247	E Pn	C	340	10.90	2.37							
TIH		199	247	E Sn		340	35.80	2.47							
DRGR		203	117	I Pn	D	340	08.10	-0.90							
MODS		241	291	E Sn		340	40.30	-2.43							
BZS		243	156	I Pn	D	340	13.20	-0.78							
DEV		275	134	I Pn	D	340	17.40	-0.65							
GZR		310	143	I Pn	D	340	22.40	0.00							
MDVR		332	161	I Pn		340	24.50	-0.63							
ARR		415	127	I Pn	D	340	35.10	-0.31							

**April 24 2013**      Hour: 10:05:14.6      Lat: 48.846°N      Lon: 20.198°E      Depth: 2.0 km  
**Magnitude: 2.1ML**      Rms: 0.48 s      Gap: 250°      Erh: 1.3 km      Erz: 50.9 km  
**Locality: Slovakia**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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LANS	63	302	E Pg	1005	25.90	0.05
LANS	63	302	E Sg	1005	33.60	-1.06
PSZ	105	192	E Pg	C 1005	33.50	0.10
PSZ	105	192	E Sg	1005	47.80	-0.30
VYHS	107	249	E Pg	1005	34.50	0.73
VYHS	107	249	E Sg	1005	49.00	0.23

**April 24 2013**      Hour: 15:53:58.5      Lat: 47.667°N      Lon: 20.318°E      Depth: 10.0 km  
**Magnitude: 1.9ML**      Rms: 0.36 s      Gap: 190°      Erh: — km      Erz: — km  
**Locality: Erdőtelek**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TENK		2	121	E Pg		1554	00.00	-0.40							
TENK		2	121	E Sg		1555	02.10	0.26							
PSZ		42	311	E Pg		1554	06.70	0.39							
PSZ		42	311	E Sg		1554	12.10	-0.26							

**April 24 2013**      Hour: 21:02:37.1      Lat: 47.595°N      Lon: 20.250°E      Depth: 5.8 km  
**Magnitude: 1.3ML**      Rms: 0.23 s      Gap: 275°      Erh: — km      Erz: — km  
**Locality: Heves**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TENK		9	48	E Pg	D	2102	38.90	-0.23							
TENK		9	48	E Sg		2102	40.90	0.18							
PSZ		44	323	E Pg		2102	45.40	0.25							
PSZ		44	323	E Sg		2102	51.20	-0.23							

**April 24 2013**      Hour: 22:39:35.9      Lat: 47.570°N      Lon: 20.237°E      Depth: 7.0 km  
**Magnitude: 1.8ML**      Rms: 0.30 s      Gap: 177°      Erh: 10.9 km      Erz: 14.1 km  
**Locality: Jászszentandrás**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TENK		12	42	E Pg	D	2239	38.40	-0.10							
TENK		12	42	E Sg		2239	40.50	0.00							
PSZ		46	326	E Pg	D	2239	44.80	0.47							
PSZ		46	326	E Sg		2239	50.50	-0.38							
MORH		193	219	E Pn	C	2240	06.10	-0.09							
MORH		193	219	E Sn		2240	29.40	-0.39							

**April 24 2013**      Hour: 23:02:17.7      Lat: 47.667°N      Lon: 20.077°E      Depth: 10.0 km  
**Magnitude: 1.1ML**      Rms: 0.90 s      Gap: 240°      Erh: — km      Erz: — km  
**Locality: Nagyfüged**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TENK		20	94	E Pg		2302	22.30	0.54							
TENK		20	94	E Sg		2302	24.30	-0.63							
PSZ		31	334	E Pg		2302	22.60	-0.93							
PSZ		31	334	E Sg		2302	29.60	1.51							

**April 25 2013**      Hour: 13:42:30.4      Lat: 47.651°N      Lon: 20.311°E      Depth: 10.0 km  
**Magnitude: 1.8ML**      Rms: 0.23 s      Gap: 231°      Erh: — km      Erz: — km  
**Locality: Tenk**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TENK		2	82	E Pg	D	1342	32.00	-0.26							
TENK		2	82	E Sg		1342	34.00	0.29							
PSZ		43	314	E Pg	C	1342	38.50	0.20							
PSZ		43	314	E Sg		1342	44.30	-0.17							

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<b>April 26 2013</b>	<b>Hour:</b> 09:14:19.4	<b>Lat:</b> 47.653°N	<b>Lon:</b> 20.303°E	<b>Depth:</b> 10.0 km
<b>Magnitude:</b> 2.0ML	<b>Rms:</b> 0.21 s	<b>Gap:</b> 226°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Erdőtelek			<b>Comments:</b>	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 3 88 E Pg	C 914 21.00	-0.23		
TENK 3 88 E Sg	914 23.00	0.29		
PSZ 42 314 E Pg	914 27.30	0.16		
PSZ 42 314 E Sg	914 33.10	-0.13		
<b>April 26 2013</b>	<b>Hour:</b> 18:57:23.9	<b>Lat:</b> 47.667°N	<b>Lon:</b> 20.322°E	<b>Depth:</b> 7.8 km
<b>Magnitude:</b> 1.5ML	<b>Rms:</b> 0.39 s	<b>Gap:</b> 186°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Tenk			<b>Comments:</b>	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 2 125 E Pg	D 1857 25.00	-0.36		
TENK 2 125 E Sg	1857 26.90	0.40		
PSZ 42 311 E Pg	1857 32.00	0.38		
PSZ 42 311 E Sg	1857 37.20	-0.44		
<b>April 27 2013</b>	<b>Hour:</b> 04:58:49.8	<b>Lat:</b> 47.564°N	<b>Lon:</b> 20.221°E	<b>Depth:</b> 4.1 km
<b>Magnitude:</b> 1.3ML	<b>Rms:</b> 0.08 s	<b>Gap:</b> 285°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Jászszentandrás			<b>Comments:</b>	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 13 44 E Pg	D 458 52.30	-0.06		
TENK 13 44 E Sg	458 54.40	0.03		
PSZ 46 328 E Pg	458 58.20	0.10		
PSZ 46 328 E Sg	459 04.50	-0.09		
<b>April 28 2013</b>	<b>Hour:</b> 01:12:40.8	<b>Lat:</b> 47.332°N	<b>Lon:</b> 18.202°E	<b>Depth:</b> 8.1 km
<b>Magnitude:</b> 1.5ML	<b>Rms:</b> 1.01 s	<b>Gap:</b> 164°	<b>Erh:</b> 5.9 km	<b>Erz:</b> 3.0 km
<b>Locality:</b> Bodajk			<b>Comments:</b>	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
CSKK 5 52 E Pg	C 112 42.60	0.06		
CSKK 5 52 E Sg	112 42.90	-1.00		
SR02 50 17 E Pg	112 51.40	1.57		
SR02 50 17 E Sg	112 56.60	-0.28		
BUD 64 75 E Sg	113 00.90	-0.47		
MORH 128 165 E Pn	113 03.60	0.77		
MORH 128 165 E Sn	113 19.30	-0.72		
MODS 134 329 E Sn	113 20.00	-1.41		
VYHS 137 20 E Pn	113 05.70	1.76		
VYHS 137 20 E Sn	113 20.70	-1.31		
<b>April 28 2013</b>	<b>Hour:</b> 07:01:34.3	<b>Lat:</b> 47.573°N	<b>Lon:</b> 20.150°E	<b>Depth:</b> 7.7 km
<b>Magnitude:</b> 1.5ML	<b>Rms:</b> 0.12 s	<b>Gap:</b> 270°	<b>Erh:</b> 3.1 km	<b>Erz:</b> 1.4 km
<b>Locality:</b> Jászszentandrás			<b>Comments:</b> felt, 3-4 EMS	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
PSZ 42 333 E Pg	701 42.20	0.07		
PSZ 42 333 E Sg	701 48.10	-0.11		
VYHS 141 316 E Pn	701 57.90	-0.16		
VYHS 141 316 E Sn	702 16.80	0.24		
KOLS 218 46 E Pn	702 10.70	3.07		
KOLS 218 46 E Sn	702 33.60	0.00		

<b>April 29 2013</b>	<b>Hour:</b> 13:58:04.1	<b>Lat:</b> 47.681°N	<b>Lon:</b> 20.325°E	<b>Depth:</b> 10.0 km
<b>Magnitude:</b> 2.0ML	<b>Rms:</b> 0.26 s	<b>Gap:</b> 159°	<b>Erh:</b> 2.0 km	<b>Erz:</b> 1.3 km
<b>Locality:</b> Erdőtelek			<b>Comments:</b>	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 3 150 E Pg	1358 05.60	-0.36		
TENK 3 150 E Sg	1358 07.70	0.26		
PSZ 41 309 E Pg	1358 12.00	0.28		
PSZ 41 309 E Sg	1358 17.50	-0.19		
KECS 89 8 E Pg	1358 20.30	0.07		
KECS 89 8 E Sg	1358 32.80	-0.04		
VYHS 143 309 E Pn	1358 27.90	0.23		
VYHS 143 309 E Sn	1358 45.70	-0.37		
<b>May 02 2013</b>	<b>Hour:</b> 20:06:52.3	<b>Lat:</b> 47.572°N	<b>Lon:</b> 20.226°E	<b>Depth:</b> 0.9 km
<b>Magnitude:</b> 1.0ML	<b>Rms:</b> 0.63 s	<b>Gap:</b> 282°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Jászszentandrás			<b>Comments:</b>	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 12 45 E Pg	D 2006 54.20	-0.40		
TENK 12 45 I Sg	2006 56.30	-0.11		
PSZ 45 327 E Pg	D 2007 01.40	0.92		
PSZ 45 327 E Sg	2007 06.10	-0.77		
<b>May 03 2013</b>	<b>Hour:</b> 11:05:15.7	<b>Lat:</b> 48.954°N	<b>Lon:</b> 19.793°E	<b>Depth:</b> 0.0 km
<b>Magnitude:</b> 1.4ML	<b>Rms:</b> 0.77 s	<b>Gap:</b> 183°	<b>Erh:</b> 4.0 km	<b>Erz:</b> — km
<b>Locality:</b> Slovakia			<b>Comments:</b> probably explosion	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
LANS 32 312 E Pg	1105 21.60	0.18		
LANS 32 312 E Sg	1105 25.40	-0.52		
KECS 73 136 E Pg	1105 29.50	0.78		
KECS 73 136 E Sg	1105 38.40	-0.50		
VYHS 87 234 E Pg	1105 32.50	1.29		
VYHS 87 234 E Sg	1105 42.00	-1.34		
PSZ 115 176 E Pg	D 1105 36.70	0.42		
PSZ 115 176 E Sg	1105 51.60	-0.77		
<b>May 03 2013</b>	<b>Hour:</b> 17:52:38.0	<b>Lat:</b> 47.601°N	<b>Lon:</b> 20.229°E	<b>Depth:</b> 0.8 km
<b>Magnitude:</b> 1.3ML	<b>Rms:</b> 0.34 s	<b>Gap:</b> 268°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Heves			<b>Comments:</b>	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 10 57 E Pg	1752 39.50	-0.44		
TENK 10 57 I Sg	1752 41.50	0.06		
PSZ 43 325 E Pg	1752 46.30	0.56		
PSZ 43 325 E Sg	1752 51.60	-0.17		
<b>May 05 2013</b>	<b>Hour:</b> 20:58:48.1	<b>Lat:</b> 47.576°N	<b>Lon:</b> 20.225°E	<b>Depth:</b> 0.7 km
<b>Magnitude:</b> 1.3ML	<b>Rms:</b> 0.18 s	<b>Gap:</b> 280°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Jászszentandrás			<b>Comments:</b>	
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 12 47 E Pg	C 2058 50.20	-0.13		
TENK 12 47 I Sg	2058 52.20	0.10		
PSZ 45 327 E Pg	C 2058 56.50	0.33		
PSZ 45 327 E Sg	2059 02.30	-0.18		

CHAPTER 1. LOCAL EARTHQUAKES

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<b>May 05 2013</b>	<b>Hour:</b> 23:15:30.3	<b>Lat:</b> 47.578°N	<b>Lon:</b> 20.230°E	<b>Depth:</b> 1.0 km
<b>Magnitude:</b> 1.0ML	<b>Rms:</b> 0.12 s	<b>Gap:</b> 280°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Jászszentandrás				
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 12 46 E Pg D	2315 32.40	-0.14		
TENK 12 46 I Sg	2315 34.30	0.05		
PSZ 45 326 E Pg D	2315 38.60	0.15		
PSZ 45 326 E Sg	2315 44.60	-0.18		
<b>May 08 2013</b>	<b>Hour:</b> 20:49:15.0	<b>Lat:</b> 47.566°N	<b>Lon:</b> 20.245°E	<b>Depth:</b> 1.3 km
<b>Magnitude:</b> 1.7ML	<b>Rms:</b> 0.20 s	<b>Gap:</b> 288°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Jászszentandrás				
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 12 38 E Pg D	2049 17.00	-0.20		
TENK 12 38 I Sg	2049 19.10	0.15		
PSZ 47 326 E Pg D	2049 23.60	0.22		
PSZ 47 326 E Sg	2049 29.70	-0.25		
<b>May 09 2013</b>	<b>Hour:</b> 01:42:18.7	<b>Lat:</b> 47.585°N	<b>Lon:</b> 20.229°E	<b>Depth:</b> 0.3 km
<b>Magnitude:</b> 1.2ML	<b>Rms:</b> 0.23 s	<b>Gap:</b> 277°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Jászszentandrás				
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 11 49 E Pg D	142 20.60	-0.24		
TENK 11 49 I Sg	142 22.60	0.11		
PSZ 44 326 E Pg D	142 27.00	0.28		
PSZ 44 326 E Sg	142 32.70	-0.25		
<b>May 12 2013</b>	<b>Hour:</b> 07:47:22.8	<b>Lat:</b> 47.567°N	<b>Lon:</b> 20.222°E	<b>Depth:</b> 1.2 km
<b>Magnitude:</b> 0.7ML	<b>Rms:</b> 0.15 s	<b>Gap:</b> 284°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Jászszentandrás				
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 13 44 E Pg D	747 25.10	-0.11		
TENK 13 44 I Sg	747 27.20	0.08		
PSZ 46 328 E Pg	747 31.30	0.28		
PSZ 46 328 E Sg	747 37.30	-0.15		
<b>May 12 2013</b>	<b>Hour:</b> 21:10:47.1	<b>Lat:</b> 47.592°N	<b>Lon:</b> 20.224°E	<b>Depth:</b> 1.6 km
<b>Magnitude:</b> 1.1ML	<b>Rms:</b> 0.22 s	<b>Gap:</b> 272°	<b>Erh:</b> — km	<b>Erz:</b> — km
<b>Locality:</b> Jászszentandrás				
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
TENK 11 53 E Pg	2110 48.80	-0.36		
TENK 11 53 I Sg	2110 50.90	0.11		
PSZ 43 326 E Pg C	2110 55.10	0.19		
PSZ 43 326 E Sg	2111 00.80	-0.23		
<b>May 17 2013</b>	<b>Hour:</b> 06:58:01.5	<b>Lat:</b> 47.677°N	<b>Lon:</b> 16.151°E	<b>Depth:</b> 10.0 km
<b>Magnitude:</b> 1.8ML	<b>Rms:</b> 1.81 s	<b>Gap:</b> 85°	<b>Erh:</b> 6.1 km	<b>Erz:</b> 4.1 km
<b>Locality:</b> Austria				
STAT CO DIST AZI PHASE	P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT		
SOP 30 89 E Pg	658 08.20	0.99		
SOP 30 89 E Sg	658 12.70	1.00		
ARSA 67 225 Pg	658 12.70	-0.85		
ARSA 67 225 Sg	658 20.40	-2.59		
ZST 91 51 E Pg	658 16.20	-1.71		
ZST 91 51 E Sg	658 28.40	-2.35		

MODS	114	47	E Pn	658	20.30	-1.17
MODS	114	47	E Sn	658	34.90	-2.17
SMOL	133	46	E Sn	658	41.60	0.35
KOGS	136	177	I Pn	658	27.30	3.02
KOGS	136	177	I Sn	658	41.90	-0.17
PERS	139	214	I Pn	658	25.10	0.45
PERS	139	214	I Sn	658	39.80	-2.94
GROS	143	200	I Pn	658	26.20	1.04
TREC	186	345	E Sn	658	52.00	-1.09
MOZS	201	220	I Pn	658	35.90	3.59
VYHS	219	66	E Pn	658	35.70	1.09
VYHS	219	66	E Sn	658	58.40	-2.07
KHC	249	310	E Pn	658	41.10	2.73
KHC	249	310	E Sn	659	07.80	0.64
MORH	249	131	E Pn	D	658	39.00
						0.63

May 18 2013      Hour: 20:34:19.9      Lat: 47.646°N      Lon: 20.292°E      Depth: 10.0 km

Magnitude: 2.9ML      Rms: 0.94 s      Gap: 90°      Erh: 2.8 km      Erz: 2.6 km

Locality: Heves

Comments: felt, 4-5 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		42	315	E Pg	D	2034	27.80	0.09							
KECS		94	9	E Pg		2034	36.10	-0.73							
KECS		94	9	E Sg		2034	48.80	-1.23							
LTVH		124	103	E Pn		2034	40.80	-0.40							
LTVH		124	103	E Sn		2034	58.20	0.40							
SR02		143	275	E Pn		2034	43.00	-0.51							
SR02		143	275	E Sn		2035	00.90	-1.01							
VYHS		143	311	E Pn		2034	43.50	-0.10							
VYHS		143	311	E Sn		2035	01.60	-0.47							
SRO		149	277	E Pn		2034	45.00	0.68							
SRO		149	277	E Sn		2035	03.40	0.03							
CSKK		156	258	E Pn		2034	45.40	0.25							
CSKK		156	258	E Sn		2035	03.90	-0.94							
TRPA		176	72	E Pn	D	2034	46.60	-1.07							
TRPA		176	72	E Sn		2035	10.30	0.98							
LANS		178	340	E Pn		2034	50.30	2.42							
LANS		178	340	E Sn		2035	11.40	1.71							
SIRR		185	146	I Pn	D	2034	48.20	-0.56							
TIH		199	245	E Pn	D	2034	53.90	3.35							
TIH		199	245	E Sn		2035	18.90	4.44							
KOLS		205	46	E Pn		2034	53.00	1.75							
KOLS		205	46	E Sn		2035	14.60	-1.10							
DRGR		206	117	I Pn	D	2034	51.50	0.10							
BMR		240	89	I Pn		2034	56.80	1.12							
BZS		247	156	I Pn		2034	56.10	-0.40							
CJR		271	112	I Pn		2035	01.10	1.62							
SOP		280	271	E Pn	D	2034	59.20	-1.44							
SOP		280	271	E Sn		2035	30.50	-1.91							
MORC		311	320	I Pn	D	2035	04.70	0.17							
ARCR		313	101	I Pn	D	2035	06.10	1.40							
GZR		314	143	I Pn	D	2035	05.10	0.19							
VRAC		330	304	I Pn		2035	05.80	-1.03							
CONA		333	275	Pn		2035	07.00	-0.24							
CONA		333	275	Sn		2035	42.40	-1.76							

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LOT	361	132	I	Pn	2035	10.60	-0.16
ARSA	362	263		Pn	2035	11.30	0.45
ARSA	362	263		Sn	2035	49.00	-1.58
KRLC	373	316	E	Pn	2035	13.00	0.78
DPC	418	316	E	Pn	2035	18.10	0.29
DPC	418	316	E	Sn	2036	00.80	-2.17
MOA	452	273		Pn	2035	22.70	0.61
KBA	528	263		Pn	2035	32.40	0.82

**May 18 2013**      Hour: 22:25:16.9      Lat: 48.132°N      Lon: 20.851°E      Depth: 8.3 km

Magnitude: 1.7ML      Rms: 0.37 s      Gap: 125°      Erh: 1.9 km      Erz: 1.7 km

Locality: Onga

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		47	325	E Pg		2225	25.80	0.22							
KECS		47	325	E Sg		2225	31.90	-0.41							
PSZ		75	252	E Pg	C	2225	30.40	-0.07							
LTVH		114	137	E Sn		2225	53.50	0.54							
TRPA		125	90	E Pn	D	2225	38.50	-0.09							
TRPA		125	90	E Sn		2225	53.90	-1.56							
LANS		152	318	E Pn		2225	43.20	1.27							
LANS		152	318	E Sn		2226	01.00	-0.42							
VYHS		154	285	E Pn		2225	42.30	0.07							
VYHS		154	285	E Sn		2226	01.70	-0.25							
DRGR		204	137	I Pn		2225	48.30	-0.13							
SIRR		216	164	I Pn		2225	49.60	-0.27							

**May 22 2013**      Hour: 10:55:43.2      Lat: 48.374°N      Lon: 19.825°E      Depth: 0.0 km

Magnitude: 1.8ML      Rms: 0.40 s      Gap: 106°      Erh: 1.6 km      Erz: — km

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		50	76	E Pg		1055	52.00	-0.21							
KECS		50	76	E Sg		1055	58.80	-0.42							
PSZ		50	174	E Pg	D	1055	52.50	0.19							
PSZ		50	174	E Sg		1055	59.40	-0.01							
VYHS		74	280	E Pg		1055	56.90	0.40							
VYHS		74	280	E Sg		1056	06.30	-0.56							
LANS		90	343	E Pg		1056	00.20	0.87							
LANS		90	343	E Sg		1056	11.60	-0.30							

**May 24 2013**      Hour: 18:54:55.0      Lat: 47.694°N      Lon: 20.308°E      Depth: 4.3 km

Magnitude: 1.8ML      Rms: 1.29 s      Gap: 138°      Erh: 6.0 km      Erz: 5.5 km

Locality: Erdőtelek

Comments: felt, 4 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		39	309	E Pg		1855	01.70	-0.48							
PSZ		39	309	E Sg		1855	07.40	-0.35							
KECS		88	9	E Pg		1855	11.50	0.60							
KECS		88	9	E Sg		1855	22.70	-0.57							
VYHS		141	309	E Pn		1855	18.30	-0.82							
VYHS		141	309	E Sn		1855	35.70	-2.20							
CSKK		158	257	E Pn	D	1855	23.20	1.92							
CSKK		158	257	E Sn		1855	41.60	-0.15							
LANS		173	339	E Pn		1855	24.40	1.26							
LANS		173	339	E Sn		1855	45.40	0.33							
TRPA		173	74	E Pn	D	1855	23.40	0.23							

TRPA	173	74	E Sn	1855	44.80	-0.32
KOLS	200	47	E Pn	1855	29.60	3.08
DRGR	207	119	I Pn	D	1855	25.10

**May 29 2013**      Hour: 11:42:50.3      Lat: 48.265°N      Lon: 21.219°E      Depth: 1.2 km

Magnitude: 1.3ML      Rms: 0.14 s      Gap: 202°      Erh: 3.1 km      Erz: — km

Locality: Abaújszántó

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		59	294	E Pg		1143	00.70		-0.17						
KECS		59	294	E Sg		1143	09.30		0.15						
PSZ		105	249	E Pg		1143	09.30		0.13						
PSZ		105	249	E Sg		1143	23.80		-0.12						
KOLS		107	46	E Pg		1143	09.60		0.15						
KOLS		107	46	E Sg		1143	24.30		-0.13						

**May 31 2013**      Hour: 09:15:44.8      Lat: 48.634°N      Lon: 20.768°E      Depth: 0.0 km

Magnitude: 1.4ML      Rms: 0.59 s      Gap: 278°      Erh: 5.5 km      Erz: 3.7 km

Locality: Slovakia

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		26	231	E Pg		915	49.70		0.16						
KECS		26	231	E Sg		915	53.30		0.04						
PSZ		102	219	E Pg		916	02.20		-0.90						
PSZ		102	219	E Sg		916	17.50		0.11						
LANS		111	301	E Pg		916	05.40		0.75						
LANS		111	301	E Sg		916	19.80		-0.35						
VYHS		143	264	E Pn		916	10.70		1.01						
VYHS		143	264	E Sn		916	28.40		-0.72						

**June 01 2013**      Hour: 02:48:00.8      Lat: 47.794°N      Lon: 18.032°E      Depth: 10.0 km

Magnitude: 1.0ML      Rms: 0.55 s      Gap: 143°      Erh: 2.3 km      Erz: 8.3 km

Locality: Komárom

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO		21	84	E Pg		248	05.50		0.56						
SRO		21	84	E Sg		248	08.60		0.40						
SR02		27	97	E Pg		248	05.30		-0.66						
SR02		27	97	E Sg		248	09.50		-0.52						
CSKK		50	160	E Pg	D	248	10.00		-0.02						
CSKK		50	160	E Sg		248	17.00		-0.25						
ZST		82	303	E Pg		248	16.00		0.40						
ZST		82	303	E Sg		248	27.10		-0.08						
MODS		85	319	E Pg		248	16.50		0.37						
MODS		85	319	E Sg		248	26.60		-1.52						
VYHS		98	38	E Pg		248	18.90		0.52						
VYHS		98	38	E Sg		248	30.70		-1.42						

**June 03 2013**      Hour: 09:00:30.4      Lat: 48.620°N      Lon: 20.566°E      Depth: 0.0 km

Magnitude: 1.5ML      Rms: 0.37 s      Gap: 255°      Erh: 3.2 km      Erz: 525 km

Locality: Slovakia

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		16	201	E Pg		900	32.50		-0.85						
KECS		16	201	E Sg		900	36.20		0.57						
PSZ		92	213	E Pg	C	900	47.10		0.14						
PSZ		92	213	E Sg		900	59.90		0.04						
LANS		99	306	E Pg		900	48.20		-0.04						
LANS		99	306	E Sg		901	02.50		0.36						

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VYHS	128	264	E Pg	900	53.10	-0.26
VYHS	128	264	E Sg	901	10.90	-0.35

**June 03 2013**      **Hour: 12:30:33.4**    **Lat: 48.378°N**    **Lon: 19.834°E**    **Depth: 0.2 km**  
**Magnitude: 1.8ML**    **Rms: 0.34 s**      **Gap: 105°**      **Erh: 0.9 km**    **Erz: — km**

**Locality: Slovakia**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		49	76	E Pg		1230	42.30		0.01						
KECS		49	76	E Sg		1230	48.90		-0.30						
PSZ		51	175	E Pg	C	1230	42.60		0.01						
PSZ		51	175	E Sg		1230	49.50		-0.24						
VYHS		75	280	E Pg		1230	47.20		0.38						
VYHS		75	280	E Sg		1230	56.80		-0.47						
LANS		90	343	E Pg		1230	50.40		0.88						
LANS		90	343	E Sg		1231	02.10		0.04						

**June 03 2013**      **Hour: 21:23:06.1**    **Lat: 47.667°N**    **Lon: 20.333°E**    **Depth: 0.8 km**  
**Magnitude: 2.2ML**    **Rms: 0.97 s**      **Gap: 96°**      **Erh: 3.2 km**    **Erz: 3.1 km**

**Locality: Tenk**

**Comments: felt, 3-4 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		43	310	E Pg	C	2123	14.20		0.35						
PSZ		43	310	E Sg		2123	20.00		0.14						
KECS		91	7	E Pg		2123	22.50		0.02						
KECS		91	7	E Sg		2123	35.20		-0.02						
BUD		100	258	E Pg		2123	22.80		-1.30						
BUD		100	258	E Sg		2123	34.60		-3.52						
VYHS		144	310	E Pn		2123	30.50		-0.60						
VYHS		144	310	E Sn		2123	48.50		-2.07						
AMBH		149	168	E Pn		2123	32.50		0.81						
AMBH		149	168	E Sn		2123	51.40		-0.23						
CSKK		159	258	E Sn		2123	53.80		-0.13						
TRPA		172	73	E Pn		2123	35.50		0.88						
TRPA		172	73	E Sn		2123	56.80		-0.03						
LANS		177	339	E Pn		2123	36.90		1.76						
LANS		177	339	E Sn		2123	57.50		-0.26						
KOLS		201	46	E Pn		2123	37.90		-0.28						
KOLS		201	46	E Sn		2124	01.10		-2.07						
TIH		203	245	E Sn		2124	05.50		1.89						

**June 04 2013**      **Hour: 07:13:23.2**    **Lat: 47.355°N**    **Lon: 18.292°E**    **Depth: 10.0 km**  
**Magnitude: 2.2ML**    **Rms: 0.97 s**      **Gap: 135°**      **Erh: 3.2 km**    **Erz: 1.7 km**

**Locality: Csákberény**

**Comments: felt, 3 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		2	291	E Pg	C	713	24.50		-0.55						
CSKK		2	291	E Sg		713	25.20		-1.29						
SR02		46	10	E Pg		713	31.50		-0.11						
SR02		46	10	E Sg		713	38.50		0.33						
SRO		51	2	E Pg		713	34.10		1.61						
SRO		51	2	E Sg		713	41.70		1.97						
BUD		57	75	E Pg	D	713	33.00		-0.55						
BUD		57	75	E Sg		713	40.70		-0.91						
TIH		58	211	E Pg	C	713	33.50		-0.38						
ZST		129	316	E Pn		713	44.80		-0.27						
ZST		129	316	E Sn		714	00.80		-1.33						

VYHS	133	18	E Pn	713	46.50	0.95
VYHS	133	18	E Sn	714	03.00	0.02
SOP	135	286	E Sn	714	03.40	-0.15
PSZ	135	63	E Pn	713	46.30	0.42
PSZ	135	63	E Sn	714	03.10	-0.48
MODS	136	326	E Pn	713	45.50	-0.46
MODS	136	326	E Sn	714	02.10	-1.62
BEHE	151	230	E Pn	D	713	50.30
BEHE	151	230	E Sn		714	10.60
						3.48

June 05 2013      Hour: 18:45:46.3      Lat: 47.988°N      Lon: 19.225°E      Depth: 4.8 km

Magnitude: 4.1ML      Rms: 0.73 s      Gap: 47°      Erh: 1.4 km      Erz: 1.5 km

Locality: Érsekvadkert      Comments: felt, 5-6 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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PSZ	50	99	E Pg	C	1845	55.60	0.20
PSZ	50	99	E Sg		1846	01.70	-0.78
BUD	58	195	E Pg	D	1845	56.90	0.18
BUD	58	195	E Sg		1846	04.50	-0.34
VYHS	63	333	E Pg	C	1845	58.40	0.76
VYHS	63	333	E Sg		1846	06.30	-0.18
SR02	67	248	E Pg		1845	57.80	-0.52
SR02	67	248	E Sg		1846	06.50	-1.17
SRO	70	254	E Pg	D	1845	59.40	0.40
SRO	70	254	E Sg		1846	08.60	-0.30
CSKK	100	226	E Pg	D	1846	04.10	-0.16
CSKK	100	226	E Sg		1846	18.80	0.55
KECS	108	60	E Pg		1846	04.80	-0.94
KECS	108	60	E Sg		1846	17.80	-3.09
LANS	130	8	E Pn		1846	09.60	0.59
LANS	130	8	E Sn		1846	25.70	-1.00
MODS	151	286	E Pn		1846	10.60	-0.97
MODS	151	286	E Sn		1846	31.00	-0.26
TIH	157	220	E Pn	D	1846	13.40	1.06
TIH	157	220	E Sn		1846	34.90	2.26
ZST	159	278	E Pn		1846	11.80	-0.86
ZST	159	278	E Sn		1846	32.10	-1.10
SOP	202	260	E Pn	C	1846	18.30	0.32
SOP	202	260	E Sn		1846	41.30	-1.38
AMBH	214	148	E Pn		1846	20.00	0.49
AMBH	214	148	E Sn		1846	44.10	-1.30
STHS	217	43	E Pn		1846	21.10	1.24
STHS	217	43	E Sn		1846	50.20	4.18
OKC	220	339	E Pn	C	1846	21.40	1.19
OKC	220	339	E Sn		1846	45.60	-1.04
MORC	234	328	I Pn	C	1846	22.80	0.88
VRAC	243	307	I Pn	C	1846	23.50	0.44
TRPA	247	86	E Pn	C	1846	23.30	-0.30
KOLS	248	65	E Pn	D	1846	23.90	0.15
BEHE	250	228	E Pn	D	1846	25.40	1.40
BEHE	250	228	E Sn		1846	58.20	4.80
CONA	251	268	Pn		1846	24.30	0.25
CONA	251	268	Sn		1846	52.50	-0.99
SIRR	265	136	I Pn		1846	25.70	-0.19
KOGS	283	233	I Pn		1846	28.60	0.58

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ARSA	290	254	Pn	C	1846	29.60	0.69	
ARSA	290	254	Sn		1847	03.20	1.07	
DRGR	294	117	I	Pn	C	1846	29.50	-0.01
TREC	311	298	E	Pn		1846	32.30	0.73
BZS	320	145	I	Pn	C	1846	32.80	0.08
BMR	321	96	I	Pn		1846	33.80	0.94
DPC	337	321	E	Pn		1846	35.90	1.10
SOKA	348	245	Pn			1846	36.90	0.68
SOKA	348	245	Sn			1847	13.20	-1.94
GOLS	351	231	I	Pn		1846	36.90	0.38
CJR	359	113	I	Pn		1846	37.80	0.23
DEV	365	130	I	Pn	C	1846	38.30	0.06
UPC	365	320	E	Pn		1846	39.30	1.05
UPC	365	320	E	Sn		1847	27.70	8.95
MOA	371	268	Pn	C	1846	39.70	0.71	
MOA	371	268	Sn			1847	20.30	0.23
BLY	388	204	I	Pn		1846	42.10	0.88
GOPC	389	303	E	Pn		1846	41.60	0.33
GOPC	389	303	E	Sn		1847	22.30	-1.84
OBKA	390	245	Pn			1846	42.30	0.90
OBKA	390	245	Sn			1847	23.80	-0.57
GZR	396	137	I	Pn		1846	42.80	0.66
ARCR	399	105	I	Pn	C	1846	43.00	0.52
MDVR	404	152	I	Pn		1846	43.40	0.22
PRU	408	303	E	Pn		1846	44.10	0.41
PRU	408	303	E	Sn		1847	26.50	-1.93
KHC	435	287	E	Pn		1846	47.90	0.83
KHC	435	287	E	Sn		1847	33.10	-1.36
PVCC	441	310	E	Pn		1846	48.40	0.65
PVCC	441	310	E	Sn		1847	34.30	-1.37
MDB	442	118	I	Pn		1846	49.00	1.13
LOT	447	129	I	Pn		1846	48.70	0.14
MYKA	448	250	Pn			1846	49.70	1.06
MYKA	448	250	Sn			1847	35.30	-1.96
BURB	450	95	I	Pn		1846	50.20	1.26
KBA	454	257	Pn	C	1846	50.40	1.04	
KBA	454	257	Sn			1847	37.50	-1.04
ARR	506	125	I	Pn		1846	56.20	0.36

June 05 2013                  Hour: 20:46:37.5                  Lat: 47.979°N                  Lon: 19.267°E                  Depth: 5.2 km  
Magnitude: 1.7ML                  Rms: 0.74 s                  Gap: 100°                  Erh: 2.0 km                  Erz: 3.0 km  
Locality: Szente

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		47	98	E	Pg	C	2046	46.80		0.75					
PSZ		47	98	E	Sg		2046	53.10		0.41					
BUD		58	198	E	Sg		2046	56.00		-0.06					
VYHS		65	331	E	Pg		2046	50.00		0.70					
VYHS		65	331	E	Sg		2046	57.50		-0.97					
SR02		69	250	E	Pg		2046	49.20		-0.81					
SR02		69	250	E	Sg		2046	58.50		-1.23					
SRO		73	256	E	Pg		2046	51.60		0.87					
SRO		73	256	E	Sg		2047	00.10		-0.92					
CSKK		102	228	E	Pg	C	2046	56.10		0.32					
CSKK		102	228	E	Sg		2047	09.90		-0.11					

KECS	106	58	E Pg	2046	56.30	-0.28
KECS	106	58	E Sg	2047	09.80	-1.64
LANS	131	6	E Pn	2047	01.00	0.74
LANS	131	6	E Sn	2047	16.60	-1.38
MODS	154	287	E Pn	2047	03.70	0.54
MODS	154	287	E Sn	2047	23.00	-0.14

**June 05 2013**      Hour: 22:00:56.0      Lat: 47.990°N      Lon: 19.230°E      Depth: 0.6 km

Magnitude: 1.5ML      Rms: 0.60 s      Gap: 96°      Erh: 1.6 km      Erz: 2.7 km

Locality: Érsekvadkert

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		50	99	E Pg	C	2201	05.30	0.28							
PSZ		50	99	E Sg		2201	11.80	-0.22							
BUD		58	195	E Pg		2201	06.50	0.03							
BUD		58	195	E Sg		2201	13.90	-0.70							
VYHS		63	332	E Pg		2201	08.30	0.96							
VYHS		63	332	E Sg		2201	15.60	-0.55							
SR02		67	248	E Pg		2201	07.40	-0.69							
SR02		67	248	E Sg		2201	16.90	-0.59							
SRO		71	254	E Pg		2201	09.20	0.42							
SRO		71	254	E Sg		2201	18.30	-0.41							
CSKK		100	226	E Pg		2201	14.40	0.36							
CSKK		100	226	E Sg		2201	27.60	-0.48							
KECS		108	60	E Pg		2201	14.80	-0.57							
KECS		108	60	E Sg		2201	28.20	-2.25							
LANS		130	8	E Pn		2201	19.80	0.55							
LANS		130	8	E Sn		2201	35.00	-2.35							
MODS		151	286	E Pn		2201	22.20	0.32							
MODS		151	286	E Sn		2201	41.40	-0.64							
TIH		157	220	E Pn		2201	23.40	0.73							

**June 07 2013**      Hour: 03:05:35.8      Lat: 47.406°N      Lon: 17.951°E      Depth: 10.0 km

Magnitude: 1.2ML      Rms: 0.99 s      Gap: 150°      Erh: 4.8 km      Erz: 4.1 km

Locality: Ácsteszér

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		23	101	E Pg		305	39.80	-0.56							
CSKK		23	101	E Sg		305	42.90	-1.06							
SR02		51	40	E Pg		305	43.90	-1.27							
SR02		51	40	E Sg		305	52.30	-0.22							
SRO		52	31	E Pg		305	45.80	0.44							
SRO		52	31	E Sg		305	54.10	1.25							
TIH		56	184	E Pg	D	305	47.00	1.03							
TIH		56	184	E Sg		305	53.80	-0.15							
MODS		118	335	E Pn		305	56.90	0.58							
MODS		118	335	E Sn		306	11.00	-1.37							
VYHS		137	29	E Pn		305	59.70	1.01							
VYHS		137	29	E Sn		306	16.10	-0.50							
PSZ		156	69	E Sn		306	24.20	3.43							

**June 11 2013**      Hour: 05:31:25.5      Lat: 47.988°N      Lon: 19.233°E      Depth: 5.4 km

Magnitude: 2.3ML      Rms: 0.73 s      Gap: 94°      Erh: 1.9 km      Erz: 2.0 km

Locality: Csesztve      Comments: felt, 4 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		50	99	E Pg	C	531	35.10	0.58							

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PSZ	50	99	E Sg	531	41.90	0.37	
VYHS	63	332	E Pg	531	38.00	1.08	
VYHS	63	332	E Sg	531	45.40	-0.40	
SR02	67	248	E Pg	531	37.00	-0.65	
SR02	67	248	E Sg	531	46.80	-0.30	
SRO	71	254	E Pg	531	38.70	0.36	
SRO	71	254	E Sg	531	47.80	-0.53	
CSKK	100	226	E Pg	531	43.00	-0.57	
KECS	108	59	E Pg	531	44.60	-0.27	
KECS	108	59	E Sg	531	58.40	-1.54	
LANS	130	8	E Pn	531	49.10	0.96	
LANS	130	8	E Sn	532	04.60	-1.17	
MODS	151	286	E Pn	531	51.70	0.91	
MODS	151	286	E Sn	532	10.20	-0.29	
ZST	160	278	E Pn	531	52.40	0.51	
ZST	160	278	E Sn	532	12.10	-0.33	
MORH	202	193	E Pn	C	531	57.00	-0.08
OKC	220	339	E Sn	532	27.70	1.92	
KOLS	248	65	E Pn	532	09.10	6.27	
CONA	251	268	Pn	532	03.20	-0.08	
CONA	251	268	Sn	532	33.10	0.38	

**June 14 2013**      Hour: 06:35:52.8      Lat: 47.979°N      Lon: 19.263°E      Depth: 10.0 km  
**Magnitude: 1.5ML**      Rms: 0.97 s      Gap: 130°      Erh: 3.6 km      Erz: 4.0 km  
**Locality: Szente**      Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ	47	98	E Pg		636	01.70	0.25								
PSZ	47	98	E Sg		636	08.00	-0.23								
VYHS	65	331	E Pg		636	04.80	0.22								
VYHS	65	331	E Sg		636	12.80	-1.00								
SRO	73	255	E Sg		636	15.00	-1.29								
CSKK	101	228	E Pg		636	11.40	0.39								
CSKK	101	228	E Sg		636	25.00	-0.26								
KECS	106	58	E P*		636	11.00	-0.80								
KECS	106	58	E S*		636	24.90	-1.76								
LANS	131	7	E Pn		636	16.70	1.84								
LANS	131	7	E Sn		636	31.40	-0.70								
MODS	154	287	E Pn		636	19.00	1.28								
MODS	154	287	E Sn		636	35.80	-1.39								

**June 16 2013**      Hour: 00:10:31.4      Lat: 48.119°N      Lon: 22.281°E      Depth: 5.7 km  
**Magnitude: 1.8ML**      Rms: 0.75 s      Gap: 87°      Erh: 3.9 km      Erz: 4.3 km  
**Locality: Vásárosnamény**      Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TRPA	19	86	I Pg	D	010	35.30	0.30								
TRPA	19	86	E Sg		010	38.50	0.71								
KOLS	90	360	E Pg		010	47.50	-0.11								
KOLS	90	360	E Sg		010	59.30	-0.94								
BMR	103	119	I Pg		010	49.40	-0.54								
KECS	139	287	E Pn		010	53.70	-1.39								
KECS	139	287	E Sn		011	09.40	-4.15								
DRGR	151	168	I Pn	D	010	55.60	-0.97								
STHS	163	332	E Pn		010	58.60	0.53								
STHS	163	332	E Sn		011	18.70	-0.17								

PSZ	179	263	I	Pn	D	011	01.50	1.40
PSZ	179	263	E	Pn	D	011	00.30	0.20
PSZ	179	263	E	Sn		011	21.90	-0.58
CJR	185	148	I	Pn	D	011	00.80	-0.02
ARCR	193	126	I	Pn		011	02.10	0.23
SIRR	211	193	I	Pn	D	011	04.50	0.44
BURB	226	104	I	Pn		011	06.80	0.81
LANS	237	299	E	Pn		011	09.10	1.83
VYHS	259	279	E	Pn		011	08.40	-1.61

**June 16 2013**      Hour: 15:10:26.5      Lat: 47.982°N      Lon: 19.243°E      Depth: 10.0 km

Magnitude: 2.0ML      Rms: 0.87 s      Gap: 151°      Erh: 3.5 km      Erz: 3.3 km

Locality: Csesztve

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		49	98	E Pg	C	1510	35.70	0.26							
PSZ		49	98	E Sg		1510	42.00	-0.43							
VYHS		64	332	E Pg		1510	38.70	0.58							
VYHS		64	332	E Sg		1510	46.10	-1.11							
SR02		68	249	E Sg		1510	47.20	-1.12							
SRO		72	255	E Pg		1510	40.00	0.55							
SRO		72	255	E Sg		1510	49.40	-0.17							
KECS		107	59	E Pn		1510	45.10	-0.58							
KECS		107	59	E Sn		1510	58.50	-2.16							
LANS		131	7	E Pn		1510	49.90	1.33							
LANS		131	7	E Sn		1511	05.50	-0.30							
MODS		152	287	E Pn		1510	52.40	1.15							
MODS		152	287	E Sn		1511	10.80	0.23							
SOP		203	261	E Sn		1511	08.40	-13.52							

**June 19 2013**      Hour: 06:25:48.6      Lat: 47.869°N      Lon: 18.485°E      Depth: 10.0 km

Magnitude: 2.1ML      Rms: 0.93 s      Gap: 79°      Erh: 2.9 km      Erz: 2.3 km

Locality: Slovakia

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SR02		13	210	E Pg		625	50.70	-0.92							
SR02		13	210	E Sg		625	53.10	-0.88							
SRO		14	244	E Pg		625	52.50	0.79							
SRO		14	244	E Sg		625	55.90	1.76							
CSKK		58	197	E Pg	C	625	59.00	-0.24							
BUD		58	137	E Pg	C	625	59.50	0.23							
VYHS		74	21	E Pg		626	02.50	0.53							
VYHS		74	21	E Sg		626	11.30	-1.10							
PSZ		105	87	E P*		626	05.70	-1.76							
MODS		106	302	E P*		626	07.80	0.27							
MODS		106	302	E S*		626	21.20	-1.10							
ZST		109	289	E Pn		626	08.10	0.11							
ZST		109	289	E Sn		626	21.40	-1.71							
LANS		159	27	E Pn		626	16.20	1.91							
LANS		159	27	E Sn		626	37.00	2.66							
KECS		163	65	E Pn		626	14.90	0.14							
KECS		163	65	E Sn		626	35.10	-0.07							
MORH		184	176	E Pn	D	626	18.20	0.88							
MORH		184	176	E Sn		626	39.40	-0.32							

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<b>June 19 2013</b>	<b>Hour:</b> 11:22:40.2	<b>Lat:</b> 48.213°N	<b>Lon:</b> 19.775°E	<b>Depth:</b> 4.1 km
<b>Magnitude:</b> 1.2ML	<b>Rms:</b> 0.46 s	<b>Gap:</b> 129°	<b>Erh:</b> 1.3 km	<b>Erz:</b> 23.3 km
<b>Locality:</b> Slovakia	<b>Comments:</b>			
STAT CO DIST AZI PHASE P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT			
PSZ 33 165 E Pg 1122 46.50	0.17			
PSZ 33 165 E Sg 1122 50.50	-0.59			
KECS 60 60 E Pg 1122 51.30	0.22			
KECS 60 60 E Sg 1122 59.20	-0.34			
VYHS 76 294 E Pg 1122 54.80	0.92			
VYHS 76 294 E Sg 1123 04.20	-0.32			
<b>June 22 2013</b>	<b>Hour:</b> 10:09:00.3	<b>Lat:</b> 48.280°N	<b>Lon:</b> 19.683°E	<b>Depth:</b> 0.0 km
<b>Magnitude:</b> 1.5ML	<b>Rms:</b> 0.23 s	<b>Gap:</b> 168°	<b>Erh:</b> 3.0 km	<b>Erz:</b> — km
<b>Locality:</b> Slovakia	<b>Comments:</b> explosion (Vel'ké Dravce)			
STAT CO DIST AZI PHASE P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT			
PSZ 43 159 E Pg D 1009 07.70	-0.26			
PSZ 43 159 E Sg 1009 14.40	0.42			
VYHS 67 291 E Pg 1009 12.10	-0.13			
VYHS 67 291 E Sg 1009 21.70	0.13			
LANS 98 351 E Pg 1009 17.90	0.14			
<b>June 23 2013</b>	<b>Hour:</b> 03:47:21.1	<b>Lat:</b> 47.964°N	<b>Lon:</b> 19.225°E	<b>Depth:</b> 8.2 km
<b>Magnitude:</b> 2.3ML	<b>Rms:</b> 0.95 s	<b>Gap:</b> 57°	<b>Erh:</b> 1.9 km	<b>Erz:</b> 2.0 km
<b>Locality:</b> Szátok	<b>Comments:</b>			
STAT CO DIST AZI PHASE P HRMN SECON	TRES CODA AMPL PERI BAZ ARES VELO WT			
PSZ 50 96 E Pg C 347 30.30	0.14			
PSZ 50 96 E Sg 347 36.90	-0.35			
BUD 55 196 E Pg 347 31.10	0.02			
BUD 55 196 E Sg 347 38.40	-0.50			
VYHS 65 334 E Pg 347 32.80	-0.08			
VYHS 65 334 E Sg 347 40.70	-1.39			
SR02 66 250 E Pg 347 32.10	-0.86			
SR02 66 250 E Sg 347 40.70	-1.54			
SRO 70 256 E Pg 347 33.90	0.21			
SRO 70 256 E Sg 347 43.30	-0.24			
TENK 90 112 E Pg 347 37.90	0.54			
TENK 90 112 E Sg 347 51.00	0.93			
CSKK 98 227 E Pg D 347 38.60	-0.13			
CSKK 98 227 E Sg 347 53.90	1.40			
KECS 110 58 E Pn 347 39.70	-1.06			
KECS 110 58 E Sn 347 53.60	-2.53			
LANS 133 8 E Pn 347 44.20	0.55			
LANS 133 8 E Sn 348 00.00	-1.26			
MODS 151 287 E Pn 347 45.60	-0.38			
MODS 151 287 E Sn 348 05.00	-0.42			
ZST 160 279 E Pn 347 46.80	-0.23			
ZST 160 279 E Sn 348 06.90	-0.38			
MORH 199 193 E Pn D 347 52.10	0.21			
MORH 199 193 E Sn 348 13.40	-2.54			
SOP 202 261 E Pn D 347 57.50	5.25			
SOP 202 261 E Sn 348 21.50	4.93			
STHS 219 43 E Pn 347 58.50	4.09			
STHS 219 43 E Sn 348 24.70	4.27			
OKC 222 339 E Sn 348 22.30	1.14			

MORC	236	329	I	Pn	347	58.30	1.78
VRAC	244	308	I	Pn	347	58.70	1.12
TRPA	247	86	I	Pn	347	58.20	0.26
KOLS	249	64	E	Pn	347	59.00	0.79
CONA	251	269		Pn	347	59.20	0.83
SIRR	264	136	I	Pn	D	348 00.30	0.34
ARSA	289	254		Pn		348 04.20	1.07
DRGR	293	116	I	Pn		348 04.60	0.93
BZS	318	145	I	Pn		348 07.10	0.34
DPC	339	321	E	Sn		348 47.50	0.44
DEV	363	130	I	Pn		348 12.70	0.36
MOA	371	268		Pn		348 14.20	0.90
GZR	394	136	I	Pn		348 17.10	0.89
MDVR	402	152	I	Pn		348 17.70	0.50
KHC	436	287	E	Pn		348 23.50	2.01
KHC	436	287	E	Sn		349 08.50	-0.13
LOT	446	129	I	Pn		348 22.60	-0.07
BURB	450	95	I	Pn		348 24.00	0.77
MLR	582	118	I	Pn		348 40.20	0.51

**June 23 2013**      Hour: 15:47:52.6      Lat: 47.971°N      Lon: 19.250°E      Depth: 10.0 km

Magnitude: 2.1ML      Rms: 0.98 s      Gap: 100°      Erh: 3.1 km      Erz: 3.5 km

Locality: Szente

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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PSZ		48	97	E	Pg	1548	01.80	0.35
PSZ		48	97	E	Sg	1548	08.10	-0.25
BUD		56	197	E	Sg	1548	10.90	-0.02
VYHS		65	332	E	Pg	1548	04.90	0.42
VYHS		65	332	E	Sg	1548	12.20	-1.55
SR02		68	250	E	Sg	1548	13.20	-1.27
SRO		72	256	E	Pg	1548	06.50	0.89
SRO		72	256	E	Sg	1548	14.90	-0.86
KECS		108	58	E	Pn	1548	11.30	-0.53
KECS		108	58	E	Sn	1548	24.80	-2.03
LANS		132	7	E	Pn	1548	16.10	1.27
LANS		132	7	E	Sn	1548	31.60	-0.58
MODS		153	287	E	Pn	1548	18.80	1.32
MODS		153	287	E	Sn	1548	38.30	1.42
KHC		438	287	E	Pn	1548	54.10	1.11

**June 26 2013**      Hour: 09:31:21.8      Lat: 48.190°N      Lon: 19.078°E      Depth: 0.0 km

Magnitude: 1.4ML      Rms: 0.58 s      Gap: 216°      Erh: 5.9 km      Erz: — km

Locality: Slovakia

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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VYHS		38	332	E	Pg	931	28.70	0.02
VYHS		38	332	E	Sg	931	33.50	-0.52
PSZ		67	116	E	Pg	931	34.60	0.63
PSZ		67	116	E	Sg	931	42.50	-0.93
KECS		109	73	E	Pg	931	42.00	0.63
KECS		109	73	E	Sg	931	56.10	-0.50

**June 28 2013**      Hour: 08:37:18.0      Lat: 47.745°N      Lon: 16.148°E      Depth: 0.2 km

Magnitude: 1.3ML      Rms: 0.63 s      Gap: 149°      Erh: 2.9 km      Erz: 4.3 km

Locality: Austria

Comments:

## CHAPTER 1. LOCAL EARTHQUAKES

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STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CONA		29	314	Pg		837	23.30	0.00							
CONA		29	314	Sg		837	27.50	0.08							
SOP		31	103	E Pg	D	837	23.80	0.15							
SOP		31	103	E Sg		837	27.30	-0.74							
ARSA		72	221	Pg		837	31.10	0.15							
ARSA		72	221	Sg		837	40.50	-0.53							
MOA		141	275	Pn		837	42.90	0.22							
MOA		141	275	Sn		838	00.50	-1.41							
SOKA		145	215	Pn		837	44.80	1.61							

**July 01 2013**      Hour: 10:39:17.2      Lat: 48.104°N      Lon: 20.594°E      Depth: 6.2 km

Magnitude: 1.2ML      Rms: 0.05 s      Gap: 259°      Erh: 0.4 km      Erz: 0.2 km

Locality: Lillafüred

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		42	349	E Pg		1039	25.00	0.06							
KECS		42	349	E Sg		1039	30.90	-0.08							
PSZ		56	248	E Pg	C	1039	27.30	0.02							
PSZ		56	248	E Sg		1039	35.10	-0.04							
VYHS		137	288	E Sn		1039	58.80	-0.01							

**July 02 2013**      Hour: 11:45:13.8      Lat: 47.715°N      Lon: 18.455°E      Depth: 10.0 km

Magnitude: 1.7ML      Rms: 0.77 s      Gap: 109°      Erh: 2.7 km      Erz: 2.1 km

Locality: Süttő

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SR02		7	319	E Pg		1145	15.20	-0.78							
SRO		15	316	E Pg		1145	18.00	0.94							
SRO		15	316	E Sg		1145	21.20	1.60							
CSKK		41	201	E Pg	D	1145	21.70	0.24							
CSKK		41	201	E Sg		1145	26.00	-1.44							
BUD		49	121	E Pg		1145	23.60	0.72							
BUD		49	121	E Sg		1145	28.60	-1.37							
VYHS		91	18	E Pg		1145	29.80	-0.38							
VYHS		91	18	E Sg		1145	41.20	-1.75							
PSZ		110	78	E Pn	C	1145	33.70	0.42							
PSZ		110	78	E Sn		1145	48.00	-0.49							
MODS		114	310	E Pn		1145	34.00	0.19							
MODS		114	310	E Sn		1145	48.50	-0.93							
MORH		167	175	E Pn	D	1145	40.70	0.30							
MORH		167	175	E Sn		1145	59.60	-1.56							

**July 02 2013**      Hour: 19:07:32.0      Lat: 47.983°N      Lon: 19.215°E      Depth: 3.4 km

Magnitude: 3.4ML      Rms: 0.75 s      Gap: 57°      Erh: 1.5 km      Erz: 1.9 km

Locality: Érsekvadkert

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		51	98	E Pg	C	1907	41.30	0.15							
PSZ		51	98	E Sg		1907	47.80	-0.52							
BUD		57	194	E Pg	C	1907	42.50	0.26							
BUD		57	194	E Sg		1907	49.90	-0.36							
VYHS		63	334	E Pg		1907	43.90	0.59							
VYHS		63	334	E Sg		1907	51.90	-0.26							
SR02		66	248	E Pg		1907	43.10	-0.71							
SR02		66	248	E Sg		1907	52.20	-0.84							
TENK		92	113	E Pg	D	1907	48.90	0.41							

TENK	92	113	E Sg	1908	00.30	-1.07
CSKK	99	226	E Pg	1907	49.50	-0.25
CSKK	99	226	E Sg	1908	04.60	0.98
LANS	131	8	E Pn	1907	55.10	0.29
LANS	131	8	E Sn	1908	11.10	-1.52
MODS	150	287	E Pn	1907	56.40	-0.83
MODS	150	287	E Sn	1908	16.60	-0.33
TIH	156	220	E Pn	D	1907	59.10
TIH	156	220	E Sn		1908	20.60
ZST	159	279	E Pn		1907	57.40
ZST	159	279	E Sn		1908	17.40
MORH	201	192	E Pn	D	1908	03.10
MORH	201	192	E Sn		1908	23.60
SOP	201	260	E Pn		1908	04.00
SOP	201	260	E Sn		1908	26.20
AMBH	214	148	E Pn	D	1908	05.70
AMBH	214	148	E Sn		1908	39.50
MORC	234	328	I Pn	D	1908	09.10
VRAC	243	307	I Pn	D	1908	09.30
TRPA	248	86	E Pn	D	1908	09.00
TRPA	248	86	E Sn		1908	44.20
KOLS	249	65	E Pn		1908	09.00
BEHE	249	228	E Pn	D	1908	10.80
CONA	250	269	Pn		1908	09.90
SIRR	266	136	I Pn	D	1908	11.20
KOGS	282	233	I Pn		1908	14.60
ARSA	289	254	Pn		1908	15.10
TREC	311	298	E Pn		1908	17.80
BZS	320	145	I Pn		1908	18.30
BMR	322	96	I Pn		1908	17.70
DPC	337	321	E Pn		1908	21.40
DPC	337	321	E Sn		1908	56.80
SOKA	347	245	Pn		1908	22.40
SOKA	347	245	Sn		1908	59.40
CJR	360	113	I Pn	D	1908	23.70
UPC	365	320	E Pn		1908	24.20
UPC	365	320	E Sn		1909	02.40
MOA	370	268	Pn		1908	25.30
BLY	388	204	I Pn		1908	27.90
GOPC	389	304	E Pn		1908	27.30
OBKA	389	245	Pn		1908	28.40
GZR	396	137	I Pn	D	1908	28.50
ARCR	399	104	I Pn		1908	28.60
MDVR	404	152	I Pn	D	1908	28.80
PRU	408	303	E Pn		1908	30.40
PRU	408	303	E Sn		1909	11.90
KHC	435	287	E Pn		1908	33.30
KHC	435	287	E Sn		1909	18.60
PVCC	441	310	E Pn		1908	33.80
MDB	442	118	I Pn		1908	32.10
MYKA	447	250	Pn		1908	35.00
LOT	448	129	I Pn	D	1908	35.00
BURB	451	95	I Pn		1908	35.40

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KBA	453	257	Pn	1908	36.50	1.51
KBA	453	257	Sn	1909	23.10	-1.05
CADS	459	245	I Pn	1908	37.70	1.96
SKDS	481	236	I Pn	1908	39.70	1.27
VOIR	528	122	I Pn	D	1908	44.90
BIZ	532	103	I Pn	D	1908	45.10
OZUR	541	113	I Pn		1908	46.40
NKC	553	297	E Pn		1908	48.30
NKC	553	297	E Sn		1909	44.20
WTTA	575	262	Pn		1908	51.60
MLR	584	118	I Pn		1908	51.40
TESR	586	106	I Pn		1908	50.40
SQTA	608	262	Pn		1908	56.50
MOTA	613	263	Pn		1908	57.10
PLOR	613	113	I Pn		1908	53.60
VRI	618	112	I Pn		1908	55.90
FETA	648	261	Pn		1909	00.30
DAVA	705	264	Pn		1909	08.20
CFR	751	115	I Pn		1909	10.40
TLB	778	119	I Pn		1909	14.60
TIRR	810	119	I Pn		1909	19.10
						-0.44

**July 02 2013**      **Hour:** 19:47:00.7    **Lat:** 47.978°N    **Lon:** 19.210°E    **Depth:** 6.8 km  
**Magnitude:** 2.3ML    **Rms:** 0.71 s    **Gap:** 89°    **Erh:** 1.7 km    **Erz:** 2.1 km  
**Locality:** Tereske    **Comments:** felt, 4 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ	51	97	E	Pg	C	1947	09.80	-0.15							
PSZ	51	97	E	Sg		1947	16.30	-0.89							
BUD	56	194	E	Pg		1947	10.90	0.04							
BUD	56	194	E	Sg		1947	18.70	-0.12							
VYHS	63	334	E	Pg		1947	12.70	0.60							
VYHS	63	334	E	Sg		1947	20.10	-0.92							
SR02	65	249	E	Pg		1947	11.70	-0.73							
SR02	65	249	E	Sg		1947	20.40	-1.21							
TENK	92	113	E	Pg		1947	17.40	0.17							
TENK	92	113	E	Sg		1947	30.50	0.34							
CSKK	98	226	E	Pg		1947	18.30	-0.04							
CSKK	98	226	E	Sg		1947	33.10	0.96							
LANS	131	8	E	Pn		1947	23.70	0.45							
LANS	131	8	E	Sn		1947	39.40	-1.48							
MODS	150	287	E	Pn		1947	26.00	0.43							
MODS	150	287	E	Sn		1947	44.50	-0.50							
ZST	158	279	E	Pn		1947	27.60	0.96							
ZST	158	279	E	Sn		1947	46.00	-0.90							
MORH	200	192	E	Pn	D	1947	31.60	-0.24							
MORH	200	192	E	Sn		1947	52.10	-4.07							
CONA	250	269		Pn		1947	39.30	1.29							
CONA	250	269		Sn		1948	09.70	2.56							
KOLS	250	65	E	Pn		1947	43.90	5.87							
ARSA	288	254		Pn		1947	44.50	1.67							

**July 03 2013**      **Hour:** 11:12:24.1    **Lat:** 48.360°N    **Lon:** 19.836°E    **Depth:** 0.0 km  
**Magnitude:** 1.7ML    **Rms:** 0.25 s    **Gap:** 106°    **Erh:** 1.1 km    **Erz:** — km  
**Locality:** Slovakia    **Comments:** probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		49	175	E Pg	D	1112	33.10	0.16							
PSZ		49	175	E Sg		1112	39.80	-0.01							
KECS		50	74	E Pg		1112	32.70	-0.37							
KECS		50	74	E Sg		1112	39.90	-0.14							
VYHS		75	281	E Pg		1112	37.70	0.07							
VYHS		75	281	E Sg		1112	47.20	-0.95							
LANS		92	343	E Pg		1112	40.90	0.32							
LANS		92	343	E Sg		1112	53.20	-0.20							

July 05 2013      Hour: 05:00:44.0      Lat: 46.109°N      Lon: 16.444°E      Depth: 10.0 km

Magnitude: 2.2ML      Rms: 0.76 s      Gap: 148°      Erh: 2.1 km      Erz: 1.3 km

#### Locality: Croatia

#### Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOGS		40	338	E Pg		500	51.30	-0.21							
KOGS		40	338	I Sg		500	56.90	-0.43							
BEHE		47	32	E Pg	D	500	53.00	0.28							
BEHE		47	32	E Sg		500	59.90	0.40							
GOLS		64	260	I Pg		500	56.00	0.33							
GCIS		68	247	I Pg		500	56.60	0.16							
DOBS		75	273	I Pg		500	57.30	-0.34							
CESS		77	259	I Pg		500	58.20	0.22							
CESS		77	259	E Sg		501	09.00	0.15							
GROS		82	298	I Pg		500	58.10	-0.78							
CRES		82	248	I Pg		500	58.70	-0.22							
CRES		82	248	I Sg		501	10.60	0.07							
LEGS		89	259	I Pg		500	59.60	-0.44							
LEGS		89	259	E Sg		501	12.40	-0.11							
PDKS		111	268	I Pn		501	03.40	-0.35							
PDKS		111	268	E Sn		501	18.70	-0.43							
BOJS		114	234	E Pn		501	04.30	0.23							
BOJS		114	234	E Sn		501	19.40	-0.29							
BISS		117	301	I Pn		501	03.70	-0.77							
SOKA		125	300	Pn		501	05.20	-0.26							
SOKA		125	300	Sn		501	20.70	-1.48							
VISS		129	255	I Pn		501	06.20	0.33							
VISS		129	255	E Sn		501	22.60	-0.31							
VNDS		134	270	I Pn		501	06.90	0.30							
VNDS		134	270	E Sn		501	23.30	-0.90							
TIH		141	52	E Pn	D	501	07.40	-0.07							
TIH		141	52	E Sn		501	26.00	0.25							
ARSA		145	331	Pn		501	07.90	0.00							
ARSA		145	331	Sn		501	25.50	-1.01							
OBKA		152	287	Pn		501	09.90	1.07							
OBKA		152	287	Sn		501	29.40	1.23							
MOZS		155	278	I Pn		501	10.90	1.68							
MORH		170	86	E Pn		501	10.10	-0.93							
MORH		170	86	E Sn		501	29.10	-2.98							
SOP		175	3	E Pn	C	501	13.90	2.25							
SOP		175	3	E Sn		501	35.60	2.41							
CSKK		196	45	E Pn		501	16.40	2.07							
CSKK		196	45	E Sn		501	43.40	5.45							
CONA		207	348	Pn		501	16.20	0.58							
CONA		207	348	Sn		501	46.00	5.74							

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ZST	237	12	E	Pn	501	17.70	-1.69
MOA	254	319		Pn	501	22.90	1.33
MOA	254	319		Sn	501	51.20	0.36
MODS	259	14	E	Pn	501	20.70	-1.46
MODS	259	14	E	Sn	501	47.60	-4.30
KBA	260	294		Pn	501	28.30	5.98
KBA	260	294		Sn	502	00.80	8.62
VYHS	321	34	E	Pn	501	29.50	-0.32
VYHS	321	34	E	Sn	502	02.40	-3.13
PSZ	330	53	E	Sn	502	05.80	-1.86
KHC	399	327	E	Pn	501	40.70	1.13
KHC	399	327	E	Sn	502	20.80	-2.08

**July 11 2013**      Hour: 06:10:20.2      Lat: 47.606°N      Lon: 20.288°E      Depth: 8.1 km  
**Magnitude: 1.9ML**      Rms: 0.50 s      Gap: 222°      Erh: 4.0 km      Erz: 3.0 km  
**Locality: Heves**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TENK		6	40	E	Pg	D	610	22.50	0.39						
TENK		6	40	E	Sg		610	22.90	-0.69						
PSZ		45	320	E	Pg	D	610	28.80	0.33						
PSZ		45	320	E	Sg		610	34.60	-0.31						
BUD		96	262	E	Pg		610	36.70	-0.74						
BUD		96	262	E	Sg		610	51.10	0.22						
VYHS		146	312	E	Pn		610	45.00	0.53						
VYHS		146	312	E	Sn		611	02.50	-0.90						

**July 19 2013**      Hour: 09:31:27.8      Lat: 48.677°N      Lon: 20.684°E      Depth: 0.0 km  
**Magnitude: 1.6ML**      Rms: 1.03 s      Gap: 175°      Erh: 6.0 km      Erz: 5.3 km  
**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		102	215	E	Pg	D	931	46.80	0.68						
PSZ		102	215	E	Sg		931	58.60	-1.82						
KOLS		120	76	E	Pg		931	50.10	0.85						
KOLS		120	76	E	Sg		932	04.50	-1.49						
VYHS		137	262	E	Pn		931	52.70	0.70						
VYHS		137	262	E	Sn		932	10.30	-0.59						

**July 20 2013**      Hour: 20:13:17.6      Lat: 48.739°N      Lon: 18.265°E      Depth: 0.5 km  
**Magnitude: 2.4ML**      Rms: 0.95 s      Gap: 67°      Erh: 2.0 km      Erz: 2.3 km  
**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VYHS		50	123	E	Pg		2013	27.30	0.78						
VYHS		50	123	E	Sg		2013	33.20	-0.30						
MODS		83	241	E	Pg		2013	32.20	-0.27						
MODS		83	241	E	Sg		2013	44.20	0.10						
LANS		99	63	E	Pg		2013	34.90	-0.40						
LANS		99	63	E	Sg		2013	46.90	-2.22						
ZST		105	235	E	Pg		2013	35.90	-0.43						
ZST		105	235	E	Sg		2013	50.10	-0.86						
OKC		122	356	E	Pg		2013	39.70	0.26						
OKC		122	356	E	Sg		2013	55.00	-1.51						
MORC		126	335	I	Pg		2013	40.40	0.18						
VRAC		137	297	I	Pn		2013	41.60	-0.10						
BUD		150	158	E	Pn	C	2013	43.30	0.00						

BUD	150	158	E Sn	2014	03.80	0.42	
PSZ	151	127	E Pn	D	2013	43.70	0.29
PSZ	151	127	E Sn		2014	01.90	-1.66
CSKK	153	180	E Pn		2013	44.50	0.90
CSKK	153	180	E Sn		2014	02.80	-1.11
SOP	172	227	E Pn	C	2013	46.00	-0.08
SOP	172	227	E Sn		2014	06.80	-1.52
CONA	199	243	Pn		2013	49.90	0.48
CONA	199	243	Sn		2014	13.70	-0.57
TIH	206	188	E Pn	C	2013	54.30	4.04
DPC	227	322	E Pn		2013	54.10	1.16
DPC	227	322	E Sn		2014	23.50	2.97
UPC	255	320	E Pn		2014	01.40	5.03
UPC	255	320	E Sn		2014	31.40	4.76
ARSA	263	231	Pn		2013	57.70	0.35
BEHE	276	204	E Pn		2014	11.30	12.36
MORH	281	174	E Pn	D	2013	59.50	-0.19
MORH	281	174	E Sn		2014	28.70	-3.84
GOPC	284	297	E Sn		2014	40.10	6.96
KOLS	295	86	E Pn		2014	02.60	1.28
KOLS	295	86	E Sn		2014	34.80	-0.64
PRU	304	297	E Sn		2014	44.60	7.14
MOA	312	252	Pn		2014	04.40	0.87
MOA	312	252	Sn		2014	37.60	-1.79
TRPA	323	102	E Pn		2014	04.70	-0.16
PVCC	333	307	E Pn		2014	08.40	2.34
PVCC	333	307	E Sn		2014	53.60	9.72
SOKA	333	227	Pn		2014	06.40	0.26
KHC	346	277	E Pn		2014	08.40	0.70
KHC	346	277	E Sn		2014	45.00	-1.80
OBKA	373	228	Pn		2014	11.70	0.60
DRGR	397	123	I Pn		2014	13.50	-0.59
KBA	411	243	Pn		2014	17.40	1.55
KBA	411	243	Sn		2015	00.50	-0.82
BZS	430	144	I Pn	D	2014	18.10	-0.06
GZR	505	137	I Pn		2014	27.30	-0.29
MDVR	512	149	I Pn	D	2014	27.90	-0.56
WTTA	521	252	Pn		2014	31.60	2.08
WTTA	521	252	Sn		2015	23.80	-1.84
BURB	531	104	I Pn		2014	31.20	0.35
MOTA	556	254	Pn		2014	35.60	1.73

**July 21 2013**      Hour: 01:12:47.0      Lat: 46.520°N      Lon: 19.036°E      Depth: 0.2 km

Magnitude: 1.7ML      Rms: 1.02 s      Gap: 199°      Erh: 7.2 km      Erz: 5.7 km

Locality: Negyvenszállás

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORH		45	222	E Pg	D	112	54.40	-0.74							
BUD		107	359	E Pg		113	07.70	1.54							
BUD		107	359	E Sg		113	19.80	-1.28							
CSKK		110	328	E Pg	D	113	07.20	0.38							
CSKK		110	328	E Sg		113	21.00	-1.25							
PSZ		168	23	E Pn	D	113	15.40	0.34							
PSZ		168	23	E Sn		113	36.10	-0.81							
BEHE		173	268	E Sn		113	39.70	1.64							

**July 24 2013      Hour: 20:01:16.5      Lat: 46.226°N      Lon: 16.663°E      Depth: 11.3 km**

**Magnitude: 1.4ML      Rms: 0.39 s      Gap: 153°      Erh: 1.4 km      Erz: 0.8 km**

**Locality: Croatia**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		28	18	E Pg	C	2001	22.10	0.15							
BEHE		28	18	E Sg		2001	26.20	-0.02							
KOGS		40	308	I Pg		2001	24.10	0.15							
KOGS		40	308	I Sg		2001	29.40	-0.37							
GOLS		83	253	I Pg		2001	31.60	0.02							
GOLS		83	253	E Sg		2001	43.40	0.04							
GCIS		89	244	I Sg		2001	45.60	0.43							
DOBS		92	265	I Pg		2001	32.80	-0.34							
DOBS		92	265	I Sg		2001	46.10	-0.03							
GROS		93	286	I Sg		2001	45.80	-0.50							
CRES		103	245	E P*		2001	35.20	0.28							
CRES		103	245	I S*		2001	49.10	-0.19							
LEGS		108	253	I Pn		2001	35.50	-0.11							
LEGS		108	253	I Sn		2001	50.70	0.17							
BISS		127	292	I Pn		2001	38.00	0.08							
BISS		127	292	I Sn		2001	54.10	-0.53							
PERS		127	291	I Pn		2001	38.50	0.55							
PERS		127	291	I Sn		2001	54.20	-0.49							
SOKA		135	292	Pn		2001	40.00	1.09							
SOKA		135	292	Sn		2001	56.30	-0.10							
MORH		152	90	E Pn	D	2001	40.60	-0.54							
MORH		152	90	E Sn		2001	58.20	-2.17							
OBKA		165	281	Pn		2001	43.40	0.66							
OBKA		165	281	Sn		2002	06.10	2.88							

**July 26 2013      Hour: 08:16:58.3      Lat: 48.613°N      Lon: 20.555°E      Depth: 0.0 km**

**Magnitude: 1.5ML      Rms: 0.58 s      Gap: 253°      Erh: 4.9 km      Erz: — km**

**Locality: Slovakia**

**Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		15	200	E Pg		817	00.60	-0.46							
KECS		15	200	E Sg		817	04.80	1.61							
PSZ		91	212	E Pg		817	14.20	-0.46							
PSZ		91	212	E Sg		817	28.30	0.90							
LANS		99	307	E Pg		817	16.30	0.17							
LANS		99	307	E Sg		817	30.60	0.59							
VYHS		127	264	E Pg		817	20.70	-0.41							
VYHS		127	264	E Sg		817	38.70	-0.18							

**August 02 2013      Hour: 14:01:53.5      Lat: 47.234°N      Lon: 18.141°E      Depth: 7.4 km**

**Magnitude: 0.9ML      Rms: 0.10 s      Gap: 219°      Erh: 2.0 km      Erz: 0.5 km**

**Locality: Várpalota**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		17	32	E Pg	D	1401	56.70	-0.08							
CSKK		17	32	E Sg		1401	59.50	0.14							
MORH		119	161	E Pn	C	1402	14.60	0.14							
MORH		119	161	E Sn		1402	30.60	-0.24							
VYHS		149	20	E Sn		1402	37.50	0.02							
PSZ		152	60	E Pn	C	1402	18.50	-0.05							
PSZ		152	60	E Sn		1402	38.10	-0.02							

**August 07 2013      Hour: 05:44:19.4      Lat: 47.714°N      Lon: 20.336°E      Depth: 2.3 km**  
**Magnitude: 1.6ML      Rms: 0.76 s      Gap: 164°      Erh: 4.6 km      Erz: 4.3 km**  
**Locality: Kál**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TENK		6	172	E Pg	D	544	20.30	-0.37							
TENK		6	172	E Sg		544	20.80	-0.85							
PSZ		40	305	E Pg	D	544	26.60	0.02							
PSZ		40	305	E Sg		544	32.40	0.23							
KECS		86	7	E Pg		544	35.20	0.38							
KECS		86	7	E Sg		544	47.50	0.66							
VYHS		141	308	E Sn		545	01.10	-1.68							
MORH		210	218	E Pn	C	544	53.70	1.31							
MORH		210	218	E Sn		545	20.10	1.99							

**August 07 2013      Hour: 08:01:16.7      Lat: 47.601°N      Lon: 20.317°E      Depth: 1.8 km**  
**Magnitude: 2.5ML      Rms: 1.03 s      Gap: 74°      Erh: 2.7 km      Erz: 2.7 km**  
**Locality: Heves**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		47	318	I Pg		801	25.47	0.27							
PSZ		47	318	E Sg		801	30.90	-0.91							
BUD		98	262	E Pg		801	34.81	0.54							
BUD		98	262	E Sg		801	47.40	-0.55							
KECS		98	7	E Pg		801	33.60	-0.79							
KECS		98	7	E Sg		801	47.80	-0.36							
LTVH		121	101	E Pg		801	39.33	0.87							
LTVH		121	101	E Sg		801	55.40	-0.02							
VYHS		148	312	E Pn		801	41.40	-0.64							
VYHS		148	312	E Sn		801	59.70	-2.09							
SRO		152	279	E Sn		802	03.50	0.88							
CSKK		157	260	E Pn		801	44.35	1.21							
CSKK		157	260	E Sn		802	02.60	-1.14							
TRPA		176	71	E Pn		801	46.73	1.21							
TRPA		176	71	E Sn		802	08.00	0.02							
SIRR		180	145	I Pn		801	43.70	-2.28							
LANS		183	340	E Pn		801	48.40	2.00							
LANS		183	340	E Sn		802	09.10	-0.45							
MORH		199	220	E Pn		801	47.59	-0.86							
MORH		199	220	E Sn		802	17.30	4.10							
DRGR		202	116	I Pn	D	801	48.70	-0.08							
MODS		242	291	E Pn		801	56.30	2.52							
MODS		242	291	E Sn		802	23.60	0.91							
GZR		309	142	I Pn		801	59.80	-2.34							
LOT		357	132	I Pn		802	06.10	-1.95							
VOIR		435	124	I Pn		802	16.30	-1.54							

**August 08 2013      Hour: 09:13:59.2      Lat: 48.337°N      Lon: 19.756°E      Depth: 0.0 km**  
**Magnitude: 1.7ML      Rms: 0.28 s      Gap: 181°      Erh: 2.6 km      Erz: — km**  
**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		47	168	E Pg	D	914	07.70	-0.05							
PSZ		47	168	E Sg		914	14.50	0.11							
VYHS		70	284	E Pg		914	12.20	0.42							
VYHS		70	284	E Sg		914	21.10	-0.47							

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LANS	92 347	E Pg	914 15.50	-0.32
LANS	92 347	E Sg	914 29.10	0.34

**August 08 2013**      **Hour: 09:27:01.5**      **Lat: 48.605°N**      **Lon: 20.742°E**      **Depth: 0.0 km**  
**Magnitude: 1.5ML**      **Rms: 0.41 s**      **Gap: 147°**      **Erh: 3.0 km**      **Erz: 3.5 km**  
**Locality: Slovakia**      **Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		98 219	E Pg	D	927	19.40		0.26							
PSZ		98 219	E Sg		927	32.60	-0.31								
LANS		111 303	E Pg		927	21.70	0.33								
KOLS		118 72	E Sg		927	38.80	-0.30								
VYHS		141 265	E Pn		927	26.50	0.38								
VYHS		141 265	E Sn		927	44.40	-0.94								

**August 12 2013**      **Hour: 01:14:28.4**      **Lat: 46.517°N**      **Lon: 16.802°E**      **Depth: 13.3 km**  
**Magnitude: 2.0ML**      **Rms: 0.81 s**      **Gap: 124°**      **Erh: 3.0 km**      **Erz: 2.3 km**  
**Locality: Borsfa**      **Comments: felt, 3-4 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOGS		43 260	I Pg		114	36.20	-0.26								
KOGS		43 260	E Sg		114	43.00	0.27								
TIH		93 63	E P*	C	114	45.30	0.13								
TIH		93 63	E S*		114	57.90	-0.33								
GROS		100 266	E P*		114	45.30	-0.83								
GROS		100 266	E S*		114	59.60	-0.34								
GOLS		106 238	I Pn		114	46.60	-0.46								
GOLS		106 238	E Sn		115	00.60	-1.01								
DOBS		110 248	I Pn		114	47.10	-0.42								
GCIS		115 231	I Pn		114	47.80	-0.40								
GCIS		115 231	E Sn		115	04.30	0.67								
CESS		119 240	E Pn		114	48.80	0.14								
BISS		129 276	E Pn		114	49.90	0.05								
CRES		129 234	I Pn		114	49.30	-0.56								
PERS		129 276	E Pn		114	49.90	-0.04								
PERS		129 276	E Sn		115	05.50	-1.22								
LEGS		130 241	I Pn		114	50.60	0.55								
SOP		130 352	E Pn		114	50.70	0.62								
SOP		130 352	E Sn		115	06.30	-0.67								
SOKA		136 278	Pn		114	51.90	1.10								
SOKA		136 278	Sn		115	07.20	-1.05								
CSKK		145 50	E Pn	C	114	52.40	0.50								
CSKK		145 50	E Sn		115	12.80	2.59								
MORH		145 103	E Pn	D	114	50.80	-1.11								
MORH		145 103	E Sn		115	10.50	0.26								
BOJS		164 227	E Pn		114	56.30	2.03								
VNDS		168 254	I Pn		114	57.00	2.27								
VISS		171 242	E Pn		114	56.80	1.72								
VYHS		267 35	E Pn		115	07.80	0.64								
VYHS		267 35	E Sn		115	35.50	-1.88								
PSZ		281 56	E Pn		115	08.50	-0.33								
PSZ		281 56	E Sn		115	40.50	0.15								

**August 15 2013**      **Hour: 02:22:42.2**      **Lat: 45.847°N**      **Lon: 17.582°E**      **Depth: 1.4 km**  
**Magnitude: 2.8ML**      **Rms: 1.20 s**      **Gap: 131°**      **Erh: 5.3 km**      **Erz: 5.7 km**  
**Locality: Croatia**      **Comments: felt, 4 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORH		91	64	E Pg	D	222	57.80	-0.80							
TIH		119	12	E Pg		223	03.30	-0.22							
TIH		119	12	E Sg		223	19.20	-0.95							
BLY		121	195	I Pg		223	04.20	0.24							
CSKK		176	17	E Pn	D	223	13.30	2.27							
CSKK		176	17	E Sn		223	35.40	1.88							
SOKA		217	295	Pn		223	15.60	-0.52							
SOKA		217	295	Sn		223	40.20	-2.39							
SOP		218	339	E Pn		223	16.30	0.00							
SOP		218	339	E Sn		223	41.10	-1.80							
ARSA		222	315	Pn		223	16.80	0.08							
ARSA		222	315	Sn		223	47.60	3.95							
OBKA		245	287	Pn		223	19.90	0.24							
CONA		265	330	Pn		223	22.40	0.20							
CONA		265	330	Sn		223	58.40	4.99							
PSZ		289	37	E Pn	C	223	23.10	-2.10							
PSZ		289	37	E Sn		223	55.10	-3.64							
SMOL		296	358	E Pn		223	25.90	-0.13							
SMOL		296	358	E Sn		223	56.40	-3.83							
VYHS		309	18	E Pn		223	27.50	-0.10							
VYHS		309	18	E Sn		224	00.20	-2.81							
MYKA		316	286	Pn		223	28.70	0.23							
MYKA		316	286	Sn		224	04.10	-0.46							
MOA		336	311	Pn		223	32.10	1.04							
MOA		336	311	Sn		224	07.90	-1.27							
KBA		353	293	Pn		223	33.50	0.43							
ABTA		403	284	Pn		223	39.90	0.57							
GZR		408	97	I Pn		223	41.50	1.55							
TREC		414	338	E Pn		223	40.50	-0.22							
TREC		414	338	E Sn		224	22.60	-3.77							
MORC		436	360	I Pn		223	42.70	-0.82							
OKC		445	5	E Sn		224	27.30	-6.00							
TRPA		454	56	I Pn		223	49.70	3.98							
KHC		473	320	E Pn		223	49.20	1.10							
KHC		473	320	E Sn		224	37.60	-1.91							
WTTA		482	289	Pn		223	51.10	1.91							
WTTA		482	289	Sn		224	50.10	8.64							
WATA		489	290	Pn		223	51.00	0.97							

August 15 2013      Hour: 11:46:02.5      Lat: 48.293°N      Lon: 21.222°E      Depth: 1.0 km

Magnitude: 1.4ML      Rms: 0.19 s      Gap: 200°      Erh: 2.1 km      Erz: — km

Locality: Abaújalpár

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		58	291	E Pg		1146	13.00	0.07							
KECS		58	291	E Sg		1146	21.10	0.02							
KOLS		105	47	E Pg		1146	21.40	0.13							
KOLS		105	47	E Sg		1146	35.70	-0.23							
PSZ		107	247	E Pg	C	1146	21.80	0.16							
PSZ		107	247	E Sg		1146	36.20	-0.39							

August 16 2013      Hour: 10:16:17.0      Lat: 48.386°N      Lon: 19.839°E      Depth: 0.0 km

Magnitude: 1.9ML      Rms: 0.25 s      Gap: 158°      Erh: 1.5 km      Erz: — km

Locality: Slovakia

Comments: probably explosion

CHAPTER 1. LOCAL EARTHQUAKES

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		49	77	E Pg		1016	25.90	0.16							
KECS		49	77	E Sg		1016	32.30	-0.28							
PSZ		52	175	E Pg	C	1016	26.40	0.12							
PSZ		52	175	E Sg		1016	33.40	-0.14							
VYHS		75	279	E Pg		1016	30.80	0.40							
VYHS		75	279	E Sg		1016	40.50	-0.36							

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT

KECS	29	213	E Pg	825	16.10	-0.28	
KECS	29	213	E Sg	825	20.50	0.06	
PSZ	105	215	E Pg	D	825	30.60	0.53
PSZ	105	215	E Sg	825	44.00	-0.80	
KOLS	118	77	E Sg	825	48.50	-0.22	
VYHS	139	260	E Pn	825	36.40	0.78	
VYHS	139	260	E Sn	825	54.30	-0.39	

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		58	167	E Pg		1334	19.60	0.06							
KECS		58	167	E Sg		1334	26.10	-1.64							
LANS		63	286	E Pg		1334	21.20	0.75							
LANS		63	286	E Sg		1334	28.90	-0.46							
STHS		82	56	E Sg		1334	34.50	-0.98							
VYHS		121	243	E Pn		1334	30.40	0.07							
VYHS		121	243	E Sn		1334	44.20	-2.75							
PSZ		123	194	E Pn	D	1334	31.30	0.72							
PSZ		123	194	E Sn		1334	45.30	-2.08							
KOLS		144	93	E Pn		1334	35.30	2.13							
KOLS		144	93	E Sn		1334	52.20	0.21							

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		15	333	E Pg	D	1905	30.90	-0.85							
BUD		15	333	E Sg		1905	32.60	-1.68							
CSKK		64	270	E Pg		1905	43.00	2.83							
CSKK		64	270	E Sg		1905	47.50	-1.77							
SRO		78	310	E Pg		1905	44.00	1.37							
SRO		78	310	E Sg		1905	55.10	1.45							
PSZ		85	43	E Pg	D	1905	43.30	-0.51							
PSZ		85	43	E Sg		1905	55.20	-0.56							
TENK		98	71	E Pg	D	1905	46.90	0.74							
TENK		98	71	E Sg		1906	00.80	0.87							
TIH		106	241	E P*	D	1905	47.60	0.16							
TIH		106	241	E S*		1906	01.40	-0.81							
VYHS		127	351	E Pn		1905	50.00	-0.16							
VYHS		127	351	E Sn		1906	04.00	-3.06							

MORH	132	196	E	Pn	1905	50.20	-0.57
MORH	132	196	E	Sn	1906	06.60	-1.53
KECS	161	39	E	Pn	1905	55.70	1.33
KECS	161	39	E	Sn	1906	14.60	0.05

**August 27 2013**      Hour: 11:35:36.9      Lat: 48.453°N      Lon: 19.323°E      Depth: 0.0 km  
**Magnitude: 1.8ML**      Rms: 1.14 s      Gap: 137°      Erh: 2.1 km      Erz: 2.6 km  
**Locality: Slovakia**      Comments: probably explosion

	STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VYHS	36	277	E	Pg		1135	44.80		1.42							
VYHS	36	277	E	Sg		1135	49.80		1.36							
PSZ	73	144	E	Pg	D	1135	50.10		0.17							
PSZ	73	144	E	Sg		1135	59.90		-0.20							
LANS	78	8	E	Pg		1135	51.50		0.62							
LANS	78	8	E	Sg		1136	01.10		-0.69							
SMOL	140	273	E	Sn		1136	19.10		-1.44							
MODS	151	267	E	Sn		1136	20.50		-2.59							

**September 03 2013**      Hour: 04:28:51.4      Lat: 47.679°N      Lon: 20.283°E      Depth: 3.8 km  
**Magnitude: 2.1ML**      Rms: 1.34 s      Gap: 61°      Erh: 4.3 km      Erz: 3.1 km  
**Locality: Erdőtelek**      Comments:

	STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TENK	5	120	E	Pg	D	428	52.50		-0.14							
TENK	5	120	E	Sg		428	53.00		-0.58							
PSZ	39	312	E	Pg	D	428	58.80		0.29							
PSZ	39	312	E	Sg		429	02.00		-2.02							
KECS	90	10	E	Pg		429	08.40		0.77							
KECS	90	10	E	Sg		429	19.70		-0.57							
VYHS	140	310	E	Sn		429	32.60		-1.75							
CSKK	156	257	E	Pn	C	429	18.80		1.32							
CSKK	156	257	E	Sn		429	37.60		-0.20							
LANS	174	340	E	Pn		429	21.50		1.77							
LANS	174	340	E	Sn		429	40.80		-1.00							
TRPA	176	73	E	Pn		429	22.50		2.58							
TRPA	176	73	E	Sn		429	42.00		-0.14							
TRPA	176	73	E	Sn		429	52.30		4.14							
MORH	205	217	E	Pn		429	25.20		1.65							
MORH	205	217	E	Sn		429	49.90		1.30							
DRGR	208	118	I	Pn	D	429	22.00		-2.00							
BZS	251	156	I	Pn	D	429	25.80		-3.48							
GZR	318	143	I	Pn	D	429	35.50		-2.14							

**September 08 2013**      Hour: 13:00:42.7      Lat: 45.599°N      Lon: 22.828°E      Depth: 3.8 km  
**Magnitude: 4.0ML**      Rms: 0.88 s      Gap: 63°      Erh: 2.6 km      Erz: 2.8 km  
**Locality: Romania**      Comments:

	STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GZR	23	190	I	Pg		1300	47.40		0.54							
DEV	32	11	I	Pg		1300	48.90		0.46							
LOT	75	103	I	Pg	D	1300	55.00		-1.15							
BZS	94	271	I	Pg	D	1300	58.90		-0.65							
SRE	108	164	I	Pg		1301	02.50		0.49							
TIM	126	277	I	Pn		1301	05.00		0.07							
MDVR	126	224	I	Pn		1301	04.20		-0.74							
DRGR	132	356	I	Pn		1301	05.30		-0.47							

CHAPTER 1. LOCAL EARTHQUAKES

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BANR	134	260	I Pn	D	1301	06.50	0.53
MDB	134	63	I Pn		1301	05.10	-0.91
CJR	137	26	I Pn		1301	05.70	-0.64
ARR	143	100	I Pn	D	1301	05.60	-1.50
VOIR	174	96	I Pn	D	1301	10.20	-0.77
MTUR	179	103	I Pn		1301	12.00	0.37
GOLR	187	117	I Pn	D	1301	15.00	2.39
ARCR	202	35	I Pn		1301	15.30	0.82
DOPR	203	78	I Pn		1301	15.20	0.64
HUMR	207	125	I Pn	D	1301	16.70	1.67
LTVH	210	340	E Pn	D	1301	19.70	4.20
LTVH	210	340	E Sn		1301	43.90	2.79
BMR	236	13	I Pn		1301	19.00	0.35
OZUR	236	76	I Pn		1301	19.50	0.82
MLR	243	93	I Pn	D	1301	20.50	0.90
TRPA	282	356	E Pn	D	1301	25.20	0.80
TRPA	282	356	E Sn		1302	04.30	7.35
SULR	288	111	I Pn		1301	26.30	1.14
BURB	289	39	I Pn		1301	26.60	1.32
BIZ	293	59	I Pn		1301	27.10	1.33
PLOR	298	85	I Pn		1301	27.30	0.83
VRI	305	84	I Pn		1301	28.20	0.96
TESR	312	71	I Pn		1301	29.00	0.81
MORH	331	282	E Pn	D	1301	30.50	-0.07
MORH	331	282	E Sn		1302	05.90	-2.05
VTS	335	175	I Pn		1301	30.80	-0.24
PSZ	341	319	E Pn		1301	32.20	0.40
PSZ	341	319	E Sn		1302	07.40	-2.73
PETR	343	88	I Pn		1301	33.20	1.17
BUD	359	306	E Pn	D	1301	35.90	1.91
BUD	359	306	E Sn		1302	14.40	0.37
KECS	366	331	E Pn		1301	36.20	1.27
KECS	366	331	E Sn		1302	27.40	11.70
KOLS	373	354	E Pn		1301	38.00	2.28
KOLS	373	354	E Sn		1302	29.70	12.60
CSKK	401	299	E Pn	D	1301	40.20	0.89
CSKK	401	299	E Sn		1302	22.80	-0.69
HARR	413	104	I Pn		1301	41.80	0.99
CFR	418	96	I Pn		1301	40.80	-0.57
TLB	425	105	I Pn		1301	42.60	0.32
VYHS	442	317	E Pn		1301	44.50	0.15
TIRR	458	106	I Pn		1301	46.70	0.38
LANS	469	327	E Pn		1301	49.10	1.37
LANS	469	327	E Sn		1302	59.10	20.62
SMOL	522	308	E Pn		1301	57.10	2.71
MODS	522	306	E Pn		1301	53.20	-1.21
ZST	523	303	E Pn		1301	53.50	-0.94
SOP	533	296	E Pn	D	1301	56.00	0.33
SOP	533	296	E Sn		1302	49.80	-2.81
GCIS	561	273	I Pn		1301	59.00	-0.18
CRES	574	273	I Pn		1302	00.60	-0.24
OKC	587	323	E Pn		1302	03.20	0.71
OKC	587	323	E Sn		1303	04.80	0.05

ARSA	590	288	Pn	1302	03.10	0.24	
ARSA	590	288	Sn	1303	01.50	-3.92	
BOJS	591	269	I Pn	1302	03.00	0.02	
CONA	591	296	Pn	1302	03.20	0.21	
CONA	591	296	Sn	1303	02.90	-2.75	
MORC	610	319	I Pn	1302	06.30	0.92	
SOKA	614	281	Pn	1302	05.10	-0.68	
SOKA	614	281	Sn	1303	07.70	-2.92	
VISS	622	272	I Pn	1302	06.60	-0.23	
VRAC	625	311	I Pn	D	1302	06.80	-0.38
OBKA	648	279	Pn	1302	10.70	0.62	
OBKA	648	279	Sn	1303	15.50	-2.77	
MOA	700	291	Pn	1302	17.60	1.02	
DPC	717	317	E Pn	1302	20.20	1.51	
DPC	717	317	E Sn	1303	32.10	-1.49	
UPC	745	317	E Pn	1302	23.30	1.12	
KBA	748	283	Pn	1302	23.40	0.88	
GOPC	770	309	E Pn	1302	25.90	0.63	
GOPC	770	309	E Sn	1303	43.20	-2.11	

September 08 2013 Hour: 13:22:12.7 Lat: 45.599°N Lon: 22.843°E Depth: 4.9 km

Magnitude: 4.4ML Rms: 0.67 s Gap: 63° Erh: 1.9 km Erz: 2.0 km

#### Locality: Romania

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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GZR		23	193	I Pg	1322	17.50	0.56	
DEV		31	8	I Pg	1322	18.80	0.37	
LOT		74	103	I Pg	D	1322	24.70	-1.26
BZS		95	271	I Pg	D	1322	29.00	-0.77
SRE		108	165	I Pg	1322	32.50	0.54	
MDVR		127	224	I Pn	1322	34.40	-0.51	
TIM		127	277	I Pn	D	1322	35.20	0.25
DRGR		132	356	I Pn	1322	35.30	-0.34	
MDB		133	63	I Pn	1322	35.30	-0.44	
BANR		135	260	I Pn	D	1322	36.40	0.42
CJR		136	25	I Pn	1322	35.80	-0.34	
ARR		142	100	I Pn	D	1322	35.70	-1.12
VOIR		173	96	I Pn	D	1322	40.30	-0.38
MTUR		178	103	I Pn	1322	41.70	0.36	
ARCR		202	35	I Pn	1322	44.40	0.14	
DOPR		202	78	I Pn	1322	45.00	0.73	
HUMR		206	125	I Pn	D	1322	45.80	1.03
LTVH		211	340	E Pn	1322	47.00	1.59	
OZUR		235	76	I Pn	D	1322	49.20	0.81
BMR		235	12	I Pn	1322	48.80	0.32	
MLR		242	93	I Pn	D	1322	50.40	1.09
TRPA		282	355	E Pn	D	1322	55.00	0.73
TRPA		282	355	E Sn	1323	24.20	-2.53	
BUC1		287	119	I Pn	1322	56.00	1.12	
SULR		287	111	I Pn	D	1322	56.00	1.12
BURB		288	39	I Pn	1322	56.30	1.25	
BIZ		292	59	I Pn	1322	56.90	1.40	
ISR		294	100	I Pn	D	1322	57.90	2.07
ZIMR		297	138	I Pn	1322	56.10	-0.06	
PLOR		297	85	I Pn	1322	57.30	1.12	

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VRI	303	84	I Pn	1322	58.10	1.15
TESR	311	71	I Pn	1322	58.90	0.99
MORH	333	282	E Pn	D	1323	00.50
MORH	333	282	E Sn		1323	36.10
VTS	335	175	I Pn	D	1323	00.40
PSZ	342	319	E Pn	D	1323	01.80
PSZ	342	319	E Sn		1323	37.40
BUD	360	306	E Pn	D	1323	04.20
BUD	360	306	E Sn		1323	44.10
KECS	367	331	E Pn		1323	06.00
KECS	367	331	E Sn		1323	44.80
AMRR	370	107	I Pn		1323	05.70
KOLS	373	353	E Pn		1323	07.00
KOLS	373	353	E Sn		1323	59.70
BIR	378	79	I Pn		1323	07.60
CSKK	402	299	E Pn	C	1323	10.00
CSKK	402	299	E Sn		1323	52.80
IAS	403	64	I Pn	D	1323	10.30
TIH	408	291	E Pn	D	1323	10.50
TIH	408	291	E Sn		1323	52.60
HARR	412	104	I Pn		1323	11.60
CFR	417	96	I Pn		1323	10.80
TLB	424	105	I Pn		1323	12.70
STHS	441	344	E Pn		1323	16.50
STHS	441	344	E Sn		1324	19.70
VYHS	443	317	E Pn		1323	14.50
VYHS	443	317	E Sn		1324	02.30
TIRR	456	106	I Pn		1323	16.50
TLCR	469	96	I Pn		1323	18.00
LANS	470	327	E Pn		1323	18.90
LANS	470	327	E Sn		1324	27.80
BEHE	479	282	E Pn		1323	19.40
MANR	496	114	I Pn	D	1323	21.60
MODS	523	306	E Pn		1323	23.10
MODS	523	306	E Sn		1324	17.00
ZST	524	303	E Pn		1323	22.90
ZST	524	303	E Sn		1324	17.50
SOP	534	296	E Pn	D	1323	26.20
SOP	534	296	E Sn		1324	19.70
GCIS	562	273	I Pn		1323	28.90
GCIS	562	273	E Sn		1324	25.60
CRES	575	273	I Pn		1323	30.50
CRES	575	273	E Sn		1324	28.60

September 09 2013 Hour: 06:08:53.2 Lat: 47.985°N Lon: 19.990°E Depth: 0.0 km

Magnitude: 1.5ML Rms: 0.33 s Gap: 190° Erh: 3.2 km Erz: — km

Locality: Mátramindszent

Comments: explosion (Recsk)

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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PSZ	10	224	E	Pg	D	608	54.70	-0.37
PSZ	10	224	E	Sg		608	56.70	0.21
KECS	66	34	E	Sg		609	14.50	0.09
VYHS	102	303	E	Pg		609	12.20	0.61
VYHS	102	303	E	Sg		609	25.80	-0.09

**September 10 2013** Hour: 09:37:38.5 Lat: 48.626°N Lon: 20.685°E Depth: 0.0 km  
**Magnitude: 1.6ML** Rms: 0.85 s Gap: 143° Erh: 3.8 km Erz: 5.6 km  
**Locality: Slovakia** Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		21	223	E Pg		937	42.20	-0.21							
KECS		21	223	E Sg		937	46.20	0.77							
PSZ		98	217	E Pg	C	937	56.10	0.03							
PSZ		98	217	E Sg		938	09.00	-0.75							
LANS		106	303	E Pg		937	58.00	0.43							
LANS		106	303	E Sg		938	12.20	-0.22							
KOLS		121	74	E Pg		938	02.40	2.15							
KOLS		121	74	E Sg		938	15.10	-2.08							
VYHS		137	264	E Pn		938	02.70	0.02							
VYHS		137	264	E Sn		938	20.30	-1.22							

**September 20 2013** Hour: 02:06:33.5 Lat: 47.960°N Lon: 16.465°E Depth: 6.8 km  
**Magnitude: 3.8ML** Rms: 0.43 s Gap: 54° Erh: 1.4 km Erz: 1.2 km  
**Locality: Austria** Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		31	167	I Pg		206	39.70	0.42							
SOP		31	167	E Sg		206	43.40	-0.37							
ZST		54	61	E Pg		206	43.20	-0.09							
ZST		54	61	E Sg		206	50.90	-0.01							
MODS		75	53	E Pg		206	46.70	-0.44							
MODS		75	53	E Sg		206	57.70	-0.06							
SMOL		94	49	E Pg		206	50.80	0.37							
SMOL		94	49	E Sg		207	04.20	0.58							
ARSA		106	222	I Pg		206	51.10	-1.40							
ARSA		106	222	E Sg		207	03.00	-4.29							
SRO		139	97	E Pn		206	57.00	-0.04							
SRO		139	97	E Sn		207	14.20	-1.18							
SR02		146	99	E Pn		206	56.80	-1.09							
SR02		146	99	E Sn		207	14.70	-2.19							
CSKK		150	116	I Pn		206	58.50	0.07							
TIH		159	138	I Pn		207	00.00	0.41							
TREC		165	334	E Pn		207	00.30	0.03							
TREC		165	334	E Sn		207	19.60	-1.53							
BEHE		167	172	I Pn		207	00.70	0.16							
BISS		177	215	I Pn		207	01.70	-0.12							
BISS		177	215	I Sn		207	04.00	-19.90							
PERS		179	215	I Pn		207	01.90	-0.12							
PERS		179	215	I Sn		207	04.10	-20.14							
GROS		181	204	I Pn	D	207	02.00	-0.37							
GROS		181	204	I Sn		207	04.20	-20.67							
VYHS		185	71	E Pn		207	02.70	-0.17							
BUD		199	105	I Pn		207	04.50	-0.02							
DOBS		215	201	I Pn		207	06.20	-0.30							
DOBS		215	201	I Sn		207	10.30	-21.92							
OBKA		217	222	I Pn		207	07.00	0.26							
GOLS		225	196	E Pn		207	07.80	-0.06							
GOLS		225	196	I Sn		207	12.30	-22.33							
CESS		233	199	I Pn		207	08.90	0.08							
CESS		233	199	I Sn		207	13.60	-22.75							
KRLC		236	6	E Pn		207	09.80	0.63							

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KRLC	236	6	E Sn	207	35.70	-1.27	
PDKS	237	208	I Pn	207	09.60	0.36	
PDKS	237	208	I Sn	207	14.80	-22.29	
GCIS	241	195	E Pn	207	10.00	0.23	
OKC	242	31	E Pn	207	10.50	0.57	
OKC	242	31	E Sn	207	36.60	-1.72	
CRES	249	198	I Pn	207	10.90	0.12	
KHC	249	301	E Pn	207	11.40	0.56	
KHC	249	301	E Sn	207	38.40	-1.54	
KBA	254	247	I Pn	207	12.40	0.96	
MORH	254	140	I Pn	207	11.00	-0.47	
PSZ	256	91	I Pn	207	11.80	0.16	
LANS	258	59	E Pn	207	12.50	0.62	
LANS	258	59	E Sn	207	42.20	0.40	
PRU	266	328	E Pn	207	12.60	-0.25	
PRU	266	328	E Sn	207	42.50	-1.02	
DPC	266	358	E Pn	207	13.00	0.14	
DPC	266	358	E Sn	207	41.30	-2.25	
VISS	269	207	I Pn	207	13.30	-0.04	
PRA	277	328	E Pn	207	14.70	0.37	
PRA	277	328	E Sn	207	50.80	4.64	
UPC	285	353	E Pn	207	15.10	-0.16	
UPC	285	353	E Sn	207	54.80	6.99	
KECS	304	79	E Pn	207	18.00	0.36	
PVCC	317	334	E Pn	207	18.80	-0.45	
PVCC	317	334	E Sn	208	02.60	7.69	
BLY	356	171	I Pn	207	15.20	-8.98	
NKC	387	311	E Pn	207	28.50	0.52	
NKC	387	311	E Sn	208	22.80	12.34	
STHS	387	65	E Pn	207	28.70	0.71	
LTVH	413	99	I Pn	207	31.20	-0.01	
SIRR	436	116	I Pn	D	207	29.80	-4.36
KOLS	443	76	E Pn		207	34.80	-0.14
TRPA	453	88	I Pn		207	27.30	-8.91
BANR	458	129	I Pn	D	207	36.40	-0.40
BZS	471	124	I Pn	D	207	35.00	-3.51
DRGR	489	105	I Pn		207	33.50	-7.19
BMR	527	93	I Pn		207	37.00	-8.47
DEV	542	115	I Pn	D	207	42.60	-4.67
CJR	556	104	I Pn	D	207	41.90	-7.19
ARCR	602	99	I Pn	D	207	46.60	-8.15
BURB	656	93	I Pn	D	207	52.80	-8.80

September 22 2013 Hour: 11:12:19.8 Lat: 48.287°N Lon: 21.322°E Depth: 1.9 km

Magnitude: 2.0ML Rms: 0.73 s Gap: 101° Erh: 2.5 km Erz: 4.4 km

Locality: Sima

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		65	289	E Pg		1112	31.70	0.16							
KECS		65	289	E Sg		1112	39.80	-0.89							
TRPA		92	101	I Pg	D	1112	35.80	-0.47							
KOLS		100	44	E Pg		1112	38.80	1.05							
KOLS		100	44	E Sg		1112	51.70	-0.03							
PSZ		113	249	I Pg	D	1112	39.60	-0.56							
STHS		125	357	E Sg		1112	59.50	-0.28							

VYHS	185	277	E	Pn	1112	52.00	2.27
VYHS	185	277	E	Sn	1113	12.80	-0.27
DRGR	196	148	I	Pn	1112	52.10	1.00

September 24 2013   Hour: 13:53:17.7   Lat: 47.966°N   Lon: 16.414°E   Depth: 1.3 km  
 Magnitude: 2.1ML   Rms: 0.62 s   Gap: 55°   Erh: 2.2 km   Erz: 2.4 km

**Locality: Austria**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		33	161	E	Pg	D	1353	24.20	0.57						
SOP		33	161	E	Sg		1353	27.90	-0.36						
CONA		41	264		Pg		1353	25.10	0.01						
CONA		41	264		Sg		1353	30.30	-0.56						
ZST		57	63	E	Pg		1353	27.70	-0.22						
ZST		57	63	E	Sg		1353	36.20	0.30						
MODS		78	55	E	Pg		1353	31.20	-0.52						
MODS		78	55	E	Sg		1353	42.30	-0.36						
SMOL		96	51	E	Pg		1353	35.60	0.61						
SMOL		96	51	E	Sg		1353	49.20	0.72						
ARSA		104	220		Pg		1353	35.40	-0.87						
ARSA		104	220		Sg		1353	47.50	-3.26						
SRO		143	97	E	Pn		1353	43.30	0.91						
CSKK		154	116	E	Pn	D	1353	43.20	-0.56						
CSKK		154	116	E	Sn		1354	00.70	-3.39						
MOA		161	265		Pn		1353	44.50	-0.15						
MOA		161	265		Sn		1354	04.50	-1.18						
TIH		162	137	E	Pn		1353	45.10	0.25						
TIH		162	137	E	Sn		1354	09.10	3.06						
TREC		162	335	E	Pn		1353	44.70	-0.16						
TREC		162	335	E	Sn		1354	04.40	-1.65						
SOKA		177	216		Pn		1353	46.50	-0.16						
SOKA		177	216		Sn		1354	07.20	-2.06						
SOKA		177	216	E	Sn		1354	12.80	0.88						
OBKA		214	221		Pn		1353	51.90	0.55						
OBKA		214	221		Sn		1354	19.90	2.29						
KHC		246	302	E	Pn		1353	56.20	0.94						
KHC		246	302	E	Sn		1354	22.60	-1.96						
GOPC		247	331	E	Sn		1354	29.10	4.31						
KBA		251	247		Pn		1353	59.20	3.30						
KBA		251	247		Sn		1354	28.20	2.49						
MYKA		257	235		Pn		1354	01.30	4.70						
MYKA		257	235		Sn		1354	32.40	5.44						
MORH		257	139	E	Pn	D	1353	55.70	-1.02						
MORH		257	139	E	Sn		1354	20.70	-6.46						
PSZ		260	91	E	Sn		1354	27.30	-0.33						
PRU		263	329	E	Pn		1354	01.20	3.80						
PRU		263	329	E	Sn		1354	32.30	3.93						
DPC		265	359	E	Pn		1353	57.10	-0.53						
DPC		265	359	E	Sn		1354	34.00	5.22						
PRA		275	328	E	Sn		1354	37.30	6.29						
UPC		284	354	E	Sn		1354	39.20	6.22						
ABTA		324	245		Pn		1354	11.90	6.89						
ABTA		324	245		Sn		1354	51.10	9.17						
WTTA		367	258		Sn		1355	04.30	12.80						
NKC		384	311	E	Sn		1355	07.00	11.85						

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RETA	427	263	Sn	1355	21.20	16.44
FETA	441	256	Pn	1354	30.80	11.24

**September 28 2013**   **Hour: 10:36:13.1**   **Lat: 47.657°N**   **Lon: 18.297°E**   **Depth: 15.1 km**  
**Magnitude: 0.9ML**   **Rms: 0.68 s**   **Gap: 139°**   **Erh: 5.6 km**   **Erz: 2.6 km**

**Locality: Tata**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SR02		13	32	E Pg		1036	16.40	-0.36							
SR02		13	32	E Sg		1036	19.00	-0.61							
CSKK		32	185	E Sg		1036	24.70	0.12							
VYHS		101	23	E Pn		1036	32.10	1.25							
VYHS		101	23	E Sn		1036	44.30	-0.39							
MODS		110	316	E Pn		1036	32.50	0.56							
MODS		110	316	E Sn		1036	45.70	-0.94							
MORH		162	171	E Pn		1036	37.80	-0.65							

**September 28 2013**   **Hour: 15:12:46.2**   **Lat: 46.306°N**   **Lon: 17.103°E**   **Depth: 10.0 km**  
**Magnitude: 1.6ML**   **Rms: 1.37 s**   **Gap: 190°**   **Erh: 8.3 km**   **Erz: 5.2 km**

**Locality: Somogycsicsó**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		31	306	E Pg		1512	51.30	-0.71							
BEHE		31	306	E Sg		1512	55.40	-1.16							
TIH		89	42	E Sg		1513	14.90	0.08							
MORH		119	95	E Pn	C	1513	05.50	-1.28							
MORH		119	95	E Sn		1513	22.10	-0.77							
CSKK		147	37	E Sn		1513	28.50	-0.54							
ARSA		160	311	Pn		1513	15.00	3.13							
ARSA		160	311	Sn		1513	31.60	-0.32							
SOKA		164	285	Pn		1513	14.10	1.70							
SOKA		164	285	Sn		1513	31.70	-1.17							

**October 01 2013**   **Hour: 10:16:48.0**   **Lat: 48.628°N**   **Lon: 20.756°E**   **Depth: 0.0 km**  
**Magnitude: 1.9ML**   **Rms: 0.36 s**   **Gap: 146°**   **Erh: 1.8 km**   **Erz: 2.9 km**

**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		25	231	E Pg		1016	52.40	-0.19							
KECS		25	231	E Sg		1016	56.30	0.14							
STHS		94	22	E Pg		1017	05.30	0.37							
PSZ		101	219	E Pg		1017	06.20	0.05							
LANS		110	302	E Pg		1017	08.00	0.17							
LANS		110	302	E Sg		1017	22.20	-1.08							
KOLS		116	73	E Sg		1017	24.90	-0.17							
VYHS		142	264	E Pn		1017	13.10	0.28							
VYHS		142	264	E Sn		1017	31.10	-1.06							

**October 02 2013**   **Hour: 04:09:52.7**   **Lat: 47.944°N**   **Lon: 16.413°E**   **Depth: 4.0 km**  
**Magnitude: 1.4ML**   **Rms: 1.10 s**   **Gap: 74°**   **Erh: 2.6 km**   **Erz: 2.9 km**

**Locality: Austria**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		31	159	E Pg	D	409	59.20	0.92							
SOP		31	159	E Sg		410	02.80	0.17							
CONA		41	268	Pg		410	00.60	0.50							
CONA		41	268	Sg		410	05.70	-0.16							
ZST		58	61	E Sg		410	10.70	-0.66							
MODS		80	53	E Pg		410	06.30	-0.73							

MODS	80	53	E Sg	410	17.30	-0.91
SMOL	98	50	E Sg	410	24.20	0.14
ARSA	102	221	Pg	410	10.50	-0.45
ARSA	102	221	Sg	410	22.80	-2.38
MOA	160	266	Pn	410	19.70	0.42
MOA	160	266	Sn	410	38.80	-1.21
TREC	165	336	E Pn	410	20.60	0.81
TREC	165	336	E Sn	410	39.10	-1.82
SOKA	175	217	Pn	410	22.60	1.53
SOKA	175	217	Sn	410	43.10	-0.09
SOKA	175	217	E Sn	410	45.00	-1.52
KHC	247	302	E Pn	410	32.30	2.22
KHC	247	302	E Sn	411	01.10	1.87
GOPC	249	331	E Sn	411	03.20	3.55
MORH	256	139	E Pn	410	29.80	-1.36
MORH	256	139	E Sn	410	57.90	-3.26

**October 02 2013**      Hour: 05:26:54.8      Lat: 47.947°N      Lon: 16.409°E      Depth: 1.5 km

Magnitude: 1.5ML      Rms: 1.13 s      Gap: 75°      Erh: 2.7 km      Erz: 3.1 km

Locality: Austria

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		31	159	E Pg	D	527	01.10	0.74							
SOP		31	159	E Sg		527	04.70	-0.03							
CONA		41	267	Pg		527	02.50	0.43							
CONA		41	267	Sg		527	07.90	0.12							
ZST		58	62	E Sg		527	11.90	-1.50							
MODS		80	54	E Pg		527	08.20	-0.87							
MODS		80	54	E Sg		527	19.60	-0.64							
SMOL		98	50	E Pg		527	13.20	0.84							
SMOL		98	50	E Sg		527	26.60	0.51							
ARSA		102	221	Pg		527	12.50	-0.50							
ARSA		102	221	Sg		527	24.80	-2.42							
MOA		160	266	Pn		527	21.90	0.27							
MOA		160	266	Sn		527	42.00	-0.59							
TREC		164	336	E Pn		527	22.40	0.28							
TREC		164	336	E Sn		527	40.90	-2.57							
SOKA		175	216	Pn		527	24.90	1.44							
SOKA		175	216	Sn		527	44.90	-0.95							
VYHS		190	71	E Pn		527	28.30	2.97							
VYHS		190	71	E Sn		527	47.00	-2.18							
KHC		247	302	E Pn		527	33.90	1.49							
KHC		247	302	E Sn		528	03.60	1.82							
GOPC		249	331	E Sn		528	05.20	3.00							
MORH		256	139	E Pn		527	33.50	-0.09							
PRU		265	329	E Sn		528	08.30	2.54							

**October 02 2013**      Hour: 05:33:03.6      Lat: 47.925°N      Lon: 16.377°E      Depth: 1.7 km

Magnitude: 1.2ML      Rms: 0.99 s      Gap: 110°      Erh: 3.4 km      Erz: 4.4 km

Locality: Austria

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		30	153	E Pg	D	533	09.60	0.57							
SOP		30	153	E Sg		533	13.10	-0.14							
CONA		38	270	Pg		533	11.00	0.49							
CONA		38	270	Sg		533	16.40	0.52							

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MODS	83	53	E Pg	533	17.50	-1.05
MODS	83	53	E Sg	533	28.10	-2.09
ARSA	98	221	Pg	533	21.10	-0.17
ARSA	98	221	Sg	533	33.30	-1.73
MOA	158	267	Pn	533	30.50	0.33
MOA	158	267	Sn	533	50.00	-0.86
VYHS	193	71	E Pn	533	37.10	2.53
VYHS	193	71	E Sn	534	01.60	2.89
KHC	246	303	E Pn	533	42.50	1.32
KHC	246	303	E Sn	534	11.20	0.74

October 02 2013      Hour: 17:17:36.0      Lat: 47.962°N      Lon: 16.438°E      Depth: 5.7 km

Magnitude: 3.7ML      Rms: 0.48 s      Gap: 36°      Erh: 1.3 km      Erz: 1.3 km

Locality: Austria

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		32	164	I Pg	D	1717	42.40	0.60							
SOP		32	164	I Sg		1717	46.10	-0.26							
CONA		43	265	Pg		1717	43.40	-0.33							
CONA		43	265	Sg		1717	49.30	-0.50							
ZST		56	62	E Pg		1717	45.90	-0.10							
ZST		56	62	E Sg		1717	53.60	-0.24							
MODS		77	54	E Pg		1717	49.30	-0.52							
MODS		77	54	E Sg		1718	01.10	0.46							
SMOL		95	50	E Pg		1717	53.60	0.50							
SMOL		95	50	E Sg		1718	06.80	0.32							
ARSA		104	221	Pg		1717	53.10	-1.59							
ARSA		104	221	Sg		1718	05.50	-3.81							
SRO		141	97	E Pn		1717	59.70	-0.17							
SRO		141	97	E Sn		1718	20.00	1.48							
SR02		148	99	E Pn		1717	59.40	-1.31							
SR02		148	99	E Sn		1718	21.70	1.67							
VRAC		150	4	I Pn	D	1718	00.90	-0.08							
CSKK		152	116	E Pn	D	1718	01.20	-0.04							
CSKK		152	116	E Sn		1718	19.30	-1.66							
MOA		162	266	Pn		1718	02.50	-0.06							
MOA		162	266	Sn		1718	23.00	-0.31							
TREC		164	335	E Pn		1718	02.70	0.00							
TREC		164	335	E Sn		1718	22.40	-1.16							
BEHE		167	171	E Pn		1718	03.90	0.73							
BEHE		167	171	E Sn		1718	26.90	2.49							
KOGS		168	185	I Pn		1718	02.90	-0.41							
BISS		176	214	I Pn		1718	04.20	-0.06							
SOKA		177	217	Pn		1718	04.40	-0.04							
SOKA		177	217	Sn		1718	25.30	-1.35							
PERS		178	214	I Pn		1718	04.40	-0.06							
GROS		181	203	I Pn		1718	04.60	-0.26							
GROS		181	203	E Sn		1718	24.50	-2.90							
VYHS		187	72	E Pn		1718	05.40	-0.27							
VYHS		187	72	E Sn		1718	30.60	1.76							
BUD		201	105	I Pn	D	1718	07.50	0.16							
BUD		201	105	E Sn		1718	36.60	4.78							
OBKA		215	222	Pn		1718	09.60	0.45							
OBKA		215	222	Sn		1718	38.20	3.15							
MORC		217	22	I Pn		1718	09.90	0.52							

KRLC	236	6	E Pn	1718	12.50	0.77	
KRLC	236	6	E Sn	1718	39.00	-0.64	
OKC	243	31	E Pn	1718	13.10	0.50	
OKC	243	31	E Sn	1718	39.50	-1.68	
KHC	248	302	E Pn	1718	14.00	0.83	
KHC	248	302	E Sn	1718	40.90	-1.30	
KBA	252	247	Pn	1718	14.90	1.12	
KBA	252	247	Sn	1718	45.70	2.42	
MORH	256	139	I Pn	D	1718	13.80	-0.42
MORH	256	139	E Sn		1718	40.40	-3.68
MYKA	258	235	Pn		1718	14.80	0.36
MYKA	258	235	Sn		1718	43.30	-1.17
PSZ	258	91	E Pn	D	1718	14.80	0.34
PSZ	258	91	E Sn		1718	43.30	-1.20
LANS	259	59	E Pn		1718	15.40	0.75
LANS	259	59	E Sn		1718	45.20	0.36
DPC	265	358	E Pn		1718	15.40	0.01
VISS	269	207	I Pn		1718	15.90	0.09
GBAS	271	214	I Pn		1718	16.50	0.36
UPC	284	354	E Pn		1718	17.90	0.13
KECS	306	79	E Pn		1718	20.50	0.05
KECS	306	79	E Sn		1718	54.00	-1.16
ABTA	325	246	Pn		1718	23.70	0.82
ABTA	325	246	Sn		1719	08.10	8.61
SKDS	326	215	I Pn		1718	23.10	0.18
BLY	361	171	I Pn		1718	27.50	0.14
WTTA	369	258	Pn		1718	29.20	0.91
WTTA	369	258	Sn		1719	20.20	11.08
WATA	371	259	Pn		1718	30.20	1.58
WATA	371	259	Sn		1719	21.30	11.61
NKC	385	311	E Pn		1718	31.10	0.76
NKC	385	311	E Sn		1719	25.30	12.54
STHS	389	65	E Pn		1718	31.30	0.53
STHS	389	65	E Sn		1719	14.10	0.57
SQTA	401	258	Pn		1718	33.70	1.34
SQTA	401	258	Sn		1719	15.70	-0.66
MOTA	406	260	Pn		1718	33.60	0.65
MOTA	406	260	Sn		1719	30.30	12.90
LTVH	415	99	E Pn		1718	34.00	-0.03
RETA	429	263	Pn		1718	36.50	0.75
RETA	429	263	Sn		1719	36.50	14.11
SIRR	438	115	I Pn		1718	36.40	-0.57
KOLS	445	76	E Pn		1718	37.80	0.06
KOLS	445	76	E Sn		1719	26.20	0.26
TRPA	455	88	I Pn	D	1718	38.20	-0.83

**October 02 2013      Hour: 19:42:43.3      Lat: 47.960°N      Lon: 16.409°E      Depth: 3.3 km**  
**Magnitude: 2.3ML      Rms: 1.05 s      Gap: 46°      Erh: 1.6 km      Erz: 1.7 km**  
**Locality: Austria      Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		32	160	I Pg	D	1942	49.90	0.76							
SOP		32	160	I Sg		1942	53.60	-0.12							
CONA		41	265	Pg		1942	50.90	0.28							
CONA		41	265	Sg		1942	56.80	0.45							

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ZST	58	63	E Pg	1942	53.40	-0.23
ZST	58	63	E Sg	1943	01.10	-0.61
MODS	79	55	E Pg	1942	56.90	-0.53
MODS	79	55	E Sg	1943	08.00	-0.49
SMOL	97	51	E Pg	1943	01.00	0.30
SMOL	97	51	E Sg	1943	14.90	0.59
ARSA	103	220	Pg	1943	00.90	-0.81
ARSA	103	220	Sg	1943	13.20	-2.90
SRO	143	97	E Pn	1943	07.30	-0.44
SRO	143	97	E Sn	1943	27.00	0.16
SR02	150	98	E Pn	1943	07.10	-1.49
SR02	150	98	E Sn	1943	28.90	0.56
VRAC	150	5	I Pn	D	1943	08.40
CSKK	154	116	E Pn	D	1943	08.70
CSKK	154	116	E Sn		1943	27.30
MOA	160	266	Pn		1943	10.30
MOA	160	266	Sn		1943	29.50
TIH	162	136	E Pn	D	1943	13.80
TIH	162	136	E Sn		1943	32.30
TREC	163	335	E Pn		1943	10.80
TREC	163	335	E Sn		1943	29.90
BEHE	167	170	E Pn		1943	11.90
BEHE	167	170	E Sn		1943	33.90
SOKA	176	216	Pn		1943	12.20
SOKA	176	216	Sn		1943	31.40
VYHS	189	72	E Pn		1943	12.80
VYHS	189	72	E Sn		1943	37.80
OBKA	214	221	Pn		1943	17.30
OBKA	214	221	Sn		1943	45.10
MORC	218	22	I Pn	D	1943	17.30
OKC	244	31	E Pn		1943	20.80
OKC	244	31	E Sn		1943	47.20
KHC	246	302	E Pn		1943	21.70
KHC	246	302	E Sn		1943	48.80
GOPC	247	331	E Pn		1943	21.80
KBA	250	247	Pn		1943	22.60
KBA	250	247	Sn		1943	53.70
MYKA	256	235	Pn		1943	27.10
MYKA	256	235	Sn		1943	50.80
MORH	257	139	E Pn	D	1943	21.40
MORH	257	139	E Sn		1943	47.40
PSZ	260	91	E Pn	D	1943	22.90
PSZ	260	91	E Sn		1943	53.00
LANS	261	60	E Pn		1943	22.80
LANS	261	60	E Sn		1943	52.40
PRU	263	329	E Pn		1943	23.90
PRU	263	329	E Sn		1943	53.50
DPC	265	359	E Pn		1943	23.40
DPC	265	359	E Sn		1943	59.50
UPC	284	354	E Sn		1944	05.50
KECS	308	79	E Pn		1943	28.20
KECS	308	79	E Sn		1944	01.90
ABTA	323	245	Pn		1943	37.30

ABTA	323	245	Sn	1944	16.70	9.81
BZS	475	123	I Pn	D	1943	48.60
DRGR	493	105	I Pn		1943	50.40
DAVA	496	261	Pn		1943	52.90
MDVR	539	131	I Pn	D	1943	57.20
BURB	661	93	I Pn		1944	11.00

**October 03 2013**      Hour: 00:18:23.3      Lat: 47.950°N      Lon: 16.381°E      Depth: 4.9 km  
**Magnitude: 1.3ML**      Rms: 0.83 s      Gap: 75°      Erh: 2.1 km      Erz: 2.4 km  
**Locality: Austria**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		32	156	E Pg	D	018	29.90	0.77							
SOP		32	156	E Sg		018	33.70	-0.01							
CONA		38	266	Pg		018	30.70	0.43							
CONA		38	266	Sg		018	36.00	0.27							
ZST		60	63	E Pg		018	33.80	-0.28							
ZST		60	63	E Sg		018	41.70	-0.80							
MODS		81	55	E Pg		018	37.10	-0.77							
MODS		81	55	E Sg		018	48.90	-0.36							
SMOL		99	51	E Pg		018	41.70	0.56							
SMOL		99	51	E Sg		018	55.10	0.03							
ARSA		101	220	Pg		018	40.80	-0.54							
ARSA		101	220	Sg		018	52.40	-3.03							
MOA		158	266	Pn		018	49.90	0.45							
MOA		158	266	Sn		019	09.70	-0.17							
TREC		163	336	E Pn		018	50.60	0.54							
TREC		163	336	E Sn		019	09.70	-1.25							
VYHS		192	72	E Pn		018	53.20	-0.44							
VYHS		192	72	E Sn		019	17.50	0.17							
KHC		245	302	E Pn		019	02.90	2.65							
KHC		245	302	E Sn		019	28.30	-0.79							
GOPC		247	332	E Sn		019	34.50	4.85							
KBA		248	247	Sn		019	32.70	2.88							
MORH		258	138	E Pn	C	019	01.50	-0.38							
PRU		263	329	E Sn		019	32.60	-0.60							

**October 03 2013**      Hour: 04:44:54.6      Lat: 45.895°N      Lon: 20.726°E      Depth: 11.8 km  
**Magnitude: 2.0ML**      Rms: 0.28 s      Gap: 135°      Erh: 2.5 km      Erz: 2.2 km  
**Locality: Romania**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BZS		75	114	I Pg		445	08.40	0.11							
SIRR		83	60	I Pg		445	09.40	-0.20							
MDVR		145	148	I Pn		445	18.50	0.21							
MORH		165	282	I Pn	D	445	20.70	0.03							
MORH		165	282	E Sn		445	39.10	-1.92							
GZR		169	109	I Pn		445	21.10	-0.11							
HERR		173	130	I Pn		445	21.30	-0.47							
DRGR		182	57	I Pn	D	445	23.30	0.44							
PSZ		233	344	E Pn		445	29.80	0.56							
PSZ		233	344	E Sn		445	55.40	-0.88							

**October 03 2013**      Hour: 10:17:10.9      Lat: 47.586°N      Lon: 16.350°E      Depth: 1.3 km  
**Magnitude: 1.3ML**      Rms: 0.78 s      Gap: 178°      Erh: 2.7 km      Erz: 2.7 km  
**Locality: Austria**

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STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		19	55	E Pg	C	1017	14.50	0.19							
SOP		19	55	E Sg		1017	17.20	0.24							
CONA		52	316	Pg		1017	20.40	0.06							
CONA		52	316	Sg		1017	27.40	-0.30							
ARSA		72	239	Pg		1017	23.70	-0.20							
ARSA		72	239	Sg		1017	33.30	-0.73							
MODS		111	38	E Pg		1017	29.40	-1.44							
MODS		111	38	E Sg		1017	45.10	-1.28							
SMOL		130	38	E Pn		1017	34.10	0.02							
SMOL		130	38	E Sn		1017	51.90	-0.25							
MOA		159	281	Pn		1017	38.50	0.89							
MOA		159	281	Sn		1017	59.20	0.76							
VYHS		211	61	E Pn		1017	46.80	2.71							
VYHS		211	61	E Sn		1018	13.90	3.93							
KBA		234	256	Sn		1018	20.70	5.61							

October 06 2013      Hour: 10:53:52.8      Lat: 47.834°N      Lon: 16.204°E      Depth: 2.7 km

Magnitude: 1.9ML      Rms: 1.17 s      Gap: 53°      Erh: 2.1 km      Erz: 2.3 km

Locality: Austria

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CONA		27	292	Pg		1053	57.70	-0.01							
CONA		27	292	Sg		1054	02.30	0.71							
SOP		31	122	E Pg	C	1053	59.10	0.72							
SOP		31	122	E Sg		1054	03.30	0.53							
ZST		78	59	E Pg		1054	06.40	-0.32							
ZST		78	59	E Sg		1054	16.90	-0.71							
ARSA		82	218	Pg		1054	06.80	-0.73							
ARSA		82	218	Sg		1054	17.20	-1.85							
MODS		99	53	E Pg		1054	09.90	-0.70							
MODS		99	53	E Sg		1054	23.10	-1.42							
SMOL		118	50	E Pg		1054	14.20	0.31							
SMOL		118	50	E Sg		1054	30.20	-0.17							
MOA		145	271	Pn		1054	17.30	-0.23							
MOA		145	271	Sn		1054	35.80	-1.05							
SOKA		156	215	Pn		1054	19.00	0.09							
SOKA		156	215	Sn		1054	38.00	-1.31							
BEHE		157	164	E Pn		1054	22.60	3.50							
BEHE		157	164	E Sn		1054	47.00	7.34							
TREC		170	342	E Pn		1054	20.80	0.07							
TREC		170	342	E Sn		1054	41.10	-1.46							
OBKA		193	220	Pn		1054	23.50	-0.07							
OBKA		193	220	Sn		1054	50.10	2.50							
VYHS		209	69	E Pn		1054	25.20	-0.31							
VYHS		209	69	E Sn		1054	49.20	-1.86							
KBA		231	249	Pn		1054	27.80	-0.49							
KBA		231	249	Sn		1054	54.70	-1.31							
MYKA		235	235	Pn		1054	33.20	4.37							
MYKA		235	235	Sn		1054	57.40	0.42							
KHC		241	307	E Pn		1054	31.60	2.01							
KHC		241	307	E Sn		1055	00.70	2.38							
KRLC		252	10	E Pn		1054	31.40	0.45							
KRLC		252	10	E Sn		1055	00.00	-0.75							
MORH		258	134	E Pn	D	1054	31.40	-0.26							

MORH	258	134	E Sn	1055	01.70	-0.31
PRU	268	333	E Sn	1055	07.60	3.30
DPC	279	2	E Pn	1054	38.30	3.96
DPC	279	2	E Sn	1055	11.60	4.82
WTTA	349	260	Pn	1054	42.70	-0.33

**October 06 2013**      Hour: 11:08:21.0      Lat: 47.911°N      Lon: 18.972°E      Depth: 10.0 km  
**Magnitude: 1.2ML**      Rms: 1.48 s      Gap: 98°      Erh: 9.1 km      Erz: 81.8 km  
**Locality: Kóspallag**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		47	175	E Sg		1108	34.80	-1.72							
SRO		50	258	E Pg		1108	32.90	2.69							
VYHS		65	351	E Pg		1108	32.50	-0.37							
VYHS		65	351	E Sg		1108	41.10	-1.01							
PSZ		69	89	E Pg		1108	32.80	-0.67							
PSZ		69	89	E Sg		1108	44.90	1.72							

**October 08 2013**      Hour: 07:59:58.7      Lat: 46.205°N      Lon: 16.604°E      Depth: 10.0 km  
**Magnitude: 1.5ML**      Rms: 0.36 s      Gap: 154°      Erh: 1.7 km      Erz: 1.1 km  
**Locality: Croatia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		32	24	E Pg	D	800	05.00	0.28							
BEHE		32	24	E Sg		800	08.90	-0.53							
KOGS		38	315	I Pg		800	05.90	0.12							
KOGS		38	315	I Sg		800	11.10	-0.20							
GOLS		78	254	I Pg		800	12.90	0.03							
GCIS		84	244	I Pg		800	13.70	-0.17							
SOKA		131	294	Pn		800	20.90	0.03							
SOKA		131	294	Sn		800	37.90	-0.27							
ARSA		142	325	Pn		800	22.90	0.67							
ARSA		142	325	Sn		800	40.00	-0.59							
MORH		157	90	E Pn		800	23.40	-0.67							
OBKA		161	282	Pn		800	26.70	2.08							
OBKA		161	282	Sn		800	45.10	0.26							

**October 10 2013**      Hour: 02:02:32.0      Lat: 47.879°N      Lon: 18.831°E      Depth: 10.0 km  
**Magnitude: 2.3ML**      Rms: 1.03 s      Gap: 46°      Erh: 2.2 km      Erz: 1.9 km  
**Locality: Márianosztra**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SR02		35	248	E Pg		202	37.40	-1.18							
SR02		35	248	E Sg		202	42.60	-1.08							
SRO		39	259	E Pg		202	41.00	1.69							
SRO		39	259	E Sg		202	45.30	0.32							
BUD		46	162	E Pg		202	40.70	0.19							
BUD		46	162	E Sg		202	46.50	-0.61							
VYHS		68	0	E Pg		202	44.70	0.31							
VYHS		68	0	E Sg		202	53.40	-0.61							
CSKK		71	217	E Pg	D	202	44.60	-0.37							
CSKK		71	217	E Sg		202	54.20	-0.84							
PSZ		79	87	E Pg	C	202	45.80	-0.59							
PSZ		79	87	E Sg		202	56.90	-0.68							
MPLH		125	231	E Pn	C	202	53.90	0.48							
MPLH		125	231	E Sn		203	10.30	0.22							
MODS		128	295	E Pn		202	53.40	-0.37							

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MODS	128	295	E Sn	203	08.60	-2.12	
TIH	129	213	E Pn	D	202	54.40	0.40
TIH	129	213	E Sn		203	13.10	1.98
ZST	133	285	E Sn		203	09.90	-2.05
KECS	140	61	E Pn		202	55.50	0.21
KECS	140	61	E Sn		203	12.70	-0.72
LANS	149	18	E Pn		202	58.00	1.61
LANS	149	18	E Sn		203	15.70	0.33
SOP	171	263	E Pn		203	01.60	2.38
SOP	171	263	E Sn		203	23.00	2.60
MORH	185	184	E Pn	D	203	01.00	0.07
MORH	185	184	E Sn		203	21.90	-1.56
BEHE	220	225	E Pn		203	11.50	6.14
CONA	222	271	Pn		203	06.30	0.80
CONA	222	271	Sn		203	31.90	0.32
VRAC	229	314	I Pn	D	203	06.30	-0.08
TRPA	278	84	I Pn		203	07.00	-5.49
SIRR	279	130	I Pn	D	203	13.20	0.50
DRGR	317	112	I Pn	D	203	17.00	-0.37
BZS	329	140	I Pn		203	20.40	1.50
DPC	330	326	E Pn		203	21.40	2.42
DPC	330	326	E Sn		203	55.20	-0.39
GZR	409	132	I Pn	D	203	31.40	2.53
KHC	412	290	E Pn		203	30.50	1.28
KHC	412	290	E Sn		204	12.60	-1.22
LOT	464	126	I Pn		203	36.90	1.15

October 10 2013      Hour: 02:23:14.4      Lat: 47.820°N      Lon: 18.896°E      Depth: 0.8 km  
 Magnitude: 1.1ML      Rms: 0.94 s      Gap: 122°      Erh: 2.2 km      Erz: — km  
 Locality: Szob      Comments: felt, 2 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		38	166	E Sg		223	25.00	-1.71							
CSKK		69	223	E Pg		223	28.00	1.12							
VYHS		75	357	E Pg		223	28.10	0.27							
VYHS		75	357	E Sg		223	36.70	-1.59							
PSZ		75	82	E Pg	D	223	28.50	0.59							
PSZ		75	82	E Sg		223	38.30	-0.13							
MPLH		125	235	E Pg	D	223	37.20	0.42							
MPLH		125	235	E Sg		223	53.50	-0.71							

October 10 2013      Hour: 07:08:12.1      Lat: 46.547°N      Lon: 17.779°E      Depth: 5.2 km  
 Magnitude: 1.5ML      Rms: 0.40 s      Gap: 145°      Erh: 1.7 km      Erz: 24.0 km  
 Locality: Somogygeszti      Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		40	13	I Pg	C	708	19.30	0.01							
TIH		40	13	E Sg		708	24.70	-0.23							
MPLH		71	345	E Pg		708	25.60	0.73							
MPLH		71	345	E Sg		708	34.60	-0.28							
MORH		76	119	E Pg		708	25.90	0.23							
MORH		76	119	E Sg		708	36.30	0.01							
BEHE		77	264	E Sg		708	36.40	-0.33							
CSKK		97	22	E Pg		708	28.90	-0.65							
CSKK		97	22	E Sg		708	43.10	-0.10							

**October 10 2013**      Hour: 11:01:50.5      Lat: 48.662°N      Lon: 20.135°E      Depth: 1.6 km  
**Magnitude: 2.2ML**      Rms: 0.64 s      Gap: 86°      Erh: 1.5 km      Erz: 2.3 km  
**Locality: Slovakia**

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
KECS 32 128 E Pg 1101 56.00 -0.36  
KECS 32 128 E Sg 1102 00.00 -0.91  
LANS 73 318 E Pg 1102 04.30 0.73  
LANS 73 318 E Sg 1102 13.50 -0.25  
PSZ 84 192 E Pg D 1102 05.50 -0.14  
PSZ 84 192 E Sg 1102 17.40 -0.03  
VYHS 97 259 E Pg 1102 08.00 0.04  
VYHS 97 259 E Sg 1102 20.80 -0.77  
STHS 116 44 E Pg 1102 10.40 -0.95  
KOLS 159 79 E Pn 1102 19.00 1.71  
KOLS 159 79 E Sn 1102 38.80 0.62  
TRPA 187 108 E Pn 1102 21.10 0.36  
TRPA 187 108 E Sn 1102 46.80 2.48  
CSKK 201 224 E Pn 1102 22.80 0.37  
MODS 213 261 E Pn 1102 24.20 0.22  
MORH 294 202 E Pn D 1102 33.50 -0.56

**October 10 2013**      Hour: 11:11:45.7      Lat: 48.375°N      Lon: 19.844°E      Depth: 0.4 km  
**Magnitude: 1.8ML**      Rms: 0.50 s      Gap: 104°      Erh: 2.0 km      Erz: — km  
**Locality: Slovakia**

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
KECS 49 76 E Pg 1111 54.40 -0.06  
KECS 49 76 E Sg 1112 00.60 -0.69  
PSZ 50 176 E Pg D 1111 54.80 -0.01  
PSZ 50 176 E Sg 1112 01.70 -0.21  
VYHS 75 280 E Pg 1111 59.30 0.06  
VYHS 75 280 E Sg 1112 08.90 -0.89  
LANS 90 342 E Pg 1112 03.00 1.11

**October 14 2013**      Hour: 02:34:26.3      Lat: 47.943°N      Lon: 16.416°E      Depth: 0.6 km  
**Magnitude: 1.5ML**      Rms: 1.05 s      Gap: 78°      Erh: 2.4 km      Erz: 3.4 km  
**Locality: Austria**

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
SOP 30 160 I Pg D 234 32.60 0.82  
SOP 30 160 I Sg 234 36.20 0.14  
CONA 41 268 Pg 234 34.10 0.41  
CONA 41 268 Sg 234 39.50 0.04  
ZST 58 61 E Pg 234 36.10 -0.62  
MODS 80 53 E Pg 234 39.50 -1.08  
MODS 80 53 E Sg 234 50.70 -1.02  
ARSA 102 221 Pg 234 44.00 -0.53  
ARSA 102 221 Sg 234 56.60 -2.15  
MPLH 120 135 E Sg 235 04.00 -0.60  
MOA 161 266 Pn 234 53.70 0.37  
MOA 161 266 Sn 235 13.60 -0.83  
TREC 165 336 E Pn 234 53.90 0.05  
TREC 165 336 E Sn 235 12.70 -2.65  
VYHS 190 71 E Pn 234 59.30 2.36  
VYHS 190 71 E Sn 235 23.80 2.95  
KHC 247 302 E Pn 235 05.70 1.56

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KHC	247	302	E	Sn	235	34.10	0.44
GOPC	249	331	E	Sn	235	37.00	2.92
KBA	250	247		Pn	235	06.00	1.52
KBA	250	247		Sn	235	36.00	1.72
PRU	265	329	E	Sn	235	40.40	2.76

**October 16 2013**      **Hour: 14:46:00.2**      **Lat: 48.135°N**      **Lon: 16.979°E**      **Depth: 3.2 km**  
**Magnitude: 1.8ML**      **Rms: 0.68 s**      **Gap: 79°**      **Erh: 2.0 km**      **Erz: 1.9 km**  
**Locality: Austria**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ZST	11	54	E	Pg	1446	02.50	0.17								
ZST	11	54	E	Sg	1446	04.10	0.11								
MODS	34	40	E	Pg	1446	06.00	-0.41								
MODS	34	40	E	Sg	1446	10.70	-0.55								
SMOL	53	38	E	Pg	1446	10.40	0.58								
SMOL	53	38	E	Sg	1446	16.70	-0.62								
SOP	59	212	E	Pg	C	1446	10.90	0.09							
CONA	86	255		Pg	1446	15.70	0.04								
CONA	86	255		Sg	1446	26.30	-1.41								
MPLH	115	159	E	Pg	1446	21.80	0.99								
MPLH	115	159	E	Sg	1446	35.10	-1.77								
VYHS	143	74	E	Pn	1446	25.60	0.88								
VYHS	143	74	E	Sn	1446	41.80	-2.04								
ARSA	147	228		Pn	1446	25.10	-0.07								
ARSA	147	228		Sn	1446	44.50	-0.14								
TREC	169	320	E	Pn	1446	28.10	0.14								
TREC	169	320	E	Sn	1446	48.30	-1.29								
MOA	205	261		Pn	1446	33.00	0.60								
MOA	205	261		Sn	1446	58.80	1.30								
MORH	247	149	E	Pn	D	1446	37.50	-0.25							
KHC	274	294	E	Pn		1446	41.70	0.69							
KHC	274	294	E	Sn		1447	15.00	2.17							

**October 18 2013**      **Hour: 10:58:30.9**      **Lat: 48.369°N**      **Lon: 19.840°E**      **Depth: 0.0 km**  
**Magnitude: 1.8ML**      **Rms: 0.45 s**      **Gap: 105°**      **Erh: 1.8 km**      **Erz: — km**  
**Locality: Slovakia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS	49	75	E	Pg	1058	39.50	-0.20								
KECS	49	75	E	Sg	1058	46.00	-0.59								
PSZ	50	175	E	Pg	D	1058	40.00	0.15							
PSZ	50	175	E	Sg		1058	47.00	0.15							
VYHS	75	281	E	Pg		1058	44.60	0.22							
VYHS	75	281	E	Sg		1058	54.20	-0.71							
LANS	91	343	E	Pg		1058	48.00	0.85							
LANS	91	343	E	Sg		1058	59.50	-0.35							

**October 19 2013**      **Hour: 02:58:05.7**      **Lat: 47.675°N**      **Lon: 17.984°E**      **Depth: 10.0 km**  
**Magnitude: 1.3ML**      **Rms: 0.75 s**      **Gap: 100°**      **Erh: 1.8 km**      **Erz: 2.4 km**  
**Locality: Bábolna**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO	29	58	E	Pg		258	12.20	0.97							
SRO	29	58	E	Sg		258	16.00	0.48							
SR02	32	72	E	Pg		258	10.90	-0.87							
SR02	32	72	E	Sg		258	15.80	-0.67							

CSKK	40	149	E Pg	258	13.50	0.33
CSKK	40	149	E Sg	258	18.50	-0.48
MPLH	65	211	E Pg	258	17.90	0.35
MPLH	65	211	E Sg	258	27.00	0.24
TIH	86	185	E Sg	258	32.60	-0.79
ZST	87	311	E Sg	258	33.40	-0.40
MODS	93	326	E Pg	258	22.90	0.31
MODS	93	326	E Sg	258	34.90	-0.84
SMOL	102	336	E Pg	258	26.20	2.16
SMOL	102	336	E Sg	258	37.30	-1.02
VYHS	111	35	E Pn	258	25.70	0.37
VYHS	111	35	E Sn	258	39.30	-1.32
PSZ	145	79	E Sn	258	48.50	0.19

October 19 2013      Hour: 07:02:44.0      Lat: 47.678°N      Lon: 17.977°E      Depth: 4.8 km

Magnitude: 3.0ML      Rms: 0.55 s      Gap: 43°      Erh: 1.1 km      Erz: 1.3 km

Locality: Bábola

Comments: felt, 5 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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SRO		29	59	E Pg	702	50.50		1.15							
SRO		29	59	E Sg	702	54.40		0.90							
SR02		32	73	E Pg	702	49.40		-0.53							
SR02		32	73	E Sg	702	54.10		-0.43							
CSKK		41	149	Pg	702	51.30		-0.10							
CSKK		41	149	E Sg	702	56.80		-0.35							
MPLH		65	210	Pg	702	55.60		-0.14							
BUD		81	105	Pg	702	58.60		-0.04							
TIH		86	184	Pg	702	59.70		0.16							
ZST		87	311	E Pg	702	59.30		-0.31							
ZST		87	311	E Sg	703	11.40		-0.37							
MODS		93	326	E Pg	703	00.60		-0.12							
MODS		93	326	E Sg	703	13.30		-0.44							
SMOL		101	336	E Pg	703	02.80		0.62							
SMOL		101	336	E Sg	703	15.90		-0.44							
SOP		106	270	Pg	703	03.30		0.23							
VYHS		111	35	E Pg	703	03.70		-0.18							
VYHS		111	35	E Sg	703	17.90		-1.46							
PSZ		146	79	Pn	703	08.80		0.14							
CONA		160	280	Pn	703	10.20		-0.31							
CONA		160	280	Sn	703	32.40		1.24							
BEHE		162	214	Pn	703	11.10		0.41							
MORH		170	163	Pn	703	10.90		-0.78							
ARSA		191	256	Pn	703	14.50		0.24							
ARSA		191	256	Sn	703	36.40		-1.44							
LANS		197	34	E Pn	703	16.10		1.03							
LANS		197	34	E Sn	703	42.10		2.82							
KECS		207	64	E Pn	703	16.30		0.01							
KECS		207	64	E Sn	703	44.60		3.15							
VRAC		208	331	I Pn	703	16.50		0.10							
MORC		235	352	I Pn	D	703	19.80	-0.02							
SOKA		249	244	Pn	703	21.60		0.07							
SOKA		249	244	Sn	703	56.90		6.11							
TREC		257	314	E Sn	703	50.60		-1.96							
MOA		278	274	Pn	703	27.10		1.88							
MOA		278	274	Sn	704	01.20		3.86							

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OBKA	290	243	Pn	703	27.00	0.28	
OBKA	290	243	Sn	703	58.40	-1.61	
STHS	309	51	E Pn	703	29.30	0.31	
STHS	309	51	E Sn	704	15.00	10.94	
DPC	320	338	E Pn	703	31.20	0.74	
DPC	320	338	E Sn	704	04.40	-2.27	
SIRR	321	119	I Pn	D	703	30.30	-0.18
BLY	331	191	I Pn	D	703	32.10	0.35
KOLS	348	66	E Pn	703	35.60	1.77	
KOLS	348	66	E Sn	704	24.00	11.33	
MYKA	348	250	Pn	703	33.10	-0.84	
MYKA	348	250	Sn	704	09.90	-2.97	
BANR	351	136	I Pn	703	35.30	0.98	
KBA	356	259	Pn	703	35.60	0.75	
KBA	356	259	Sn	704	12.50	-1.99	
PRU	360	316	E Pn	703	34.80	-0.54	
PRU	360	316	E Sn	704	12.50	-2.86	
KHC	363	296	E Pn	703	36.50	0.72	
KHC	363	296	E Sn	704	13.10	-3.04	
DRGR	371	105	I Pn	D	703	37.10	0.30
ABTA	426	256	Pn	703	45.40	1.75	
ABTA	426	256	Sn	704	48.80	18.65	
MDVR	432	138	I Pn	D	703	44.80	0.48
HERR	462	132	I Pn	703	49.20	1.11	
WTTA	480	265	Pn	703	52.10	1.78	
SQTA	513	264	Pn	703	56.00	1.59	
SQTA	513	264	Sn	704	45.30	-4.00	
MOTA	519	266	Pn	703	58.60	3.43	
BURB	544	91	I Pn	D	703	57.70	-0.58
FETA	552	262	Pn	704	00.00	0.67	

**October 19 2013**      Hour: 08:58:18.6      Lat: 47.708°N      Lon: 17.991°E      Depth: 11.8 km  
**Magnitude: 1.3ML**      Rms: 0.42 s      Gap: 115°      Erh: 1.5 km      Erz: 1.7 km  
**Locality: Ács**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO		26	64	E Pg		858	24.50	0.64							
SRO		26	64	E Sg		858	28.40	0.45							
SR02		30	79	E Sg		858	28.60	-0.52							
CSKK		43	152	E Pg		858	26.60	-0.04							
CSKK		43	152	E Sg		858	30.90	-2.00							
MPLH		68	210	E Sg		858	41.00	0.20							
MODS		91	324	E Pg		858	35.00	-0.03							
MODS		91	324	E Sg		858	47.40	-0.44							
SMOL		98	335	E S*		858	49.90	-0.20							
VYHS		107	36	E Pn		858	38.00	0.43							
VYHS		107	36	E Sn		858	51.70	-0.65							

**October 20 2013**      Hour: 06:51:27.4      Lat: 47.658°N      Lon: 17.998°E      Depth: 16.3 km  
**Magnitude: 1.2ML**      Rms: 0.53 s      Gap: 113°      Erh: 2.5 km      Erz: 1.9 km  
**Locality: Bábolna**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO		29	54	E Pg		651	33.70	0.27							
SRO		29	54	E Sg		651	37.40	-0.70							
CSKK		38	149	E Pg	D	651	35.00	0.13							

CSKK	38	149	E Sg	651	39.90	-0.77
MPLH	64	213	E Pg	651	39.70	0.41
MPLH	64	213	E Sg	651	51.40	2.86
TIH	84	185	E S*	651	54.50	0.19
MODS	96	326	E P*	651	43.70	-0.56
MODS	96	326	E S*	651	56.30	-1.08
SMOL	104	336	E Sn	651	59.80	0.44
VYHS	112	34	E Pn	651	47.10	0.75
VYHS	112	34	E Sn	652	00.70	-0.40

**October 20 2013      Hour: 14:32:56.2      Lat: 47.679°N      Lon: 16.132°E      Depth: 7.5 km**

**Magnitude: 2.8ML      Rms: 0.84 s      Gap: 69°      Erh: 1.5 km      Erz: 1.4 km**

**Locality: Austria**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP	32	89	E	Pg	D	1433	02.60	0.50							
CONA	34	324		Pg		1433	02.20	-0.32							
CONA	34	324		Sg		1433	08.20	0.78							
ARSA	66	224		Pg		1433	07.80	-0.32							
ARSA	66	224		Sg		1433	16.20	-1.20							
ZST	92	52	E	Pg		1433	10.90	-1.91							
ZST	92	52	E	Sg		1433	24.50	-1.25							
MODS	115	48	E	Pn		1433	14.40	-2.27							
MODS	115	48	E	Sn		1433	31.20	-1.41							
MPLH	120	118	E	Pn		1433	17.50	0.19							
MPLH	120	118	E	Sn		1433	33.30	-0.44							
SMOL	134	46	E	Pn		1433	19.00	-0.01							
SMOL	134	46	E	Sn		1433	36.60	-0.18							
BISS	137	214	I	Pn		1433	19.90	0.43							
SOKA	139	217		Pn		1433	19.30	-0.34							
SOKA	139	217		Sn		1433	37.70	-0.20							
PERS	139	214	I	Pn		1433	19.60	-0.06							
MOA	141	278		Pn		1433	20.40	0.49							
MOA	141	278		Sn		1433	37.80	-0.59							
GROS	143	199	I	Pn		1433	20.80	0.59							
TIH	158	123	E	Pn		1433	23.60	1.49							
CSKK	164	102	E	Pn		1433	25.70	2.93							
CSKK	164	102	E	Sn		1433	42.90	-0.56							
SRO	164	85	E	Pn		1433	22.80	0.01							
SRO	164	85	E	Sn		1433	44.50	1.00							
SR02	169	87	E	Pn		1433	23.50	0.00							
SR02	169	87	E	Sn		1433	43.60	-1.17							
OBKA	177	223		Pn		1433	25.90	1.51							
VRAC	184	11	I	Pn	D	1433	25.70	0.40							
TREC	185	345	E	Pn		1433	26.50	1.01							
TREC	185	345	E	Sn		1433	47.80	-0.51							
VYHS	220	66	E	Pn		1433	29.50	-0.35							
VYHS	220	66	E	Sn		1433	56.40	0.33							
KHC	248	310	E	Pn		1433	35.70	2.38							
KHC	248	310	E	Sn		1434	02.00	-0.24							
MORH	251	130	E	Pn	D	1433	34.10	0.49							
MORH	251	130	E	Sn		1434	00.50	-2.26							
MORC	255	24	I	Pn	D	1433	33.50	-0.65							
GOPC	267	338	E	Pn		1433	36.20	0.54							
GOPC	267	338	E	Sn		1434	04.80	-1.62							

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KRLC	270	10	E Pn	1433	36.70	0.63
KRLC	270	10	E Sn	1434	06.30	-0.84
OKC	282	32	E Pn	1433	39.60	2.12
OKC	282	32	E Sn	1434	09.30	-0.36
PSZ	283	85	E Pn	1433	38.30	0.69
PSZ	283	85	E Sn	1434	08.80	-1.08
LANS	296	56	E Pn	1433	40.60	1.35
LANS	296	56	E Sn	1434	13.10	0.31
DPC	297	3	E Pn	1433	41.20	1.81
DPC	297	3	E Sn	1434	18.20	5.14
UPC	314	358	E Sn	1434	22.90	6.01
BLY	335	166	I Pn	1433	46.20	2.04
PVCC	336	340	E Sn	1434	30.20	8.40
NKC	391	316	E Pn	1433	53.20	2.04
NKC	391	316	E Sn	1434	47.30	13.29
BZS	478	119	I Pn	D	1434	01.50
DRGR	507	101	I Pn		1434	04.00
BURB	682	91	I Pn	D	1434	25.60
						-1.82

**October 22 2013**      Hour: 12:20:26.9      Lat: 47.201°N      Lon: 18.350°E      Depth: 0.0 km  
**Magnitude: 0.9ML**      Rms: 0.32 s      Gap: 189°      Erh: 3.2 km      Erz: — km  
**Locality: Székesfehérvár**      Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK	19	339	E	Pg	D	1220	30.30	0.02							
CSKK	19	339	E	Sg		1220	32.70	-0.26							
MPLH	61	267	E	Sg		1220	46.60	0.18							
MORH	111	168	E	Pg		1220	47.40	0.58							
MORH	111	168	E	Sg		1221	01.90	-0.50							

**October 23 2013**      Hour: 00:06:57.4      Lat: 47.680°N      Lon: 16.140°E      Depth: 0.7 km  
**Magnitude: 1.2ML**      Rms: 1.14 s      Gap: 87°      Erh: 2.3 km      Erz: 2.7 km  
**Locality: Austria**      Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP	31	89	I	Pg	D	007	03.50	0.45							
SOP	31	89	E	Sg		007	07.20	-0.23							
CONA	34	323		Pg		007	03.20	-0.41							
CONA	34	323		Sg		007	09.10	0.67							
ARSA	66	224		Pg		007	08.90	-0.43							
ARSA	66	224		Sg		007	17.30	-1.32							
ZST	92	51	E	Pg		007	13.00	-0.87							
ZST	92	51	E	Sg		007	25.60	-1.09							
MODS	114	48	E	Pg		007	18.40	0.49							
MODS	114	48	E	Sg		007	32.30	-1.59							
MPLH	119	118	E	Pg		007	20.20	1.36							
MPLH	119	118	E	Sg		007	35.20	-0.33							
SMOL	133	46	E	Pn		007	22.00	0.97							
SMOL	133	46	E	Sn		007	37.90	-1.53							
SOKA	139	217		Pn		007	20.70	-1.07							
MOA	141	278		Pn		007	22.10	0.04							
MOA	141	278		Sn		007	39.00	-2.26							
SR02	169	87	E	Sn		007	47.20	-0.20							
OBKA	177	223		Pn		007	28.20	1.67							
VYHS	220	66	E	Pn		007	35.00	3.14							
VYHS	220	66	E	Sn		008	00.40	1.69							

KBA	221	252	Pn	007	34.70	2.71	
KBA	221	252	Sn	008	02.00	3.05	
KHC	249	310	E Pn	007	35.20	-0.23	
KHC	249	310	E Sn	008	06.30	1.23	
MORH	250	130	E Pn	D	007	35.00	-0.64
MORH	250	130	E Sn		008	01.40	-4.04
PRU	282	335	E Pn		007	40.50	0.92
PRU	282	335	E Sn		008	15.60	3.15
DPC	297	3	E Sn		008	19.40	3.62

**October 23 2013      Hour: 19:34:53.1      Lat: 47.935°N      Lon: 16.429°E      Depth: 8.2 km**

**Magnitude: 2.1ML      Rms: 0.90 s      Gap: 56°      Erh: 1.5 km      Erz: 1.4 km**

**Locality: Austria**

**Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		29	161	E Pg	D	1934	59.60	0.95							
SOP		29	161	E Sg		1935	03.30	0.37							
CONA		42	269	Pg		1935	00.90	0.04							
CONA		42	269	Sg		1935	06.80	-0.07							
ZST		58	60	E Pg		1935	03.10	-0.51							
ZST		58	60	E Sg		1935	10.80	-0.97							
MODS		79	52	E Pg		1935	06.60	-0.87							
MODS		79	52	E Sg		1935	17.90	-0.74							
SMOL		98	49	E Pg		1935	11.20	0.43							
SMOL		98	49	E Sg		1935	24.00	-0.50							
ARSA		102	222	Pg		1935	10.60	-0.85							
ARSA		102	222	Sg		1935	23.00	-2.73							
MPLH		119	135	E Pn	C	1935	15.80	1.79							
MPLH		119	135	E Sn		1935	30.00	-0.27							
SRO		141	95	E Pn		1935	17.00	0.21							
SR02		148	97	E Pn		1935	16.90	-0.73							
SR02		148	97	E Sn		1935	38.90	2.18							
CSKK		151	115	E Pn		1935	18.50	0.46							
CSKK		151	115	E Sn		1935	36.30	-1.15							
MOA		162	267	Pn		1935	19.80	0.47							
MOA		162	267	Sn		1935	39.20	-0.55							
TREC		166	335	E Pn		1935	21.10	1.22							
TREC		166	335	E Sn		1935	39.70	-1.02							
SOKA		175	217	Pn		1935	21.60	0.63							
SOKA		175	217	Sn		1935	41.20	-1.47							
VYHS		189	71	E Pn		1935	22.60	-0.15							
VYHS		189	71	E Sn		1935	47.70	1.87							
OBKA		213	222	Pn		1935	26.20	0.50							
OBKA		213	222	Sn		1935	51.00	-0.09							
KRLC		239	6	E Sn		1935	56.10	-0.83							
OKC		246	31	E Sn		1935	56.70	-1.75							
KHC		249	302	E Pn		1935	31.50	1.32							
KHC		249	302	E Sn		1936	01.80	2.74							
GOPC		250	331	E Pn		1935	32.30	1.90							
KBA		251	248	Pn		1935	30.10	-0.34							
KBA		251	248	Sn		1935	59.30	-0.23							
MORH		254	139	E Pn	D	1935	31.20	0.31							
MORH		254	139	E Sn		1935	57.80	-2.52							
MYKA		256	235	Pn		1935	31.00	-0.05							
MYKA		256	235	Sn		1936	00.50	-0.11							

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LANS	262	59	E	Pn	1935	32.80	1.00
LANS	262	59	E	Sn	1936	02.20	0.26
PRU	266	329	E	Sn	1936	02.80	-0.23
ABTA	324	246		Pn	1935	42.70	3.16
ABTA	324	246		Sn	1936	15.50	-0.23

**October 24 2013**      Hour: 11:16:23.5      Lat: 48.649°N      Lon: 20.685°E      Depth: 0.0 km  
**Magnitude: 1.7ML**      Rms: 0.72 s      Gap: 141°      Erh: 2.8 km      Erz: 4.9 km  
**Locality: Slovakia**      Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		23	219	E	Pg	1116	27.40	-0.36							
KECS		23	219	E	Sg	1116	31.30	0.25							
STHS		94	26	E	Sg	1116	53.30	-0.31							
PSZ		100	216	E	Pg	1116	41.60	0.16							
PSZ		100	216	E	Sg	1116	54.70	-0.70							
LANS		105	302	E	Pg	1116	43.20	0.87							
LANS		105	302	E	Sg	1116	56.30	-0.69							
KOLS		120	75	E	Pg	1116	46.40	1.28							
KOLS		120	75	E	Sg	1117	00.50	-1.46							
VYHS		137	263	E	Pn	1116	47.90	0.18							
VYHS		137	263	E	Sn	1117	05.10	-1.49							

**October 28 2013**      Hour: 21:56:08.7      Lat: 47.203°N      Lon: 17.157°E      Depth: 14.3 km  
**Magnitude: 1.4ML**      Rms: 0.94 s      Gap: 66°      Erh: 2.5 km      Erz: 2.1 km  
**Locality: Izsákfa**      Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MPLH		29	97	E	Pg	D	2156	13.90	-0.64						
MPLH		29	97	E	Sg	2156	17.50	-1.58							
SOP		69	320	E	Pg	2156	22.00	0.54							
SOP		69	320	E	Sg	2156	31.40	0.00							
CSKK		85	78	E	P*	2156	24.00	-0.12							
CSKK		85	78	E	S*	2156	36.70	0.57							
BEHE		86	200	E	P*	D	2156	25.30	1.00						
BEHE		86	200	E	S*	2156	35.80	-0.65							
SRO		110	52	E	Pn	2156	28.60	0.90							
SRO		110	52	E	Sn	2156	43.60	1.11							
SR02		112	56	E	Pn	2156	27.40	-0.50							
SR02		112	56	E	Sn	2156	43.00	0.14							
ARSA		123	272		Pn	2156	29.20	-0.17							
ARSA		123	272		Sn	2156	43.40	-2.07							
CONA		126	310		Pn	2156	30.60	0.90							
CONA		126	310		Sn	2156	45.60	-0.46							
MODS		130	4	E	Pn	2156	30.70	0.51							
MODS		130	4	E	Sn	2156	45.70	-1.24							
SMOL		147	8	E	Sn	2156	49.50	-1.14							
MORH		158	134	E	Pn	D	2156	32.90	-0.74						
MORH		158	134	E	Sn	2156	54.90	1.82							
SOKA		172	250		Pn	2156	36.70	1.33							
SOKA		172	250		Sn	2156	56.20	0.04							
VYHS		190	41	E	Pn	2156	40.80	3.08							
VYHS		190	41	E	Sn	2157	05.80	5.47							

**October 31 2013**    Hour: 06:10:50.0    Lat: 45.596°N    Lon: 22.815°E    Depth: 2.4 km  
**Magnitude: 3.0ML**    Rms: 0.75 s    Gap: 48°    Erh: 2.7 km    Erz: 3.2 km  
**Locality: Romania**

Comments:  
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
GZR 22 188 I Pg 610 55.00 0.90  
DEV 32 12 I Pg 610 56.40 0.52  
LOT 76 102 I Pg D 611 02.30 -1.37  
BZS 93 271 I Pg D 611 06.50 -0.24  
SRE 108 164 I Pg 611 09.20 -0.15  
SIRR 116 310 I Pg D 611 10.60 -0.27  
MDVR 125 224 I Pn D 611 11.90 -0.48  
MDB 135 63 I Pn D 611 13.40 -0.30  
CJR 138 26 I Pn 611 13.20 -0.79  
MTUR 180 103 I Pn 611 19.10 -0.19  
ARCR 203 36 I Pn D 611 23.20 1.05  
DOPR 204 78 I Pn D 611 21.90 -0.34  
HUMR 207 125 I Pn 611 24.50 1.84  
BMR 236 13 I Pn 611 27.40 1.12  
OZUR 237 76 I Pn 611 26.90 0.54  
MLR 244 93 I Pn 611 28.50 1.23  
TRPA 282 356 I Pn 611 33.60 1.61  
BURB 290 39 I Pn 611 33.50 0.55  
PLOR 299 85 I Pn 611 35.10 0.95  
VRI 306 84 I Pn D 611 35.00 0.08  
MORH 330 282 E Pn D 611 37.90 -0.12  
MORH 330 282 E Sn 612 13.10 -2.36  
VTS 335 175 I Pn 611 39.50 0.94  
PSZ 341 319 E Pn 611 39.60 0.29  
PSZ 341 319 E Sn 612 14.60 -3.16  
KECS 366 331 E Pn 611 43.50 1.03  
KECS 366 331 E Sn 612 36.30 12.92  
CSKK 401 299 E Pn 611 48.70 1.92  
CSKK 401 299 E Sn 612 29.30 -1.75  
VYHS 441 317 E Pn 611 52.10 0.24  
MPLH 442 293 E Pn C 611 52.80 0.93  
MPLH 442 293 E Sn 612 39.20 -0.91  
LANS 469 327 E Pn 611 57.00 1.74  
MODS 522 306 E Pn 612 02.10 0.20  
MODS 522 306 E Sn 612 47.50 -10.46

**November 04 2013**    Hour: 03:06:52.2    Lat: 47.681°N    Lon: 17.966°E    Depth: 10.0 km  
**Magnitude: 0.7ML**    Rms: 0.56 s    Gap: 178°    Erh: 3.4 km    Erz: 3.2 km  
**Locality: Bana**

Comments:  
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
SRO 29 61 E Pg 306 58.50 0.66  
SRO 29 61 E Sg 307 02.40 0.17  
CSKK 41 148 E Pg 307 00.00 0.13  
CSKK 41 148 E Sg 308 04.80 -1.04  
MODS 92 326 E Sg 307 21.50 -0.30  
VYHS 111 36 E Pn 307 12.20 0.37  
VYHS 111 36 E Sn 307 26.00 -1.14

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November 04 2013   Hour: 09:14:45.6   Lat: 47.074°N   Lon: 18.060°E   Depth: 0.0 km  
 Magnitude: 0.9ML   Rms: 0.47 s   Gap: 188°   Erh: 4.2 km   Erz: 11.2 km  
 Locality: Papkeszi   Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		23	213	E Pg	C	914	49.20	-0.52							
TIH		23	213	E Sg		914	53.60	0.66							
CSKK		35	25	E Sg		914	57.00	0.13							
MPLH		40	285	E Sg		914	58.50	-0.07							
ARSA		193	276	Pn		915	17.40	0.68							
MOA		298	287	Pn		915	30.30	0.44							

November 08 2013   Hour: 10:56:30.9   Lat: 47.124°N   Lon: 17.954°E   Depth: 14.7 km  
 Magnitude: 0.9ML   Rms: 0.47 s   Gap: 122°   Erh: 2.5 km   Erz: 2.3 km  
 Locality: Kádárta   Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		25	191	E Pg	D	1056	35.80	-0.32							
TIH		25	191	E Sg		1056	40.70	0.50							
MPLH		31	279	E Pg		1056	37.00	-0.16							
MPLH		31	279	E Sg		1056	42.20	0.16							
CSKK		35	41	E Pg		1056	37.10	-0.62							
CSKK		35	41	E Sg		1056	43.50	0.45							
MORH		113	152	E Pn		1056	51.20	0.95							
MORH		113	152	E Sn		1057	04.90	-0.45							

November 10 2013   Hour: 05:34:36.3   Lat: 46.919°N   Lon: 21.282°E   Depth: 10.0 km  
 Magnitude: 2.4ML   Rms: 0.97 s   Gap: 79°   Erh: 3.8 km   Erz: 3.5 km  
 Locality: Vésztő   Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
LTVH		69	42	E Pg		534	48.60	-0.33							
LTVH		69	42	E Sg		534	58.90	0.13							
SIRR		78	158	I Pg	D	534	50.40	0.04							
DRGR		109	97	I Pn		534	55.40	-0.38							
DRGR		109	97	E Sn		535	09.60	-1.36							
BZS		147	170	I Pn		534	59.90	-0.51							
PSZ		152	317	E Pn		534	59.10	-2.01							
PSZ		152	317	E Sn		535	17.60	-2.85							
TRPA		164	35	I Pn		535	03.30	0.69							
CJR		178	97	I Pn		535	05.90	1.60							
KECS		183	341	E Pn		535	05.90	0.89							
KECS		183	341	E Sn		535	27.10	-0.29							
GZR		205	146	I Pn		535	08.40	0.75							
MORH		216	249	E Pn		535	06.20	-2.91							
MORH		216	249	E Sn		535	36.90	2.22							
HERR		243	159	I Pn		535	12.50	0.13							
VYHS		253	314	E Pn		535	14.50	0.79							
VYHS		253	314	E Sn		535	44.50	1.63							
BURB		307	75	I Pn		535	21.30	0.86							

November 15 2013   Hour: 23:06:36.6   Lat: 46.558°N   Lon: 17.806°E   Depth: 10.0 km  
 Magnitude: 1.9ML   Rms: 1.07 s   Gap: 194°   Erh: 5.1 km   Erz: 3.3 km  
 Locality: Polány   Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		38	10	E Pg	C	2306	44.10	0.32							
TIH		38	10	E Sg		2306	49.60	0.27							
MPLH		71	343	E Pg	D	2306	49.30	-0.17							

MPLH	71	343	E Sg	2306	59.70	0.24	
CSKK	96	21	E Pg	C	2306	53.80	-0.09
CSKK	96	21	E Sg	2307	06.90	-0.43	
KOGS	120	264	Pn	2306	56.00	-1.38	
SRO	144	15	E Pn	2307	03.40	2.94	
SRO	144	15	E Sn	2307	22.70	3.67	
PTJ	160	243	E Sn	2307	22.60	0.14	
ZAG	161	240	E Sn	2307	22.80	0.02	
ARSA	190	294	Pn	2307	07.80	1.67	
ARSA	190	294	Sn	2307	29.00	-0.12	
MODS	205	349	E Pn	2307	07.80	-0.27	
MODS	205	349	E Sn	2307	29.80	-2.77	
CONA	211	316	Pn	2307	08.50	-0.33	
CONA	211	316	Sn	2307	32.20	-1.73	
SOKA	212	274	Pn	2307	07.20	-1.75	
SOKA	212	274	Sn	2307	36.40	2.25	
PSZ	218	46	E Pn	2307	09.10	-0.59	
PSZ	218	46	E Sn	2307	35.70	0.24	
VYHS	228	20	E Pn	2307	11.00	0.06	
VYHS	228	20	E Sn	2307	36.80	-0.88	
MOA	304	298	Pn	2307	26.00	5.65	

**November 16 2013** Hour: 11:03:19.5 Lat: 47.008°N Lon: 18.014°E Depth: 10.0 km  
**Magnitude: 0.9ML** Rms: 0.13 s Gap: 192° Erh: 2.7 km Erz: 4.8 km  
**Locality: Balatonalmádi** Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		15	218	E Pg		1103	22.90			0.19					
TIH		15	218	E Sg		1103	25.00			-0.24					
MPLH		40	297	E Pg		1103	26.90			0.00					
CSKK		43	25	E Pg		1103	27.40			-0.08					
CSKK		43	25	E Sg		1103	33.80			0.07					

**November 17 2013** Hour: 03:12:23.6 Lat: 46.521°N Lon: 17.719°E Depth: 13.4 km  
**Magnitude: 1.9ML** Rms: 0.36 s Gap: 196° Erh: 2.5 km Erz: 1.7 km  
**Locality: Edde** Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		44	17	E Pg	C	312	31.90			0.02					
TIH		44	17	E Sg		312	37.60			-0.70					
MPLH		73	349	E Pg	D	312	37.00			0.03					
MPLH		73	349	E Sg		312	47.60			0.23					
CSKK		102	24	E P*	D	312	41.50			-0.19					
CSKK		102	24	E S*		312	54.10			-1.68					
KOGS		113	266	Pn		312	42.70			-0.37					
PTJ		152	243	Pn		312	48.10			0.13					
SOP		156	326	E Pn		312	48.70			0.23					
SOP		156	326	E Sn		313	07.00			-0.83					
ARSA		186	296	Pn		312	52.40			0.24					
CONA		210	318	Pn		312	56.10			0.90					
PSZ		226	47	E Pn		312	57.80			0.60					
PSZ		226	47	E Sn		313	24.20			0.83					

**November 19 2013** Hour: 10:43:58.7 Lat: 48.010°N Lon: 19.487°E Depth: 0.0 km  
**Magnitude: 1.1ML** Rms: 0.24 s Gap: 210° Erh: 2.5 km Erz: — km  
**Locality: Nógrádsipek** Comments: explosion (Nagylóc)

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STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		32	109	E Pg	D	1044	04.30	-0.14							
PSZ		32	109	E Sg		1044	08.90	-0.01							
VYHS		72	318	E Pg		1044	11.60	-0.03							
VYHS		72	318	E Sg		1044	21.60	-0.11							
KECS		90	55	E Pg		1044	15.60	0.65							

November 21 2013   Hour: 10:37:08.7   Lat: 48.593°N   Lon: 20.562°E   Depth: 0.0 km  
 Magnitude: 1.7ML   Rms: 0.29 s   Gap: 257°   Erh: 2.6 km   Erz: — km  
 Locality: Slovakia

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		13	205	E Pg		1037	11.10	0.01							
KECS		13	205	E Sg		1037	15.50	2.54							
PSZ		89	213	E Pg		1037	24.50	-0.24							
PSZ		89	213	E Sg		1037	37.20	-0.07							
LANS		101	308	E Pg		1037	26.80	0.01							
LANS		101	308	E Sg		1037	41.00	0.09							
VYHS		127	265	E Pg		1037	31.60	0.08							
VYHS		127	265	E Sg		1037	49.30	-0.03							

November 23 2013   Hour: 18:53:33.1   Lat: 47.892°N   Lon: 21.020°E   Depth: 0.9 km  
 Magnitude: 2.2ML   Rms: 0.92 s   Gap: 87°   Erh: 3.0 km   Erz: 3.5 km  
 Locality: Tiszapalkonya

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		76	329	E Pg		1853	46.80	0.01							
KECS		76	329	E Sg		1853	56.40	-1.09							
PSZ		84	272	E Pg	D	1853	47.70	-0.41							
PSZ		84	272	E Sg		1853	58.80	-1.04							
BSZH		86	221	E Pg		1853	49.10	0.51							
LTVH		87	130	E Pg	D	1853	49.20	0.60							
LTVH		87	130	E Sg		1854	01.40	0.68							
TRPA		116	77	E Pg	D	1853	53.60	-0.27							
TRPA		116	77	E Sg		1854	08.20	-1.88							
KOLS		148	39	E Pn		1854	00.10	1.60							
KOLS		148	39	E Sn		1854	18.40	0.07							
VYHS		175	292	E Pn		1854	02.20	0.30							
VYHS		175	292	E Sn		1854	23.10	-1.28							
DRGR		176	134	Pn		1854	00.60	-1.46							
NIE		177	343	Pn		1854	03.70	1.56							
LANS		180	321	E Pn		1854	04.20	1.64							
LANS		180	321	E Sn		1854	25.90	0.35							

November 25 2013   Hour: 11:03:56.9   Lat: 48.278°N   Lon: 21.204°E   Depth: 14.5 km  
 Magnitude: 1.8ML   Rms: 0.42 s   Gap: 114°   Erh: 3.3 km   Erz: 3.8 km  
 Locality: Abaújszántó

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		57	293	E Sg		1104	15.70	-0.12							
PSZ		105	248	E Pn		1104	16.00	0.83							
PSZ		105	248	E Sn		1104	28.90	-0.57							
KOLS		107	47	E Pn		1104	15.50	0.08							
KOLS		107	47	E Sn		1104	29.80	-0.11							
LTVH		112	152	E Pn		1104	15.60	-0.41							
LTVH		112	152	E Sn		1104	31.10	0.14							

**November 26 2013** Hour: 09:05:52.5 Lat: 48.635°N Lon: 20.739°E Depth: 0.0 km  
**Magnitude: 1.4ML** Rms: 0.32 s Gap: 170° Erh: 6.7 km Erz: 5.2 km  
**Locality: Slovakia** Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		25	228	E Pg		905	57.00	0.06							
KECS		25	228	E Sg		906	01.00	0.55							
PSZ		101	218	E Pg		906	10.40	-0.15							
PSZ		101	218	E Sg		906	23.70	-0.97							
KOLS		117	74	E Sg		906	29.70	-0.11							
VYHS		141	264	E Pn		906	17.40	0.30							
VYHS		141	264	E Sn		906	36.20	-0.13							

**November 26 2013** Hour: 11:07:32.3 Lat: 48.831°N Lon: 20.437°E Depth: 10.0 km  
**Magnitude: 2.1ML** Rms: 0.67 s Gap: 149° Erh: 3.5 km Erz: 2.7 km  
**Locality: Slovakia** Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		38	175	E Pg		1107	39.10	-0.35							
KECS		38	175	E Sg		1107	44.70	-0.34							
LANS		79	297	E Pg		1107	47.30	0.73							
LANS		79	297	E Sg		1107	56.10	-1.61							
PSZ		109	202	E Pn	C	1107	52.40	0.74							
PSZ		109	202	E Sn		1108	06.90	0.14							
VYHS		123	252	E Pn		1107	53.40	-0.08							
VYHS		123	252	E Sn		1108	08.80	-1.20							
KOLS		135	85	E Pn		1107	54.50	-0.40							
KOLS		135	85	E Sn		1108	12.00	-0.54							

**December 01 2013** Hour: 06:04:31.4 Lat: 46.071°N Lon: 18.374°E Depth: 15.4 km  
**Magnitude: 3.1ML** Rms: 0.77 s Gap: 255° Erh: 5.0 km Erz: 4.9 km  
**Locality: Versend** Comments: felt, 5 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		99	338	E P*		604	48.40	-0.38							
TIH		99	338	E S*		605	02.60	0.25							
BEHE		130	290	E Pn	D	604	52.70	-0.07							
BEHE		130	290	E Sn		605	09.30	-0.16							
MPLH		137	332	E Pn	D	604	54.10	0.47							
MPLH		137	332	E Sn		605	11.30	0.31							
CSKK		143	357	E Pn	D	604	54.60	0.22							
CSKK		143	357	E Sn		605	11.10	-1.23							
BUD		164	18	E Pn	D	604	58.80	1.82							
BUD		164	18	E Sn		605	18.00	1.05							
SRO		193	359	E Pn		605	02.00	1.40							
SOP		226	322	E Pn	D	605	04.80	0.13							
PSZ		235	29	I Pn	C	605	03.90	-1.93							
PSZ		235	29	E Sn		605	29.90	-2.81							
ARSA		254	301	Pn		605	08.30	0.12							
ZST		255	338	E Pn		605	07.40	-0.86							
SOKA		265	285	Pn		605	08.90	-0.68							
SOKA		265	285	Sn		605	39.00	-0.38							
MODS		269	342	E Pn		605	09.10	-0.90							
VYHS		271	7	E Pn		605	09.70	-0.61							
SMOL		280	345	E Pn		605	11.50	0.04							
SMOL		280	345	E Sn		605	42.30	-0.42							
CONA		281	317	Pn		605	11.60	0.08							

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CONA	281	317	Sn	605	42.50	-0.33
OBKA	298	279	Pn	605	12.60	-1.09
OBKA	298	279	Sn	605	48.60	1.90
LANS	352	14	E Pn	605	20.80	0.45
MYKA	369	280	Pn	605	23.20	0.69
MYKA	369	280	Sn	606	02.50	0.09
MOA	369	302	Pn	605	23.50	0.93
MOA	369	302	Sn	606	04.40	1.90
TREC	418	329	E Pn	605	28.40	-0.27
TREC	418	329	E Sn	606	12.30	-1.06
ABTA	456	279	Pn	605	34.30	0.89
KHC	495	313	E Pn	605	38.80	0.54
KHC	495	313	E Sn	606	28.90	-1.53
DPC	499	342	E Pn	605	38.40	-0.34
DPC	499	342	E Sn	606	28.90	-2.39
GOPC	504	328	E Pn	605	39.10	-0.21
GOPC	504	328	E Sn	606	30.10	-2.20
PRU	520	327	E Pn	605	40.30	-1.10
PRU	520	327	E Sn	606	34.50	-1.52
UPC	523	340	E Pn	605	41.70	-0.01
WTTA	532	284	Pn	605	44.50	1.68
WTTA	532	284	Sn	606	41.90	3.35
WATA	538	285	Pn	605	45.70	2.11
WATA	538	285	Sn	606	42.50	2.58

**December 03 2013** Hour: 12:17:23.5 Lat: 48.273°N Lon: 21.228°E Depth: 6.5 km  
**Magnitude: 2.0ML** Rms: 0.48 s Gap: 149° Erh: 2.6 km Erz: 34.4 km  
**Locality: Abaújszántó**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS	59	293	E	Pg	1217	34.30	0.07								
KECS	59	293	E	Sg	1217	42.40	-0.20								
TRPA	98	99	E	Pg	1217	40.60	-0.58								
TRPA	98	99	E	Sg	1217	54.60	-0.37								
KOLS	106	46	E	Pg	1217	42.00	-0.55								
KOLS	106	46	E	Sg	1217	58.00	0.59								
PSZ	106	248	E	Pg	D	1217	43.30	0.69							
PSZ	106	248	E	Sg		1217	57.30	-0.22							

**December 04 2013** Hour: 11:14:34.3 Lat: 48.608°N Lon: 20.767°E Depth: 0.0 km  
**Magnitude: 1.6ML** Rms: 0.28 s Gap: 148° Erh: 1.7 km Erz: 2.6 km  
**Locality: Slovakia**

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS	25	236	E	Pg	1114	38.70	-0.05								
KECS	25	236	E	Sg	1114	42.50	0.27								
STHS	96	21	E	Pg	1114	51.70	0.19								
STHS	96	21	E	Sg	1115	04.80	-0.14								
PSZ	100	220	E	Pg	1114	52.20	-0.01								
PSZ	100	220	E	Sg	1115	06.00	-0.20								
KOLS	116	72	E	Sg	1115	11.30	0.00								
VYHS	143	265	E	Pn	1114	59.40	0.24								
VYHS	143	265	E	Sn	1115	16.90	-1.67								

**December 05 2013** Hour: 10:52:37.4 Lat: 48.189°N Lon: 21.221°E Depth: 7.1 km  
**Magnitude: 1.5ML** Rms: 1.07 s Gap: 159° Erh: 6.3 km Erz: 6.2 km  
**Locality: Ond**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		63	301	E Pg		1052	48.30	-0.47							
KECS		63	301	E Sg		1052	57.00	-0.68							
TRPA		98	94	E Pg		1052	54.90	-0.05							
TRPA		98	94	E Sg		1053	08.70	0.03							
PSZ		103	253	E Pg		1052	57.60	1.75							
PSZ		103	253	E Sg		1053	09.30	-0.98							
KOLS		113	43	E Pn		1052	57.10	-0.53							
KOLS		113	43	E Sn		1053	12.00	-1.44							
STHS		136	1	E Sn		1053	20.20	1.64							
LANS		167	310	E Sn		1053	29.70	4.24							

**December 09 2013** Hour: 07:21:29.9 Lat: 46.181°N Lon: 16.565°E Depth: 10.0 km  
**Magnitude: 1.9ML** Rms: 0.52 s Gap: 156° Erh: 1.8 km Erz: 1.3 km  
**Locality: Croatia**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		36	27	E Pg	D	721	36.20	-0.35							
BEHE		36	27	E Sg		721	40.20	-1.55							
KOGS		38	321	I Pg		721	37.20	0.25							
KOGS		38	321	I Sg		721	42.40	-0.07							
GOLS		75	255	I Pg		721	43.80	0.38							
GOLS		75	255	E Sg		721	53.30	-0.68							
GCIS		80	244	I Pg		721	44.70	0.33							
DOBS		84	268	I Pg		721	44.90	-0.21							
GROS		87	291	I Pg		721	45.40	-0.22							
CRES		94	245	I Pg		721	47.10	0.25							
CRES		94	245	I Sg		721	59.50	-0.58							
LEGS		99	255	I Pg		721	47.70	-0.11							
PERS		122	294	I Pn		721	51.10	0.21							
TIH		129	52	E Pn		721	51.50	-0.27							
TIH		129	52	E Sn		722	06.40	-2.45							
SOKA		130	295	Pn		721	52.60	0.74							
SOKA		130	295	Sn		722	08.20	-0.80							
MPLH		132	34	E Pn	D	721	52.40	0.20							
MPLH		132	34	E Sn		722	10.90	1.29							
ARSA		143	326	Pn		721	53.90	0.42							
ARSA		143	326	Sn		722	09.70	-2.19							
OBKA		159	283	Pn		721	56.10	0.58							
OBKA		159	283	Sn		722	15.70	0.19							
MORH		160	89	E Pn		721	54.30	-1.35							
MORH		160	89	E Sn		722	13.80	-1.95							
MOA		254	317	Pn		722	08.00	0.59							
MOA		254	317	Sn		722	34.90	-1.79							

**December 11 2013** Hour: 17:14:10.0 Lat: 47.806°N Lon: 16.235°E Depth: 8.4 km  
**Magnitude: 2.5ML** Rms: 1.09 s Gap: 51° Erh: 1.8 km Erz: 1.5 km  
**Locality: Austria**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SOP		27	119	E Pg	D	1714	16.40	1.20							
SOP		27	119	E Sg		1714	20.10	0.85							
CONA		31	296	Pg		1714	15.70	-0.06							

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CONA	31	296	Sg	1714	20.10	-0.15
ZST	78	56	E Pg	1714	23.30	-0.72
ZST	78	56	E Sg	1714	33.90	-1.04
ARSA	81	221	Pg	1714	23.90	-0.79
ARSA	81	221	Sg	1714	33.90	-2.23
MODS	100	51	E Pg	1714	26.90	-1.05
MODS	100	51	E Sg	1714	40.70	-1.25
SMOL	118	48	E Pn	1714	31.10	0.33
SMOL	118	48	E Sn	1714	47.20	0.24
MPLH	121	126	E Pn	D	1714	31.60
MPLH	121	126	E Sn		1714	46.30
MOA	147	272	Pn		1714	34.50
MOA	147	272	Sn		1714	52.60
BEHE	154	165	E Pn	D	1714	38.50
BEHE	154	165	E Sn		1714	58.70
SOKA	154	216	Pn		1714	35.60
SOKA	154	216	Sn		1714	53.50
SRO	155	90	E Pn		1714	35.40
SRO	155	90	E Sn		1714	54.00
CSKK	160	108	E Pn		1714	36.50
CSKK	160	108	E Sn		1714	54.80
TIH	160	129	E Pn		1714	36.90
TIH	160	129	E Sn		1714	54.60
TREC	174	342	E Pn		1714	38.10
TREC	174	342	E Sn		1714	58.90
OBKA	192	222	Pn		1714	40.80
OBKA	192	222	Sn		1715	05.00
VYHS	208	68	E Pn		1714	41.80
VYHS	208	68	E Sn		1715	04.60
KBA	232	250	Pn		1714	49.10
KBA	232	250	Sn		1715	17.60
MYKA	235	236	Sn		1715	17.10
KHC	245	307	E Pn		1714	47.80
KHC	245	307	E Sn		1715	14.30
MORH	254	134	E Pn	C	1714	47.80
MORH	254	134	E Sn		1715	14.70
KRLC	255	9	E Pn		1714	48.50
GOPC	257	336	E Pn		1714	49.50
GOPC	257	336	E Sn		1715	17.60
PRU	272	333	E Pn		1714	51.00
PRU	272	333	E Sn		1715	24.80
PSZ	274	87	E Sn		1715	22.40
LANS	282	58	E Pn		1714	52.10
LANS	282	58	E Sn		1715	22.70
DPC	283	1	E Pn		1714	52.50
UPC	300	357	E Pn		1714	53.70
UPC	300	357	E Sn		1715	33.80
KECS	325	77	E Pn		1714	57.00
KECS	325	77	E Sn		1715	32.20
WTTA	351	260	Pn		1715	01.80
WTTA	351	260	Sn		1715	47.70
SQTA	384	260	Pn		1715	06.20
SQTA	384	260	Sn		1715	47.50

MOTA	389	262	Pn	1715	06.40	1.87
MOTA	389	262	Sn	1715	47.70	0.65
STHS	410	64	E Pn	1715	08.60	1.44
STHS	410	64	E Sn	1715	52.40	0.67
DAVA	481	263	Pn	1715	18.30	2.25
DAVA	481	263	Sn	1716	08.40	0.84

**December 12 2013**    Hour: 20:53:09.1    Lat: 47.202°N    Lon: 17.650°E    Depth: 11.6 km

Magnitude: 1.0ML    Rms: 0.11 s    Gap: 182°    Erh: 1.0 km    Erz: 0.7 km

Locality: Németbánya

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MPLH		9	247	E Pg	D	2053	11.70	-0.06							
MPLH		9	247	E Sg		2053	13.90	0.09							
TIH		38	151	E Pg	C	2053	16.40	0.13							
TIH		38	151	E Sg		2053	21.60	-0.24							
CSKK		49	69	E Pg	D	2053	18.20	0.00							
CSKK		49	69	E Sg		2053	24.10	-1.18							
MORH		133	145	E Pn	D	2053	31.20	-0.10							
MORH		133	145	E Sn		2053	48.80	0.20							

**December 15 2013**    Hour: 19:44:58.1    Lat: 47.773°N    Lon: 18.212°E    Depth: 5.9 km

Magnitude: 1.9ML    Rms: 0.74 s    Gap: 70°    Erh: 1.6 km    Erz: 1.5 km

Locality: Almásfüzitő

Comments: felt, 5 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO		8	60	E Pg		1945	00.10	0.06							
SRO		8	60	E Sg		1945	02.20	0.68							
CSKK		45	175	E Pg		1945	05.90	-0.49							
CSKK		45	175	E Sg		1945	12.70	-0.12							
MPLH		84	217	E Pg		1945	13.50	0.30							
MPLH		84	217	E Sg		1945	26.90	1.96							
VYHS		92	30	E Pg		1945	14.50	-0.22							
VYHS		92	30	E Sg		1945	25.70	-1.95							
ZST		95	300	E Pg		1945	15.20	0.01							
ZST		95	300	E Sg		1945	26.80	-1.69							
MODS		96	314	E Pg		1945	15.10	-0.31							
MODS		96	314	E Sg		1945	28.20	-0.68							
TIH		100	194	E Pg		1945	16.00	-0.05							
TIH		100	194	E Sg		1945	29.20	-0.81							
SMOL		100	325	E Pg		1945	16.50	0.30							
SMOL		100	325	E Sg		1945	30.10	-0.18							
SOP		124	265	E Pn	D	1945	21.00	1.05							
SOP		124	265	E Sn		1945	36.10	-0.85							
PSZ		126	83	E Pn	C	1945	20.30	0.04							
PSZ		126	83	E Sn		1945	37.30	-0.20							
MORH		176	169	E Pn	C	1945	25.50	-0.91							
MORH		176	169	E Sn		1945	44.80	-3.64							
CONA		176	276	Pn		1945	27.30	0.83							
CONA		176	276	Sn		1945	48.60	0.04							
LANS		179	31	E Pn		1945	28.90	2.14							
LANS		179	31	E Sn		1945	48.40	-0.68							
ARSA		210	254	Pn		1945	31.70	0.99							
ARSA		210	254	Sn		1945	55.90	-0.20							
LTVH		280	99	E Pn		1945	41.00	1.55							

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**December 16 2013    Hour: 09:44:05.0    Lat: 47.947°N    Lon: 19.907°E    Depth: 0.0 km**  
**Magnitude: 1.7ML    Rms: 0.67 s    Gap: 161°    Erh: 3.6 km    Erz: 5.2 km**  
**Locality: Dorogháza    Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		3	197	E Pg	D	944	05.20	-0.43							
PSZ		3	197	E Sg		944	07.00	0.92							
KECS		73	36	E Pg		944	19.50	1.33							
KECS		73	36	E Sg		944	27.60	-0.81							
VYHS		100	307	E Pg		944	22.80	-0.13							
VYHS		100	307	E Sg		944	37.40	0.51							
LANS		137	346	E Pn		944	29.10	-0.15							
LANS		137	346	E Sn		944	47.40	-0.73							

**December 16 2013    Hour: 11:12:20.8    Lat: 46.148°N    Lon: 16.445°E    Depth: 10.0 km**  
**Magnitude: 1.6ML    Rms: 0.78 s    Gap: 145°    Erh: 4.2 km    Erz: 2.1 km**  
**Locality: Croatia    Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		43	35	E Pg	D	1112	29.00	0.12							
BEHE		43	35	E Sg		1112	35.70	0.54							
GOLS		65	256	I Pg		1112	32.10	-0.53							
GOLS		65	256	I Sg		1112	43.00	1.17							
GCIS		70	244	I Pg		1112	33.00	-0.57							
CRES		84	245	I Pg		1112	35.30	-0.74							
CRES		84	245	I Sg		1112	48.60	0.71							
LEGS		90	256	I Pg		1112	36.20	-0.81							
LEGS		90	256	I Sg		1112	50.30	0.67							
BOJS		117	232	I Sn		1112	57.00	-0.08							
SOKA		123	298	Pn		1112	41.60	-0.40							
SOKA		123	298	Sn		1112	57.70	-0.80							
VISS		130	253	I Sn		1113	00.30	0.32							
ARSA		141	330	Pn		1112	44.40	0.18							
ARSA		141	330	Sn		1113	01.50	-0.96							
OBKA		151	285	Pn		1112	46.60	1.13							
OBKA		151	285	Sn		1113	07.10	2.41							
MORH		170	87	E Pn		1112	50.30	2.51							
MOA		251	319	Sn		1113	26.90	0.01							

**December 17 2013    Hour: 02:10:47.4    Lat: 47.797°N    Lon: 18.214°E    Depth: 8.3 km**  
**Magnitude: 1.6ML    Rms: 0.79 s    Gap: 67°    Erh: 1.7 km    Erz: 1.7 km**  
**Locality: Almásfüzitő    Comments: felt, 4 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO		7	76	E Pg		210	49.30	-0.16							
SRO		7	76	E Sg		210	51.20	0.17							
CSKK		48	176	E Pg		210	55.30	-0.90							
BUD		70	120	E Pg	C	211	01.40	1.35							
BUD		70	120	E Sg		211	08.10	-1.79							
MPLH		86	216	E Pg	C	211	03.80	0.89							
MPLH		86	216	E Sg		211	15.60	0.62							
VYHS		90	31	E Pg		211	03.70	0.06							
VYHS		90	31	E Sg		211	14.90	-1.37							
ZST		94	298	E Pg		211	04.40	0.09							
ZST		94	298	E Sg		211	16.00	-1.46							
MODS		94	313	E Pg		211	04.40	-0.03							
MODS		94	313	E Sg		211	17.20	-0.48							

SMOL	98	324	E Sg		211	19.60	0.63
TIH	102	194	E Pg	D	211	05.50	-0.32
TIH	102	194	E Sg		211	18.40	-1.76
SOP	124	264	E Pn	D	211	10.00	1.02
SOP	124	264	E Sn		211	26.50	0.72
PSZ	126	84	E Pn	D	211	09.50	0.30
PSZ	126	84	E Sn		211	26.30	0.14
CONA	176	275	Pn		211	15.00	-0.44
CONA	176	275	Sn		211	37.30	0.02
MORH	178	169	E Pn		211	14.70	-1.01
MORH	178	169	E Sn		211	36.40	-1.36
ARSA	211	253	Sn		211	44.00	-1.03

**December 18 2013** Hour: 10:09:08.2 Lat: 48.606°N Lon: 20.747°E Depth: 0.0 km

Magnitude: 1.9ML Rms: 0.61 s Gap: 129° Erh: 2.7 km Erz: 3.4 km

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		23	235	E Pg		1009	12.60	0.17							
PSZ		99	220	E Pg	D	1009	26.20	0.26							
PSZ		99	220	E Sg		1009	38.80	-0.97							
LANS		111	303	E Pg		1009	28.30	0.16							
LANS		111	303	E Sg		1009	42.60	-1.09							
KOLS		117	72	E Sg		1009	45.20	-0.49							
VYHS		141	265	E Pn		1009	33.10	0.20							
VYHS		141	265	E Sn		1009	51.10	-1.06							
TRPA		143	112	E Pn	D	1009	33.90	0.83							
TRPA		143	112	E Sn		1009	50.00	-2.46							

**December 20 2013** Hour: 10:56:09.3 Lat: 47.090°N Lon: 17.976°E Depth: 13.8 km

Magnitude: 1.0ML Rms: 0.65 s Gap: 117° Erh: 3.5 km Erz: 3.4 km

Locality: Litér

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		22	197	E Pg	D	1056	13.80	-0.17							
TIH		22	197	E Sg		1056	17.90	0.31							
MPLH		34	285	E Pg		1056	16.10	0.18							
MPLH		34	285	E Sg		1056	20.80	-0.28							
CSKK		37	35	E Pg		1056	16.30	-0.10							
CSKK		37	35	E Sg		1056	21.70	-0.23							
MORH		109	152	E Pn	C	1056	29.40	1.13							
MORH		109	152	E Sn		1056	41.20	-1.86							

**December 23 2013** Hour: 09:33:58.3 Lat: 47.060°N Lon: 18.084°E Depth: 2.0 km

Magnitude: 0.9ML Rms: 0.55 s Gap: 134° Erh: 2.7 km Erz: 49.6 km

Locality: Papkeszi

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIH		23	219	E Pg		934	02.30	-0.07							
TIH		23	219	E Sg		934	05.10	-0.48							
CSKK		36	22	E Pg	D	934	04.00	-0.74							
CSKK		36	22	E Sg		934	10.20	0.40							
MPLH		43	287	E Sg		934	12.10	0.13							
MORH		103	155	E Pg	D	934	17.50	0.81							
MORH		103	155	E Sg		934	31.40	0.34							

CHAPTER 1. LOCAL EARTHQUAKES

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<b>December 30 2013</b>	<b>Hour: 22:21:52.9</b>	<b>Lat: 47.453°N</b>	<b>Lon: 16.904°E</b>	<b>Depth: 3.0 km</b>											
<b>Magnitude: 2.3ML</b>	<b>Rms: 0.97 s</b>	<b>Gap: 103°</b>	<b>Erh: 1.9 km</b>	<b>Erz: 2.0 km</b>											
<b>Locality: Iván</b>															
STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MPLH		57	123	E	Pg	2222	03.90	0.74							
ZST		83	10	E	Pg	2222	07.60	-0.28							
ZST		83	10	E	Sg	2222	19.90	0.33							
CONA		94	304		Pg	2222	10.50	0.75							
CONA		94	304		Sg	2222	23.00	0.10							
TIH		97	129	E	Pg	D	2222	10.80	0.59						
TIH		97	129	E	Sg		2222	22.90	-0.83						
CSKK		102	96	E	Pg	D	2222	11.90	0.64						
CSKK		102	96	E	Sg		2222	23.80	-1.80						
MODS		106	15	E	Pg		2222	11.10	-0.73						
MODS		106	15	E	Sg		2222	25.10	-1.51						
ARSA		106	258		Pg		2222	11.80	-0.15						
ARSA		106	258		Sg		2222	24.40	-2.43						
SMOL		124	18	E	Pn		2222	14.60	-0.42						
SMOL		124	18	E	Sn		2222	31.60	-0.69						
BUD		159	89	E	Sn		2222	42.20	2.00						
SOKA		166	239		Pn		2222	20.00	-0.26						
SOKA		166	239		Sn		2222	40.50	-1.12						
VYHS		184	51	E	Pn		2222	22.00	-0.59						
MORH		191	136	E	Pn	D	2222	22.10	-1.27						
MORH		191	136	E	Sn		2222	48.20	1.04						
MOA		203	283		Pn		2222	24.20	-0.65						
MOA		203	283		Sn		2222	52.00	2.22						
OBKA		207	240		Pn		2222	25.50	0.07						
OBKA		207	240		Sn		2222	52.80	1.99						
TREC		230	333	E	Sn		2222	58.20	2.41						
PSZ		230	77	E	Pn	D	2222	28.30	0.04						
PSZ		230	77	E	Sn		2222	53.70	-2.16						
LANS		267	45	E	Pn		2222	33.00	0.06						
LANS		267	45	E	Sn		2223	02.80	-1.39						
KBA		272	261		Pn		2222	34.10	0.58						
KBA		272	261		Sn		2223	04.00	-1.22						
KRLC		291	358	E	Pn		2222	36.20	0.29						
KHC		309	307	E	Pn		2222	40.10	1.99						
KHC		309	307	E	Sn		2223	16.10	2.72						
GOPC		314	330	E	Pn		2222	39.70	0.90						
UPC		345	349	E	Pn		2222	43.60	0.94						
WTTA		398	267		Pn		2222	51.30	2.08						

## 2. Focal mechanisms

In the year 2013, two earthquakes with  $ML > 4$  occurred in the territory of Hungary. We determined the focal mechanism of these events with two different methods.

The HASH software (Hardebeck and Shearer, 2002) has been used to compute the focal mechanism based on the polarity of the first arrivals. During the computations two velocity models have been used, a recently developed one-dimensional model constructed from arrival time data of earthquakes and controlled explosions for the territory of Hungary (Gráczér and Wéber, 2012) and the IASP91 model (Kenneth and Engdahl, 1991). Additionally, we applied a long-period regional waveform inversion method. Specifically, we used the software tools included in the "Computer Programs in Seismology" package (Herrmann, 2013) for computing the synthetic seismograms (Green's functions) as well as for performing the inversion calculations. For obtaining the synthetics, we used the velocity model of Gráczér and Wéber (2012). Before inversion, both the observed displacement waveforms and the Green's functions were band-pass filtered with a Butterworth filter with corner frequencies of 0.05 Hz and 0.125 Hz (periods between 8 and 20 seconds).

The results of the focal mechanism computations are shown in Table 2.1 and Figs. 2.1-2.2.

Date	Time	Lat. ( $^{\circ}$ N)	Long. ( $^{\circ}$ E)	Strike ( $^{\circ}$ )	Dip ( $^{\circ}$ )	Rake ( $^{\circ}$ )	Method
2013.04.22	22:28:46	47.634	20.293	121	34	93	first arrivals
				142	53	84	waveform inversion
2013.06.05	18:45:46	47.988	19.225	171	84	-157	first arrivals
				348	83	-179	waveform inversion

Table 2.1: Focal parameters and focal mechanisms of Hungarian earthquakes with  $ML > 4$

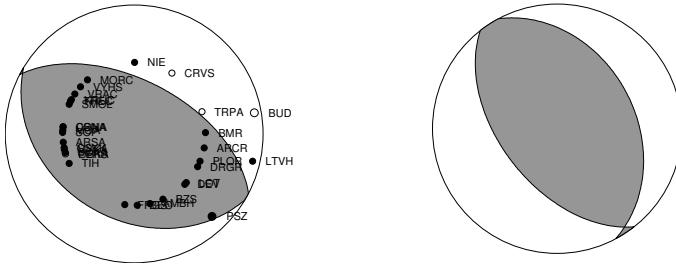


Figure 2.1:

Focal mechanism of the earthquake of 2013.04.22 22:28:46 UTC based on first arrival data (left) and determined by waveform inversion (right)

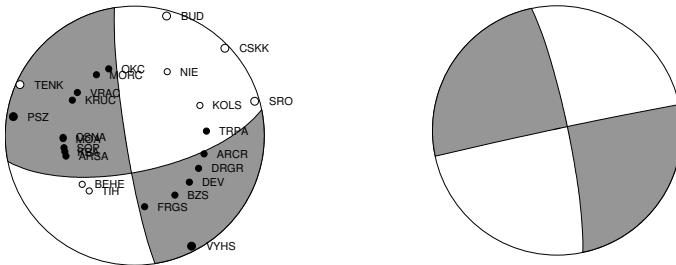


Figure 2.2:

Focal mechanism of the earthquake of 2013.06.05 18:45:46 UTC based on first arrival data (left) and determined by waveform inversion (right)

### 3. Macroseismic data

In 2013 twenty-four earthquakes were felt by the public whose epicenters were located in the territory of Hungary (Table 3.1). After the earthquakes macroseismic questionnaires have been sent to the affected settlements and surveys were also conducted on the website of the KRSO. Additional data were provided by the National Directorate General for Disaster Management.

In this Chapter the results of data processing are presented. In Tables 3.2-3.25 the name of settlements, their coordinates, the assigned EMS intensity values and the number of reports (N) are shown. Figures 3.1-3.24 display the distribution of the EMS intensities together with the location of the instrumental epicenter (white star).

Date	Time	Lat (°N)	Lon (°N)	Depth (km)	Magn. (ML)	Epic. intensity (EMS)
2013.02.16	17:18:42.2	47.612	20.246	11.0	3.6	V
2013.04.22	22:28:46.7	47.634	20.293	10.0	4.8	VI
2013.04.24	03:39:36.7	47.612	20.313	1.0	2.5	III
2013.04.28	07:01:34.3	47.573	20.150	7.7	1.5	III-IV
2013.05.08	20:49:15.0	47.566	20.245	1.3	1.7	II
2013.05.18	20:34:19.9	47.646	20.292	10.0	2.9	IV-V
2013.05.24	18:54:55.0	47.694	20.308	4.3	1.8	IV
2013.06.03	21:23:06.1	47.667	20.333	0.8	2.2	III-IV
2013.06.04	07:13:23.2	47.355	18.292	10.0	2.2	III
2013.06.05	18:45:46.3	47.988	19.225	4.8	4.1	V-VI
2013.06.11	05:31:25.5	47.988	19.233	5.4	2.3	IV
2013.07.02	19:07:32.0	47.983	19.215	3.4	3.4	V
2013.07.02	19:47:00.7	47.978	19.210	6.8	2.3	IV
2013.07.11	06:10:20.2	47.606	20.288	8.1	1.9	III-IV
2013.08.07	08:01:16.7	47.626	20.415	6.1	2.5	IV-V
2013.08.12	01:14:28.4	46.517	16.802	13.3	2.0	III-IV
2013.08.15	02:22:42.2	45.847	17.582	1.4	2.8	IV
2013.10.10	02:02:32.0	47.879	18.831	10.0	2.3	IV
2013.10.10	02:23:14.4	47.820	18.896	0.8	1.1	II
2013.10.19	07:02:44.0	47.678	17.977	4.8	3.0	V
2013.12.01	06:04:31.4	46.071	18.374	15.4	3.1	V
2013.12.15	19:44:58.1	47.773	18.212	5.9	1.9	V
2013.12.17	02:10:47.4	47.797	18.214	8.3	1.6	IV
2013.12.30	22:21:52.9	47.453	16.904	3.0	2.3	III-IV

Table 3.1: Parameters of Hungarian earthquakes felt by the public

## 2013.02.16 – Heves

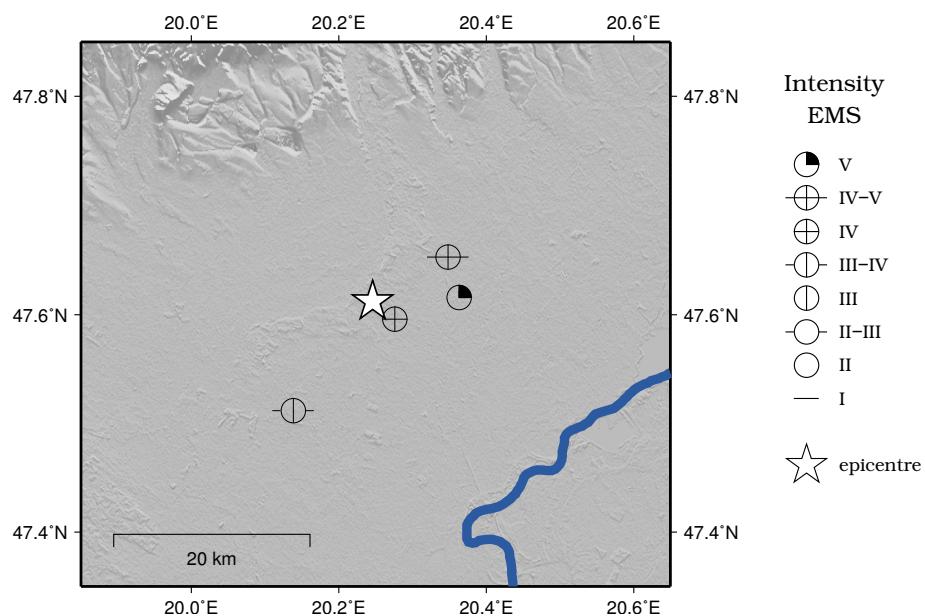


Figure 3.1:  
EMS intensity distribution for the earthquake of 2013.02.16 17:18 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Átány	47.616	20.363	V	2
Heves	47.596	20.276	IV	8
Jászapáti	47.512	20.138	III-IV	1
Tenk	47.653	20.348	IV-V	5

Table 3.2:  
Felt EMS intensities for the earthquake of 2013.02.16 17:18 UTC

2013.04.22 – Heves

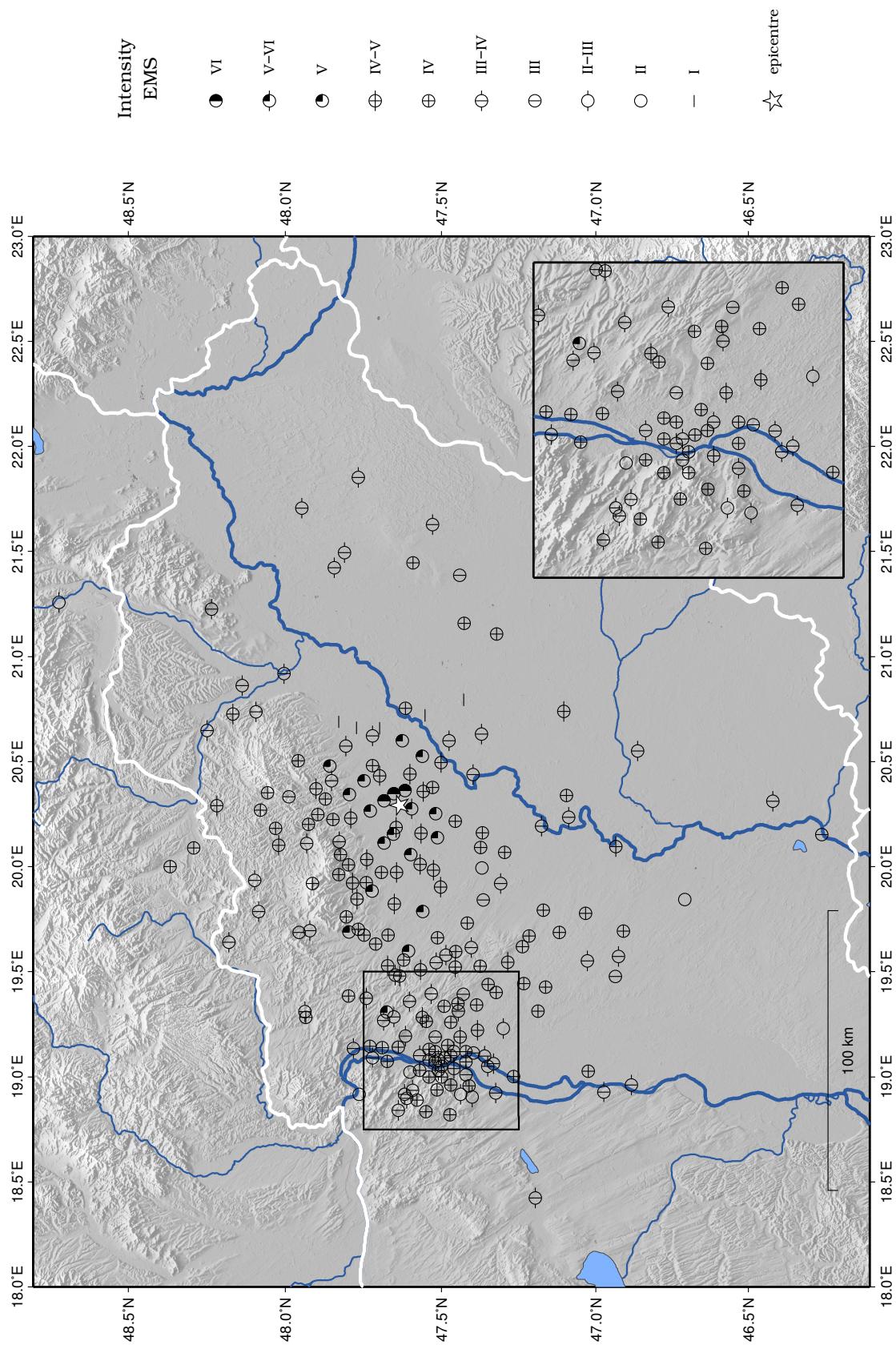


Figure 3.2:  
EMS intensity distribution for the earthquake of 2013.04.22 22:28 UTC

Table 3.3: Felt EMS intensities for the earthquake of  
2013.04.22 22:28 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Abádszalók	47.475	20.599	III-IV	1
Abasár	47.799	20.008	IV	2
Acsa	47.798	19.385	IV	1
Adács	47.693	19.972	IV	1
Albertirska	47.238	19.620	IV	6
Aldebrő	47.792	20.230	IV-V	1
Andornaktálya	47.853	20.409	III-IV	1
Apc	47.797	19.689	V	1
Apostag	46.884	18.961	III-IV	1
Arnót	48.138	20.862	III-IV	2
Aszód	47.649	19.483	III-IV	4
Átány	47.617	20.363	VI	4
Atkár	47.723	19.884	V	2
Bag	47.635	19.480	IV-V	2
Balkány	47.767	21.853	III-IV	1
Balmazújváros-Nagyhát	47.591	21.445	IV	1
Bárna	48.098	19.935	III-IV	2
Bekölce	48.080	20.270	IV	1
Bélápátfalva	48.057	20.352	IV	1
Besenyőtelek	47.698	20.433	IV-V	2
Biatorbágy	47.473	18.820	IV	1
Boconád	47.646	20.187	IV-V	2
Borsodivánka	47.699	20.659	I	1
Budakeszi	47.514	18.937	IV	4
Budaörs	47.469	18.961	IV	5
Budapest I	47.510	19.030	III-IV	6
Budapest II	47.540	19.000	IV	32
Budapest III	47.570	19.030	IV	30
Budapest IV	47.570	19.100	III-IV	16
Budapest IX	47.470	19.100	IV	16
Budapest V	47.500	19.050	IV	6
Budapest VI	47.520	19.070	III-IV	6
Budapest VII	47.510	19.080	III-IV	12
Budapest VIII	47.490	19.090	IV	10
Budapest X	47.480	19.150	IV	11
Budapest XI	47.460	19.040	IV-V	61
Budapest XII	47.500	19.000	IV	26
Budapest XIII	47.540	19.080	IV	19
Budapest XIV	47.520	19.120	IV	18
Budapest XIX	47.460	19.120	III-IV	20
Budapest XV	47.540	19.130	IV	11
Budapest XVI	47.520	19.190	III	5
Budapest XVII	47.470	19.260	IV	13
Budapest XVIII	47.440	19.190	IV-V	24
Budapest XX	47.420	19.120	IV	14
Budapest XXI	47.420	19.070	IV	8
Budapest XXII	47.420	19.010	III-IV	5
Budapest XXIII	47.396	19.114	III	4
Bükkzsérc	47.960	20.504	IV	2
Cegléd	47.170	19.793	IV	6

Locality	Latitude ( $^{\circ}$ N)	Longitude ( $^{\circ}$ E)	Intensity (EMS)	N
Ceglédbercel	47.217	19.670	IV	5
Csány	47.652	19.822	IV-V	3
Csemő	47.118	19.688	IV	1
Dabas	47.188	19.312	IV	4
Dány	47.517	19.544	III-IV	1
Debrecen	47.529	21.628	III-IV	10
Diósd	47.411	18.956	IV	1
Dömös	47.764	18.916	II	1
Domoszló	47.828	20.119	III-IV	1
Dunaharaszti	47.361	19.099	III-IV	5
Dunakeszi	47.639	19.140	IV	4
Dunaújváros	46.974	18.928	III-IV	4
Ecsér	47.445	19.313	III-IV	2
Eger	47.903	20.370	IV-V	23
Egerlővő	47.721	20.622	III-IV	1
Egerszalók	47.873	20.322	IV	1
Egerszólát	47.897	20.248	IV	1
Egyházasgerge	48.181	19.641	III-IV	1
Érd	47.400	18.904	II-III	2
Erdőkertes	47.676	19.308	V	1
Erdőtelek	47.685	20.313	VI	6
Farmos	47.364	19.842	III	1
Fedémes	48.032	20.183	IV	1
Fót	47.615	19.193	III-IV	2
Füzesabony	47.749	20.409	V	9
Galagayörk	47.742	19.374	III-IV	1
Galgahévíz	47.621	19.555	IV	1
Galyatető	47.914	19.920	IV	1
Göd	47.690	19.138	IV	3
Gödöllő	47.603	19.358	III-IV	7
Gomba	47.375	19.527	IV	1
Gyál	47.384	19.221	IV-V	2
Gyömrő	47.429	19.393	III	1
Gyöngyös	47.786	19.922	IV-V	3
Gyöngyöshalász	47.742	19.924	IV	1
Hajdúdorog	47.812	21.495	III-IV	1
Hajdúnánás	47.844	21.423	III-IV	2
Hajdúszoboszló	47.441	21.387	III	1
Hatvan	47.671	19.674	IV	6
Heréd	47.711	19.631	IV	1
Hernád	47.163	19.427	IV	1
Hetényegyháza	46.926	19.573	III-IV	1
Heves	47.596	20.276	V-VI	28
Hevesvezekény	47.558	20.357	IV-V	1
Hódmezővásárhely	46.420	20.312	III-IV	1
Isaszeg	47.533	19.394	III-IV	1
Jászalsószentgyörgy	47.373	20.091	IV	1
Jászapáti	47.512	20.138	V	6
Jászárokszállás	47.644	19.972	IV-V	2
Jászberény	47.502	19.903	IV-V	9
Jászboldogháza	47.369	19.993	II	1
Jászdózsa	47.568	20.010	IV-V	1

Locality	Latitude ( $^{\circ}$ N)	Longitude ( $^{\circ}$ E)	Intensity (EMS)	N
Jászivány	47.518	20.253	V	1
Jászjákóhalma	47.526	19.983	IV-V	2
Jászkisér	47.455	20.217	IV	1
Jászladány	47.368	20.161	IV	1
Jászentandrás	47.565	20.158	IV-V	3
Kál	47.728	20.264	V	1
Karácsond	47.740	20.034	IV-V	2
Kartal	47.673	19.528	IV-V	4
Kazincbarcika	48.250	20.648	III-IV	3
Kecskemét	46.909	19.693	IV	12
Kengyel	47.095	20.339	IV	1
Kerecsend	47.796	20.343	V	1
Kerekegyháza	46.936	19.477	III	1
Kerepes	47.561	19.283	IV-V	3
Kétbodony	47.935	19.282	IV	1
Kisecset	47.938	19.311	III-IV	1
Kisköre	47.501	20.495	IV-V	1
Kiskunfélegyháza	46.709	19.843	II	1
Kistarcsa	47.548	19.263	IV	1
Kóka	47.486	19.579	III-IV	3
Kömlő	47.601	20.441	IV-V	1
Košice	48.719	21.258	II-III	1
Kunhegyes	47.370	20.631	III-IV	1
Kunmadaras	47.428	20.794	I	1
Lajosmizse	47.027	19.551	III-IV	1
Leányfalu	47.721	19.091	III-IV	1
Lőrinci	47.749	19.675	IV	1
Maglód	47.447	19.348	IV	2
Majosháza	47.267	19.001	IV	1
Markaz	47.824	20.058	IV	1
Mátrafüred	47.830	19.963	IV	2
Mátraszőlős	47.956	19.687	III	1
Mezőkeresztes	47.83	20.689	I	1
Mezőkövesd	47.807	20.573	III-IV	2
Mezőtárkány	47.721	20.480	IV	1
Miskolc	48.095	20.737	III-IV	13
Monor	47.349	19.440	IV	2
Monorerdő	47.308	19.920	III-IV	2
Nádudvar	47.426	21.158	IV	1
Nagyfüged	47.684	20.113	V	2
Nagykáta	47.417	19.731	IV	2
Nagykörös	47.033	19.779	IV	3
Nagykovácsi	47.578	18.890	IV	1
Nagyréde	47.772	19.845	IV-V	1
Novaj	47.859	20.478	V	2
Nyíregyháza	47.948	21.707	III-IV	2
Ócsa	47.300	19.229	II-III	1
Ónod	48.005	20.918	III-IV	2
Őrbottyán	47.686	19.267	III-IV	2
Ózd	48.219	20.291	IV-V	2
Pásztó	47.922	19.695	III-IV	1
Pécel	47.491	19.336	IV	4

Locality	Latitude ( $^{\circ}$ N)	Longitude ( $^{\circ}$ E)	Intensity (EMS)	N
Pétervására	48.022	20.101	IV-V	1
Petőfibánya	47.767	19.702	IV	1
Pilis	47.286	19.545	IV-V	6
Piliscsaba	47.638	18.840	III-IV	1
Pilisszentiván	47.612	18.897	III-IV	1
Pilisvörösvár	47.618	18.916	III-IV	1
Püspökladány	47.321	21.107	IV	1
Pusztamonostor	47.560	19.787	V	2
Rákóczifalva	47.088	20.236	III-IV	1
Recsk	47.933	20.111	III-IV	2
Rimaszombat	48.367	20.000	IV	1
Sajóbábony	48.168	20.726	IV-V	1
Salgótarján	48.086	19.787	III-IV	2
Serke	48.292	20.089	IV	1
Sirok	47.927	20.202	IV	1
Solymár	47.593	18.936	III-IV	2
Sülysáp	47.455	19.522	IV-V	1
Szarvas	46.863	20.551	III-IV	1
Szarvaskő	47.989	20.332	III	1
Százhalombatta	47.325	18.922	III-IV	1
Szeged	46.259	20.152	III	1
Székesfehérvár	47.196	18.423	III-IV	3
Szentendre	47.674	19.073	IV	4
Szentistván	47.773	20.661	I	1
Szigetszentmiklós	47.350	19.049	III-IV	1
Sződliget	47.730	19.145	IV	2
Szolnok	47.176	20.193	III-IV	7
Szűcs	47.806	19.762	IV	2
Taksony	47.332	19.063	III-IV	1
Tállya	48.236	21.226	III-IV	1
Tápióság	47.404	19.615	III-IV	1
Tápiószecső	47.454	19.596	IV	1
Tarnaméra	47.655	20.155	V	3
Tarnaörs	47.599	20.057	V	1
Tarnaszentmiklós	47.528	20.376	IV	1
Tass	47.024	19.027	IV	1
Telki	47.550	18.835	IV	1
Tenk	47.653	20.348	VI	32
Tiszafüred	47.615	20.753	IV	2
Tiszakécske	46.934	20.096	IV-V	1
Tiszanána	47.561	20.525	V	1
Tiszaroff	47.397	20.439	III-IV	1
Tiszaszőlős	47.552	20.72	I	1
Tóalmás	47.512	19.661	IV	2
Törökbálint	47.438	18.916	II-III	1
Tura	47.606	19.599	V	6
Türkeve	47.104	20.739	IV-V	1
Újlengyel	47.234	19.444	IV	1
Újlőrincfalva	47.626	20.599	V	2
Újszász	47.295	20.069	IV	4
Üllő	47.386	19.343	IV	2
Üröm	47.601	19.023	II	1

Locality	Latitude ( $^{\circ}$ N)	Longitude ( $^{\circ}$ E)	Intensity (EMS)	N
Vác	47.783	19.135	III-IV	2
Valkó	47.567	19.509	IV-V	1
Vasad	47.323	19.401	IV	1
Veresegyház	47.653	19.285	III-IV	1
Verpelét	47.849	20.224	IV	1

## 2013.04.24 – Heves

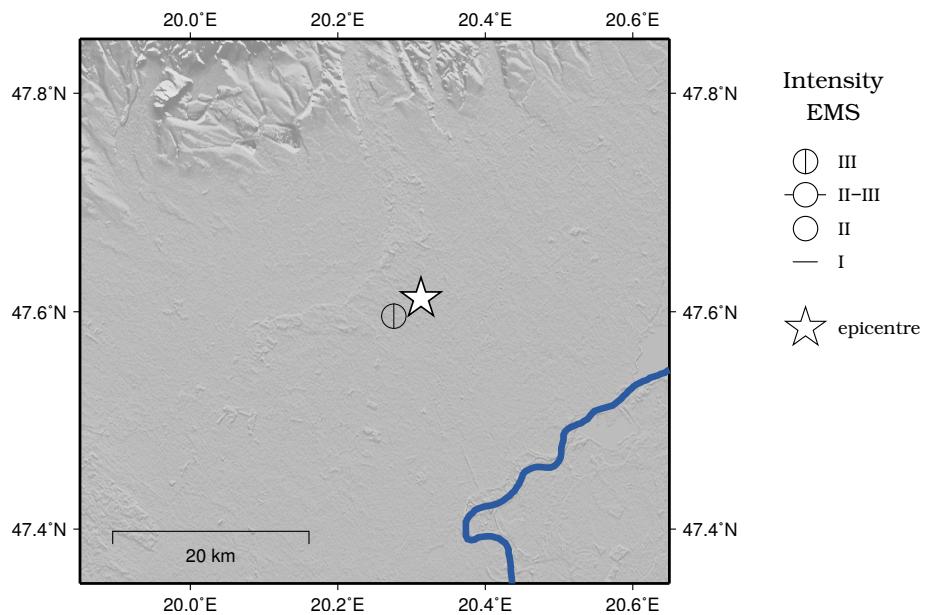


Figure 3.3:  
EMS intensity distribution for the earthquake of 2013.04.24 03:39 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Heves	47.596	20.276	III	1

Table 3.4:  
Felt EMS intensities for the earthquake of 2013.04.24 03:39 UTC

## 2013.04.28 – Jászszentandrás

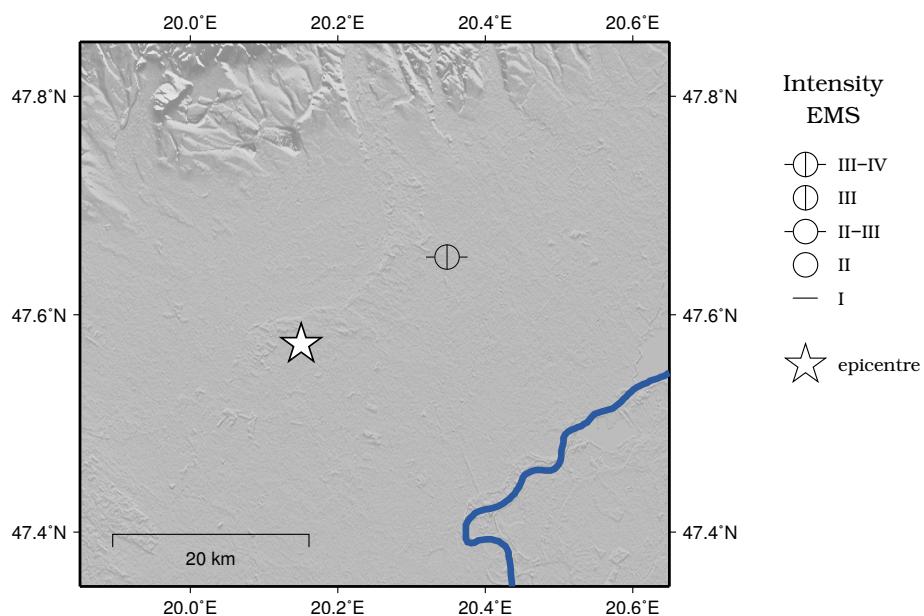


Figure 3.4:  
EMS intensity distribution for the earthquake of 2013.04.28 07:01 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Tenk	47.653	20.348	III-IV	2

Table 3.5:  
Felt EMS intensities for the earthquake of 2013.04.28 07:01 UTC

## 2013.05.08 – Jászszentandrás

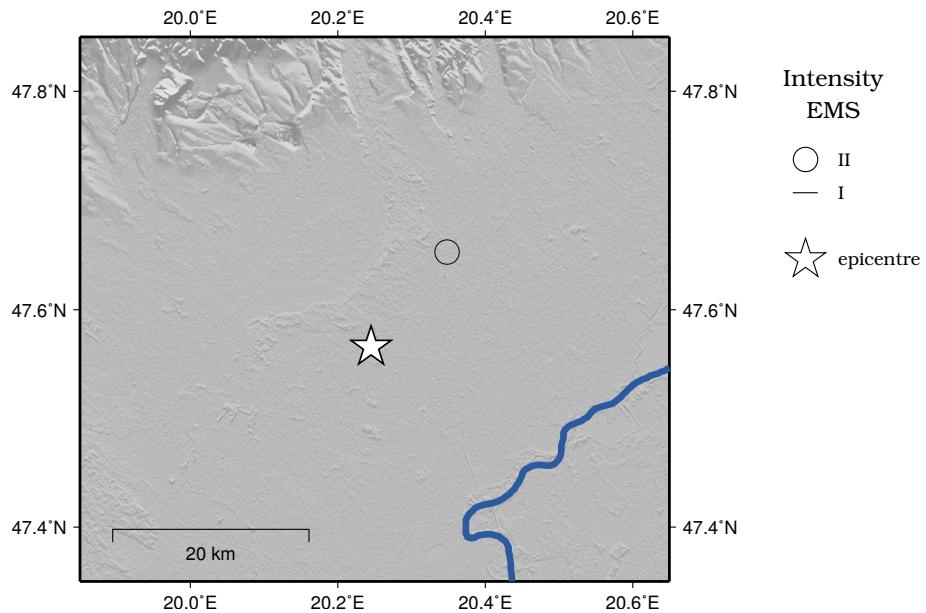


Figure 3.5:  
EMS intensity distribution for the earthquake of 2013.05.08 20:49 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Tenk	47.653	20.348	II	1

Table 3.6:  
Felt EMS intensities for the earthquake of 2013.05.08 20:49 UTC

## 2013.05.18 – Heves

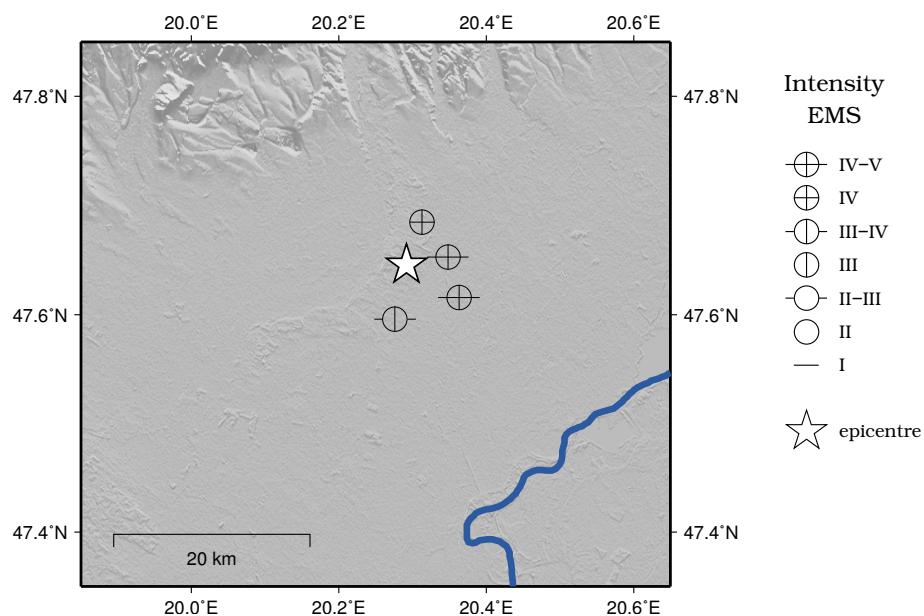


Figure 3.6:  
EMS intensity distribution for the earthquake of 2013.05.18 20:34 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Átány	47.616	20.363	IV-V	7
Erdőtelek	47.685	20.313	IV	4
Heves	47.596	20.276	III-IV	3
Tenk	47.653	20.348	IV-V	10

Table 3.7:  
Felt EMS intensities for the earthquake of 2013.05.18 20:34 UTC

## 2013.05.24 – Erdőtelek

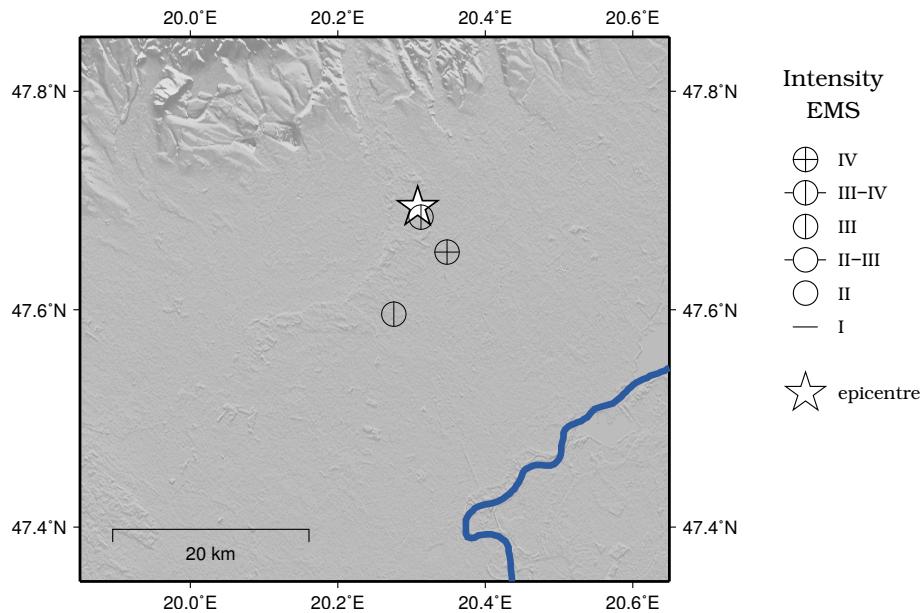


Figure 3.7:  
EMS intensity distribution for the earthquake of 2013.05.24 18:54 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Erdőtelek	47.685	20.313	III	1
Heves	47.596	20.276	III	2
Tenk	47.653	20.348	IV	5

Table 3.8:  
Felt EMS intensities for the earthquake of 2013.05.24 18:54 UTC

## 2013.06.03 – Tenk

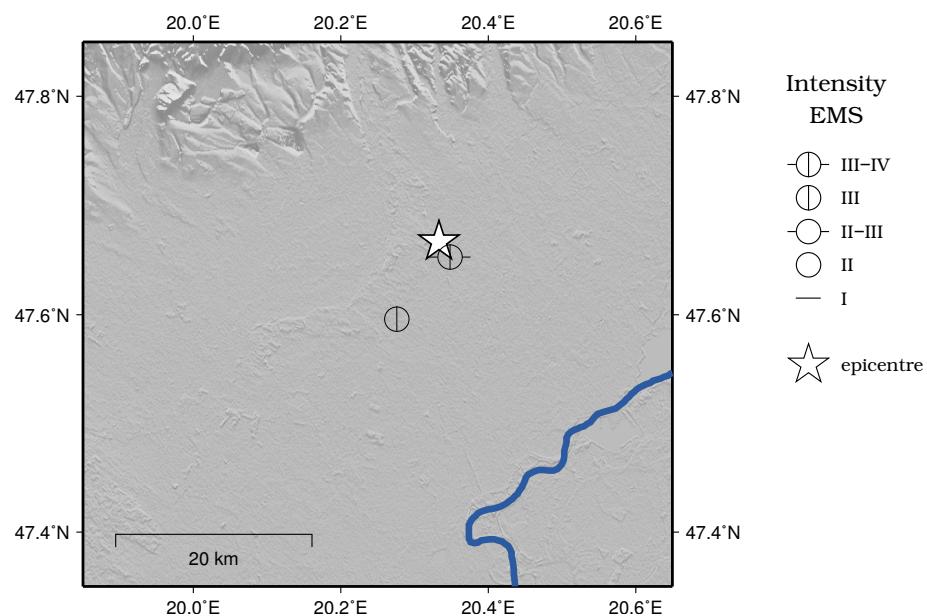


Figure 3.8:  
EMS intensity distribution for the earthquake of 2013.06.03 21:23 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Heves	47.596	20.276	III	1
Tenk	47.653	20.348	III-IV	2

Table 3.9:  
Felt EMS intensities for the earthquake of 2013.06.03 21:23 UTC

## 2013.06.04 – Csákberény

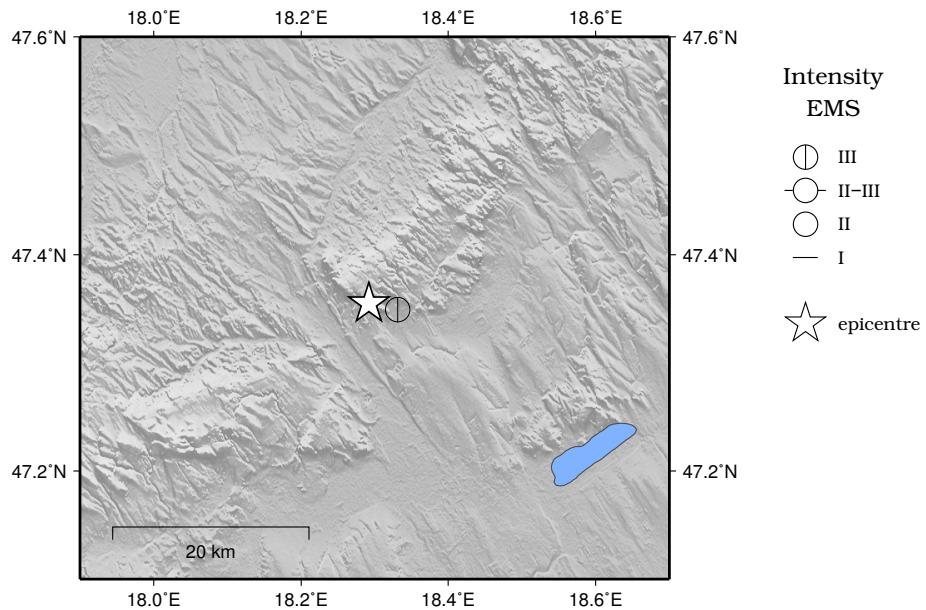


Figure 3.9:  
EMS intensity distribution for the earthquake of 2013.06.04 07:13 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Csákberény	47.349	18.331	III	2

Table 3.10:  
Felt EMS intensities for the earthquake of 2013.06.04 07:13 UTC

## 2013.06.05 – Érsekvadkert

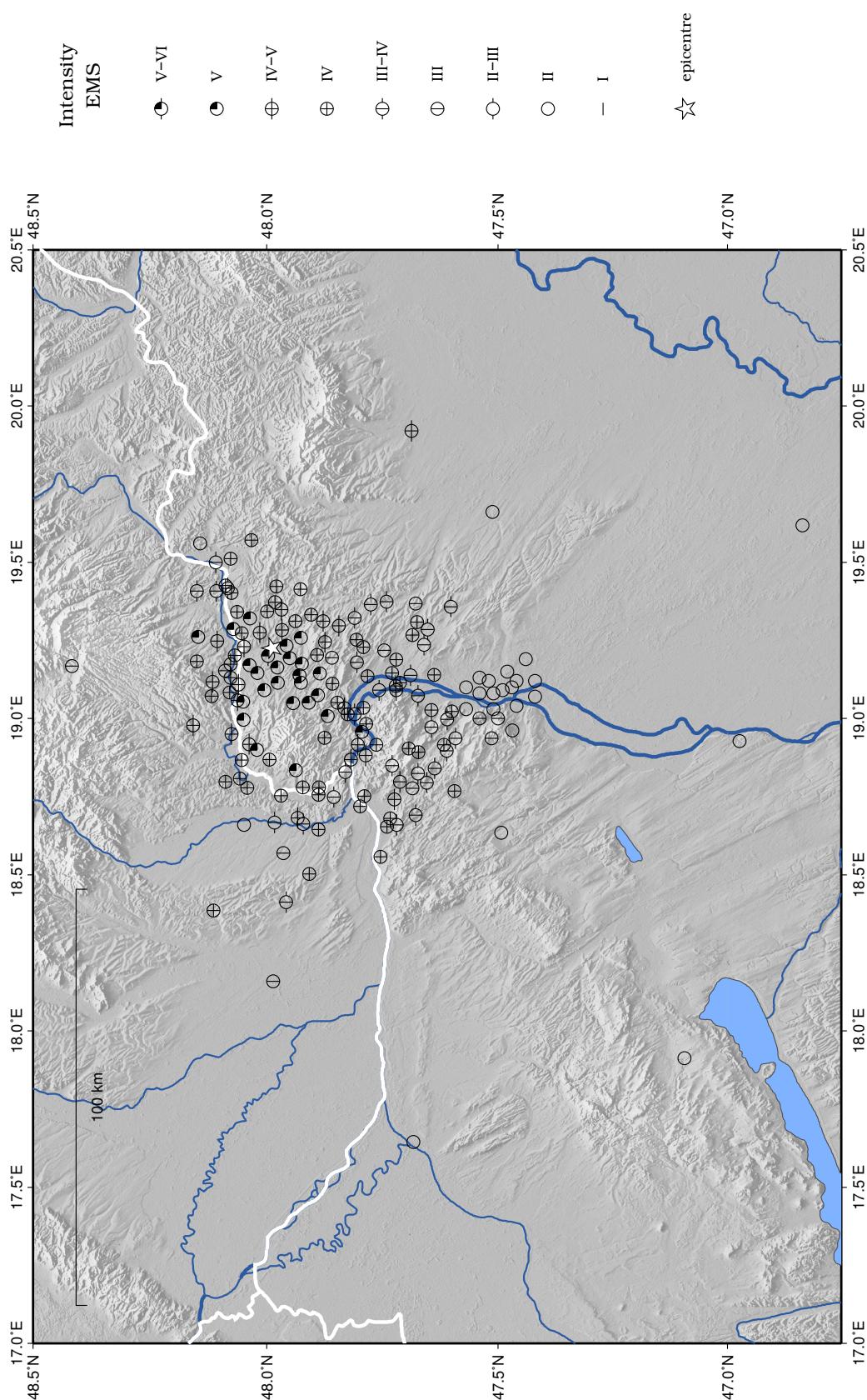


Figure 3.10:  
EMS intensity distribution for the earthquake of 2013.06.05 18:45 UTC

Table 3.11: Felt EMS intensities for the earthquake of  
2013.06.05 18:45 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Alsópetény	47.875	19.244	IV-V	1
Bajta	47.856	18.749	III-IV	1
Balassagyarmat	48.072	19.286	V	72
Bánk	47.924	19.175	V	8
Bény (Bína, SK)	47.921	18.663	III-IV	1
Berkenye	47.889	19.075	V	4
Bernecebaráti	48.038	18.918	IV-V	3
Bicske	47.493	18.634	II	1
Borsosberény	47.976	19.115	V	9
Budakeszi	47.514	18.937	III	2
Budaörs	47.469	18.961	II	2
Budapest I	47.510	19.030	II	3
Budapest II	47.540	19.000	III	10
Budapest III	47.570	19.030	II	12
Budapest IV	47.570	19.100	II	19
Budapest IX	47.470	19.100	II	1
Budapest VII	47.510	19.080	II	2
Budapest VIII	47.490	19.090	II	2
Budapest X	47.480	19.150	II	3
Budapest XI	47.460	19.040	II	3
Budapest XII	47.500	19.000	III	12
Budapest XIII	47.540	19.080	II	14
Budapest XIV	47.520	19.120	II	12
Budapest XIX	47.460	19.120	II	1
Budapest XV	47.540	19.130	II	8
Budapest XVIII	47.440	19.190	II	1
Budapest XX	47.420	19.120	II	1
Budapest XXI	47.420	19.070	II	1
Cserháthaláp	47.982	19.372	IV	2
Cserhátsurány	47.979	19.422	IV	1
Csesztele	48.015	19.275	IV-V	1
Csobánka	47.645	18.972	III-IV	3
Csomád	47.661	19.236	III-IV	2
Csővár	47.811	19.322	III-IV	1
Csúz	47.958	18.412	III-IV	1
Dejtár	48.037	19.170	V	6
Diósjenő	47.943	19.049	V	30
Dömös	47.764	18.916	IV	3
Dorog	47.725	18.741	IV-V	17
Drégelypalánk	48.051	19.053	V	6
Dunabogdány	47.792	19.034	IV	5
Dunakeszi	47.639	19.140	IV	2
Dunaújváros	46.974	18.928	II	1
Erdőkertes	47.676	19.308	IV	3
Érsekkéty (Ket', SK)	47.964	18.569	III	1
Érsekújvár (Nové Zámky, SK)	47.986	18.158	III	2
Érsekvakdert	47.997	19.201	V-VI	43
Esztergom	47.790	18.752	IV	50
Felsőpetény	47.891	19.203	IV	1
Galgagyörk	47.742	19.374	III-IV	1

Locality	Latitude ( $^{\circ}$ N)	Longitude ( $^{\circ}$ E)	Intensity (EMS)	N
Göd	47.690	19.138	III-IV	4
Gödöllő	47.603	19.358	III-IV	9
Győr	47.684	17.645	II	3
Helemba (Chl'aba, SK)	47.831	18.828	III-IV	1
Helvécia	46.835	19.618	II	1
Hont	48.050	18.996	V	1
Hugyag	48.088	19.426	IV	1
Inám (Dolinka, SK)	48.089	19.153	III	1
Ipolybalog (Balog nad Ipl'om, SK)	48.077	19.130	IV-V	5
Ipolyhídvég (Ipelské Predmostie, SK)	48.063	19.058	IV-V	1
Ipolykér (Kiarov, SK)	48.108	19.407	III-IV	1
Ipolykeszi (Kosihy nad Ipl'om , SK)	48.077	19.174	IV-V	3
Ipolynagyfalu (Veľká Ves nad Ipl'om, SK)	48.079	19.083	IV	2
Ipolynyék (Vinica, SK)	48.116	19.117	IV-V	5
Ipolypásztó (Pastovce, SK)	47.969	18.753	IV	1
Ipolyság (Šahy,SK)	48.075	18.950	IV-V	11
Ipolyszalka (Salka, SK)	47.888	18.756	IV	3
Ipolyszög	48.049	19.230	IV-V	5
Ipolytölgyes	47.922	18.780	IV	1
Ipolyvarbó (Vrbovka, SK)	48.083	19.417	III-IV	1
Ipolyvece	48.061	19.108	IV-V	7
Ipolyvisk (Vyškovce nad Ipl'om, SK)	48.054	18.867	IV	1
Kelenye (Kleňany)	48.118	19.072	IV	1
Kemence	48.021	18.899	V	3
Kéménd (Kamenín, SK)	47.888	18.644	IV	1
Keszthely	47.713	18.797	III-IV	4
Kisecset	47.938	19.311	IV	1
Kisgyarmat (Sikenička, SK)	47.933	18.682	IV-V	1
Kismaros	47.826	19.013	IV	3
Kisoroszi	47.811	19.014	III-IV	2
Kosd	47.806	19.179	III-IV	2
Kóspallag	47.876	18.938	IV	1
Leányfalu	47.721	19.091	III-IV	1
Leányvár	47.686	18.777	III	1
Legénd	47.879	19.312	IV-V	2
Leszenye (Lesenice, SK)	48.106	19.247	IV-V	1
Letkés	47.887	18.779	IV	1
Lontó (Lontov, SK)	48.042	18.778	IV	1
Lukanénye (Nenince, SK)	48.147	19.261	V	2
Magyarkút	47.848	19.050	IV	2
Magyarnándor	47.968	19.348	IV-V	8
Mohora	47.999	19.343	IV	2
Nagybörzsöny	47.937	18.834	V	2
Nagycsalomja	48.069	19.202	IV	1
Nagylóc	48.033	19.570	IV	1
Nagymaros	47.795	18.958	V	7
Nagyoroszi	48.005	19.091	V	13
Nézsa	47.845	19.296	IV-V	1
Nógrád	47.909	19.050	V	12
Nőtincs	47.885	19.144	V	2
Nyergesújfalu	47.755	18.557	IV	3
Nyirjes	48.054	19.273	IV	1

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Órbottyán	47.686	19.267	IV	2
Őrhalom	48.075	19.402	IV	4
Oroszka (Pohronský Ruskov, SK)	47.983	18.667	III-IV	1
Ősagárd	47.860	19.195	III	1
Óvár (Olováry, SK)	48.150	19.408	III-IV	1
Palást (Plášt'ovce, SK)	48.158	18.978	IV-V	3
Párkány (Štúrovo, SK)	47.799	18.718	IV	10
Patak	48.020	19.146	V	7
Patvarc	48.064	19.341	IV	4
Penc	47.807	19.252	IV	5
Perbál	47.595	18.768	IV	1
Perőcsény	47.994	18.868	IV	4
Pilisborosjenő	47.611	18.997	III-IV	1
Piliscsaba	47.638	18.840	III-IV	9
Piliscsév	47.674	18.824	III-IV	1
Pilisjászfalu	47.655	18.795	III-IV	2
Pilismarót	47.787	18.882	IV-V	8
Pilisszántó	47.673	18.892	IV	4
Pilisszentiván	47.612	18.897	III-IV	5
Pilisszentkereszt	47.694	18.904	IV	2
Pilisszentlélek	47.730	18.849	III-IV	1
Pilisvörösvár	47.618	18.916	IV	5
Pócsmegyer	47.722	19.104	IV-V	1
Pomáz	47.645	19.027	IV	2
Pozba (Pozba, SK)	48.114	18.386	IV	1
Püspökhatvan	47.776	19.365	III-IV	2
Pusztaberki	47.977	19.163	V	5
Rád	47.792	19.228	IV	3
Rétság	47.929	19.138	V	38
Romhány	47.926	19.258	V	16
Sárisáp	47.679	18.690	III-IV	2
Sirak (Širákov, SK)	48.150	19.183	IV	1
Solymár	47.593	18.936	III-IV	2
Surány	47.713	19.114	IV	1
Szandaváralja	47.927	19.413	IV	1
Szátok	47.957	19.233	V	15
Százd (Sazdice, SK)	48.088	18.797	IV	1
Szécsénke	47.904	19.332	IV	1
Szécsény	48.077	19.512	IV	5
Szécsény-Pösténypuszta	48.109	19.499	III-IV	1
Szécsényfelfalu	48.143	19.561	II	1
Szendehely	47.859	19.111	IV	4
Szente	47.967	19.283	IV-V	1
Szentendre	47.674	19.073	III-IV	10
Szete (Kubáňovo, SK)	48.058	18.808	IV	1
Szob	47.819	18.869	IV-V	3
Sződ	47.721	19.188	IV	1
Sződliget	47.730	19.145	IV	6
Szőgyén (Svodín, SK)	47.908	18.503	IV	1
Szokolya	47.869	19.007	V	12
Szügy	48.036	19.320	V	7
Tahitótfalu	47.758	19.090	III-IV	3

Locality	Latitude ( $^{\circ}$ N)	Longitude ( $^{\circ}$ E)	Intensity (EMS)	N
Tát	47.741	18.654	IV	5
Tereske	47.950	19.193	V	6
Tóalmás	47.512	19.661	II	1
Tokod	47.720	18.660	III-IV	4
Tokodaltáró	47.734	18.680	IV	1
Tolmács	47.926	19.114	V	16
Tótpelsőc (Pliešovce, SK)	48.417	19.167	III	1
Üröm	47.601	19.023	IV	1
Vác	47.783	19.135	IV	33
Vácduka	47.747	19.218	III	1
Vácegres	47.679	19.368	III	1
Vámosgyörk	47.688	19.920	IV-V	1
Veresegyház	47.653	19.285	III-IV	2
Verőce	47.833	19.033	IV-V	7
Veszprém	47.094	17.913	II	1
Visegrád	47.786	18.982	IV	3
Zebegény	47.804	18.916	IV-V	5
Zselíz (Želiezovce, SK)	48.049	18.660	II	1

## 2013.06.11 – Csesztle

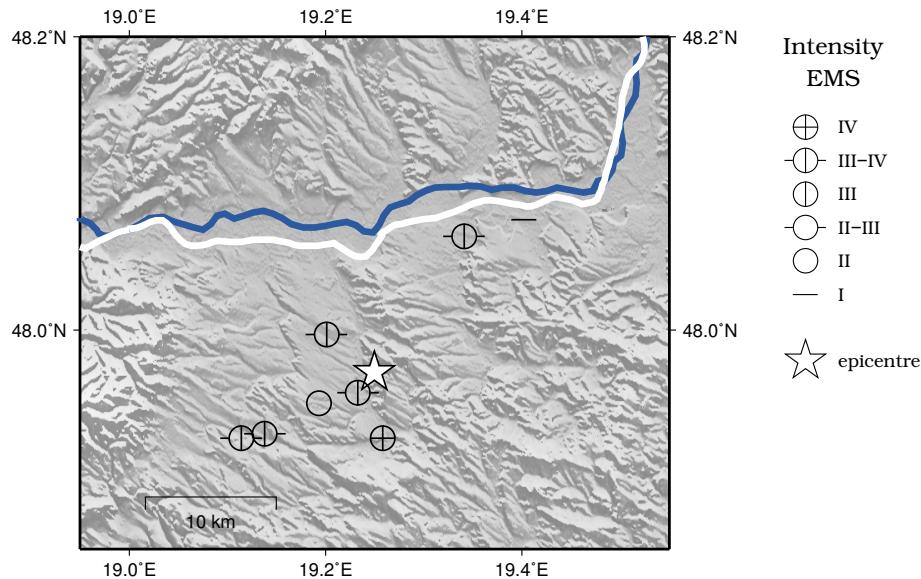


Figure 3.11:  
EMS intensity distribution for the earthquake of 2013.06.11 05:31 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Alsónémedi	47.320	19.166	I	1
Budajenő	47.558	18.810	I	1
Budapest XIX	47.460	19.120	I	1
Erdőkertes	47.676	19.308	I	1
Érsekvadkert	47.997	19.201	III-IV	3
Fót	47.615	19.193	I	1
Gyöngyöstarján	47.817	19.861	I	1
Isaszeg	47.533	19.394	I	1
Mány	47.530	18.663	I	1
Őrhalom	48.075	19.402	I	1
Patvarc	48.064	19.341	III-IV	1
Perőcsény	47.994	18.868	I	1
Pilisjászfalu	47.654	18.795	I	1
Rétság	47.929	19.138	III-IV	2
Romhány	47.926	19.258	IV	3
Szátok	47.957	19.233	III-IV	3
Tereske	47.950	19.193	II	1
Tök	47.571	18.739	I	1
Tolmács	47.926	19.114	III-IV	4

Table 3.12:  
Felt EMS intensities for the earthquake of 2013.06.11 05:31 UTC

## 2013.07.02 – Érsekvadkert

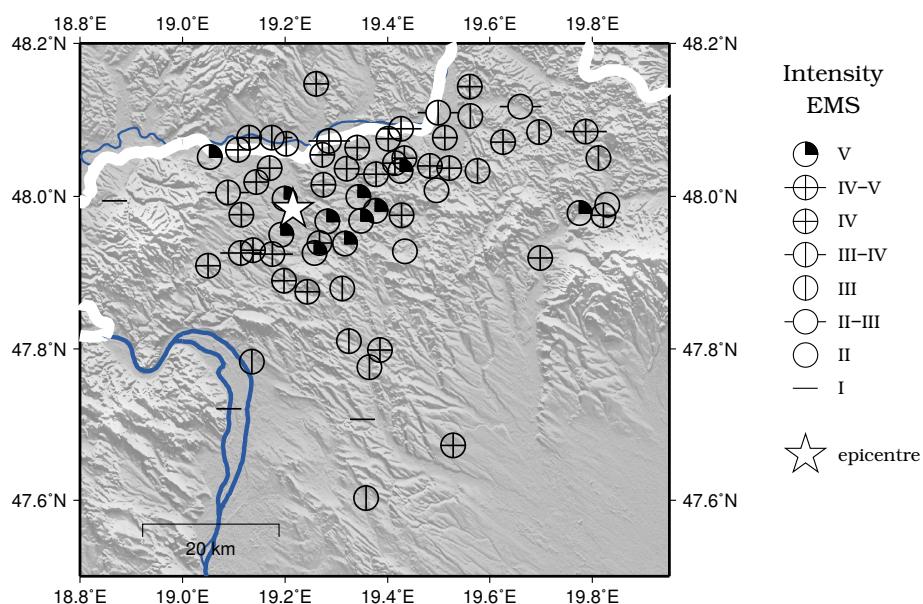


Figure 3.12:  
EMS intensity distribution for the earthquake of 2013.07.02 19:07 UTC

Table 3.13: Felt EMS intensities for the earthquake of  
2013.07.02 19:07 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Acsa	47.798	19.385	IV	1
Alsópetény	47.875	19.244	IV	3
Balassagyarmat	48.072	19.286	IV-V	43
Bánk	47.924	19.175	IV-V	5
Bátonyterenye	47.989	19.829	II	1
Borsosberény	47.976	19.115	IV	2
Cserháthaláp	47.981	19.377	V	5
Cserhátsurány	47.975	19.427	IV	2
Csesztve	48.015	19.275	IV	1
Csitár	48.050	19.433	IV	1
Csitár-Nógrádgárdony	48.043	19.414	IV	1
Csővár	47.810	19.325	III	1
Dejtár	48.037	19.170	IV	1
Drégelypalánk	48.051	19.053	V	1
Érsekvadkert	47.997	19.199	V	6
Felsőpetény	47.889	19.198	IV	2
Gödöllő	47.603	19.358	III	2
Hugyag	48.088	19.426	IV-V	1
Iliny	48.033	19.425	V	1
Ipolybalog (Balog nad Ipl'om, SK)	48.077	19.130	IV	3
Ipolykeszi (Kosihy nad Ipl'om, SK)	48.077	19.174	III-IV	1
Ipolyvece	48.061	19.108	IV	2
Karancsság	48.117	19.659	II-III	1
Kartal	47.673	19.528	IV	1
Kétbodony	47.939	19.267	IV	2
Kisecset	47.938	19.317	V	1
Kishartyán	48.084	19.696	III	1

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Leányfalu	47.721	19.091	I	1
Legénd	47.879	19.312	III	1
Lukanénye (Nenince, SK)	48.147	19.261	IV	1
Magyarnándor	47.968	19.348	V	10
Mátraverebély	47.978	19.775	V	2
Mohora	47.999	19.343	V	8
Nagybátfony	47.975	19.821	IV	1
Nagycsalomja	48.069	19.202	III	1
Nagylóc	48.033	19.576	III	1
Nagyoroszi	48.005	19.089	III-IV	1
Nógrád	47.909	19.050	IV	3
Nógrádmarcal	48.029	19.378	IV-V	3
Nógrádmegeyer	48.071	19.625	IV	1
Nógrádsipek	48.008	19.496	II	1
Nyirjes	48.054	19.273	IV	1
Őrhalom	48.075	19.402	IV	4
Pásztó	47.919	19.698	IV	2
Patak	48.019	19.144	IV	2
Patvarc	48.064	19.341	IV	2
Perőcsény	47.994	18.868	I	1
Püspökhatvan	47.776	19.365	III	1
Rétság	47.929	19.138	IV	9
Rimóc	48.037	19.520	IV	2
Romhány	47.926	19.258	V	8
Salgótarján	48.085	19.787	IV-V	8
Szanda	47.928	19.434	II	1
Szécsény	48.077	19.512	IV	5
Szécsény-Benczúrfalva	48.105	19.562	III	1
Szécsény-Pösténypuszta	48.109	19.499	III-IV	1
Szécsényfelfalu	48.143	19.561	IV	1
Szente	47.967	19.283	V	1
Szügy	48.036	19.320	IV	5
Tereske	47.950	19.193	V	5
Tolmács	47.926	19.114	IV-V	5
Vác	47.783	19.135	III	1
Váckisújfalu	47.707	19.351	I	1
Varsány	48.040	19.483	IV	1
Vizslás	48.050	19.811	III	1

## 2013.07.02 – Tereske

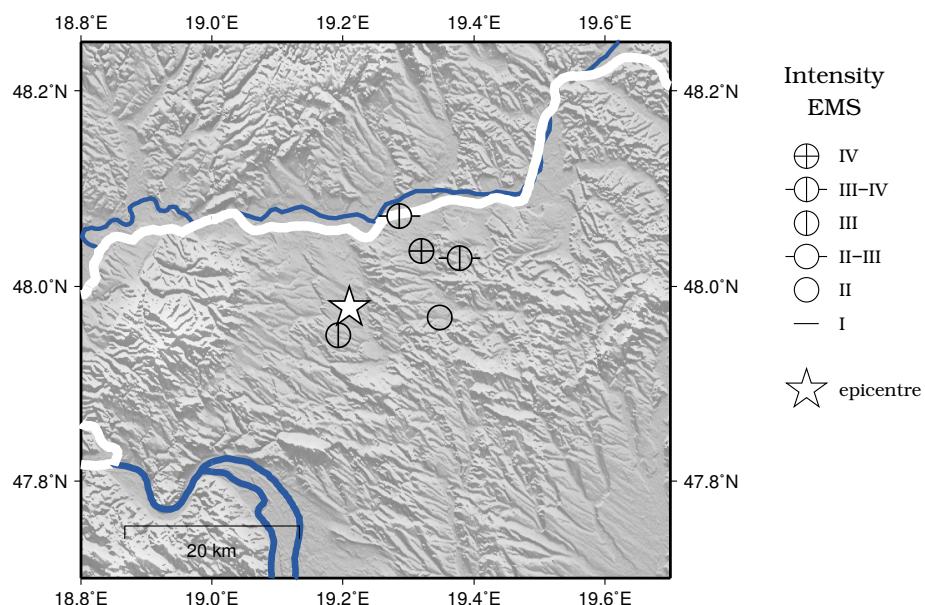


Figure 3.13:  
EMS intensity distribution for the earthquake of 2013.07.02 19:47 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Balassagyarmat	48.072	19.286	III-IV	1
Magyarnádor	47.968	19.348	II	1
Nógrádmarcal	48.029	19.378	III-IV	1
Szügy	48.036	19.320	IV	1
Tereske	47.950	19.193	III	1

Table 3.14:  
Felt EMS intensities for the earthquake of 2013.07.02 19:47 UTC

## 2013.07.11 – Heves

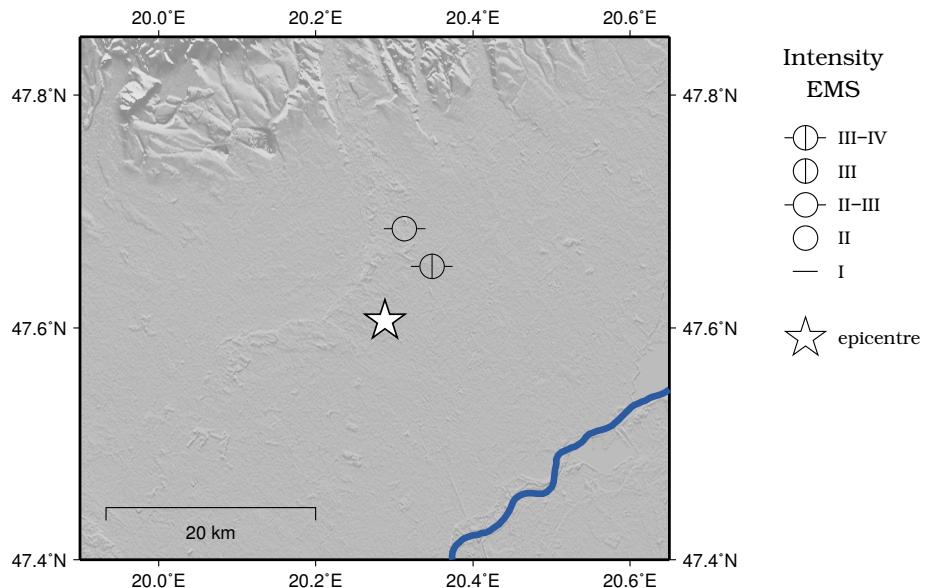


Figure 3.14:  
EMS intensity distribution for the earthquake of 2013.07.11 06:10 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Erdőtelek	47.685	20.313	II-III	2
Tenk	47.653	20.348	III-IV	3

Table 3.15:  
Felt EMS intensities for the earthquake of 2013.07.11 06:10 UTC

## 2013.08.07 – Átány

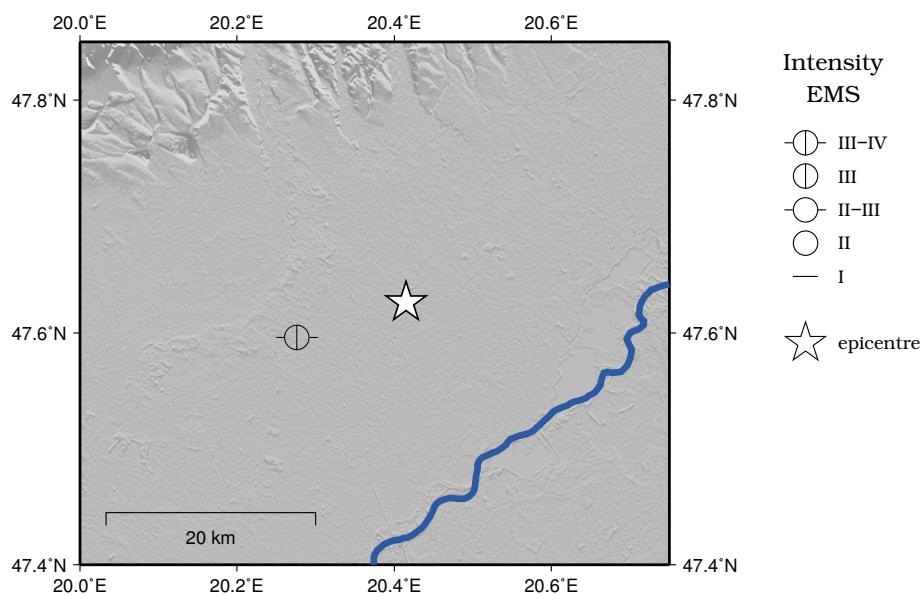


Figure 3.15:  
EMS intensity distribution for the earthquake of 2013.08.07 08:01 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Erdőtelek	47.685	20.313	IV	5
Heves	47.596	20.276	III-IV	1
Tenk	47.653	20.348	IV-V	3

Table 3.16:  
Felt EMS intensities for the earthquake of 2013.08.07 08:01 UTC

## 2013.08.12 – Borsfa

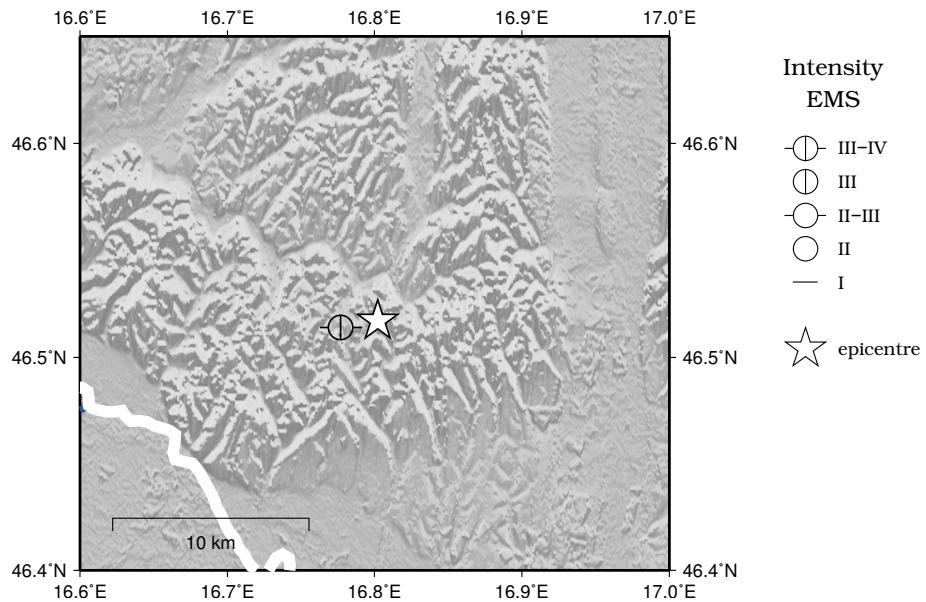


Figure 3.16:  
EMS intensity distribution for the earthquake of 2013.08.12 01:14 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Borsfa	46.514	16.777	III-IV	1

Table 3.17:  
Felt EMS intensities for the earthquake of 2013.08.12 01:14 UTC

## 2013.08.15 – Croatia

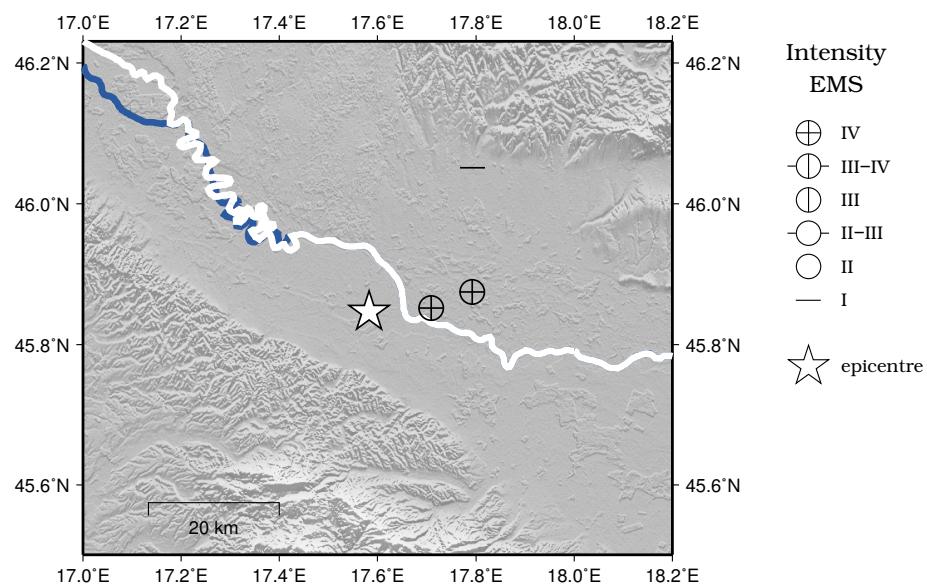


Figure 3.17:  
EMS intensity distribution for the earthquake of 2013.08.15 02:22 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Bogdása	45.875	17.792	IV	1
Felsőszentmárton	45.852	17.709	IV	1
Szigetvár	46.051	17.793	I	1

Table 3.18:  
Felt EMS intensities for the earthquake of 2013.08.15 02:22 UTC

## 2013.10.10 – Márianosztra

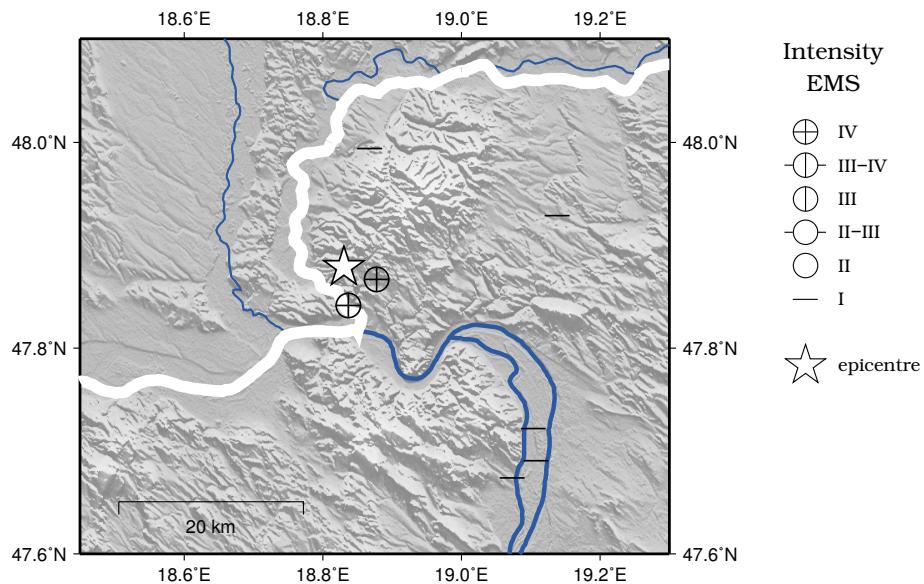


Figure 3.18:  
EMS intensity distribution for the earthquake of 2013.10.10 02:02 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Ipolydamásd	47.842	18.837	IV	1
Márianosztra	47.867	18.878	IV	3
Perőcsény	47.994	18.868	I	1
Pócsmegyer	47.722	19.104	I	1
Rétság	47.929	19.138	I	1
Szentendre	47.674	19.073	I	1
Szigetmonostor	47.691	19.108	I	1

Table 3.19:  
Felt EMS intensities for the earthquake of 2013.10.10 02:02 UTC

## 2013.10.10 – Szob

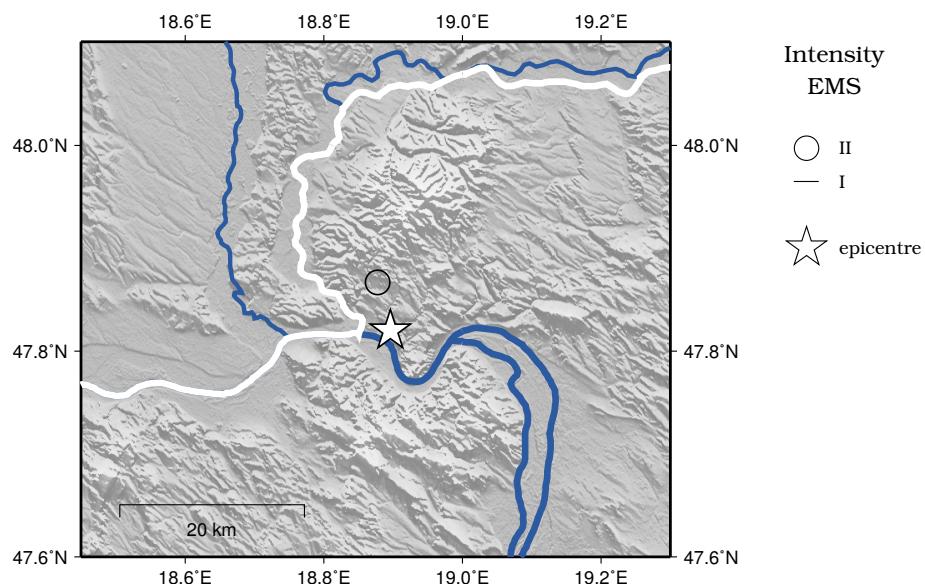


Figure 3.19:  
EMS intensity distribution for the earthquake of 2013.10.10 02:23 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Márianosztra	47.867	18.878	II	1

Table 3.20:  
Felt EMS intensities for the earthquake of 2013.10.10 02:23 UTC

## 2013.10.19 – Bábolna

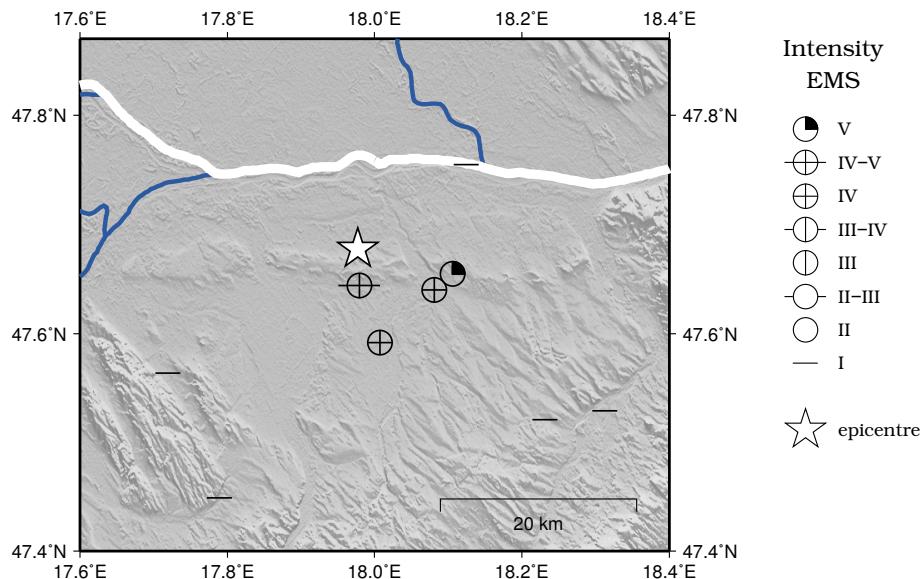


Figure 3.20:  
EMS intensity distribution for the earthquake of 2013.10.19 07:02 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Bábolna	47.644	17.979	IV-V	3
Dad	47.521	18.231	I	1
Écs	47.564	17.719	I	1
Kecskéd	47.529	18.312	I	1
Kisigmánd	47.655	18.106	V	3
Komárom	47.755	18.124	I	1
Nagyigmánd	47.640	18.081	IV	1
Románd	47.449	17.789	I	1
Tárkány	47.592	18.007	IV	1

Table 3.21:  
Felt EMS intensities for the earthquake of 2013.10.19 07:02 UTC

## 2013.12.01 – Versend

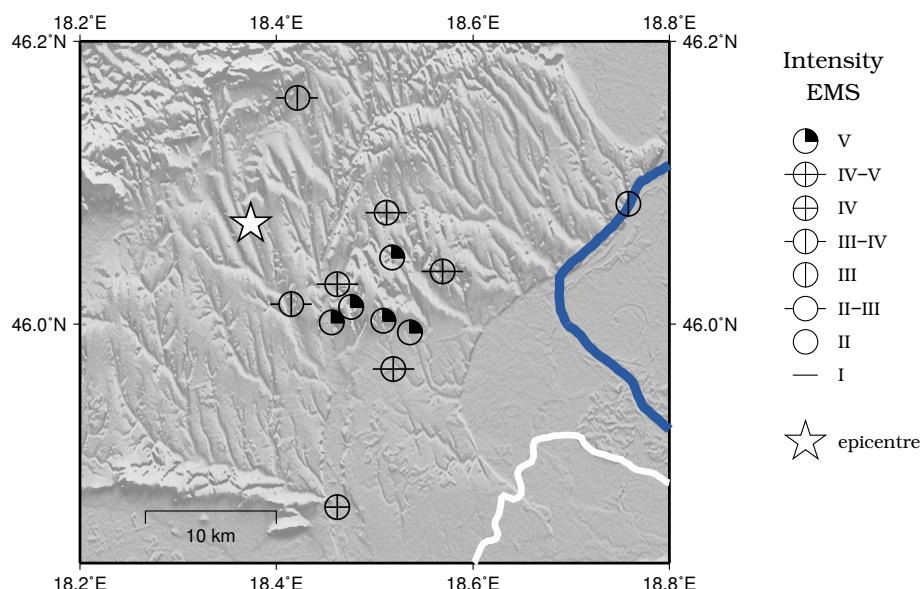


Figure 3.21:  
EMS intensity distribution for the earthquake of 2013.12.01 06:04 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Bóly	45.968	18.519	IV-V	10
Dunaszekcső	46.085	18.758	III	1
Kisnyárád	46.037	18.569	IV-V	1
Liptód	46.047	18.518	V	2
Maráza	46.079	18.512	IV-V	1
Máriakéménd	46.028	18.462	IV-V	1
Monyoród	46.012	18.476	V	2
Olasz	46.014	18.415	III-IV	1
Pécsvárad	46.160	18.421	III-IV	1
Szajk	45.994	18.536	V	4
Szederkény	46.001	18.456	V	4
Versend	46.002	18.509	V	1
Villány	45.870	18.462	IV	1

Table 3.22:  
Felt EMS intensities for the earthquake of 2013.12.01 06:04 UTC

## 2013.12.15 – Almásfüzitő

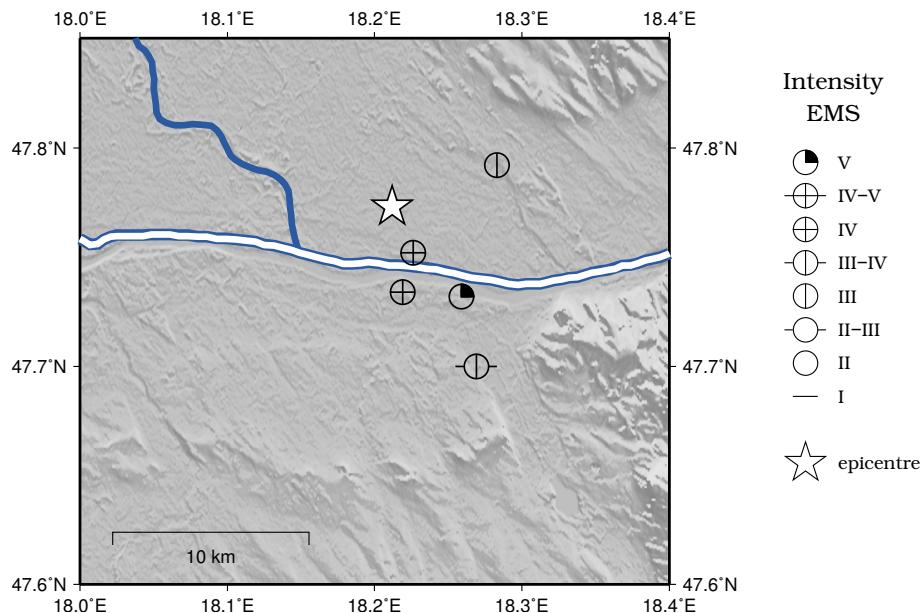


Figure 3.22:  
EMS intensity distribution for the earthquake of 2013.12.15 19:44 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Almásfüzitő	47.732	18.259	V	8
Almásfüzitő-felső	47.734	18.219	IV	1
Dad	47.521	18.231	I	1
Izsa (Iža, SK)	47.752	18.226	IV	1
Marcelháza (Marcelová, SK)	47.792	18.283	III	1
Naszály	47.700	18.269	III-IV	2

Table 3.23:  
Felt EMS intensities for the earthquake of 2013.12.15 19:44 UTC

## 2013.12.17 – Almásfüzitő

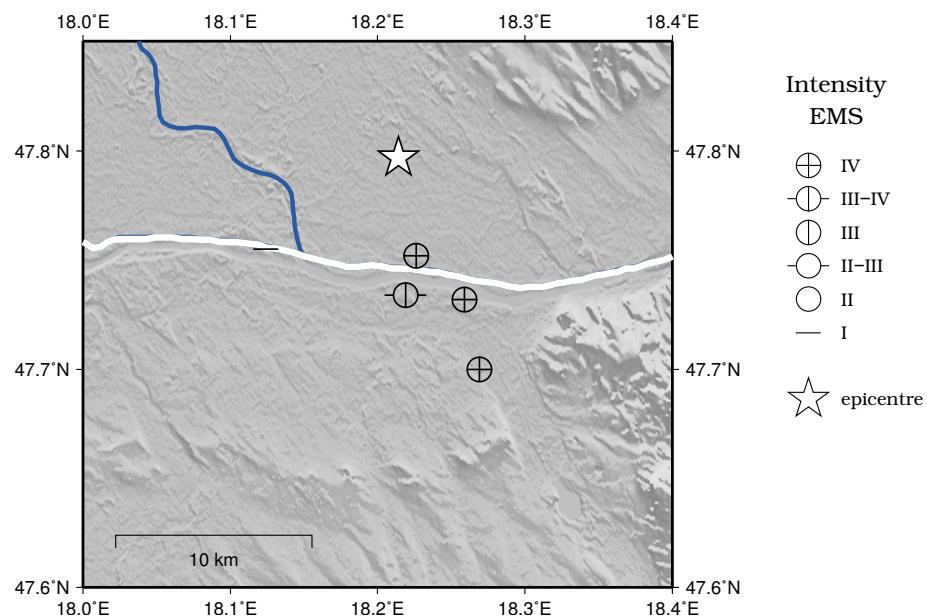


Figure 3.23:  
EMS intensity distribution for the earthquake of 2013.12.17 02:10 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Almásfüzitő	47.732	18.259	IV	6
Almásfüzitő-felső	47.734	18.219	III-IV	1
Izsa (Iža, SK)	47.752	18.226	IV	1
Komárom	47.755	18.124	I	1
Naszály	47.700	18.269	IV	1

Table 3.24:  
Felt EMS intensities for the earthquake of 2013.12.17 02:10 UTC

## 2013.12.30 – Iván

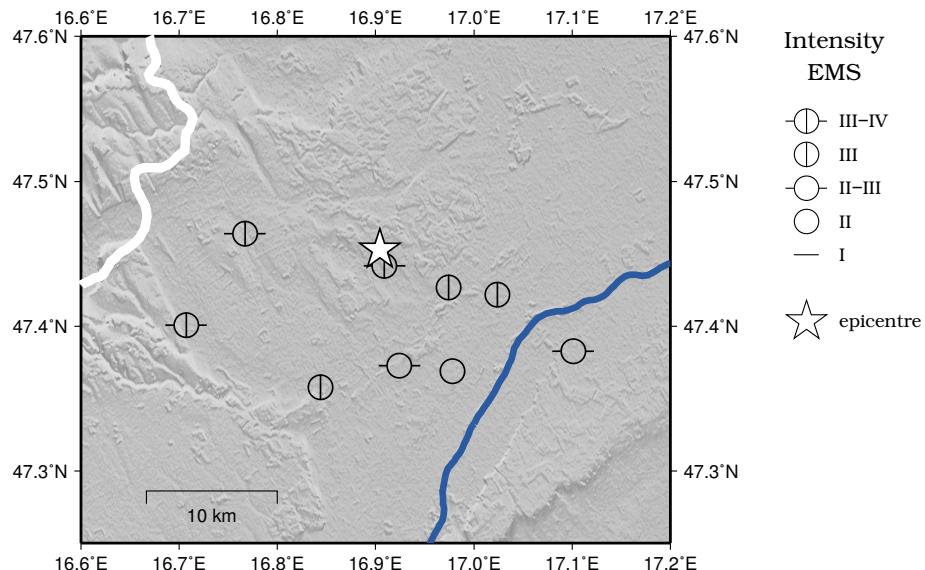


Figure 3.24:  
EMS intensity distribution for the earthquake of 2013.12.30 22:21 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	N
Chernelházadamonya	47.358	16.844	III	1
Csepreg	47.401	16.707	III-IV	3
Egyházasfalu	47.464	16.767	III-IV	1
Iván	47.442	16.909	III-IV	1
Kenyeri	47.383	17.101	II-III	1
Répcelak	47.422	17.024	III	1
Répceszemere	47.427	16.974	III	1
Uraiújfalu	47.369	16.978	II	1
Vasegerszeg	47.373	16.924	II-III	1

Table 3.25:  
Felt EMS intensities for the earthquake of 2013.12.30 22:21 UTC

# 4. Phase data of regional and teleseismic earthquakes and quarry explosions

## Regional and teleseismic earthquakes

In this section the phase and polarity data of the regional and teleseismic events and earthquakes of unknown origin recorded by the Hungarian National Seismological Network are reported. The data are listed in a similar way as in the case of local earthquakes (for the meaning of abbreviations see pages 9–10). The source of focal parameters is the homepage of the European–Mediterranean Seismological Centre (<http://www.emsc-csem.org/Earthquake/?view=65>).

**January 01 2013 Hour: 07:35:49.1 Lat: 46.87°N Lon: 151.06°E M: 5.7 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0747 28.44  
PSZ SZ EP D 0747 35.50  
SOP SZ EP 0747 45.45

**January 01 2013 Hour: 13:13:58.2 Lat: 80.52°N Lon: 122.25°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 1322 19.36  
MORH SZ EP 1322 32.60

**January 02 2013 Hour: 08:19:32.6 Lat: 17.39°S Lon: 177.08°W M: 4.7 Depth: 58 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKPdf 0839 16.50

**January 03 2013 Hour: 02:52:02.0 Lat: 47.01°N Lon: 25.36°E M: 3.4 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPn 0252 38.82  
TRPA SZ EPg 0252 42.56  
LTVH SZ EPn C 0252 44.59  
PSZ SZ EPn 0253 00.50  
TRPA SN Sn 0253 08.02  
LTVH SE Sn 0253 11.95  
MORH SZ EPn 0253 13.89  
TRPA SN ESG 0253 15.24  
PSZ SZ EPg 0253 15.85  
LTVH SN ESG 0253 20.00  
PSZ SN Sn 0253 46.91  
PSZ SN ESG 0254 05.63  
MORH SN Sn 0254 10.27

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**January 04 2013 Hour: 07:50:06.0 Lat: 37.83°N Lon: 14.72°E 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 EPn 0752 17.76  
MORH SE Sn 0753 57.60

**January 04 2013 Hour: 23:16:27.9 Lat: 20.85°S Lon: 169.57°E M: 5.1 Depth: 79 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPKPdf 2335 51.74  
BUD SZ EPKPdf 2335 53.95  
TIH SZ EPKPdf C 2335 56.43  
MORH SZ EPKPdf C 2335 56.63  
SOP SZ EPKPdf C 2335 57.15  
LTVH SE EPKPdf 2337 09.39

**January 04 2013 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 2339 25.47  
PSZ SZ EP 2339 26.56  
MORH SZ EP 2339 29.39  
SOP SZ EP D 2339 30.31

**January 05 2013 Hour: 04:32:45.3 Lat: 36.40°N Lon: 71.38 °E M: 4.8 Depth: 113 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0440 14.02

**January 05 2013 Hour: 08:58:19.3 Lat: 55.39°N Lon: 134.65°W M: 6.4 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0910 01.81  
SOP SZ EP 0910 03.03  
PSZ SZ EP 0910 05.56  
TIH SZ EP 0910 05.56  
BUD SZ EP 0910 08.61  
BEHE SZ EP 0910 09.61  
LTVH SZ EP 0910 10.81  
MORH SZ EP 0910 12.30  
SOP SZ EPP 0912 47.52  
PSZ SZ EPP 0912 48.41  
TRPA SZ EPP 0912 52.86  
TIH SZ EPP 0912 53.75  
MORH SN EPP 0913 00.43  
BEHE SZ EPP 0913 03.52  
LTVH SN EPP C 0913 05.77  
PSZ SZ ES 0919 36.11  
SOP SZ ES 0919 36.11  
TRPA SN ES 0919 40.62  
BEHE SN ES 0919 49.32  
TIH SN ES 0919 49.66  
MORH SZ ES 0919 55.31  
LTVH SZ ES D 0920 03.22  
SOP SZ ESS 0924 27.55  
PSZ SN ESS C 0924 29.81  
TRPA SN ESS 0924 32.06  
BEHE SN ESS 0924 42.75

MORH SN ESS 0924 51.27  
 LTVH SN ESS 0924 52.40

**January 05 2013 Hour: 10:11:33.0 Lat: 43.77°N Lon: 20.66°E M: 3.7 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1012 17.77  
 TIH SZ EPn 1012 29.90  
 BEHE SZ EPn 1012 32.56  
 PSZ SZ EPn 1012 37.17  
 MORH SN Sn 1012 54.97  
 MORH SN ESg 1013 05.85  
 TIH SN Sn 1013 11.43  
 BEHE SN Sn 1013 17.57  
 PSZ SN Sn 1013 26.91  
 BEHE SE ESg 1013 40.02

**January 05 2013 Hour: 17:42:20.0 Lat: 19.98°S Lon: 66.44°E M: 5.3 Depth: 6 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1754 34.11  
 PSZ SZ EP 1754 37.46

**January 06 2013 Hour: 09:05:42.0 Lat: 45.69°N Lon: 14.21°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 0906 16.23  
 BEHE SZ EPg D 0906 19.34  
 MORH SZ EPn 0906 30.97  
 MORH SZ EPg 0906 41.15  
 BEHE SE ESg 0906 46.34  
 MORH SN Sn 0907 08.16  
 MORH SN ESg 0907 25.04

**January 06 2013 Hour: 19:39:04.0 Lat: 45.68°N Lon: 154.00°E M: 4.9 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1950 55.36

**January 06 2013 Hour: 23:22:30.0 Lat: 40.11°N Lon: 21.78°E M: 4.3 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2324 07.97  
 TIH SZ EPn 2324 21.21  
 BUD SZ EPn C 2324 24.12  
 PSZ SZ EPn 2324 27.87  
 MORH SE Sn 2325 18.54  
 TIH SN Sn 2325 41.17  
 BUD XN Sn 2325 48.03  
 PSZ SN Sn 2325 57.63

**January 07 2013 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 D 0302 46.82  
 PSZ SN ESg 0302 48.21

**January 07 2013 Hour: 13:53:49.5 Lat: 37.83°N Lon: 142.36°E M: 4.9 Depth: 6 4 km**

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

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PSZ SZ EP C 1405 56.94  
MORH SZ EP 1406 18.18

**January 08 2013 Hour: 07:51:30.3 Lat: 40.13°N Lon: 142.31°E M: 5.4 Depth: 35 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0803 21.06  
LTVH SZ EP C 0803 25.96  
PSZ SZ EP C 0803 28.40  
BUD SZ EP 0803 33.47  
TIH SZ EP C 0803 36.97  
MORH SZ EP C 0803 37.79  
SOP SZ EP C 0803 38.19  
BEHE SZ EP 0803 41.34

**January 08 2013 Hour: 10:47:44.1 Lat: 39.42°N Lon: 71.84°E M: 4.6 Depth: 36 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1055 09.92

**January 08 2013 Hour: 14:16:08.9 Lat: 39.66°N Lon: 25.54°E M: 5.7 Depth: 13 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 1418 08.73  
MORH SZ EPn 1418 09.31  
TRPA SZ EPn 1418 15.80  
BUD SZ EPn 1418 21.61  
TIH SZ EPn 1418 21.78  
PSZ SZ EPn 1418 22.07  
BEHE SZ EPn 1418 24.14  
SOP SZ EPn 1418 40.00  
LTVH SE ESG 1420 37.23  
PSZ SE ESG 1420 47.60  
TRPA SN ESG 1420 53.61

**January 09 2013 Hour: 01:41:53.2 Lat: 25.34°N Lon: 95.05°E M: 5.8 Depth: 93 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0151 52.77  
LTVH SZ EP 0151 55.92  
PSZ SZ EP C 0152 04.40  
MORH SZ EP 0152 11.19  
TIH SZ EP C 0152 14.34  
BEHE SZ EP C 0152 18.22  
SOP SZ EP 0152 18.46  
BUD SZ EP 0152 18.94  
TRPA SN ES 0159 58.22  
MORH SN ES 0200 31.73  
BUD SN ES 0200 44.14  
LTVH SN ES D 0200 46.62  
TIH SN ES 0200 46.62  
SOP SN ES 0200 49.10  
PSZ SN ES 0200 50.34  
BEHE SN ES 0201 15.16

**January 09 2013 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	0454	58.86
MORH SZ ESg	0455	00.81
MORH SN Sn	0455	17.25

**January 09 2013 Hour: 07:44:17.1 Lat: 29.69°N Lon: 81.71°E M: 5.0 Depth: 15 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0752 58.95  
 PSZ SZ EP 0753 11.85  
 MORH SZ EP C 0753 19.22

**January 09 2013 Hour: 15:41:33.2 Lat: 39.71°N Lon: 25.63°E M: 4.4 Depth: 9 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD SZ EPn C 1543 48.36

**January 09 2013 Hour: 15:41:33.2 Lat: 39.71°N Lon: 25.63°E M: 4.4 Depth: 9 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn 1543 42.86  
 PSZ SZ EPn 1543 44.06  
 TRPA SN Sn 1545 19.71  
 PSZ SE Sn 1545 30.66

**January 09 2013 Hour: 16:03:45.6 Lat: 49.82°N Lon: 18.49°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 1604 21.80  
 PSZ SE Sn 1604 49.61

**January 10 2013 Hour: 12:48:21.4 Lat: 37.49°N Lon: 141.31°E M: 5.0 Depth: 57 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1300 18.76  
 PSZ SZ EP C 1300 26.43  
 MORH SZ EP C 1300 35.02  
 SOP SZ EP C 1300 35.45

**January 10 2013 Hour: 13:47:04.0 Lat: 4.72°N Lon: 95.09°E M: 5.9 Depth: 38 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1358 41.49  
 LTVH SZ EP C 1358 43.29  
 PSZ SZ EP C 1358 50.92  
 BUD SZ EP 1358 53.25  
 MORH SZ EP C 1358 54.31  
 TIH SZ EP C 1358 57.91  
 BEHE SZ EP C 1359 02.47  
 SOP SZ EP C 1359 03.31

**January 10 2013 Hour: 16:33:34.9 Lat: 19.53°N Lon: 64.47°W M: 5.2 Depth: 6 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1644 56.80  
 PSZ SZ EP 1644 57.46

**January 10 2013 Hour: 17:21:03.1 Lat: 52.32°N Lon: 170.50°W M: 4.8 Depth: 26 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1733 07.48  
 MORH SZ EP 1733 09.32

**January 10 2013** Hour: 21:57:21.5 Lat: 16.64°S Lon: 175.23°E M: 5.0 Depth: 86 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKP D 2216 48.26

**January 11 2013** Hour: 00:30:21.1 Lat: 39.65°N Lon: 25.52°E M: 4.3 Depth: 25 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 0032 18.37  
MORH SZ EPn 0032 22.04  
TRPA SZ EPn D 0032 28.25  
TIH SZ EPn 0032 32.28  
BUD SZ EPn 0032 32.45  
BEHE SZ EPn 0032 36.00  
PSZ SZ EPn 0032 36.65  
SOP SZ EPn 0032 46.18  
LTVH SN ESg 0034 49.11  
MORH SN ESg 0034 52.17  
TRPA SN ESg 0035 03.89  
TIH SN ESg 0035 12.05  
PSZ SN ESg 0035 13.07

**January 11 2013** Hour: 09:10:14.9 Lat: 13.30°N Lon: 92.34°E M: 4.9 Depth: 35 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0921 03.45  
PSZ SZ EP 0921 14.07  
MORH SZ EP 0921 18.35

**January 11 2013** Hour: 21:56:16.0 Lat: 40.42°N Lon: 25.90°E M: 3.9 Depth: 13 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 2158 10.92  
MORH SZ EPn 2158 11.39  
LTVH SE ESg 2200 25.74

**January 12 2013** Hour: 03:25:04.3 Lat: 31.82°N Lon: 50.95°E 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 D 0330 47.15  
LTVH SZ EP 0330 49.41  
MORH SZ EP 0331 01.86  
PSZ SZ EP 0331 02.51  
BUD SZ EP 0331 04.10  
BEHE SZ EP 0331 14.30  
SOP SZ EP 0331 18.03

**January 12 2013** Hour: 10:22:09.1 Lat: 18.86°S Lon: 169.17°E M: 4.7 Depth: 235 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKPdf 1041 14.20

**January 12 2013** Hour: 13:37:26.9 Lat: 47.42°N Lon: 153.43°E M: 5.2 Depth: 69 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1349 04.82  
PSZ SZ EP D 1349 11.39  
BUD SZ EP D 1349 14.98  
SOP SZ EP D 1349 19.20

MORH SZ EP D 1349 20.63  
 TIH SZ EP D 1349 20.63

**January 13 2013 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 0145 20.47  
 TRPA SZ EPn 0145 23.89  
 PSZ SN Sn 0145 41.62  
 TRPA SN Sn 0145 46.53

**January 13 2013 Hour: 03:17:43.7 Lat: 39.18°N Lon: 142.16°E M: 5.0 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0329 35.30  
 PSZ SZ EP C 0329 43.04  
 SOP SZ EP 0329 52.15  
 MORH SZ EP 0329 52.59

**January 13 2013 Hour: 08:55:15.2 Lat: 39.63°N Lon: 25.55°E M: 4.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EPn 0857 15.72  
 MORH SZ EPn 0857 16.93  
 TRPA SZ EPn 0857 22.94  
 TIH SZ EPn 0857 28.03  
 BUD SZ EPn 0857 28.31  
 PSZ SZ EPn 0857 29.51  
 BEHE SZ EPn 0857 32.75  
 SOP SZ EPn 0857 44.22  
 LTVH SN ESg 0859 31.48  
 MORH SN ESg 0859 45.99  
 TRPA SN ESg 0900 02.37  
 TIH SN ESg 0900 06.46  
 PSZ SN ESg 0900 15.40

**January 13 2013 Hour: 12:44:08.4 Lat: 60.53°N Lon: 152.88°W M: 5.0 Depth: 135 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1255 15.00  
 TRPA SZ EP C 1255 15.11  
 PSZ SZ EP 1255 15.40  
 SOP SZ EP 1255 15.53

**January 13 2013 Hour: 17:50:16.4 Lat: 26.04°N Lon: 110.06°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 1758 33.57  
 PSZ SZ EP 1759 14.76

**January 14 2013 Hour: 11:50:57.4 Lat: 35.67°N Lon: 21.71°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 1153 29.44  
 PSZ SZ EPn 1153 49.42  
 MORH SE Sn 1155 34.87  
 PSZ SN Sn 1156 13.96

**January 14 2013 Hour: 14:55:51.9 Lat: 55.16°N Lon: 134.55°E M: 5.2 Depth: 4 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1506 16.75  
PSZ SZ EP 1506 23.99  
MORH SZ EP 1506 27.08  
LTVH SZ EP 1506 29.50

**January 15 2013 Hour: 02:58:14.0 Lat: 32.44°N Lon: 141.57°E M: 5.0 Depth: 36 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0310 35.65  
PSZ SZ EP D 0310 42.40  
MORH SZ EP 0310 56.88

**January 15 2013 Hour: 19:11:16.0 Lat: 45.07°N Lon: 17.07°E M: 2.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1911 45.97  
TIH SZ EPn 1911 51.53  
SOP SZ EPn 1911 58.29  
PSZ SZ EPn 1912 10.74  
MORH SN Sn 1912 11.18  
TIH SN Sn 1912 15.71  
SOP SN Sn 1912 29.15  
PSZ SN Sn 1912 51.85

**January 16 2013 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 1508 44.80  
PSZ SN Sn 1508 50.74

**January 17 2013 Hour: 13:21:50.0 Lat: 43.62°N Lon: 16.38°E M: 4. Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 1322 36.08  
MORH SZ EPn 1322 41.08  
TIH SZ EPn 1322 44.11  
BEHE SZ ESg 1322 44.59  
SOP SZ EPn 1322 51.93  
PSZ SZ EPn 1323 04.61  
BEHE SN Sn 1323 12.85  
MORH SN Sn 1323 19.07  
TIH SN Sn 1323 22.76  
MORH SN ESg 1323 28.97  
SOP SN Sn 1323 39.69  
TIH SN ESg 1323 40.15  
PSZ SN Sn 1324 00.97  
SOP SN ESg 1324 01.93

**January 17 2013 Hour: 21:17:36.6 Lat: 32.03°N Lon: 30.62°E M: 4.9 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 2121 31.94  
MORH SZ EPn 2121 35.58  
TRPA SZ EPn 2121 38.69  
TIH SZ EPn 2121 44.65  
BUD SZ EPn 2121 45.48  
PSZ SZ EPn 2121 45.63

BEHE SZ EPn 2121 46.13  
 SOP SZ EPn 2121 57.65

**January 18 2013 Hour: 12:42:50.8 Lat: 31.05°N Lon: 99.54°E M: 5.4 Depth: 8 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1253 14.16  
 TRPA SZ EP 1253 17.65  
 PSZ SZ EP 1253 19.65  
 SOP SZ EP 1253 20.68

**January 19 2013 Hour: 13:48:02.4 Lat: 11.25°N Lon: 125.38°E M: 5.4 Depth: 43 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 1401 03.20  
 PSZ SZ EP 1401 06.61  
 MORH SZ EP 1401 09.23

**January 19 2013 Hour: 21:49:17.0 Lat: 40.99°N Lon: 21.10°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 2150 39.86  
 TIH SZ EPn 2150 51.95  
 PSZ SZ EPn 2151 01.45  
 MORH SN Sn 2151 41.55  
 TIH SN Sn 2152 04.91  
 PSZ SN Sn 2152 20.95

**January 19 2013 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 2318 48.84  
 TIH SZ EPg 2318 49.23  
 PSZ SZ EPg 2318 55.64

**January 20 2013 Hour: 10:48:47.5 Lat: 64.84°N Lon: 146.50°E M: 5.7 Depth: 12 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1058 48.47  
 LTVH SZ EP C 1058 54.47  
 PSZ SZ EP C 1058 54.79  
 BUD SZ EP C 1058 58.68  
 SOP SZ EP 1059 03.22  
 TIH SZ EP C 1059 04.84  
 MORH SZ EP C 1059 07.11

**January 20 2013 Hour: 21:25:06.2 Lat: 53.97°N Lon: 35.06°W M: 4.7 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 2131 39.25  
 PSZ SZ EP 2131 54.69  
 MORH SZ EP 2131 55.23  
 SOP SN EPP 2132 51.09  
 PSZ SN EPP 2133 10.94  
 MORH SN EPP 2133 15.33  
 MORH SE IS 2137 27.25

**January 20 2013 Hour: 21:40:31.2 Lat: 53.99°N Lon: 35.11°W M: 4.8 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

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PSZ SZ EP	2147 19.33
MORH SZ EP	2147 19.85
TRPA SZ EP	2147 23.72

**January 20 2013 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	2318 24.50
LTVH SZ EP	2318 27.41
SOP SZ EP	2318 30.77
MORH SZ EP	2318 31.69

**January 20 2013 Hour: 23:32:22.4 Lat: 53.87°N Lon: 35.12°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	2339 11.95

**January 21 2013 Hour: 01:42:26.0 Lat: 44.48°N Lon: 15.81°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	0143 11.49
TIH SZ EPn	0143 11.59
SOP SZ EPn	0143 13.70
BUD SN EPn	C 0143 21.19
BUD SZ EPn	0143 24.85
PSZ SZ EPn	0143 30.46
MORH SN Sn	0143 41.97
SOP SN Sn	0143 45.72
TIH SN Sn	0143 48.04
TRPA SZ EPn	0143 52.18
BUD SN Sn	0144 10.99
TRPA SZ EPg	0144 13.85
PSZ SN Sn	0144 20.66

**January 21 2013 Hour: 19:48:58.8 Lat: 30.31°N Lon: 57.47°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP	1955 27.75
SOP SZ EP	1955 58.34

**January 21 2013 Hour: 22:22:52.7 Lat: 4.93°N Lon: 95.91°E M: 5.8 Depth: 12 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP	2234 34.34
LTVH SZ EP	2234 37.74
PSZ SZ EP	2234 45.06
TIH SZ EP	2234 49.50
SOP SZ EP	2234 59.96
LTVH SE ES	2244 12.33
TRPA SN ES	2244 13.47
TIH SE ES	2244 22.63
PSZ SN ES	2244 27.20
SOP SE ES	2244 40.93

**January 22 2013 Hour: 08:40:50.5 Lat: 61.34°S Lon: 154.14°E M: 5.3 Depth: 7 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPKPbc D	0900 39.02
TRPA SZ EPKPbc	0900 45.94

**January 22 2013 Hour: 11:12:17.2 Lat: 33.23°N Lon: 48.73°E M: 4.9 Depth: 25 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1117 36.25  
 LTVH SZ EP 1117 38.03  
 MORH SZ EP 1117 52.07  
 PSZ SZ EP 1117 52.37  
 BUD SZ EP 1117 55.89  
 TIH SZ EP 1117 58.76  
 SOP SZ EP 1118 07.70

**January 22 2013 Hour: 13:29:22.9 Lat: 44.48°N Lon: 140.96°E M: 4.9 Depth: 235 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1340 28.76  
 PSZ SZ EP 1340 36.15  
 SOP SZ EP D 1340 45.50  
 MORH SZ EP 1340 45.62

**January 22 2013 Hour: 15:09:22.8 Lat: 36.34°N Lon: 68.85°E M: 5.2 Depth: 52 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1516 18.20  
 PSZ SZ EP 1516 31.54  
 MORH SZ EP 1516 39.65

**January 23 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ IPg 1618 54.58  
 MORH SZ IP D 1618 54.59  
 MORH SN Esg 1618 57.75

**January 23 2013 Hour: 20:30:54.0 Lat: 40.93°N Lon: 20.71°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 2032 17.74  
 TIH SZ EPn 2032 28.99  
 PSZ SZ EPn 2032 37.74  
 MORH SN Sn 2033 22.04  
 TIH SN Sn 2033 42.78  
 PSZ SN Sn 2033 58.88

**January 23 2013 Hour: 21:34:33.6 Lat: 43.09°N Lon: 145.68°E M: 5.3 Depth: 74 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2146 14.88  
 LTVH SZ EP 2146 20.02  
 PSZ SZ EP C 2146 21.90  
 BUD SZ EP C 2146 25.56  
 TIH SZ EP C 2146 30.01  
 SOP SZ EP C 2146 30.40  
 MORH SZ EP C 2146 31.49

**January 24 2013 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 0139 54.65

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**January 24 2013** Hour: 04:51:07.2 Lat: 27.86°N Lon: 56.56°E M: 4.6 Depth: 18 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 0458 11.33

**January 24 2013** Hour: 07:35:39.4 Lat: 49.80°N Lon: 87.65°E M: 5.3 Depth: 20 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0743 25.64  
LTVH SZ EP C 0743 32.68  
PSZ SZ EP C 0743 39.75  
BUD SZ EP C 0743 45.53  
MORH SZ EP C 0743 52.23  
TIH SZ EP C 0743 52.23  
SOP SZ EP C 0743 56.54

**January 24 2013** 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 2142 44.50  
MORH SN Sn 2142 54.14

**January 25 2013** Hour: 12:11:27.9 Lat: 31.77°N Lon: 50.91°E M: 5.0 Depth: 38 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1217 08.23  
MORH SZ EP 1217 22.76  
SOP SZ EP 1217 37.95

**January 25 2013** Hour: 14:48:18.0 Lat: 44.17°N Lon: 10.45°E M: 5.0 Depth: 16 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 1449 36.40  
TIH SZ EPn 1449 46.05  
MORH SZ EPn 1449 49.22  
PSZ SZ EPn 1450 06.37  
SOP SN Sn 1450 40.82  
PSZ SZ ESg 1450 41.42  
TIH SN Sn 1450 53.23  
MORH SN EPn 1450 57.84  
PSZ SN Sn 1451 30.43  
MORH SN Sn 1451 30.43

**January 25 2013** Hour: 18:52:26.2 Lat: 43.25°N Lon: 18.63°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 D 1853 12.04  
TIH SZ EPn 1853 22.78  
BUD SZ EPn C 1853 29.87  
PSZ SZ EPn 1853 36.16  
SOP SZ EPn 1853 36.71  
MORH SN Sn 1853 48.67  
TIH SN Sn 1854 07.74  
BUD SN Sn 1854 19.55  
SOP SN Sn 1854 29.25  
PSZ SN Sn 1854 35.61

**January 25 2013** Hour: 20:13:28.0 Lat: 43.26°N Lon: 18.67°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 D 2014 15.61  
 MORH SN Sn 2014 50.86

**January 25 2013 Hour: 23:37:01.1 Lat: 23.61°S Lon: 43.59°E 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 2348 31.46  
 TRPA SZ EP 2348 36.13  
 TIH SZ EP C 2348 36.48  
 BUD SZ EP C 2348 37.90  
 PSZ SZ EP C 2348 38.57  
 SOP SZ EP D 2348 43.25

**January 26 2013 Hour: 00:24:55.6 Lat: 46.97°N Lon: 25.35°E M: 2.9 Depth: 1 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn 0025 36.36  
 LTVH SZ EPn 0025 40.00  
 PSZ SZ EPn 0025 57.30  
 TRPA SN Sn 0026 02.23  
 LTVH SN Sn 0026 14.14  
 PSZ SN Sn 0026 41.72

**January 26 2013 Hour: 05:15:59.4 Lat: 34.53°N Lon: 23.96°E M: 4.3 Depth: 9 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn D 0518 53.67

**January 26 2013 Hour: 13:29:49.0 Lat: 43.90°N Lon: 17.44°E M: 2.8 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1330 31.14  
 MORH SZ ESG 1330 36.27  
 TIH SZ EPn 1330 39.41  
 MORH SN Sn 1331 02.48  
 TIH SN Sn 1331 15.75

**January 26 2013 Hour: 15:10:49.0 Lat: 38.36°N Lon: 46.84°E M: 4.8 Depth: 6 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1515 25.44  
 PSZ SZ EP 1515 44.20  
 MORH SZ EP D 1515 50.35

**January 27 2013 Hour: 09:59:29.0 Lat: 16.12°S Lon: 173.24°W M: 5.7 Depth: 19 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1019 06.24  
 LTVH SZ EP D 1019 09.47  
 PSZ SZ EP 1019 09.76  
 BUD SZ EP D 1019 10.73  
 SOP SZ EP 1019 12.25  
 TIH SZ EP D 1019 13.63  
 MORH SZ EP D 1019 14.60

**January 27 2013 Hour: 18:41:50.8 Lat: 36.56°N Lon: 140.45°E M: 5.0 Depth: 89 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1853 46.25  
 PSZ SZ EP 1853 54.02

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SOP SZ IPg	1854 02.89
TIH SZ EP	1854 03.23

**January 27 2013 Hour: 20:57:35.4 Lat: 27.31°N Lon: 128.35°E M: 5.2 Depth: 61 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP	C 2109 37.91
PSZ SZ EP	2109 46.56
LTVH SZ EP	2109 48.70
TIH SZ EP	2109 55.24
SOP SZ EP	2109 57.60

**January 28 2013 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	D 1548 42.53
MORH SN ESG	1548 46.80
TIH SZ EPn	1548 57.01
TIH SN Sn	1549 11.81
PSZ SZ EPn	1549 17.34

**January 28 2013 Hour: 16:38:53.5 Lat: 42.61°N Lon: 79.71°E M: 6.1 Depth: 15 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP	1646 27.05
LTVH SZ EP	1646 32.88
PSZ SZ EP	1646 41.07
BUD SZ EP	1646 46.62
MORH SZ EP	1646 51.80
TIH SZ EP	1646 55.19
SOP SZ EP	1647 00.37
TRPA SZ EPP	1647 56.10
LTVH SZ EPP	1648 07.57
PSZ SZ EPP	1648 20.87
BUD SZ EPP	1648 24.99
MORH SZ EPP	1648 30.96
TIH SZ EPP	1648 32.79
SOP SZ EPP	1648 40.59
PSZ SN ES	1652 53.91
MORH SN ES	1653 18.32
TRPA SN ESS	1655 30.71
PSZ SN ESS	1656 03.17
MORH SN ESS	1656 28.61
TIH SN ESS	1656 31.24
SOP SE ESS	1656 46.16

**January 30 2013 Hour: 01:31:01.0 Lat: 49.88°N Lon: 18.38°E M: 3.2 Depth: 0 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPn	0131 38.62
PSZ SZ ESG	0131 42.77
SOP SZ EPn	0131 43.09
SOP SZ ESG	0131 48.87
TIH SZ EPn	0131 50.34
TRPA SZ EPn	0131 53.27
TIH SZ ESG	0131 57.42
MORH SZ EPn	0131 58.23

TRPA	SZ	ESg	0132	03.12
PSZ	SN	Sn	0132	06.29
SOP	SN	Sn	0132	13.86
TIH	SN	Sn	0132	26.31
TRPA	SN	Sn	0132	32.09
MORH	SN	Sn	0132	38.98

**January 30 2013 Hour: 02:32:19.0 Lat: 10.55°N Lon: 126.69°E M: 5.4 Depth: 40 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA	SZ	EP	D	0245 20.95
LTVH	SZ	EP		0245 24.75
BUD	SZ	EP		0245 26.40
PSZ	SZ	EP		0245 28.72
MORH	SZ	EP		0245 35.00
TIH	SZ	EP		0245 37.64
SOP	SZ	EP		0245 39.46

**January 30 2013 Hour: 17:32:55.3 Lat: 36.66°N Lon: 96.53°E M: 4.7 Depth: 15 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
SOP	SZ	EP		1742 17.70
TRPA	SZ	EP	D	1742 23.12
PSZ	SZ	EP		1742 30.94
MORH	SZ	EP		1742 36.57

**January 31 2013 Hour: 03:33:43.7 Lat: 10.64°S Lon: 166.37°E M: 6.1 Depth: 9 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA	SZ	EPP		0355 16.36
LTVH	SZ	EPP		0355 21.17
BUD	SZ	EPP		0355 26.20
PSZ	SZ	EPP		0355 29.07
MORH	SZ	EPP		0355 33.74
SOP	SZ	EPP		0355 34.81

**January 31 2013 Hour: 08:04:08.0 Lat: 39.87°N Lon: 19.74°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		0805 43.63
MORH	SE	Sn		0806 54.14

**January 31 2013 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		0833 21.84
MORH	SN	ESg		0833 27.84

**January 31 2013 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		0906 22.70
MORH	SN	ESg		0906 27.31

**January 31 2013 Hour: 09:53:40.3 Lat: 55.44°N Lon: 135.02°W M: 5.6 Depth: 13 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ	SZ	EP		1005 23.66
TIH	SZ	EP		1005 27.74
SOP	SZ	EP		1005 28.05

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TRPA SZ EP	1005 29.72
MORH SZ EP	1005 30.66
LTVH SZ EP	C 1005 34.74

**January 31 2013 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 2320 46.89
MORH SE ESG 2320 50.14

**February 01 2013 Hour: 07:39:49.2 Lat: 48.31°N Lon: 154.62°E M: 4.4 Depth: 68 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP C 0751 25.09
PSZ SZ EP C 0751 31.60
SOP SZ EP 0751 38.95
MORH SZ EP 0751 40.73

**February 01 2013 Hour: 22:16:34.1 Lat: 10.89°S Lon: 165.38°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPKiKP 2235 47.13
LTVH SZ EPKiKP 2235 48.72

**February 02 2013 Hour: 01:19:35.0 Lat: 6.94°S Lon: 105.37°E M: 5.0 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EP D 0132 46.13

**February 02 2013 Hour: 03:39:52.4 Lat: 23.79°N Lon: 121.98°E M: 5.2 Depth: 36 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EP 0352 01.83
MORH SZ EP C 0352 07.91
TIH SZ EP C 0352 08.49

**February 02 2013 Hour: 11:33:54.0 Lat: 34.26°N Lon: 25.05°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 EPn 1136 58.64
PSZ SZ EPn 1137 12.83
SOP SZ EPn 1137 23.66
MORH SN Sn 1139 12.65
PSZ SN Sn 1139 54.03
SOP SN Sn 1140 01.73

**February 02 2013 Hour: 13:35:33.0 Lat: 46.49°N Lon: 14.62°E M: 4.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
BEHE SZ EPn 1336 01.65
SOP SZ EPn 1336 06.03
TIH SZ EPn 1336 11.92
MORH SZ EPn 1336 18.69
BEHE SN Sn 1336 23.87
BUD SZ EPn 1336 25.28
SOP SN Sn 1336 29.26
PSZ SZ EPn 1336 35.97
TIH SN Sn 1336 41.81
MORH SN Sn 1336 54.78
BUD SN Sn 1337 03.01

PSZ SN Sn 1337 17.38

**February 02 2013 Hour: 14:17:35.1 Lat: 42.77°N Lon: 143.09°E M: 6.4 Depth: 107 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 1429 05.98  
 LTVH SZ IP C 1429 13.08  
 PSZ SZ IP C 1429 15.49  
 BUD SZ IP C 1429 18.21  
 TIH SZ IP C 1429 22.50  
 SOP SZ IP 1429 23.82  
 MORH SZ IP 1429 24.15  
 BEHE SZ IP C 1429 27.45  
 TRPA SZ EPP D 1431 53.21  
 PSZ SN EPP 1432 09.81  
 BUD SN EPP 1432 13.58  
 TIH SN EPP 1432 15.09  
 SOP SN EPP D 1432 21.87  
 MORH SN EPP 1432 23.38  
 BEHE SN EPP D 1432 27.53  
 TRPA SE ES 1438 37.05  
 TRPA SZ ES 1438 40.20  
 LTVH SE ES 1438 48.30  
 PSZ SN ES 1438 53.70  
 BUD SN ES 1439 02.93  
 SOP SE ES 1439 09.46  
 TIH SN ES 1439 10.81  
 MORH SN ES 1439 11.71  
 BEHE SN ES 1439 23.86

**February 02 2013 Hour: 18:58:06.0 Lat: 10.89°S Lon: 165.28°E M: 5.4 Depth: 6 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1844 10.76  
 PSZ SZ EP C 1844 18.37  
 MORH SZ EP 1844 22.75

**February 02 2013 Hour: 18:59:29.0 Lat: 41.89°N Lon: 20.13°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 1900 36.56  
 TIH SZ EPn 1900 48.59  
 PSZ SZ EPn 1900 58.71  
 MORH SN Sn 1901 27.54  
 TIH SN Sn 1901 51.24  
 PSZ SN Sn 1902 05.27

**February 03 2013 Hour: 02:08:29.0 Lat: 43.26°N Lon: 18.67°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 0209 16.41  
 TIH SZ EPn 0209 27.08  
 SOP SZ EPn 0209 40.49  
 PSZ SZ EPn 0209 42.79  
 MORH SN Sn 0209 52.33  
 TIH SN Sn 0210 11.65  
 PSZ SN Sn 0210 32.32

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SOP SN Sn      0210 32.75

**February 03 2013 Hour: 03:37:15.1 Lat: 43.27°N Lon: 18.72°E M: 3.8 Depth: 10 km**

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

MORH SZ EPn	0338 01.86
BEHE SZ EPn	0338 10.78
TIH SZ EPn	0338 13.19
BUD SZ EPn	0338 20.23
PSZ SZ EPn	0338 26.00
SOP SZ EPn	0338 26.74
MORH SN Sn	0338 38.44
LTVH SZ EPn	0338 51.36
BEHE SN Sn	0338 53.66
TIH SN Sn	0338 56.83
BUD SN Sn	0339 10.05
SOP SN Sn	0339 18.85
PSZ SN Sn	0339 19.86

**February 03 2013 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	0630 26.22
MORH SN ESG	0630 36.61

**February 03 2013 Hour: 11:55:48.0 Lat: 43.23°N Lon: 18.67°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	1156 35.30
TIH SZ EPn	D 1156 45.92
PSZ SZ EPn	1157 02.30
MORH SN Sn	1157 09.64
TIH SN Sn	1157 31.60
PSZ SN Sn	1157 51.50

**February 03 2013 Hour: 12:00:59.9 Lat: 43.18°N Lon: 18.73°E M: 4.9 Depth: 13 km**

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

MORH SZ EPn	1201 45.08
BEHE SZ EPn	1201 53.88
MORH SZ ESG	1201 55.40
TIH SZ EPn	1201 55.55
BUD SZ EPn	1202 03.51
BEHE SZ ESG	1202 06.42
SOP SZ EPn	1202 10.00
PSZ SZ EPn	1202 11.85
MORH SN Sn	1202 20.54
LTVH SZ EPn	1202 23.52
PSZ SZ ESG	1202 28.87
BEHE SN Sn	1202 38.69
TIH SN Sn	1202 41.20
BUD SN Sn	1202 55.51
TIH SN ESG	1203 00.46
SOP SN Sn	1203 01.30
LTVH SN Sn	1203 02.14
PSZ SN Sn	1203 02.98
BUD SN ESG	1203 17.93

PSZ SN ESg 1203 32.70

**February 03 2013 Hour: 22:56:10.2 Lat: 29.33°N Lon: 142.02°E M: 5.4 Depth: 23 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2308 47.29  
 PSZ SZ EP 2308 54.43  
 MORH SZ EP C 2309 02.26

**February 04 2013 Hour: 04:29:46.6 Lat: 43.68°N Lon: 16.39°E M: 4.4 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0430 35.40  
 BEHE SZ EPn 0430 35.57  
 TIH SZ EPn 0430 39.95  
 SOP SZ EPn 0430 47.97  
 BUD SZ EPn 0430 52.83  
 BEHE SN Sn 0431 07.65  
 PSZ SZ EPn 0431 08.14  
 MORH SN Sn 0431 10.81  
 TRPA SZ EPn 0431 19.13  
 BEHE SN ESg 0431 20.94  
 TIH SN Sn 0431 23.21  
 SOP SN Sn 0431 35.84  
 BUD SN Sn 0431 42.41  
 PSZ SE Sn C 0431 52.56  
 PSZ SN EPn 0431 52.72  
 PSZ SN Sn 0431 53.59  
 SOP SN ESg 0432 02.45  
 BUD SN ESg 0432 03.61  
 PSZ SN ESg 0432 24.84  
 TRPA SE Sn 0432 25.33  
 TRPA SN Sn 0432 31.56

**February 04 2013 Hour: 07:56:54.5 Lat: 34.80°N Lon: 24.15°E M: 4.7 Depth: 27 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 0759 42.74  
 MORH SN Sn 0801 51.70

**February 04 2013 Hour: 12:04:55.0 Lat: 32.90°N Lon: 94.70°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 EP 1214 47.70

**February 05 2013 Hour: 03:24:50.0 Lat: 45.48°N Lon: 151.32°E M: 5.1 Depth: 34 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0336 37.53  
 TIH SZ EP 0336 37.66  
 LTVH SZ EP C 0336 42.05  
 PSZ SZ EP C 0336 44.01  
 SOP SZ EP 0336 52.07  
 MORH SZ EP 0336 52.93

**February 05 2013 Hour: 03:59:39.0 Lat: 43.24°N Lon: 18.71°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 0400 24.62

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TIH SZ EPn	0400	35.42
MORH SN Sn	0401	01.74
TIH SN Sn	0401	21.70

February 05 2013 Hour: 03:57:27.2 Lat: 13.86°N Lon: 92.93°E M: 4.8 Depth: 16 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 0408 32.97

February 05 2013 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	2234	44.57
PSZ SN Esg	2234	53.42
MORH SZ EPn	2234	55.81
PSZ ST E C	2234	56.33
TIH SZ EPn	2234	59.31
PSZ ST E	2235	03.16
MORH SN Sn	2235	14.29
TIH SN Sn	2235	17.95

February 06 2013 Hour: 01:12:25.8 Lat: 10.80°S Lon: 165.11°E M: 6.4 Depth: 24 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 0131 30.42  
TRPA SZ EP 0131 42.32  
PSZ SZ EP 0131 48.16  
BEHE SZ EP 0131 48.91  
SOP SZ EP 0131 48.91  
BUD SZ EP 0131 52.55  
MORH SZ EP 0131 53.76  
TIH SZ EP 0131 55.94  
TRPA SZ EPKiKP 0133 56.18  
MORH SZ EPKiKP 0134 12.78  
PSZ SZ EPKiKP 0134 15.25  
SOP SZ EPKiKP 0134 18.43  
TIH SZ EPKiKP 0134 18.79  
TRPA SN ESS 0151 36.10  
PSZ SN ESS 0151 46.94  
LTVH SE ESS 0151 46.94  
BUD XE ESS C 0151 59.13  
MORH SE ESS 0152 12.69  
SOP SN ESS 0152 14.04  
BEHE SN ESS 0152 14.04  
TIH SN ESS 0152 15.40

February 06 2013 Hour: 01:23:19.7 Lat: 11.18°S Lon: 164.88°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 SZ EPKiKP 0142 35.76  
LTVH SZ EPKiKP 0142 36.69  
PSZ SZ EPKiKP 0142 36.69  
TRPA SZ EPKiKP 0142 39.42  
MORH SZ EPKiKP D 0142 40.11  
SOP SZ EPKiKP 0142 41.81  
TIH SZ EPKiKP 0142 42.54  
BEHE SZ EPKiKP 0142 43.52

TRPA	SN	EPS	0152	03.66
PSZ	SN	EPS	0152	09.78
LTVH	SN	EPS	0152	28.15
BEHE	SN	EPS	0152	34.27
SOP	SN	EPS	0152	40.39
TIH	SN	EPS	0152	46.51
MORH	SN	EPS	0152	58.76
BUD	SN	EPS	0154	06.11

**February 06 2013 Hour: 01:54:14.6 Lat: 10.50°S Lon: 165.58°E M: 6.5 Depth: 9 km**

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

TRPA	SZ	EPKiKP	0213	28.49
LTVH	SZ	EPKiKP	0213	29.94
BUD	SZ	EPKiKP	0213	30.90
SOP	SZ	EPKiKP	0213	32.35
MORH	SZ	EPKiKP	0213	34.03
TIH	SZ	EPKiKP	0213	34.52
PSZ	SZ	EPKiKP	0213	37.17
BEHE	SZ	EPKiKP	0213	39.33
MORH	SZ	EPKiKP	D	0213 41.26
TRPA	SZ	EPP	D	0215 48.21
LTVH	SZ	EPP	C	0215 59.24
TIH	SZ	EPP		0216 02.25
SOP	SZ	EPP		0216 02.25
PSZ	SZ	EPP		0216 04.26
BUD	SZ	EPP		0216 05.26
MORH	SZ	EPP		0216 07.15
BEHE	SZ	EPP		0216 14.05

**February 06 2013 Hour: 02:30:44.3 Lat: 10.80°S Lon: 165.09°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	EPP	0252	32.06
MORH	SZ	EPP	0252	37.37

**February 06 2013 Hour: 19:01:45.7 Lat: 34.24°N Lon: 80.42°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	1910	19.94
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**February 06 2013 Hour: 20:45:44.3 Lat: 11.46°S Lon: 165.00°E M: 4.7 Depth: 14 km**

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

PSZ	SE	EP	2100	10.21
TRPA	SN	EP	2100	12.01
LTVH	SZ	EP	2102	02.08
PSZ	SZ	EP	2102	05.70
TRPA	SZ	EP	2102	05.70
MORH	SZ	EP	2102	12.03

**February 06 2013 Hour: 22:12:17.6 Lat: 1.54°S Lon: 100.28°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	2224	42.14
LTVH	SZ	EP	2224	44.03
PSZ	SZ	EP	2224	51.35
MORH	SZ	EP	2224	52.53

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TIH SZ EP	2224	57.73
BEHE SZ EP	2224	59.15
SOP SZ EP	2225	05.29

**February 07 2013 Hour: 00:30:10.7 Lat: 11.66°S Lon: 164.94°E M: 6.0 Depth: 8 km**

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

TIH SZ EPKiKP	0049	16.30
PSZ SZ EPKiKP	0049	23.83
LTVH SZ EPKiKP	0049	24.51
SOP SZ EPKiKP	0049	24.65
TRPA SZ EPKiKP	0049	28.62
BUD SZ EPKiKP	0049	29.99
BEHE SZ EPKiKP	0049	31.36
MORH SZ EPKiKP	0049	32.04

**February 07 2013 Hour: 07:19:51.4 Lat: 15.80°S Lon: 172.97°W M: 5.1 Depth: 18 km**

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

TRPA SZ EPKiKP C	0739	29.67
PSZ SZ EPKiKP	0739	30.05
BEHE SZ EPKiKP	0739	31.86
MORH SZ EPKiKP	0739	32.59
LTVH SZ EPKiKP C	0739	33.17
SOP SZ EPKiKP	0739	35.80
TIH SZ EPKiKP	0739	36.24

**February 07 2013 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	1115	11.14
BEHE SZ EPn	1115	12.92
MORH SN Sn	1115	23.54
BEHE SN Sn	1115	26.57

**February 07 2013 Hour: 18:59:16.2 Lat: 10.99°S Lon: 165.65°E M: 6.4 Depth: 11 km**

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

TRPA SZ EPKiKP	1918	30.85
PSZ SZ EPKiKP	1918	31.53
LTVH SZ EPKiKP	1918	32.57
BUD SZ EPKiKP	1918	33.60
MORH SZ EPKiKP	1918	34.28
SOP SZ EPKiKP	1918	34.97
TIH SZ EPKiKP	1918	35.32
BEHE SZ EPKiKP	1918	36.69
TRPA SZ EPP	1920	51.47
LTVH SZ EPP	1920	54.66
BUD SZ EPP	1921	02.96
PSZ SZ EPP	1921	03.60
TIH SZ EPP	1921	11.90
SOP SZ EPP	1921	12.54
MORH SZ EPP	1921	16.37
BEHE SZ EPP	1921	18.29
TRPA SN ESS	1938	34.05
LTVH SZ ESS	1938	46.61
PSZ SZ ESS D	1938	55.59

MORH	SZ	ESS	1938	57.39
BUD	SN	ESS	1938	57.39
SOP	SN	ESS	1939	15.34
TIH	SN	ESS	1939	17.14
BEHE	SN	ESS	1939	17.14

**February 07 2013** Hour: 19:48:18.2 Lat: 10.85°S Lon: 165.79°E M: 5.5 Depth: 10 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EPKiKP 2007 35.56  
 MORH SZ EPKiKP 2007 38.69

**February 08 2013** Hour: 11:12:11.5 Lat: 10.84°S Lon: 165.97°E M: 6.3 Depth: 12 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP 1131 36.72  
 SOP SZ EPKiKP 1131 37.42  
 PSZ SZ EPKiKP 1131 39.53  
 MORH SZ EPKiKP 1131 39.53  
 LTVH SZ EPKiKP 1131 39.53  
 BUD SZ EPKiKP 1131 39.53  
 TIH SZ EPKiKP 1131 40.23  
 BEHE SZ EPKiKP 1131 43.05  
 TRPA SZ EPP 1133 52.39  
 LTVH SZ EPP 1133 53.48  
 PSZ SZ EPP 1134 00.57  
 BUD SZ EPP 1134 02.20  
 BEHE SZ EPP 1134 02.20  
 MORH SZ EPP 1134 08.20  
 TIH SZ EPP 1134 08.74  
 SOP SZ EPP 1134 08.74  
 TRPA SZ ESS 1151 23.38  
 LTVH SN ESS 1151 42.68  
 PSZ SE ESS 1151 47.95  
 BUD SN ESS 1151 53.21  
 MORH SN ESS 1152 07.25  
 BEHE SE ESS C 1152 10.76  
 TIH SN ESS 1152 17.78  
 SOP SN ESS 1152 17.78

**February 08 2013** Hour: 15:26:38.4 Lat: 10.93°S Lon: 166.01°E M: 6.4 Depth: 21 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EPKiKP 1545 56.26  
 PSZ SZ EPKiKP 1545 57.42  
 MORH SZ EPKiKP 1545 58.19  
 BUD SZ EPKiKP 1545 59.22  
 TRPA SZ EPKiKP 1545 59.22  
 SOP SZ EPKiKP 1546 00.64  
 TIH SZ EPKiKP 1546 06.17  
 BEHE SZ EPKiKP 1546 08.15  
 TRPA SZ EPP 1548 23.56  
 LTVH SZ EPP 1548 31.29  
 BUD SZ EPP 1548 33.50  
 PSZ SZ EPP 1548 34.05  
 MORH SZ EPP 1548 41.22

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TIH SZ EPP		1548 43.43
SOP SZ EPP		1548 43.98
BEHE SZ EPP		1548 47.67
TRPA SZ ESS	D	1605 55.77
LTVH SN ESS		1606 19.87
BUD XE ESS	C	1606 19.87
PSZ SN ESS		1606 26.90
SOP SZ ESS	D	1606 31.92
TIH SZ ESS		1606 32.93
MORH SN ESS		1606 36.94

**February 09 2013 Hour: 01:13:11.6 Lat: 47.30°N Lon: 19.44°E M: 1.1 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
BUD SZ EPg	0113 18.89	
BUD SZ E	0113 18.89	
BUD SN ESg	0113 23.93	

**February 09 2013 Hour: 04:43:08.0 Lat: 36.88°N Lon: 141.09°E M: 5.0 Depth: 36 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	D 0455 09.31	
PSZ SZ EP	D 0455 17.04	
SOP SZ EP	D 0455 26.43	
MORH SZ EP	0455 26.43	

**February 09 2013 Hour: 12:37:01.0 Lat: 41.42°N Lon: 19.64°E M: 3.4 Depth: 8 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
MORH SZ EPn	C 1238 14.36	
MORH SN Sn	1239 12.06	

**February 09 2013 Hour: 14:16:07.8 Lat: 1.13°N Lon: 77.39°W M: 6.7 Depth: 145 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
SOP SZ EP	D 1428 59.91	
BEHE SZ EP	1429 01.58	
TIH SZ EP	D 1429 04.65	
MORH SZ EP	D 1429 07.25	
PSZ SZ EP	D 1429 10.47	
LTVH SZ EP	D 1429 17.33	
TRPA SZ EP	D 1429 17.87	
BUD SZ EP	1430 04.66	
BEHE SN EPP	1432 46.63	
SOP SE EPP	1432 47.41	
MORH SE EPP	1432 54.41	
BUD SN EPP	1433 02.58	
TRPA SN EPP	1433 14.24	
LTVH SN EPP	1433 17.74	
PSZ SN IS	1439 33.74	
TRPA SN IS	1439 37.90	
SOP SN IS	1439 39.29	
BEHE SN IS	1439 51.78	
TIH SN IS	1439 53.17	
MORH SN IS	1439 58.72	
LTVH SN IS	D 1440 19.55	
BUD SN IS	1440 50.09	

BEHE	SN	ESS	1446	12.14
SOP	SE	ESS	1446	12.14
MORH	SN	ESS	1446	23.25
TIH	SE	ESS	C	1446 23.25
PSZ	SN	ESS	1446	34.35
BUD	SN	ESS	1446	42.68
TRPA	SN	ESS	D	1447 18.78

**February 09 2013 Hour: 17:09:30.0 Lat: 51.56°N Lon: 16.10°E M: 3.7 Depth: 1 km**

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

SOP	SZ	EPn	1710	30.76
PSZ	SZ	EPn	1710	35.90
TRPA	SZ	EPn	1710	49.33
BEHE	SZ	EPn	1710	49.93
MORH	SZ	EPn	1710	52.01
SOP	SN	Sn	1711	18.45
PSZ	SN	Sn	1711	29.95
SOP	SN	ESg	1711	34.76
BEHE	SN	Sn	1711	43.96
PSZ	SN	ESg	1711	54.63
TRPA	SN	Sn	1711	55.47
MORH	SN	Sn	1712	01.32
BEHE	SN	ESg	1712	23.70
TRPA	SN	ESg	1712	26.63

**February 09 2013 Hour: 21:02:22.7 Lat: 10.99°S Lon: 165.74°E M: 6.0 Depth: 18 km**

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

BEHE	SZ	EPKiKP	2121	28.58
LTVH	SZ	EPKiKP	2121	38.29
PSZ	SZ	EPKiKP	2121	38.73
MORH	SZ	EPKiKP	2121	43.14
LTVH	SZ	EPP	2123	56.03
PSZ	SZ	EPP	2124	07.26
BEHE	SZ	EPP	2124	11.76
MORH	SN	EPP	2124	23.00
LTVH	SN	ESS	2141	50.32
PSZ	SE	ESS	2141	54.82
MORH	SN	ESS	2141	57.07
BEHE	SN	ESS	2142	33.03

**February 10 2013 Hour: 09:37:11.8 Lat: 18.61°S Lon: 174.71°W M: 5.3 Depth: 122 km**

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

BUD	SZ	EPKiKP	0956	40.79
TRPA	SZ	EPKiKP	D	0956 41.19
SOP	SZ	EPKiKP	0956	41.67
BEHE	SZ	EPKiKP	0956	42.65
LTVH	SZ	EPKiKP	0956	43.96
PSZ	SZ	EPKiKP	D	0956 44.25
TIH	SZ	EPKiKP	0956	46.34
MORH	SZ	EPKiKP	D	0956 47.55

**February 10 2013 Hour: 18:10:42.0 Lat: 39.74°N Lon: 25.61°E M: 3.8 Depth: 10 km**

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

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MORH SZ EPn 1812 42.62

**February 10 2013 Hour: 18:39:32.1 Lat: 10.94°S Lon: 164.46°E M: 5.5 Depth: 11 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKiKP 1858 49.18

**February 11 2013 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 0608 33.59  
PSZ SN Esg 0608 42.93  
MORH SZ EPn 0608 43.65  
MORH SN Sn 0608 57.93

**February 11 2013 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 0619 25.54  
PSZ SN Sn 0619 35.41

**February 11 2013 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 1302 51.01  
MORH SN Sn 1303 07.64

**February 11 2013 Hour: 19:13:01.6 Lat: 38.47°N Lon: 92.37°E M: 5.3 Depth: 17 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1921 56.31  
LTVH SZ EP C 1922 01.40  
PSZ SZ EP 1922 09.61  
BUD SZ EP 1922 13.90  
MORH SZ EP C 1922 19.26  
SOP SZ EP 1922 25.33  
BEHE SZ EP 1922 28.10

**February 12 2013 Hour: 01:23:55.2 Lat: 18.20°S Lon: 177.96°W M: 5.1 Depth: 518 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IPKiKP D 0142 35.86  
LTVH SZ IPKiKP D 0142 39.05  
PSZ SZ IPKiKP D 0142 39.32  
BUD SZ IPKiKP D 0142 40.99  
SOP SZ IPKiKP D 0142 42.38  
TIH SZ IPKiKP 0142 42.80  
MORH SZ IPKiKP D 0142 43.90

**February 12 2013 Hour: 02:57:51.4 Lat: 41.29°N Lon: 129.00°E M: 5.1 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 0309 13.08  
BUD SZ EP 0309 17.36  
MORH SZ EP 0309 22.58  
SOP SZ EP 0309 24.18

**February 12 2013 Hour: 17:00:16.7 Lat: 38.57°N Lon: 43.21°E M: 4.4 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1704 48.45

**February 12 2013 Hour: 18:12:43.0 Lat: 46.31°N Lon: 12.57°E M: 3.8 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1813 29.95  
 SOP SZ EPn 1813 32.37  
 BEHE SZ IPg 1813 38.83  
 TIH SZ EPn 1813 41.32  
 MORH SZ EPn 1813 46.72  
 PSZ SZ Sn 1814 03.65  
 BEHE SN Sn 1814 05.65  
 SOP SN Sn 1814 08.17  
 BEHE SN ESG 1814 19.80  
 TIH SN Sn 1814 25.42  
 MORH SN Sn 1814 35.90  
 PSZ SN Sn 1815 02.83

**February 13 2013 Hour: 02:21:39.8 Lat: 38.48°N Lon: 141.75°E M: 4.4 Depth: 84 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0233 30.58  
 PSZ SZ EP C 0233 38.14  
 SOP SZ EP C 0233 47.34

**February 13 2013 Hour: 03:57:42.5 Lat: 30.25°N Lon: 131.41°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 0409 49.65  
 LTVH SZ EP 0409 55.15  
 PSZ SZ EP 0409 58.04  
 MORH SZ EP 0410 07.76

**February 13 2013 Hour: 11:00:24.8 Lat: 2.99°S Lon: 101.29°E M: 5.5 Depth: 55 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1112 53.37  
 LTVH SZ EP C 1112 55.96  
 PSZ SZ EP C 1113 01.41  
 MORH SZ EP C 1113 04.35  
 TIH SZ EP 1113 07.59  
 SOP SZ EP 1113 10.95  
 BEHE SZ EP C 1113 11.90

**February 14 2013 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 0821 15.97

**February 14 2013 Hour: 13:13:53.1 Lat: 67.63°N Lon: 142.51°E M: 6.5 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1323 33.01  
 LTVH SZ EP 1323 38.33  
 PSZ SZ EP 1323 38.33  
 SOP SZ EP 1323 46.71  
 TIH SZ EP 1323 48.94  
 MORH SZ EP 1323 51.73  
 BEHE SZ EP C 1323 53.41  
 TRPA SN ES 1331 23.93

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PSZ	SN	ES	1331	36.37
LTVH	SN	ES	1331	41.90
SOP	SN	ES	1331	49.50
TIH	SN	ES	1331	52.96
BEHE	SN	ES	1332	03.33
MORH	SN	ES	1332	03.33
TRPA	SN	ESS	1335	18.32
PSZ	SN	ESS	1335	24.66
TIH	SN	ESS	1335	51.99
MORH	SN	ESS	1335	56.87
BEHE	SN	ESS	1336	02.73
SOP	SN	ESS	1336	11.02

**February 14 2013 Hour: 15:08:34.8 Lat: 67.58°N Lon: 142.54°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	1518	13.97											
PSZ	SZ	EP		1518	21.55											
SOP	SZ	EP		1518	28.74											
MORH	SZ	EP		1518	33.36											

**February 15 2013 Hour: 01:24:49.2 Lat: 49.77°N Lon: 18.54°E M: 2.6 Depth: 4 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPn		0125	27.19											
PSZ	SE	Sn		0125	52.40											

**February 15 2013 Hour: 03:02:23.1 Lat: 19.73°S Lon: 174.46°W M: 5.8 Depth: 74 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EPKPdf	D	0322	02.03											
LTVH	SZ	EPKPdf	D	0322	04.04											
PSZ	SZ	EPKPdf		0322	04.17											
SOP	SZ	EPKPdf	D	0322	06.60											
TIH	SZ	EPKPdf	D	0322	07.75											
BUD	SZ	EPKPdf		0322	07.75											
BEHE	SZ	EPKPdf	D	0322	08.90											
MORH	SZ	EPKPdf		0322	09.03											

**February 15 2013 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		0923	17.48											
MORH	SN	ESg		0923	21.08											

**February 15 2013 Hour: 11:44:04.0 Lat: 41.94°N Lon: 20.30°E M: 3.4 Depth: 3 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn		1145	10.29											
TIH	SZ	EPn		1145	26.13											
PSZ	SZ	EPn		1145	33.33											
MORH	SN	Sn		1146	03.58											
TIH	SN	Sn		1146	25.66											
PSZ	SN	Sn		1146	41.50											

**February 15 2013 Hour: 14:42:55.0 Lat: 40.33°N Lon: 23.93°E M: 4.7 Depth: 9 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EPn		1444	38.44											

TIH SZ EPn	1444	49.47
BEHE SZ EPn	1444	52.74
BUD SZ EPn	1444	52.97
TRPA SZ EPn	1444	54.37
PSZ SZ EPn	1444	54.78
LTVH SZ EPn	1444	59.27
SOP SZ EPn	1444	59.68
MORH SN Sn	1446	00.80
TRPA SN Sn	1446	18.16
PSZ SN Sn	1446	20.57
BUD SN Sn	1446	23.43
BEHE SN Sn	1446	25.85
MORH SN ESg	1446	42.84
SOP SN Sn	1446	49.35
TIH SN ESg	1447	05.56
TRPA SN ESg	1447	05.81
BEHE SN ESg	1447	16.67
SOP SN ESg	1447	44.43

**February 15 2013 Hour: 14:55:29.0 Lat: 40.35°N Lon: 23.94°E M: 3.6 Depth: 8 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1457 12.36  
 MORH SN Sn 1458 32.08

**February 15 2013 Hour: 16:32:56.6 Lat: 67.66°N Lon: 142.11°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 EP 1642 34.81  
 PSZ SZ EP C 1642 41.58  
 MORH SZ EP 1642 56.20

**February 15 2013 Hour: 19:55:32.0 Lat: 17.75°S Lon: 178.89°W M: 5.0 Depth: 562 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP C 2014 07.28  
 LTVH SZ EPKiKP C 2014 09.56  
 PSZ SZ EPKiKP 2014 10.92  
 BUD SZ EPKiKP 2014 12.02  
 MORH SZ EPKiKP 2014 14.29  
 SOP SZ EPKiKP C 2014 14.29  
 TIH SZ EPKiKP C 2014 14.56  
 BEHE SZ EPKiKP C 2014 16.56

**February 16 2013 Hour: 01:09:08.0 Lat: 50.32°N Lon: 18.82°E M: 2.9 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn D 0109 49.83  
 PSZ SZ ESg 0109 55.59  
 PSZ SN Sn 0110 21.55

**February 16 2013 Hour: 01:32:49.6 Lat: 37.35°N Lon: 141.51°E M: 4.7 Depth: 49 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0144 49.10  
 PSZ SZ EP C 0144 56.20  
 MORH SZ EP 0145 05.36  
 SOP SZ EP C 0145 06.06

**February 16 2013 Hour: 02:01:15.3 Lat: 67.64°N Lon: 142.44°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 EP 0210 53.52  
PSZ SZ EP 0211 04.08  
SOP SZ EP 0211 07.13  
MORH SZ EP 0211 12.14

**February 16 2013 Hour: 04:37:36.2 Lat: 5.81°N Lon: 125.74°E M: 5.9 Depth: 105 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0450 43.84  
PSZ SZ EP 0450 52.22  
MORH SZ EP 0450 57.80

**February 16 2013 Hour: 05:16:17.1 Lat: 36.51°S Lon: 177.92°E M: 5.7 Depth: 207 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKPdf 0535 48.02  
PSZ SZ EPKPdf 0535 49.25  
LTVH SZ EPKPdf 0535 49.43  
BUD SZ EPKPdf 0535 50.13  
TIH SZ EPKPdf 0535 50.83  
MORH SZ EPKPdf C 0535 51.36  
SOP SZ EPKPdf 0535 51.88  
BEHE SZ EPKPdf C 0535 52.24  
TRPA SZ EPKPab 0536 24.70  
LTVH SZ EPKPab 0536 30.00  
PSZ SZ EPKPab 0536 32.27  
BUD SZ EPKPab 0536 36.44  
MORH SZ EPKPab 0536 39.10  
TIH SZ EPKPab 0536 40.23  
SOP SZ EPKPab 0536 40.99  
BEHE SZ EPKPab 0536 44.02

**February 16 2013 Hour: 21:16:09.0 Lat: 41.71°N Lon: 13.58°E M: 4.8 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EPn 2117 34.05  
MORH SZ EPn 2117 34.74  
BEHE SZ EPn 2117 35.42  
SOP SZ EPn 2117 39.51  
BUD SZ EPn 2117 52.27  
PSZ SZ EPn 2118 04.75  
LTVH SZ EPn 2118 09.51  
TRPA SZ EPn 2118 17.03  
BEHE SN Sn 2118 27.26  
MORH SN Sn 2118 42.27  
TIH SN Sn 2118 46.04  
SOP SN Sn 2118 47.04  
PSZ SN Sn D 2118 58.64  
BEHE SN ESg 2119 01.23  
BUD SN Sn 2119 09.55  
LTVH SN Sn 2119 22.52  
SOP SN ESg 2119 37.21  
TRPA SN Sn 2119 53.21

BUD SN ESg 2119 58.20

**February 16 2013 Hour: 22:17:32.1 Lat: 43.54°N Lon: 146.6°E M: 5.6 Depth: 7 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2229 17.04  
 LTVH SZ EP C 2229 21.74  
 PSZ SZ EP C 2229 24.03  
 BUD SZ EP C 2229 27.84  
 TIH SZ EP C 2229 31.90  
 SOP SZ EP C 2229 32.80  
 MORH SZ EP C 2229 33.55  
 BEHE SZ EP C 2229 35.84

**February 16 2013 Hour: 22:43:42.3 Lat: 15.66°S Lon: 13.17°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 D 2254 40.87  
 SOP SZ EP 2254 45.29  
 PSZ SZ EP 2254 51.18  
 TRPA SZ EP C 2254 59.81

**February 17 2013 Hour: 01:00:07.0 Lat: 42.46°N Lon: 13.45°E M: 3.8 Depth: 17 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0101 26.63  
 SOP SZ EPn 0101 30.40  
 MORH SZ EPg 0101 47.98  
 MORH SN Sn 0102 29.61  
 SOP SN Sn 0102 33.80

**February 17 2013 Hour: 01:35:07.7 Lat: 36.44°N Lon: 71.66°E M: 4.9 Depth: 96 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP D 0142 27.19  
 MORH SZ EP D 0142 36.13  
 SOP SZ EP D 0142 47.09  
 PSZ SZ EPP 0143 57.20  
 MORH SZ EPP 0144 09.86  
 SOP SZ EPP 0144 20.77

**February 17 2013 Hour: 03:12:56.2 Lat: 37.30°N Lon: 20.74°E M: 4.9 Depth: 4 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0315 03.41  
 BEHE SZ EPn 0315 12.99  
 TIH SZ EPn 0315 16.08  
 LTVH SZ EPn 0315 19.15  
 BUD SZ EPn 0315 21.76  
 PSZ SZ EPn 0315 27.33  
 SOP SZ EPn 0315 30.05  
 TRPA SZ EPn 0315 30.98  
 BUD SN Sn 0317 25.23

**February 17 2013 Hour: 05:42:07.7 Lat: 36.68°N Lon: 21.68°E M: 5.0 Depth: 32 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0544 23.09  
 BUD SZ EPn 0544 30.78

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BEHE SZ EPn	0544 31.96
TIH SZ EPn	0544 38.47
PSZ SZ EPn	0544 43.20
SOP SZ EPn	0544 51.48
MORH SN Sn	0546 05.74
BEHE SN Sn	0546 21.65
TIH SN Sn	0546 29.19
PSZ SN Sn	0546 34.21
BUD SN Sn	0546 38.40
SOP SN Sn	0546 43.42

**February 17 2013 Hour: 12:06:48.0 Lat: 40.74°N Lon: 21.45°E M: 3.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EPn	1208 32.48
PSZ SN Sn	1210 01.14

**February 17 2013 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	1337 43.14
PSZ SN Sn	1338 03.37

**February 17 2013 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	1454 25.15
PSZ SN ESg	1454 30.56

**February 17 2013 Hour: 16:48:49.0 Lat: 40.78°N Lon: 21.36°E M: 4.5 Depth: 3 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TIH SZ EPn	1650 26.13
BUD SZ EPn	1650 29.43
BEHE SZ EPn	1650 29.68
PSZ SZ EPn	1650 36.51
SOP SZ EPn	1650 44.58
TIH SN Sn	1651 46.63
BEHE SN Sn	1651 47.64
BUD SN Sn	1651 50.43
PSZ SN Sn	1652 00.30
SOP SN Sn	1652 10.43

**February 17 2013 Hour: 17:31:50.4 Lat: 20.35°S Lon: 177.99°W M: 4.8 Depth: 536 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EPKiKP	1750 32.91
PSZ SZ EPKiKP	1750 37.35
SOP SZ EPKiKP	1750 41.06

**February 18 2013 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	0328 36.93
PSZ SN ESg	0328 42.76

**February 18 2013 Hour: 03:40:49.0 Lat: 5.54°N Lon: 32.96°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
SOP SZ EP	0350 55.94

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MORH SZ EP	0350	56.86
PSZ SZ EP	0351	06.62
SOP SN ES	0359	06.05
MORH SN ES	0359	13.18
PSZ SN ES	0359	16.74

**February 18 2013 Hour: 12:19:18.0 Lat: 30.77°S Lon: 178.12°W M: 5.8 Depth: 35 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKPpdf 1239 08.47  
 MORH SZ EPKPpdf C 1239 10.99  
 PSZ SZ EPKPpdf 1239 11.38  
 SOP SZ EPKPpdf 1239 13.25

**February 18 2013 Hour: 13:00:33.4 Lat: 40.04°N Lon: 77.70°E M: 4.9 Depth: 35 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1308 18.98  
 MORH SZ EP 1308 27.28

**February 18 2013 Hour: 16:32:47.0 Lat: 30.74°S Lon: 178.15°W M: 5.6 Depth: 50 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPKPpdf C 1652 36.67  
 SOP SZ EPKPpdf 1652 38.85  
 MORH SZ EPKPpdf C 1652 39.15

**February 18 2013 Hour: 17:10:07.0 Lat: 35.59°N Lon: 140.23°E M: 4.6 Depth: 66 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 1721 20.08

**February 19 2013 Hour: 04:55:49.0 Lat: 32.66°N Lon: 48.27°E M: 4.5 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0501 10.88  
 MORH SZ EP 0501 24.51  
 PSZ SZ EP 0501 26.06

**February 19 2013 Hour: 12:27:36.1 Lat: 35.25°N Lon: 140.96°E M: 5.5 Depth: 20 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1239 46.85  
 PSZ SZ EP C 1239 54.24  
 BUD SZ EP C 1239 57.90  
 TIH SZ EP C 1240 01.84  
 MORH SZ EP C 1240 02.84  
 SOP SZ EP C 1240 03.45  
 TRPA SZ EPP 1242 52.50  
 PSZ SZ EPP 1243 00.96  
 MORH SZ EPP 1243 12.45  
 TIH SN EPP 1243 14.26  
 BUD SZ EPP 1243 16.68  
 SOP SZ EPP 1243 17.29  
 TRPA SN ES 1249 56.79  
 PSZ SN ES 1250 09.91  
 SOP SN ES 1250 19.88  
 TIH SN ES 1250 25.13  
 MORH SN ES C 1250 29.33

**February 19 2013** Hour: 19:01:46.0 Lat: 17.59°S Lon: 178.93°W M: 5.0 Depth: 536 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 1920 22.26  
LTVH SZ EPKiKP 1920 23.95  
PSZ SZ EPKiKP 1920 25.49  
SOP SZ EPKiKP D 1920 29.41  
MORH SZ EPKiKP 1920 29.94

**February 19 2013** Hour: 22:29:02.0 Lat: 17.46°S Lon: 173.45°W M: 5.7 Depth: 47 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP C 2248 38.81  
SOP SZ EPKiKP 2248 40.42  
LTVH SZ EPKiKP C 2248 40.78  
TIH SZ EPKiKP C 2248 41.86  
PSZ SZ EPKiKP 2248 41.99  
BUD SZ EPKiKP D 2248 42.39  
MORH SZ EPKiKP 2248 46.34  
BEHE SZ EPKiKP C 2248 47.41

**February 20 2013** Hour: 08:47:12.5 Lat: 50.46°N Lon: 173.57°W M: 5.4 Depth: 25 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 0859 27.18  
MORH SZ EP D 0859 36.08  
PSZ SN ES 0909 39.60  
MORH SN ES 0910 39.48

**February 20 2013** Hour: 09:14:22.0 Lat: 44.62°N Lon: 146.68°E M: 4.6 Depth: 145 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 0925 58.46

**February 20 2013** Hour: 09:56:05.5 Lat: 10.60°N Lon: 41.03°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 1006 23.71  
PSZ SZ EP 1006 32.69

**February 20 2013** Hour: 21:23:08.5 Lat: 18.55°N Lon: 103.71°W M: 5.2 Depth: 18 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP C 2136 32.09  
TIH SZ EP C 2136 37.21  
BUD SZ EP C 2136 39.10  
PSZ SZ EP C 2136 40.13  
MORH SZ EP C 2136 40.37

**February 21 2013** Hour: 05:54:34.0 Lat: 36.71°N Lon: 20.09°E M: 4.5 Depth: 0 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0556 52.82  
PSZ SZ EPn 0557 15.88  
MORH SN Sn 0558 40.72  
PSZ SN Sn 0559 20.68

**February 21 2013** 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 0714 47.94

**February 21 2013** Hour: 17:20:53.0 Lat: 47.82°N Lon: 156.34°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 1732 43.79  
 PSZ SZ EP 1732 49.90  
 SOP SZ EP 1732 51.20

**February 22 2013** Hour: 03:27:13.0 Lat: 50.09°N Lon: 18.41°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 0327 52.30  
 SOP SZ EPn 0327 55.56  
 MORH SZ EPn 0328 13.86  
 PSZ SN Sn 0328 23.82  
 SOP SN Sn 0328 31.65  
 MORH SN Sn 0328 56.97

**February 22 2013** Hour: 12:01:58.2 Lat: 27.93°S Lon: 63.10°W M: 5.8 Depth: 575 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPKiKP D 1219 18.52  
 SOP SZ EPKiKP D 1219 20.93  
 TIH SZ EPKiKP D 1219 25.50  
 BUD SZ EPKiKP D 1219 31.71  
 PSZ SZ EPKiKP D 1219 35.99  
 LTVH SZ EPKiKP D 1219 45.66  
 TRPA SZ EPKiKP D 1219 49.08

**February 22 2013** Hour: 14:26:18.0 Lat: 51.52°N Lon: 16.14°E M: 3.5 Depth: 2 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 1427 18.11  
 PSZ SZ EPn 1427 26.63  
 SOP SZ ESg 1427 32.45  
 TRPA SZ EPn 1427 38.06  
 TRPA SZ ESg 1427 59.68  
 SOP SN Sn 1428 04.87  
 PSZ SN Sn 1428 18.38  
 TRPA SN Sn 1428 37.33

**February 23 2013** 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 1451 11.89  
 MORH SN ESg 1451 13.39

**February 24 2013** Hour: 21:02:31.5 Lat: 41.48°N Lon: 147.30°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 2114 41.78  
 SOP SZ EP 2114 45.30

**February 25 2013** Hour: 00:13:46.1 Lat: 32.38°S Lon: 178.14°W 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 EPKPab 0034 21.07  
 SOP SZ EPKPab 0034 27.97

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**February 25 2013 Hour: 05:11:07.5 Lat: 34.29°N Lon: 85.65°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 D 0519 52.27  
PSZ SZ EP 0520 04.67  
MORH SZ EP 0520 12.87

**February 25 2013 Hour: 07:23:56.0 Lat: 36.84°N Lon: 139.24°E M: 5.9 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0735 57.03  
LTVH SZ EP 0736 01.77  
PSZ SZ EP D 0736 04.47  
BUD SZ EP 0736 08.25  
MORH SZ EP 0736 12.68  
TIH SZ EP 0736 14.00  
SOP SZ EP 0736 14.45  
TRPA SN ES 0745 56.82  
LTVH SN ES 0746 04.16  
PSZ SN ES 0746 09.05  
MORH SN ES 0746 25.82  
SOP SN ES 0746 28.62  
TIH SN ES 0746 28.62

**February 25 2013 Hour: 08:03:12.7 Lat: 37.17°N Lon: 45.18°E M: 4.3 Depth: 4 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0808 03.28  
SOP SZ EP 0808 22.96

**February 25 2013 Hour: 16:00:19.6 Lat: 29.01°N Lon: 131.50°E M: 5.5 Depth: 46 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1612 27.14  
PSZ SZ EP 1612 36.43  
LTVH SZ EP 1612 41.88  
MORH SZ EP C 1612 43.83  
TIH SZ EP 1612 44.14  
SOP SZ EP 1612 45.83  
BEHE SZ EP 1612 48.93  
BUD SZ EP 1612 50.91

**February 25 2013 Hour: 22:19:25.0 Lat: 45.69°N Lon: 10.07°E M: 3.1 Depth: 3 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EPn 2220 48.21  
MORH SZ EPn 2220 52.38  
TIH SN Sn 2221 54.10  
MORH SN Sn 2221 56.68  
MORH SZ EP 2221 57.90

**February 26 2013 Hour: 19:57:56.0 Lat: 21.50°S Lon: 179.39°W M: 5.2 Depth: 625 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP D 2016 34.74  
PSZ SZ EPKiKP 2016 36.06  
BUD SZ EPKiKP 2016 37.23  
LTVH SZ EPKiKP 2016 37.23  
BEHE SZ EPKiKP 2016 38.55

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TIH	SZ	EPKiKP	2016	39.72
MORH	SZ	EPKiKP	2016	39.87
SOP	SZ	EPKiKP	2016	40.16

**February 26 2013 Hour: 21:43:48.5 Lat: 53.08°N Lon: 158.00°E M: 5.6 Depth: 134 km**

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

TRPA	SZ	EP	2154	59.98
PSZ	SZ	EP	2155	05.90
LTVH	SZ	EP	2155	06.57
BUD	SZ	EP	2155	10.85
SOP	SZ	EP	2155	10.96
BEHE	SZ	EP	2155	12.84
TIH	SZ	EP	2155	13.47
MORH	SZ	EP	2155	15.03

**February 27 2013 Hour: 12:30:05.0 Lat: 45.45°N Lon: 24.33°E M: 4.0 Depth: 5 km**

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

TRPA	SZ	EPn	1230	49.69
LTVH	SZ	EPn	1230	50.84
PSZ	SZ	EPn	1231	03.79
BUD	SZ	EPn	1231	08.40
TIH	SZ	EPn	1231	19.92
TRPA	SN	Sn	1231	26.25
LTVH	SN	Sn	1231	26.83
PSZ	SN	Sn	1231	47.55
BUD	SN	Sn	1231	56.48
TIH	SN	Sn	1232	09.14
PSZ	SN	ESg	1232	12.09

**February 28 2013 Hour: 00:06:51.0 Lat: 45.45°N Lon: 24.35°E M: 3.0 Depth: 5 km**

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

TRPA	SZ	EPn	0007	36.77
LTVH	SZ	EPn	0007	38.92
TIH	SZ	EPn	0008	06.45
LTVH	SN	Sn	0008	12.33
TRPA	SN	Sn	0008	12.33
TIH	SN	Sn	0008	53.78

**February 28 2013 Hour: 03:09:44.5 Lat: 17.72°S Lon: 167.34°E M: 6.0 Depth: 18 km**

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

TRPA	SZ	EPKiKP	0329	07.49
PSZ	SZ	EPKiKP	0329	07.98
SOP	SZ	EPKiKP	0329	14.63

**February 28 2013 Hour: 14:05:50.2 Lat: 50.95°N Lon: 157.28°E M: 6.4 Depth: 41 km**

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

TRPA	SZ	EP	C	1417	20.73
PSZ	SZ	EP	C	1417	24.13
LTVH	SZ	EP	C	1417	26.69
BUD	SZ	EP	C	1417	28.39
TIH	SZ	EP		1417	31.79
SOP	SZ	EP	D	1417	35.19
BEHE	SZ	EP		1417	36.89

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TRPA SZ ES	1427 01.09
LTVH SN ES	1427 05.28
PSZ SN ES	1427 14.35
BUD SN ES	1427 17.84
SOP SN ES	1427 25.51
TIH SN ES	1427 26.21
BEHE SN ES	1427 35.98
TRPA SZ ESS	1432 22.78
PSZ SE ESS	1432 24.87
BUD SN ESS	1432 34.64

**February 28 2013 Hour: 18:07:48.3 Lat: 10.89°S Lon: 165.92°E M: 5.4 Depth: 39 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPKiKP 1827 01.27

**March 01 2013 Hour: 03:29:46.7 Lat: 21.76°N Lon: 143.98°E M: 5.3 Depth: 153 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0342 41.90  
PSZ SZ EP C 0342 47.67

**March 01 2013 Hour: 12:53:51.0 Lat: 50.89°N Lon: 157.45°E M: 5.7 Depth: 33 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 1305 23.01  
LTVH SZ EP C 1305 28.73  
PSZ SZ IP C 1305 29.88  
BUD SZ EP 1305 33.05  
AMBH SZ EP C 1305 35.71  
SOP SZ EP C 1305 36.62  
TIH SZ IP C 1305 37.74  
BEHE SZ IP C 1305 42.36  
TRPA SZ ES 1315 02.37  
SOP SZ ES 1315 18.02  
TIH SN ES 1315 24.80  
SOP SE ES 1315 28.16  
BEHE SN ES 1315 39.02

**March 01 2013 Hour: 13:20:49.9 Lat: 50.95°N Lon: 157.41°E M: 6.3 Depth: 29 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 1332 22.35  
LTVH SZ IP C 1332 27.47  
PSZ SZ IP C 1332 27.98  
BUD SZ IP C 1332 32.98  
SOP SZ IP C 1332 35.14  
AMBH SZ IP C 1332 35.73  
TIH SZ IP C 1332 36.68  
BEHE SZ IP C 1332 40.77

**March 01 2013 Hour: 17:13:57.3 Lat: 21.35°S Lon: 178.72°W M: 4.9 Depth: 518 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP D 1732 44.84  
LTVH SZ EPKiKP D 1732 47.61  
PSZ SZ EPKiKP D 1732 48.17  
BUD SZ IPKiKP C 1732 49.80

AMBH SZ EPKiKP D 1732 50.84  
 SOP SZ EPKiKP D 1732 51.51  
 TIH SZ IPKiKP D 1732 51.60  
 BEHE SZ EPKiKP 1732 53.60

**March 01 2013 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 2123 41.64  
 TRPA SZ EPn 2123 47.55  
 LTVH SZ EPn 2123 56.54  
 PSZ SN Sn 2124 01.46  
 SOP SZ EPn 2124 02.71  
 TRPA SN Sn 2124 17.96  
 LTVH SN Sn 2124 24.28  
 SOP SN Sn 2124 34.31

**March 01 2013 Hour: 22:00:52.0 Lat: 41.08°N Lon: 20.16°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 2202 34.96  
 PSZ SN Sn 2203 50.23  
 PSZ SE ESg 2204 36.23

**March 02 2013 Hour: 01:30:38.6 Lat: 24.57°N Lon: 92.22°E M: 5.5 Depth: 39 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0140 32.73  
 LTVH SZ EP 0140 36.03  
 AMBH SZ EP 0140 42.58  
 PSZ SZ EP C 0140 44.87  
 BUD SZ EP C 0140 48.84  
 TIH SZ EP C 0140 54.69  
 SOP SZ EP C 0140 59.76  
 BEHE SZ EP C 0141 00.44

**March 02 2013 Hour: 03:38:20.0 Lat: 45.03°N Lon: 29.30°E M: 5.8 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn 0339 45.61  
 LTVH SZ EPn 0339 57.64  
 PSZ SZ EPn 0340 07.53  
 TRPA SN Sn 0340 47.70  
 LTVH SN Sn 0340 48.67  
 TRPA SN ESg 0341 22.56  
 PSZ SN Sn 0341 29.75  
 PSZ SN Sn 0341 30.14

**March 02 2013 Hour: 07:53:43.8 Lat: 22.06°S Lon: 170.12°E M: 4.8 Depth: 46 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPKiKP 0813 15.71  
 AMBH SZ EPKiKP 0813 17.81  
 BUD SZ EPKiKP 0813 18.00

**March 02 2013 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 1051 04.86

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PSZ SN Sn 1051 23.38

**March 02 2013 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 1713 33.72  
PSZ SN Sn 1713 54.66

**March 03 2013 Hour: 02:48:23.0 Lat: 44.24°N Lon: 11.48°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 0249 29.29  
SOP SZ EPn 0249 37.70  
TIH SZ EPn 0249 41.16  
BEHE SN Sn 0250 21.22  
SOP SN Sn 0250 34.22  
TIH SN Sn 0250 41.67

**March 03 2013 Hour: 03:12:26.0 Lat: 38.61°N Lon: 71.59°E M: 5.1 Depth: 12 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0319 30.21  
PSZ SZ EP 0319 47.93  
SOP SZ EP 0320 04.20

**March 03 2013 Hour: 03:29:45.3 Lat: 67.66°N Lon: 142.24°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 0339 31.32  
SOP SZ EP 0339 38.96

**March 03 2013 Hour: 05:41:16.9 Lat: 25.98°N Lon: 99.81°E M: 5.5 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 0551 40.92  
TRPA SZ EP D 0551 42.30  
AMBH SZ EP D 0551 54.92  
PSZ SZ EP D 0551 55.28  
BUD SZ EP D 0552 00.10  
TIH SZ EP D 0552 04.40  
SOP SZ EP D 0552 09.10  
BEHE SZ EP D 0552 10.76

**March 04 2013 Hour: 20:56:35.3 Lat: 50.81°N Lon: 157.22°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 EP D 2108 06.12  
PSZ SZ EP 2108 11.80  
BUD SZ EP 2108 15.80  
SOP SZ EP 2108 19.53  
BEHE SZ EP 2108 19.93  
TIH SZ EP 2108 21.19

**March 05 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EPn 0002 36.75  
TIH SE Sn 0003 14.49  
TIH SZ EPg 2402 41.11

**March 05 2013 Hour: 08:33:53.1 Lat: 67.64°N Lon: 142.42°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 0843 31.93  
 PSZ SZ EP 0843 39.65  
 BUD SZ EP 0843 43.88  
 BEHE SZ EP 0843 44.15  
 SOP SZ EP C 0843 46.86  
 TIH SZ EP 0843 49.22

**March 05 2013 Hour: 20:32:45.5 Lat: 27.39°N Lon: 128.30°E M: 5.3 Depth: 51 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2044 48.65  
 PSZ SZ EP 2044 57.42  
 MORH SZ EP C 2045 05.41  
 SOP SZ EP 2045 07.65

**March 06 2013 Hour: 01:10:11.0 Lat: 45.48°N Lon: 26.26°E M: 4.2 Depth: 124 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0111 29.22

**March 06 2013 Hour: 09:15:58.7 Lat: 22.39°S Lon: 171.01°E M: 5.2 Depth: 12 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKPdf 0935 33.33  
 LTVH SZ EPKPdf 0935 35.64  
 PSZ SZ EPKPdf 0935 37.92  
 MORH SZ EPKPdf 0935 40.32

**March 06 2013 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 1118 29.43  
 PSZ SN Sn 1118 47.23

**March 07 2013 Hour: 03:21:11.3 Lat: 38.76°N Lon: 43.51°E M: 4.3 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0325 42.94

**March 07 2013 Hour: 03:36:46.0 Lat: 24.31°N Lon: 121.49°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 D 0348 45.94  
 LTVH SZ EP 0348 54.12  
 PSZ SZ EP C 0348 56.52  
 BUD SZ EP C 0349 00.52  
 MORH SZ EP C 0349 03.34  
 TIH SZ EP D 0349 03.80  
 SOP SZ EP D 0349 07.35  
 BEHE SZ EP 0349 09.16

**March 07 2013 Hour: 20:55:52.8 Lat: 18.97°S Lon: 169.38°E M: 5.5 Depth: 237 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EPKiKP 2114 50.31  
 TRPA SZ EPKiKP 2114 52.05  
 PSZ SZ EPKiKP 2114 52.98  
 AMBH SZ EPKiKP C 2114 54.80

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CSKK SZ EPKiKP D 2114 56.12  
MORH SZ EPKiKP C 2114 56.60  
TIH SZ EPKiKP C 2114 57.51  
SOP SZ EPKiKP D 2114 58.88  
BEHE SZ EPKiKP C 2115 00.54

**March 08 2013 Hour: 03:13:05.0 Lat: 44.39°N Lon: 17.57°E M: 2.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EPn D 0313 46.79  
TIH SZ EPg 0313 53.54  
TIH SN Sn 0314 19.33  
TIH SE ESg 0314 28.57

**March 08 2013 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 0733 57.67  
CSKK SN ESg 0733 58.96

**March 08 2013 Hour: 20:43:22.6 Lat: 20.92°S Lon: 173.83°W M: 5.3 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 2103 14.29  
PSZ SZ EPKiKP 2103 16.53  
LTVH SZ EPKiKP 2103 17.00  
TIH SZ EPKiKP 2103 19.61  
MORH SZ EPKiKP 2103 20.62

**March 08 2013 Hour: 21:38:50.0 Lat: 28.40°N Lon: 57.97°E M: 4.5 Depth: 105 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 2145 35.46  
MORH SZ EP 2145 37.81

**March 09 2013 Hour: 06:58:10.0 Lat: 42.85°N Lon: 17.48°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 0659 06.80  
TIH SZ EPn 0659 12.05  
CSKK SZ EPn 0659 19.34  
SOP SZ EPn 0659 22.20  
PSZ SZ EPn 0659 28.50  
PSZ SZ ESg 0659 50.07  
BEHE SN Sn 0659 53.40  
TIH SN EPn 0700 00.74  
CSKK SN Sn 0700 14.60  
TIH SN ESg 0700 20.52  
SOP SN Sn 0700 20.77  
PSZ SN Sn 0700 36.30

**March 09 2013 Hour: 11:26:51.0 Lat: 42.85°N Lon: 17.44°E M: 2.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EPn 1127 53.61  
PSZ SZ EPn 1128 09.32  
PSZ SZ ESg 1128 28.95  
TIH SN ESg 1129 01.55  
PSZ SN Sn 1129 14.71

**March 09 2013 Hour: 12:16:33.5 Lat: 43.17°N Lon: 144.72°E M: 4.9 Depth: 103 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SN EP C 1228 09.35  
 TRPA SZ EP D 1228 10.01  
 PSZ SZ EP D 1228 19.55  
 SOP SZ EP D 1228 26.53

**March 09 2013 Hour: 14:56:29.0 Lat: 50.89°N Lon: 157.22°E M: 5.7 Depth: 39 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1507 59.57  
 LTVH SZ EP C 1508 05.29  
 PSZ SZ EP C 1508 05.84  
 BUD SZ EP C 1508 09.90  
 CSKK SZ EP 1508 11.55  
 SOP SZ EP C 1508 13.18  
 TIH SZ EP C 1508 14.00  
 BEHE SZ EP C 1508 18.63

**March 09 2013 Hour: 20:11:31.8 Lat: 42.63°N Lon: 144.94°E M: 5.0 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2023 16.55  
 PSZ SZ EP 2023 23.70  
 SOP SZ EP C 2023 33.02  
 MORH SZ EP D 2023 33.02

**March 09 2013 Hour: 23:01:55.0 Lat: 51.55°N Lon: 16.13°E M: 3.8 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2302 55.50  
 CSKK SZ EPn 2303 02.48  
 PSZ SZ EPn 2303 02.48  
 TIH SZ EPn 2303 08.64  
 SOP SZ EPg 2303 08.70  
 BEHE SZ EPn 2303 12.95  
 TRPA SZ EPn 2303 15.82  
 PSZ SZ EPg 2303 19.58  
 CSKK SZ EPg 2303 20.26  
 MORH SZ EPn 2303 21.78  
 TRPA SZ EPg 2303 36.62  
 SOP SN Sn 2303 47.86  
 CSKK SN Sn 2303 53.75  
 PSZ SN Sn 2303 55.79  
 MORH SE I D 2303 57.51  
 BEHE SN Sn 2304 07.82  
 PSZ SN Esg 2304 15.78  
 TRPA SN EPn 2304 16.76  
 MORH SN Sn 2304 22.73  
 TRPA SN Sn 2304 36.10  
 BEHE SN Esg 2304 46.12  
 TRPA SN Esg 2304 49.72

**March 10 2013 Hour: 10:18:15.3 Lat: 12.82°N Lon: 90.64°W M: 5.7 Depth: 8 km**

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

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BEHE SZ EP	1031	28.92	
LTVH SZ EP	1031	30.29	
CSKK SZ EP	C	1031	30.56
SOP SZ EP	1031	30.56	
TIH SZ EP	C	1031	31.06
MORH SZ EP	D	1031	33.00
BUD SZ EP	C	1031	33.06
PSZ SZ EP	D	1031	34.12
TRPA SZ EP	C	1031	41.23

**March 10 2013 Hour: 14:02:55.0 Lat: 50.24°N Lon: 19.02°E M: 2.9 Depth: 1 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
PSZ SZ EPn	1403	35.78
PSZ SZ EPg	1403	40.49
PSZ SN Sn	1404	05.16

**March 10 2013 Hour: 16:49:20.0 Lat: 5.30°S Lon: 151.52°E M: 5.5 Depth: 60 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
BUD SZ EPKiKP	1708	06.89
SOP SZ EPKiKP	1708	08.89
TIH SZ EPKiKP	1708	09.30

**March 10 2013 Hour: 22:51:50.8 Lat: 6.59°S Lon: 148.17°E M: 5.7 Depth: 28 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
PSZ SZ EPKPdf	2310	39.31
LTVH SZ EPKPdf	2310	43.48
CSKK SZ EPKPdf	2310	43.74

**March 10 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
SOP SZ EP	2320	58.57
TIH SZ EP	2322	23.62

**March 11 2013 Hour: 03:01:37.4 Lat: 40.12°N Lon: 77.47°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	0309	13.52	
PSZ SZ EP	C	0309	22.27
BUD SZ EP	0309	28.66	
CSKK SZ EP	C	0309	32.74
BEHE SZ EP	0309	40.65	
SOP SZ EP	0309	43.36	

**March 11 2013 Hour: 05:34:57.3 Lat: 31.14°N Lon: 130.35°E M: 4.7 Depth: 163 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7	
TRPA SZ EP	C	0546	38.79
SOP SZ EP	0546	47.15	
PSZ SZ EP	0546	47.42	
CSKK SZ EP	D	0546	53.93
TIH SZ EP	C	0546	56.26

**March 11 2013 Hour: 09:34:52.1 Lat: 31.60°N Lon: 131.53°E M: 5.2 Depth: 37 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7	
PSZ SZ EP	C	0946	58.85

**March 11 2013 Hour: 14:57:07.0 Lat: 36.67°N Lon: 43.44°E M: 4.9 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1501 32.81  
 PSZ SZ EP 1501 48.46  
 BUD SZ EP 1501 56.45  
 CSKK SZ EP 1501 58.37  
 BEHE SZ EP 1502 02.92  
 SOP SZ EP 1502 11.64  
 TRPA SN Sn 1505 15.25  
 PSZ SN Sn 1505 47.89  
 SOP SN Sn 1506 13.39

**March 11 2013 Hour: 19:46:58.5 Lat: 20.15°S Lon: 178.14°W M: 4.6 Depth: 467 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP 2005 51.32  
 LTVH SZ EPKiKP 2005 52.24  
 PSZ SZ EPKiKP 2005 56.33  
 MORH SZ EPKiKP 2005 58.15

**March 11 2013 Hour: 21:27:26.0 Lat: 38.68°N Lon: 21.13°E M: 4.3 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2129 18.43  
 AMBH SZ EPn 2129 23.60  
 BEHE SZ EPn 2129 27.66  
 TIH SZ EPn 2129 29.11  
 PSZ SZ EPn 2129 40.63  
 SOP SZ EPn 2129 44.65  
 BEHE SN Sn 2131 01.05  
 SOP SN Sn 2131 23.80  
 MORH SN ESG 2131 53.33

**March 11 2013 Hour: 23:53:25.1 Lat: 50.23°N Lon: 18.81°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 SZ EPn 2354 06.72  
 PSZ SZ ESG 2354 11.98  
 MORH SZ EPn 2354 29.07  
 PSZ SN Sn 2354 41.40  
 MORH SN Sn 2355 11.92

**March 12 2013 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 1152 12.44  
 MORH SN Sn 1152 28.52

**March 12 2013 Hour: 13:48:13.2 Lat: 16.07°S Lon: 179.97°W 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 EPKPdf 1407 49.22  
 MORH SZ EPKPdf 1407 50.20

**March 12 2013 Hour: 20:39:20.4 Lat: 18.83°S Lon: 177.70°W M: 4.7 Depth: 617 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKPdf 2057 53.65

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LTVH SZ EPKPdf C 2057 56.32  
PSZ SZ EPKPdf C 2057 56.64  
SOP SZ EPKPdf 2057 56.87  
TIH SZ EPKPdf C 2058 00.45

**March 12 2013 Hour: 21:32:28.0 Lat: 39.30°N Lon: 141.84°E M: 5.0 Depth: 73 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2144 17.24  
PSZ SZ EP C 2144 24.84  
SOP SZ EP C 2144 33.96

**March 13 2013 Hour: 03:12:52.1 Lat: 60.23°N Lon: 163.40°E M: 5.7 Depth: 5 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0323 48.54  
PSZ SZ EP C 0323 53.68  
LTVH SZ EP C 0323 54.38  
BUD SZ EP C 0323 57.90  
CSKK SZ EP 0323 59.06  
SOP SZ EP C 0323 59.53  
AMBH SZ EP C 0324 02.36  
TIH SZ EP C 0324 02.45  
MORH SZ EP C 0324 04.76  
BEHE SZ EP C 0324 06.31

**March 13 2013 Hour: 06:23:04.4 Lat: 36.67°N Lon: 43.34°E M: 4.3 Depth: 28 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0627 26.79  
PSZ SZ EP D 0627 41.26  
MORH SZ EP C 0627 41.82  
TRPA SE Sn 0631 08.61  
PSZ SE Sn 0631 36.32  
MORH SE Sn 0631 42.20

**March 13 2013 Hour: 20:02:58.4 Lat: 35.46°N Lon: 140.03°E M: 4.8 Depth: 72 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2014 59.57  
MORH SZ EP 2015 05.96  
PSZ SZ EP C 2015 07.67

**March 16 2013 Hour: 00:34:18.0 Lat: 46.20°N Lon: 27.04°E M: 4.2 Depth: 15 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 0035 15.41  
TRPA SZ EPn 0035 16.19  
TRPA SZ EPg 0035 24.89  
LTVH SZ EPg 0035 28.27  
PSZ SZ EPn 0035 34.13  
TRPA SN Sn 0035 54.48  
LTVH SN Sn 0036 01.44  
TRPA SN ESg 0036 15.99  
LTVH SE ESg 0036 16.13  
PSZ SN Sn 0036 33.15

**March 17 2013 Hour: 03:57:01.0 Lat: 51.50°N Lon: 16.20°E M: 3.5 Depth: 10 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0358 00.94  
 PSZ SZ EPn 0358 07.55  
 SOP SZ EPg 0358 09.90  
 PSZ SZ EPg 0358 24.96  
 SOP SN Sn 0358 49.59  
 PSZ SN Sn 0358 56.08  
 SOP SN ESG 0359 07.76  
 PSZ SE ESG 0359 20.11

**March 18 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn 0450 38.64  
 TIH SN Sn 0451 00.79

**March 19 2013 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 0410 34.27  
 CSKK SN ESG 0410 36.08

**March 19 2013 Hour: 12:44:30.0 Lat: 42.13°N Lon: 29.58°E M: 4.4 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 1246 37.62  
 PSZ SZ EPn 1246 40.13  
 PSZ SZ EP 1246 42.12

**March 19 2013 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 1442 21.87  
 MORH SN ESG 1442 24.72

**March 19 2013 Hour: 18:36:55.0 Lat: 16.85°S Lon: 171.47°W M: 5.4 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPKPdf 1856 36.30  
 TRPA SZ EPKPdf 1856 36.48  
 LTVH SZ EPKPdf C 1856 41.24  
 PSZ SZ EPKPdf C 1856 42.96  
 BEHE SZ EPKPdf 1856 44.04  
 AMBH SZ EPKPdf 1856 48.85

**March 19 2013 Hour: 21:09:51.2 Lat: 51.52°N Lon: 16.02°E M: 4.7 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2110 52.28  
 TENK SZ EPn D 2110 54.61  
 CSKK SZ EPn 2110 58.97  
 PSZ SZ EPn 2110 59.47  
 PSZ SZ EPn 2111 02.19  
 TIH SZ EPn 2111 04.95  
 BEHE SZ EPn C 2111 09.58  
 TRPA SZ EPn 2111 13.05  
 LTVH SZ EPn 2111 16.83  
 AMBH SZ EPn D 2111 22.61  
 PSZ SN Sn 2111 46.62

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SOP SN ESg	2111 57.95
TIH SN Sn	2112 03.72
BEHE SN Sn	2112 13.27
PSZ SN ESg	2112 13.52
TRPA SN Sn	2112 14.78
BEHE SN ESg	2112 43.69
LTVH SN ESg	2112 57.53

**March 20 2013 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	0047 55.27
TIH SZ EPn	0048 04.36
MORH SN Sn	0048 11.13
TIH SN Sn	0048 25.99
PSZ SZ EPn	0048 35.10
PSZ SN Sn	0049 12.51

**March 20 2013 Hour: 19:43:17.0 Lat: 46.16°N Lon: 27.05°E M: 3.6 Depth: 14 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EPn	1944 16.50
LTVH SZ EPn	1944 17.67
LTVH SZ EPg	1944 29.26
TRPA SZ EPg	1944 30.23
PSZ SZ EPn	1944 33.16
TRPA SN Sn	1944 56.41
LTVH SN ESg	1945 17.57
TRPA SN ESg	1945 19.08
PSZ SN Sn	1945 37.21

**March 20 2013 Hour: 22:29:00.1 Lat: 55.50°N Lon: 34.94°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
SOP SZ EP	2235 28.76
BEHE SZ EP	2235 30.88
TENK SZ EP	2235 33.74
CSKK SZ EP	C 2235 39.27
TIH SZ EP	D 2235 40.14
BUD SN ES	2235 43.27
PSZ SZ EP	D 2235 45.02
MORH SZ EP	2235 47.24
LTVH SZ EP	2235 57.15
TRPA SZ EP	2235 57.33
AMBH SZ EP	2235 57.86
SOP SN ES	2240 45.74
TIH SN ES	2241 02.29
MORH SN ES	2241 11.89
PSZ SN ES	2241 13.49
TRPA SN ES	2241 22.56
LTVH SN ES	2241 24.16

**March 21 2013 Hour: 05:34:34.0 Lat: 36.72°N Lon: 140.36°E M: 4.7 Depth: 72 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP	0546 16.16
PSZ SZ EP	0546 19.64

CSKK SZ EP	0546 21.86
SOP SZ EP	0546 22.62

**March 21 2013 Hour: 19:37:04.2 Lat: 36.13°N Lon: 53.72°E M: 4.8 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TENK SZ EP	1942 36.74
TRPA SZ EP	1942 38.58

**March 22 2013 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	0737 31.03
MORH SN ESG	0737 36.97

**March 24 2013 Hour: 04:18:34.0 Lat: 50.73°N Lon: 160.16°E M: 6.1 Depth: 8 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TENK SZ EP	0430 09.89
TRPA SZ EP	D 0430 15.31
LTVH SZ EP	D 0430 21.19
PSZ SZ EP	D 0430 21.64
BUD SZ EP	D 0430 25.99
SOP SZ EP	D 0430 27.07
CSKK SZ EP	0430 27.97
AMBH SZ EP	D 0430 28.72
TIH SZ EP	D 0430 29.33
MORH SZ EP	0430 32.04
BEHE SZ EP	D 0430 34.75
TRPA SZ EPP	0433 07.13
PSZ SZ EPP	0433 14.78
CSKK SZ EPP	0433 22.44
SOP SZ EPP	0433 23.72
TIH SZ EPP	0433 28.83
MORH SZ EPP	0433 30.10
BEHE SZ EPP	0433 32.02
TRPA SN ES	0439 59.85
LTVH SN ES	0440 03.52
PSZ SN ES	0440 05.36
TENK SN ES	0440 06.28
SOP SN ES	0440 14.53
CSKK SN ES	C 0440 14.53
TIH SN ES	0440 17.29
BEHE SN ES	0440 27.38
MORH SN ES	0440 28.29

**March 24 2013 Hour: 08:13:45.1 Lat: 20.76°S Lon: 173.37°E M: 5.8 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TENK SZ EP	0833 10.56
TRPA SZ EP	0833 20.84
LTVH SZ EP	0833 21.29
PSZ SZ EP	0833 22.85
BUD SZ EP	0833 24.90
MORH SZ EP	0833 25.08
AMBH SZ EP	0833 27.01
SOP SZ EP	0833 27.76

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BEHE SZ EP	0833 27.99
TIH SZ EP	0833 30.89

**March 24 2013 Hour: 15:47:22.5 Lat: 37.79°N Lon: 16.47°E M: 4.5 Depth: 31 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn	C 1549 22.60
BEHE SZ EPn	D 1549 25.37
TIH SZ EPn	C 1549 31.76
TENK SZ EPn	1549 33.96
CSKK SZ EPn	1549 38.50
SOP SZ EPn	1549 42.69
PSZ SZ EPn	D 1549 47.87
TRPA SZ EPn	1549 59.22
MORH SN Sn	1550 51.20
BEHE SN Sn	1550 57.96
TIH SN Sn	1551 06.50
CSKK SN Sn	1551 14.56
SOP SN Sn	1551 24.05
PSZ SE Sn	1551 36.86
TRPA SN Sn	1551 58.20

**March 24 2013 Hour: 19:27:32.5 Lat: 21.47°S Lon: 170.08°E M: 5.1 Depth: 99 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPKPdf	C 1946 55.92
AMBH SZ EPKPdf	1946 57.99
BUD SZ EPKPdf	1946 58.38
CSKK SZ EPKPdf	1946 59.33
TENK SZ EPKPdf	1947 00.39
MORH SZ IP	C 1947 00.78
TIH SZ EPKPdf	1947 00.81
LTVH SZ EPKPdf	D 1947 01.14
SOP SZ EPKPdf	C 1947 01.97

**March 25 2013 Hour: 00:02:11.8 Lat: 51.81°N Lon: 168.99°W M: 4.9 Depth: 35 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP	D 0014 17.54
PSZ SZ EP	0014 20.21
SOP SZ EP	0014 23.25
CSKK SZ EP	C 0014 23.96

**March 25 2013 Hour: 03:59:53.4 Lat: 17.70°S Lon: 178.44°W M: 4.8 Depth: 551 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
LTVH SZ EPKiKP	D 0418 32.05
PSZ SZ EPKiKP	D 0418 32.46
MORH SZ EPKiKP	D 0418 33.39
BUD SZ EPKiKP	D 0418 34.62
CSKK SZ EPKiKP	D 0418 35.32
AMBH SZ EPKiKP	D 0418 36.01
BEHE SZ EPKiKP	0418 36.41
TENK SZ EPKiKP	0418 36.41
SOP SZ EPKiKP	D 0418 36.41

**March 25 2013 Hour: 07:20:58.0 Lat: 41.84°N Lon: 20.15°E M: 4.0 Depth: 11 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0722 07.56  
AMBH SZ EPn 0722 09.66  
BEHE SZ EPn 0722 17.79  
TIH SZ EPn 0722 18.93  
CSKK SZ EPn 0722 22.23  
BUD SZ EPn 0722 24.91  
PSZ SZ EPn 0722 28.87  
SOP SZ EPn 0722 33.42  
TRPA SZ EPn 0722 36.54  
MORH SN Sn 0722 59.56  
AMBH SN Sn 0723 00.53  
TIH SN Sn 0723 20.31  
BEHE SN Sn 0723 22.58  
CSKK SN Sn 0723 29.45  
BUD SN Sn 0723 29.71  
PSZ SN Sn 0723 41.05  
TRPA SN Sn 0723 48.78  
SOP SN Sn 0723 52.42

**March 25 2013 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 0954 35.29  
MORH SN Sn 0954 49.12

**March 25 2013 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 0931 23.91  
PSZ SN ESG 0931 45.18

**March 25 2013 Hour: 09:49:07.0 Lat: 27.84°N Lon: 18.25°W M: 2.6 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0956 06.65

**March 25 2013 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 1500 16.64  
MORH SN Sn 1500 33.52

**March 25 2013 Hour: 20:55:19.7 Lat: 35.65°N Lon: 24.71°E M: 4.6 Depth: 59 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2057 56.52  
MORH SN Sn 2059 56.42

**March 25 2013 Hour: 23:02:12.7 Lat: 14.49°N Lon: 90.46°W M: 6.2 Depth: 189 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 2314 57.00  
MORH SZ EP C 2315 00.45  
PSZ SZ EP C 2315 02.12  
CSKK SZ EPP 2318 39.90  
MORH SZ EPP 2318 45.72  
PSZ SZ EPP 2318 46.55  
CSKK SN ES 2325 40.23

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PSZ SN ES	2325 44.59
MORH SN ES	2325 46.77
PSZ SN ESS	2327 12.15
MORH SN ESS	2327 13.02
CSKK SN ESS	2327 15.64

**March 25 2013 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 2318 42.78
PSZ SZ EP C 2318 45.17

**March 26 2013 Hour: 06:16:46.8 Lat: 17.78°S Lon: 178.81°W M: 4.5 Depth: 559 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
LTVH SZ EPKiKP 0635 25.15
PSZ SZ EPKiKP C 0635 25.31
TENK SZ EPKiKP 0635 27.26
BUD SZ EPKiKP C 0635 27.33
CSKK SZ EPKiKP 0635 28.02
AMBH SZ EPKiKP D 0635 29.10
SOP SZ EPKiKP C 0635 29.19
MORH SZ EPKiKP D 0635 30.12

**March 26 2013 Hour: 13:12:18.0 Lat: 16.23°N Lon: 98.18°W M: 5.0 Depth: 13 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
SOP SZ EP C 1318 06.08
MORH SZ EP C 1318 14.68
PSZ SZ EP C 1318 15.49

**March 26 2013 Hour: 23:35:25.0 Lat: 43.19°N Lon: 41.67°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 EPn 2339 08.11
MORH SZ EPn 2339 20.90

**March 27 2013 Hour: 01:25:46.1 Lat: 45.43°N Lon: 142.61°E M: 4.9 Depth: 285 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP C 0136 45.32
PSZ SZ EP C 0136 52.98
BUD SZ EP D 0136 57.65
CSKK SZ EP D 0136 59.74
SOP SZ EP 0137 02.16
MORH SZ EP 0137 02.43
TENK SZ EP 0137 02.43

**March 27 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
BUD SZ ESg D 0136 14.35

**March 27 2013 Hour: 02:03:19.8 Lat: 23.83°N Lon: 121.21°E M: 5.8 Depth: 19 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TENK SZ EP 0215 13.59
TRPA SZ EP 0215 17.84
LTVH SZ EP 0215 20.00
PSZ SZ EP 0215 24.43

AMBH SZ EP	0215 28.24
BUD SZ EP	0215 31.12
CSKK SZ EP	C 0215 32.30
MORH SZ EP	0215 33.29
TIH SZ EP	C 0215 35.82
SOP SZ EP	C 0215 38.21
TRPA SZ EPP	0218 17.84
LTVH SZ EPP	0218 26.94
PSZ SZ EPP	0218 34.17
MORH SZ EPP	0218 45.55
TRPA SN ES	0225 12.12
LTVH SN ES	0225 37.26
PSZ SN ES	0225 38.45
CSKK SN ES	0225 43.84
TENK SN ES	0225 45.93
MORH SN ES	0225 50.12
TIH SZ ES	0225 53.41
SOP SN ES	0225 56.41

**March 27 2013 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 1105 16.46
TIH SZ EPg 1105 19.43
MORH SN ESG 1105 30.74
TIH SN ESG 1105 31.09

**March 28 2013 Hour: 04:25:39.6 Lat: 28.07°S Lon: 176.67°W M: 5.3 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPKPdf C 0445 33.98
PSZ SZ EPKPdf 0445 35.19

**March 28 2013 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 D 1224 32.20
PSZ SN ESG 1224 36.62

**March 28 2013 Hour: 16:13:40.8 Lat: 42.34°N Lon: 18.94°E M: 4.3 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn 1614 40.45
AMBH SZ EPn 1614 47.36
BEHE SZ EPn 1614 49.48
TIH SZ EPn 1614 52.55
CSKK SZ EPn 1614 58.51
SOP SZ EPn 1615 03.51
PSZ SZ EPn 1615 06.25
MORH SN Sn 1615 28.41
AMBH SN ESn 1615 38.22
BEHE SN Sn 1615 41.94
TIH SN Sn 1615 48.87
CSKK SN Sn 1615 55.80
PSZ SN Sn 1616 10.64
SOP SN Sn 1616 11.63

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**March 29 2013 Hour: 06:01:06.0 Lat: 4.79°S Lon: 151.63°W M: 5.1 Depth: 143 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKiKP D 0619 42.58

**March 29 2013 Hour: 07:29:41.0 Lat: 42.37°N Lon: 18.74°E M: 3.3 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0730 41.44  
TIH SZ EPn 0730 52.87  
MORH SZ ESg 0730 54.01  
PSZ SZ EPn 0731 01.97  
PSZ SZ ESg 0731 26.37  
MORH SN Sn 0731 28.22  
TIH SN Sn 0731 41.25  
PSZ SN Sn 0732 09.82

**March 29 2013 Hour: 16:34:21.3 Lat: 50.16°N Lon: 18.12°E M: 2.6 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1635 02.55  
PSZ SN Sn 1635 33.39

**March 29 2013 Hour: 17:21:40.0 Lat: 51.50°N Lon: 16.18°E M: 3.6 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 1722 40.36  
CSKK SZ EPn 1722 47.84  
PSZ SZ EPn 1722 47.84  
MORH SZ EPn 1723 03.59  
SOP SN Sn 1723 26.04  
PSZ SN Sn 1723 38.05  
CSKK SN Sn 1723 40.56  
SOP SN ESg 1723 41.92  
PSZ SN ESg 1724 01.08  
MORH SN Sn 1724 10.06

**March 30 2013 Hour: 01:50:40.0 Lat: 10.03°N Lon: 126.25°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 0203 54.71

**March 30 2013 Hour: 11:38:04.0 Lat: 42.36°N Lon: 18.92°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 1139 05.85  
BEHE SZ EPn 1139 14.16  
TIH SZ EPn 1139 16.89  
CSKK SZ EPn 1139 22.33  
BEHE SZ ESg 1139 27.65  
MORH SN Sn 1139 49.91  
BEHE SN Sn 1140 03.87  
MORH SN ESg 1140 09.04  
TIH SN Sn 1140 09.48  
CSKK SN Sn 1140 19.35  
BEHE SN ESg 1140 31.03

**March 30 2013 Hour: 21:48:03.0 Lat: 20.95°S Lon: 176.51°E M: 5.1 Depth: 45 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ	SZ	EPKPdf	2206	22.72
MORH	SZ	EPKPdf	2206	29.37
SOP	SZ	EPKPdf	2206	36.41

**March 31 2013 Hour: 07:46:17.6 Lat: 38.87°N Lon: 141.94°E M: 5.3 Depth: 35 km**

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

TRPA	SZ	EP	C	0758	13.35
PSZ	SZ	EP	C	0758	20.87
BUD	SZ	EP	C	0758	24.59
AMBH	SZ	EP	D	0758	25.35
CSKK	SZ	EP		0758	26.96
MORH	SZ	EP	C	0758	29.47
SOP	SZ	EP	C	0758	29.59
LTVH	SZ	EP		0758	32.45

**April 01 2013 Hour: 13:33:38.0 Lat: 5.88°N Lon: 126.01°E M: 4.5 Depth: 113 km**

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

BEHE SZ EPKIKP C 1342 07.98

**April 01 2013 Hour: 18:53:17.4 Lat: 39.53°N Lon: 143.16°E M: 5.6 Depth: 14 km**

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

TRPA	SZ	EP		1905	17.64
PSZ	SZ	EP		1905	18.72
LTVH	SZ	EP		1905	22.90
BUD	SZ	EP		1905	27.72
SOP	SZ	EP		1905	27.88
CSKK	SZ	EP		1905	29.28
TIH	SZ	EP		1905	30.94
BEHE	SZ	EP		1905	35.40
TRPA	SZ	EPP		1908	11.40
PSZ	SZ	EPP		1908	22.94
LTVH	SZ	EPP		1908	23.61
CSKK	SZ	EPP		1908	30.40
TIH	SZ	EPP		1908	33.12
SOP	SZ	EPP		1908	38.55
TRPA	SZ	ES		1915	10.47
LTVH	SZ	ES		1915	21.68
PSZ	SZ	ES		1915	24.48
SOP	SZ	ES		1915	28.69
CSKK	SZ	ES		1915	34.85
TIH	SZ	ES		1915	36.25
BEHE	SZ	ES		1915	49.71

**April 01 2013 Hour: 20:04:32.3 Lat: 39.54°N Lon: 143.10°E M: 5.1 Depth: 16 km**

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

TRPA	SZ	EP		2016	30.64
PSZ	SZ	EP		2016	37.57
LTVH	SZ	EP		2016	41.14
SOP	SZ	EP		2016	47.89

**April 01 2013 Hour: 22:02:04.0 Lat: 20.85°S Lon: 178.43°W M: 4.8 Depth: 569 km**

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

TRPA SZ EPKIKP D 2220 46.06

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LTVH SZ EPKiKP 2220 48.82  
PSZ SZ EPKiKP D 2220 48.91  
BUD SZ EPKiKP D 2220 50.51  
CSKK SZ EPKiKP D 2220 51.45  
AMBH SZ EPKiKP D 2220 51.91  
SOP SZ EPKiKP D 2220 52.46  
TIH SZ EPKiKP D 2220 52.65

**April 02 2013 Hour: 00:59:16.5 Lat: 66.43°N Lon: 17.60°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 0104 49.51  
CSKK SZ EP 0104 56.65  
PSZ SZ EP 0104 57.82  
BUD SZ EP 0104 57.93  
BEHE SZ EP 0104 58.72  
TRPA SZ EP 0105 04.04  
TIH SZ EP 0105 05.73  
LTVH SZ EP 0105 11.28

**April 02 2013 Hour: 02:08:47.7 Lat: 39.50°N Lon: 143.12°E M: 5.2 Depth: 17 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0220 45.96  
PSZ SZ EP C 0220 52.90  
BUD SZ EP C 0220 57.58  
AMBH SZ EP C 0220 57.86  
MORH SZ EP 0221 02.00  
SOP SZ EP C 0221 02.08  
TRPA SN ES 0230 57.93  
PSZ SN ES 0231 01.29  
SOP SE ES 0231 13.60  
MORH SN ES D 0231 13.88

**April 02 2013 Hour: 08:55:55.4 Lat: 66.52°N Lon: 17.49°W 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 0901 38.16

**April 02 2013 Hour: 11:03:59.5 Lat: 24.86°S Lon: 70.73°W M: 4.3 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 1114 17.36  
TRPA SZ EP D 1114 21.84  
PSZ SZ EP D 1114 23.00

**April 02 2013 Hour: 14:34:55.0 Lat: 40.44°S Lon: 45.38°E M: 5.9 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP D 1447 53.87  
MORH SZ E 1447 55.43  
LTVH SZ EP D 1447 55.83  
TIH SZ EP D 1447 57.48  
TRPA SZ EP D 1447 57.84  
BEHE SZ EP 1447 57.84  
CSKK SZ EP 1447 58.03  
PSZ SZ EP 1447 59.32  
BUD SZ EP 1447 59.84

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SOP SZ EP	1448 03.02
AMBH SZ EP	1448 06.84
MORH SZ EPP	1451 27.64
LTVH SZ EPP	1451 28.22
CSKK SZ EPP	1451 33.94
TIH SZ EPP	1451 34.51
SOP SZ EPP	1451 34.51
PSZ SZ EPP	1451 34.51
BEHE SZ EPP	1451 35.08
TRPA SZ EPP	1451 35.65

**April 02 2013 Hour: 22:06:35.0 Lat: 42.32°N Lon: 18.59°E M: 2.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn 2207 36.05
MORH SE Sn 2208 23.06

**April 03 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ IPg 0059 23.11
MORH SN ESg 0059 23.40

**April 03 2013 Hour: 16:35:45.1 Lat: 19.22°N Lon: 95.65°E M: 5.8 Depth: 6 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP 1646 24.92
LTVH SZ EP C 1646 28.37
AMBH SZ EP C 1646 34.37
PSZ SZ EP C 1646 36.33
BUD SZ EP C 1646 39.33
MORH SZ EP C 1646 42.29
TIH SZ EP C 1646 45.27
SOP SZ EP C 1646 50.56
TRPA SZ ES 1654 30.72
PSZ SE ES 1655 03.02
SOP SE ES 1655 56.22

**April 03 2013 Hour: 18:41:26.5 Lat: 36.70°N Lon: 144.07°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 D 1853 41.30
PSZ SZ EP D 1853 48.03
MORH SZ EP 1853 56.71

**April 04 2013 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 0028 26.24
CSKK SN ESg 0028 27.93

**April 04 2013 Hour: 02:27:07.0 Lat: 15.85°N Lon: 121.70°E M: 5.1 Depth: 47 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP C 0239 33.99
PSZ SZ EP C 0239 43.17
MORH SZ EP 0239 49.06

**April 04 2013 Hour: 04:42:37.8 Lat: 35.70°N Lon: 140.79°E M: 5.0 Depth: 10 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0454 50.29  
PSZ SZ EP 0454 50.80

**April 04 2013 Hour: 06:31:32.0 Lat: 36.40°N Lon: 71.10°E M: 5.4 Depth: 240 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0638 21.27  
LTVH SZ EP C 0638 25.74  
AMBH SZ EP 0638 33.02  
PSZ SZ EP C 0638 35.91  
BUD SZ EP C 0638 41.04  
MORH SZ EP C 0638 43.44  
CSKK SZ EP 0638 44.38  
TIH SZ EP C 0638 47.34  
SOP SZ EP C 0638 53.79  
TRPA SZ EPP 0639 37.36  
PSZ SZ EPP 0639 50.28  
MORH SZ EPP 0639 54.80  
LTVH SZ EPP 0640 00.40  
TIH SZ EPP 0640 03.64  
SOP SZ EPP 0640 10.10

**April 04 2013 Hour: 15:16:26.5 Lat: 19.25°N Lon: 95.75°E M: 5.6 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1527 05.38  
LTVH SZ EP 1527 08.76  
AMBH SZ EP 1527 14.76  
PSZ SZ EP C 1527 16.41  
BUD SZ EP 1527 21.15  
MORH SZ EP C 1527 22.97  
CSKK SZ EP C 1527 24.79  
TIH SZ EP 1527 25.95  
SOP SZ EP C 1527 30.98

**April 05 2013 Hour: 04:14:21.0 Lat: 51.27°N Lon: 15.90°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 0415 41.38  
MORH SN Sn 0416 42.37

**April 05 2013 Hour: 13:00:02.1 Lat: 42.74°N Lon: 131.00°E M: 6.2 Depth: 563 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1310 16.30  
LTVH SZ EP D 1310 21.53  
PSZ SZ EP D 1310 25.19  
AMBH SZ EP 1310 28.78  
BUD SZ EP D 1310 29.37  
CSKK SZ EP 1310 31.64  
TIH SZ EP D 1310 34.20  
MORH SZ EP D 1310 34.78  
SOP SZ EP 1310 35.77  
TRPA SZ EPP D 1312 10.97  
LTVH SZ EPP 1312 16.66  
PSZ SZ EPP 1312 19.50

CSKK SZ EPP	1312	29.45
TIH SZ EPP	1312	30.16
SOP SZ EPP	1312	30.52
MORH SZ EPP	1312	30.52
TRPA SN ES	1318	39.19
LTVH SN ES	1318	49.30
PSZ SN ES	1318	56.72
CSKK SN ES	1319	10.88
TIH SN ES	1319	13.58
MORH SN ES	1319	13.58
SOP SN ES	1319	15.60

**April 05 2013 Hour: 17:35:28.2 Lat: 0.22°N Lon: 98.65°E M: 5.5 Depth: 32 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
SOP SZ EP	C 1747	36.24
TRPA SZ EP	C 1747	38.66
AMBH SZ EP	C 1747	44.07
PSZ SZ EP	C 1747	47.39
MORH SZ EP	C 1747	50.07
LTVH SZ EP		1747 51.33
CSKK SZ EP	C 1747	53.31

**April 05 2013 Hour: 19:24:57.3 Lat: 43.44°N Lon: 145.90°E M: 5.1 Depth: 99 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EP	C 1936	34.86
PSZ SZ EP	C 1936	42.00
CSKK SZ EP		1936 48.07
TIH SZ EP		1936 50.13
SOP SZ EP	C 1936	50.36
LTVH SZ EP		1936 51.01
MORH SZ EP		1936 51.90

**April 05 2013 Hour: 20:00:52.7 Lat: 36.76°N Lon: 141.34°E M: 5.4 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EP	D 2012	54.26
PSZ SZ EP		2013 01.73
BUD SZ EP	D 2013	05.18
AMBH SZ EP	D 2013	05.68
TIH SZ EP		2013 10.18
MORH SZ EP	D 2013	10.52
SOP SZ EP	D 2013	11.09
CSKK SZ EP		2013 11.39

**April 05 2013 Hour: 21:52:57.2 Lat: 37.38°N Lon: 144.54°E M: 5.0 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
PSZ SZ EP		2205 16.83
MORH SZ EP		2205 17.81
LTVH SZ EP		2205 22.01

**April 05 2013 Hour: 22:10:45.5 Lat: 22.27°S Lon: 170.82°E M: 4.9 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
LTVH SZ EPKPdf C	2230	17.51
PSZ SZ EPKPdf		2230 20.37

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MORH SZ EPKPdf 2230 24.72

**April 05 2013 Hour: 22:55:01.6 Lat: 36.45°N Lon: 71.46°E M: 5.4 Depth: 104 km**

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

TRPA SZ EP	C	2302	05.71
LTVH SZ EP	C	2302	10.41
PSZ SZ EP	C	2302	20.60
BUD SZ EP		2302	26.90
MORH SZ EP	C	2302	28.39
CSKK SZ EP	D	2302	30.24
TIH SZ EP	C	2302	32.43
SOP SZ EP	C	2302	38.90
TRPA SZ EPP		2303	34.83
PSZ SZ EPP		2303	55.80
LTVH SZ EPP		2304	03.21
MORH SZ EPP		2304	05.00
CSKK SZ EPP		2304	06.54
TIH SZ EPP		2304	11.14
SOP SZ EPP		2304	17.54
TRPA SN ES		2308	01.76
TIH SN ES		2308	40.15
SOP SN ES		2308	44.95
PSZ SN ES		2308	45.64

**April 06 2013 Hour: 00:29:55.0 Lat: 42.73°N Lon: 130.98°E M: 5.5 Depth: 563 km**

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

TRPA SZ EP		0040	08.62
LTVH SZ EP		0040	15.12
PSZ SZ EP		0040	17.72
CSKK SZ EP		0040	24.65
MORH SZ EP		0040	26.17
TIH SZ EP	D	0040	26.60
SOP SZ EP	D	0040	28.12
BUD SZ EP		0042	19.72
PSZ SN IS		0048	49.84
TRPA SZ ES		0048	49.84
SOP SN ES		0049	08.82
MORH SN ES		0049	38.52

**April 06 2013 Hour: 04:42:35.8 Lat: 3.52°S Lon: 138.48°E M: 6.6 Depth: 66 km**

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

TRPA SZ EPP		0500	28.04
MORH SZ EPP		0500	34.27
LTVH SZ EPP		0500	36.86
SOP SZ EPP		0500	38.94
CSKK SZ EPP		0500	38.94
TIH SZ EPP		0500	39.98
PSZ SZ EPP		0500	43.61
BUD SZ EPP		0501	05.78
TRPA SZ ESP		0510	48.60
LTVH SZ ESP		0510	56.89
PSZ SZ ESP		0511	09.91
MORH SZ ESP		0511	18.20

TIH	SN	ESP	0511	18.20
CSKK	SZ	ESP	0511	24.12
SOP	SN	ESP	0511	31.23
TRPA	SN	ESS	0516	52.78
PSZ	SE	ESS	0517	08.70
LTVH	SE	ESS	0517	19.32
MORH	SE	ESS	0517	28.17
TIH	SN	ESS	0517	44.09
SOP	SN	ESS	0517	49.40

**April 06 2013 Hour: 11:26:07.0 Lat: 34.80°N Lon: 24.08°E M: 5.3 Depth: 34 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
MORH	SZ	EPn		1128	55.46
PSZ	SZ	EPn		1129	15.88
SOP	SZ	EPn		1129	21.55
MORH	SN	Sn		1131	17.03
PSZ	SN	Sn		1131	37.80
SOP	SN	Sn		1132	15.18

**April 06 2013 Hour: 12:27:05.7 Lat: 19.49°S Lon: 175.11°W M: 5.0 Depth: 125 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA	SZ	EP	D	1246	37.42
PSZ	SZ	EP	D	1246	39.77
LTVH	SZ	EP	D	1246	39.99
CSKK	SZ	EP		1246	42.12
SOP	SZ	EP	D	1246	42.76
MORH	SZ	EP	D	1246	44.04

**April 06 2013 Hour: 19:16:06.0 Lat: 43.16°N Lon: 18.77°E M: 3.2 Depth: 5 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
MORH	SZ	EPn		1916	54.02
BEHE	SN	EPn		1917	03.68
MORH	SZ	EPg		1917	05.00
PSZ	SZ	EPn		1917	19.81
MORH	SN	Sn		1917	29.48
MORH	SE	ESg		1917	44.06
BEHE	SN	Sn		1917	45.48
PSZ	SN	Sn		1918	11.45

**April 07 2013 Hour: 11:20:55.2 Lat: 46.06°N Lon: 14.77°E M: 2.8 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
SOP	SZ	EPn		1121	30.77
SOP	SZ	EPg		1121	34.29
MORH	SZ	EPn		1121	37.21
MORH	SZ	EPg		1121	46.94
SOP	SN	Sn		1121	56.89
SOP	SE	ESg		1122	01.70
MORH	SN	Sn		1122	07.44

**April 07 2013 Hour: 11:23:27.7 Lat: 46.18°N Lon: 14.78°E M: 3.4 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
BEHE	SN	EPn		1123	51.80
SOP	SZ	EPn		1124	00.75

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MORH SZ EPn	1124 07.29
MORH SZ EPg	1124 16.78
PSZ SZ EPn	1124 26.45
SOP SN Sn	1124 27.21
SOP SE ESg	1124 32.47
MORH SN Sn	1124 38.31
PSZ SN Sn	1125 12.83

**April 08 2013 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	0825 00.62
MORH SZ EPg	0825 01.42
MORH SN Sn	0825 15.34

**April 08 2013 Hour: 18:53:44.3 Lat: 7.09°S Lon: 106.07°E M: 5.6 Depth: 56 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	C 1906 42.47
AMBH SZ IP	C 1906 48.39
PSZ SZ IP	C 1906 50.44
MORH SZ IP	C 1906 53.39
TIH SZ IP	C 1906 56.40

**April 08 2013 Hour: 18:51:34.6 Lat: 28.99°S Lon: 69.86°W M: 4.5 Depth: 106 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPKiKP	1909 59.01
TIH SZ EPKiKP	1910 00.20
PSZ SZ EPKiKP	1910 00.33
CSKK SZ EPKiKP	1910 02.71
LTVH SZ EPKiKP	1910 05.22
SOP SZ EPKiKP	1910 07.71
TRPA SZ EPKiKP	1910 15.52

**April 09 2013 Hour: 01:27:09.7 Lat: 43.21°N Lon: 18.87°E M: 2.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPn	0127 59.09
MORH SN Sn	0128 35.50
MORH SN ESg	0128 48.51

**April 09 2013 Hour: 03:36:27.5 Lat: 36.49°N Lon: 23.03°E M: 5.0 Depth: 19 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPn	0338 53.04
PSZ SZ EPn	0339 15.58
MORH SN Sn	0340 47.78
PSZ SN Sn	0341 22.61

**April 09 2013 Hour: 07:03:42.0 Lat: 42.18°N Lon: 26.26°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	0705 22.44
MORH SN Sn	0706 37.99

**April 09 2013 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	0908 55.30

PSZ SN ESG 0909 01.30

**April 09 2013 Hour: 11:52:50.0 Lat: 28.43°N Lon: 51.59°E M: 5.9 Depth: 12 km**

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

TRPA SZ EP	1158	57.67
LTVH SZ EP	1158	58.35
AMBH SZ EP	1158	59.97
MORH SZ EP	1159	10.58
PSZ SZ EP	1159	11.07
BUD SZ EP	1159	12.97
CSKK SZ EP	1159	16.64
TIH SZ EP	1159	17.91
SOP SZ EP	1159	26.81
TRPA SN ES	1203	53.95
MORH SE ES	1204	18.00
PSZ SN ES	1204	18.00
LTVH SN ES	1204	26.96
CSKK SN ES	1204	27.43
TIH SN ES	1204	29.79
SOP SN ES	D	1204 50.06

**April 09 2013 Hour: 23:49:33.9 Lat: 21.99°S Lon: 170.12°E M: 4.9 Depth: 21 km**

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

LTVH SZ EP	D	0009 06.93
PSZ SZ EP	C	0009 08.48
CSKK SZ EP		0009 10.02
MORH SZ EP		0009 13.80
TIH SZ EP		0009 15.18
SOP SZ EP		0009 19.30
TRPA SZ EP		0009 27.55

**April 10 2013 Hour: 01:00:20.0 Lat: 28.27°N Lon: 51.58°E M: 4.9 Depth: 18 km**

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

TRPA SZ EP	0106	30.42
LTVH SZ EP	0106	30.58
AMBH SZ EP	0106	33.44
PSZ SZ EP	0106	43.24
MORH SZ EP	C	0106 43.55
BUD SZ EP	0106	46.40
CSKK SZ EP	0106	49.88
TIH SZ EP	0106	50.50
SOP SZ EP	C	0107 00.07

**April 10 2013 Hour: 01:58:27.2 Lat: 28.36°N Lon: 51.63°E M: 5.6 Depth: 15 km**

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

TRPA SZ EP	D	0204 35.59
LTVH SZ EP	0204	37.12
AMBH SZ EP	0204	39.26
PSZ SZ EP	0204	48.01
MORH SZ EP	0204	49.26
BUD SZ EP	0204	52.43
CSKK SZ EP	0204	54.43
TIH SZ EP	D	0204 57.36

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SOP SZ EP	D 0205 06.29
TRPA SZ EPP	0205 23.29
LTVH SN EPP	0205 57.87
MORH SE EPP	0206 04.36
TIH SZ EPP	0206 18.19
TRPA SN ES	0209 33.31
PSZ SN ES	0209 57.08
MORH SE ES	0209 58.93
TIH SN ES	0210 08.62
SOP SN ES	0210 28.00

**April 10 2013 Hour: 07:10:40.5 Lat: 28.27°N Lon: 51.75°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 EP 0717 02.66

**April 10 2013 Hour: 07:59:59.0 Lat: 28.39°N Lon: 51.73°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 0806 20.41  
MORH SZ EP C 0806 20.66

**April 10 2013 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 1106 37.79  
PSZ SN ESG 1106 42.84

**April 10 2013 Hour: 17:15:18.2 Lat: 2.85°S Lon: 139.25°E M: 4.5 Depth: 38 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1725 33.11  
PSZ SZ EP 1725 33.81  
TIH SZ EP 1725 33.81  
SOP SZ EP 1725 34.50  
MORH SZ EP 1725 38.67  
LTVH SZ EP 1725 39.36  
CSKK SZ EP 1725 40.90

**April 10 2013 Hour: 20:20:26.8 Lat: 20.72°N Lon: 122.06°E M: 6.0 Depth: 12 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2032 41.72  
LTVH SZ EP 2032 45.54  
PSZ SZ EP C 2032 50.94  
AMBH SZ EP D 2032 52.26  
BUD SZ EP D 2032 55.22  
CSKK SZ EP 2032 56.51  
MORH SZ EP C 2032 58.26  
TIH SZ EP C 2032 59.21  
SOP SZ EP C 2033 01.76  
BEHE SN EP 2033 05.22  
TRPA SN EPP 2035 45.82  
PSZ SN EPP 2035 58.81  
LTVH SN EPP 2036 03.42  
CSKK SN EPP 2036 09.71  
MORH SN EPP 2036 10.97  
TIH SN EPP 2036 14.74

SOP	SN	EPP	2036	15.16
BEHE	SN	EPP	2036	32.34
TRPA	SN	ES	2042	53.81
PSZ	SN	ES	2043	08.39
MORH	SN	ES	2043	21.85
CSKK	SN	ES	2043	21.85
TIH	SN	ES	2043	24.09
SOP	SN	ES	2043	31.10
LTVH	SN	ES	2043	52.13

**April 11 2013 Hour: 01:48:54.6 Lat: 18.09°S Lon: 178.38°W M: 4.3 Depth: 570 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EPKPpdf	C	0207	28.56											
PSZ	SZ	EPKPpdf	C	0207	32.08											
SOP	SZ	EPKPpdf		0207	35.62											
TIH	SZ	EPKPpdf	C	0207	35.73											
MORH	SZ	EPKPpdf	D	0207	36.73											

**April 11 2013 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		0321	48.66											
PSZ	SZ	EPg		0321	53.90											
PSZ	SN	Sn		0322	18.02											
PSZ	SE	ESg		0322	23.34											

**April 11 2013 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EPn		0322	02.15											
TRPA	SZ	EPg		0322	06.71											
TRPA	SN	Sn		0322	35.20											
TRPA	SN	EPg		0322	43.22											

**April 11 2013 Hour: 03:47:03.0 Lat: 19.25°N Lon: 95.62°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	C	0357	41.13											
LTVH	SZ	EP		0357	45.20											
AMBH	SZ	EP	D	0357	50.58											
PSZ	SZ	EP	C	0357	52.62											
BUD	SZ	EP		0357	57.08											
MORH	SZ	EP	C	0357	58.70											
CSKK	SZ	EP		0357	59.37											
TIH	SZ	EP	D	0358	02.28											
SOP	SZ	EP		0358	06.76											
BEHE	SN	EP		0358	09.77											

**April 11 2013 Hour: 06:06:22.0 Lat: 43.94°N Lon: 16.87°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		0607	31.45											
PSZ	SN	Sn		0608	27.01											

**April 11 2013 Hour: 22:31:33.0 Lat: 43.48°N Lon: 40.94°E M: 4.6 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
PSZ	SZ	EPn		2235	09.23											

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MORH SZ EPn        2235 18.10

**April 11 2013** Hour: 23:02:53.7 Lat: 60.70°N Lon: 43.96°W M: 4.8 Depth: 11 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP        2310 13.89

**April 12 2013** Hour: 01:26:56.0 Lat: 40.16°N Lon: 20.68°E M: 3.5 Depth: 1 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn        C 0128 28.07  
MORH SN Sn        0129 38.24

**April 12 2013** Hour: 03:45:09.7 Lat: 17.77°N Lon: 101.59°W M: 5.2 Depth: 37 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP        D 0358 35.11  
MORH SZ EP        D 0358 44.03  
PSZ SZ EP        D 0358 44.03

**April 12 2013** Hour: 05:24:53.0 Lat: 47.37°N Lon: 151.32°E M: 4.7 Depth: 159 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP        0536 16.23  
MORH SZ EP        0536 29.85

**April 12 2013** Hour: 07:11:10.0 Lat: 43.17°N Lon: 18.70°E M: 2.7 Depth: 2 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn        0711 59.18  
MORH SN Sn        0712 35.28

**April 12 2013** Hour: 06:57:29.1 Lat: 21.80°S Lon: 176.42°W M: 5.2 Depth: 63 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP        0717 11.45  
TRPA SZ EP        D 0717 12.51  
PSZ SZ EP        0717 14.63

**April 12 2013** Hour: 09:58:45.0 Lat: 44.11°N Lon: 18.07°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        D 0959 20.38  
MORH SN Sn        0959 49.45  
MORH SE Sn        0959 53.14

**April 12 2013** 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 1337 06.52  
PSZ SN Sn        1337 31.72

**April 12 2013** Hour: 16:22:25.4 Lat: 17.73°S Lon: 178.93°W M: 5.0 Depth: 522 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKPpdf C 1641 03.49  
LTVH SZ EPKPpdf C 1641 06.62  
PSZ SZ EPKPpdf C 1641 07.26  
BUD SZ EPKPpdf C 1641 08.72  
CSKK SZ EPKPpdf C 1641 08.83  
AMBH SZ EPKPpdf C 1641 10.62  
SOP SZ EPKPpdf C 1641 11.12

MORH SZ EPKPdf C 1641 11.38  
 BEHE SZ EPKPdf 1641 12.71

**April 12 2013 Hour: 20:33:17.5 Lat: 34.37°N Lon: 134.83°E M: 5.7 Depth: 14 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2045 16.14  
 LTVH SZ EP C 2045 19.35  
 PSZ SZ EP C 2045 24.39  
 AMBH SZ EP 2045 27.98  
 BUD SZ EP 2045 28.18  
 CSKK SZ EP 2045 28.95  
 MORH SZ EP 2045 31.98  
 TIH SZ EP C 2045 31.98  
 SOP SZ EP 2045 34.67  
 BEHE SZ EP C 2045 36.27  
 TRPA SZ ES 2055 12.14  
 PSZ SZ ES 2055 28.21  
 LTVH SZ ES 2055 36.94  
 MORH SZ ES 2055 43.09  
 TIH SZ ES 2055 47.25  
 SOP SZ ES 2055 47.25  
 BEHE SZ ES 2055 53.80

**April 13 2013 Hour: 22:49:50.5 Lat: 19.14°S Lon: 169.54°E M: 5.9 Depth: 280 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EPKPdf 2308 45.18  
 PSZ SZ EPKPdf 2308 46.43  
 TRPA SZ EPKPdf 2308 46.84  
 AMBH SZ EPKPdf C 2308 47.98  
 BUD SZ EPKPdf 2308 48.83  
 CSKK SZ EPKPdf D 2308 49.29  
 MORH SZ EPKPdf C 2308 50.81  
 TIH SZ EPKPdf C 2308 50.92  
 SOP SZ EPKPdf C 2308 51.88  
 BEHE SZ EPKPdf C 2308 53.66

**April 14 2013 Hour: 01:22:05.5 Lat: 35.95°N Lon: 139.33°E M: 4.7 Depth: 109 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0134 17.05

**April 14 2013 Hour: 01:32:22.6 Lat: 6.48°S Lon: 154.61°E M: 6.0 Depth: 31 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP 0151 12.91  
 PSZ SZ EP 0151 15.87  
 MORH SZ EP 0151 18.00  
 AMBH SZ EP 0151 18.26  
 LTVH SZ EPP 0152 47.92  
 PSZ SZ EPP 0152 59.38  
 MORH SZ EPP 0152 59.80  
 PSZ SE ES 0202 48.06  
 LTVH SE ES 0203 00.33  
 MORH SE ES 0203 08.82  
 LTVH SN ESS 0209 41.26

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PSZ SZ ESS 0209 50.83  
MORH SN ESS 0210 06.97

**April 14 2013** Hour: 09:51:08.1 Lat: 15.44°N Lon: 46.64°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 1001 28.67  
PSZ SZ EP 1001 36.02

**April 14 2013** Hour: 13:25:02.2 Lat: 37.57°N Lon: 141.31°E M: 5.2 Depth: 57 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ IP 1337 07.31  
SOP SZ EP D 1337 17.86

**April 15 2013** Hour: 22:57:06.0 Lat: 15.96°S Lon: 177.51°W M: 5.0 Depth: 446 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKPdf C 2315 48.23  
TIH SZ EPKPdf 2315 49.03  
LTVH SZ EPKPdf C 2315 51.40  
PSZ SZ EPKPdf 2315 52.32  
BUD SZ EPKPdf 2315 54.03  
CSKK SZ EPKPdf C 2315 54.73  
SOP SZ EPKPdf 2315 56.17  
MORH SZ EPKPdf C 2315 57.21  
BEHE SZ EPKPdf 2315 58.42

**April 16 2013** Hour: 03:30:06.0 Lat: 40.83°N Lon: 21.45°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 EPn 0331 31.68  
PSZ SZ EPn 0331 53.32  
MORH SN Sn 0332 36.07  
PSZ SN Sn 0333 15.13

**April 16 2013** Hour: 03:48:46.0 Lat: 0.99°N Lon: 125.04°E M: 5.0 Depth: 100 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 0402 16.53

**April 16 2013** Hour: 08:34:14.0 Lat: 28.89°N Lon: 95.15°E M: 5.2 Depth: 44 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0844 01.39  
PSZ SZ EP 0844 13.74  
MORH SZ EP C 0844 21.42

**April 16 2013** Hour: 10:44:20.1 Lat: 28.03°N Lon: 61.99°E M: 7.0 Depth: 80 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1051 20.54  
LTVH SZ EP 1051 21.80  
PSZ SZ EP 1051 33.16  
BUD SZ EP 1051 35.11  
MORH SZ EP 1051 38.21  
CSKK SZ EP 1051 38.21  
TIH SZ EP 1051 40.11  
BEHE SZ EP 1051 45.16  
SOP SZ EP 1051 50.21

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TRPA SZ EPP	1052	48.19
LTVH SZ EPP	1052	57.76
PSZ SZ EPP	1053	10.92
CSKK SZ EPP	1053	10.92
MORH SZ EPP	1053	12.91
TIH SZ EPP	1053	22.08
BEHE SZ EPP	1053	30.85
SOP SZ EPP	1053	31.25
TRPA SN ES	1057	05.63
LTVH SN ES	1057	05.63
PSZ SN ES	1057	25.61
MORH SN ES	1057	30.77
TIH SN ES	1057	37.86
SOP SN ES	1057	40.43
BEHE SN ES	1057	44.95
TRPA SN ESS	1100	11.90
LTVH SN ESS	1100	28.66
CSKK SN ESS	1100	41.55
BEHE SN ESS	1100	54.44
MORH SN ESS	1100	58.95
PSZ SN ESS	1101	00.89
TIH SN ESS	1101	13.13
SOP SN ESS	1101	18.93

**April 16 2013 Hour: 12:27:00.0 Lat: 42.42°N Lon: 47.73°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 1231 35.91  
 CSKK SZ EP 1231 47.34  
 MORH SZ EP 1231 48.20

**April 16 2013 Hour: 22:55:26.6 Lat: 3.21°S Lon: 142.54°E M: 6.1 Depth: 13 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPKPdf 2314 07.98  
 PSZ SZ EPKPdf 2314 10.16

**April 17 2013 Hour: 01:46:00.0 Lat: 25.95°N Lon: 99.78°E M: 5.1 Depth: 38 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0156 22.12  
 LTVH SZ EP 0156 25.40  
 PSZ SZ EP D 0156 34.02  
 BUD SZ EP D 0156 38.30  
 CSKK SZ EP 0156 41.15  
 MORH SZ EP D 0156 41.58  
 SOP SZ EP 0156 48.42  
 BEHE SZ EP D 0156 48.94  
 TIH SZ EP D 0157 04.16

**April 17 2013 Hour: 03:15:52.5 Lat: 28.11°N Lon: 62.35°E M: 5.7 Depth: 56 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0322 53.50  
 LTVH SZ EP 0322 55.05  
 PSZ SZ EP C 0323 07.34  
 MORH SZ EP 0323 10.55

BUD SZ EP	C 0323 10.70
TIH SZ EP	0323 13.03
CSKK SZ EP	0323 14.99
BEHE SZ EP	C 0323 21.39
SOP SZ EP	C 0323 24.70
TRPA SZ EPP	0324 22.62
LTVH SZ EPP	0324 28.62
PSZ SZ EPP	0324 41.21
CSKK SZ EPP	0324 44.07
MORH SZ EPP	0324 49.22
BEHE SZ EPP	0324 52.65
SOP SZ EPP	0325 21.82
TRPA SN ES	0328 29.37
LTVH SN ES	0328 39.98
PSZ SE ES	0328 59.58
MORH SE ES	0329 00.40
SOP SN ES	0329 30.61
MORH SN ESS	0332 05.76
PSZ SN ESS	0332 07.40
SOP SN ESS	0332 42.51

**April 17 2013 Hour: 04:12:11.0 Lat: 43.22°N Lon: 18.63°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	0413 01.14
BEHE SZ EPn	0413 05.61
BEHE SZ EPg	0413 17.92
PSZ SZ EPn	0413 22.56
MORH SN Sn	0413 34.34
PSZ SZ EPg	0413 36.03
BEHE SN Sn	0413 47.29
MORH SE ESG	0413 47.70
PSZ SN Sn	0414 14.83
PSZ SN ESG	0414 45.69

**April 17 2013 Hour: 04:53:24.5 Lat: 28.08°N Lon: 62.59°E M: 4.8 Depth: 80 km**

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

PSZ SZ EP	C 0500 40.97
MORH SZ EP	C 0500 44.09
CSKK SZ EP	D 0500 48.81
SOP SZ EP	D 0500 58.70

**April 17 2013 Hour: 06:50:18.0 Lat: 24.87°N Lon: 123.23°E M: 4.9 Depth: 9 km**

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

MORH SZ EP 0702 38.42

**April 17 2013 Hour: 08:57:34.0 Lat: 34.00°N Lon: 139.35°E M: 5.6 Depth: 9 km**

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

TRPA SZ EP	0909 45.34
PSZ SZ EP	0909 55.61
BUD SZ EP	0909 59.61
MORH SZ EP	0910 04.22
BEHE SZ EP	0910 04.22

**April 17 2013 Hour: 12:03:31.7 Lat: 38.47°N Lon: 141.63°E M: 5.7 Depth: 51 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1215 25.46  
 PSZ SZ EP 1215 33.63  
 BUD SZ EP 1215 37.63  
 CSKK SZ EP 1215 39.11  
 TIH SZ EP C 1215 42.26  
 MORH SZ EP 1215 42.84  
 SOP SZ EP 1215 42.97  
 BEHE SZ EP 1215 45.11  
 LTVH SZ EP 1215 52.05  
 AMBH SZ EP 1215 59.84  
 MORH SZ EPP 1218 51.82  
 SOP SN EPP 1218 54.98  
 LTVH SN EPP 1219 01.76  
 BEHE SZ EPP 1219 02.21  
 TIH SZ EPP D 1219 04.47  
 PSZ SZ ES 1225 24.98  
 TRPA SN ES 1225 26.53  
 MORH SZ ES 1225 36.12  
 SOP SN ES 1225 54.36

**April 17 2013 Hour: 16:59:52.0 Lat: 51.56°N Lon: 16.19°E M: 3.5 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn 1701 05.82  
 TIH SN Sn 1702 03.71  
 TIH SN ESG 1702 27.47

**April 17 2013 Hour: 20:52:30.4 Lat: 29.68°N Lon: 63.38°E M: 4.5 Depth: 36 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 2059 51.78

**April 18 2013 Hour: 10:39:39.2 Lat: 38.40°N Lon: 45.43°E 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 EP 1044 04.37  
 MORH SZ EP 1044 23.88  
 PSZ SZ EP 1044 24.65  
 SOP SZ EP 1044 45.43

**April 18 2013 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 1424 29.27  
 MORH SE Sn 1424 59.62

**April 18 2013 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 2205 39.71  
 MORH SN ESG 2205 54.26

**April 19 2013 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 0157 52.56  
 MORH SN ESG 0158 06.42

**April 19 2013 Hour: 03:05:52.6 Lat: 46.22°N Lon: 150.78°E M: 7.1 Depth: 110 km**

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

TRPA SZ EP 0317 27.30

PSZ SZ EP 0317 35.24

LTVH SZ EP 0317 35.24

BUD SZ EP 0317 37.24

BUD SZ EP 0317 38.30

SOP SZ EP 0317 38.91

MORH SZ EP 0317 41.36

TIH SZ EP 0317 41.36

AMBH SZ EP 0317 43.36

BEHE SZ EP 0317 44.41

TRPA SZ EPP 0320 27.51

PSZ SZ EPP 0320 37.38

LTVH SZ EPP 0320 39.36

SOP SZ EPP 0320 47.91

TIH SZ EPP 0320 49.56

MORH SZ EPP 0320 51.86

BEHE SZ EPP 0320 52.85

TRPA SN ES 0327 05.16

PSZ SN ES 0327 20.98

LTVH SN ES 0327 22.11

MORH SE ES 0327 41.31

SOP SN ES 0327 42.44

TIH SN ES 0327 44.70

BEHE SN ES 0327 46.96

TRPA SN ESS 0332 31.61

PSZ SN ESS 0332 35.00

LTVH SN ESS 0332 40.65

SOP SZ ESS 0332 48.55

MORH SN ESS 0332 54.20

TIH SZ ESS 0332 57.59

LTVH SN ESSg 0347 01.40

**April 19 2013 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 0742 32.13

MORH SN ESSg 0742 38.16

**April 19 2013 Hour: 08:57:01.6 Lat: 20.95°S Lon: 178.78°W M: 4.9 Depth: 566 km**

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

TRPA SZ EPKPdf D 0915 43.34

PSZ SZ EPKPdf 0915 46.35

LTVH SZ EPKPdf 0915 46.91

TIH SZ EPKPdf 0915 47.46

SOP SZ EPKPdf D 0915 49.94

MORH SZ EPKPdf D 0915 50.40

BEHE SZ EPKPdf 0915 51.55

**April 19 2013 Hour: 17:25:17.2 Lat: 14.97°S Lon: 166.86°E M: 5.2 Depth: 49 km**

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

MORH SZ EP 1744 37.83

**April 19 2013 Hour: 19:58:40.2 Lat: 49.96°N Lon: 157.65°E M: 5.9 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2010 21.21  
 LTVH SZ EP C 2010 26.15  
 PSZ SZ EP C 2010 26.93  
 BUD SZ EP C 2010 30.71  
 SOP SZ EP C 2010 34.01  
 TIH SZ EP C 2010 35.46  
 MORH SZ EP C 2010 36.70  
 BEHE SZ EP C 2010 39.62  
 TRPA SN ES 2019 50.65  
 PSZ SN ES 2020 07.77  
 LTVH SN ES 2020 16.33  
 SOP SN ES 2020 19.99  
 TIH SZ ES 2020 21.22  
 MORH SN ES 2020 24.88  
 BEHE SN ES 2020 30.39

**April 19 2013 Hour: 21:41:07.7 Lat: 27.01°N Lon: 53.84°E M: 4.9 Depth: 26 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2147 32.30  
 PSZ SZ EP 2147 45.06  
 MORH SZ EP C 2147 46.87

**April 20 2013 Hour: 00:02:47.5 Lat: 30.31°N Lon: 102.88°E M: 6.5 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0013 07.32  
 LTVH SZ EP C 0013 10.13  
 PSZ SZ EP C 0013 19.06  
 MORH SZ EP C 0013 27.83  
 TIH SZ EP C 0013 28.49  
 SOP SZ EP C 0013 33.21  
 BEHE SZ EP C 0013 34.28  
 BUD SZ EP C 0013 34.98  
 TRPA SZ EPP 0015 27.32  
 LTVH SZ EPP 0015 33.30  
 PSZ SZ EPP 0015 35.96  
 MORH SZ EPP 0015 49.26  
 TIH SZ EPP 0015 55.91  
 SOP SZ EPP 0015 59.24  
 BEHE SZ EPP 0016 03.89  
 TRPA SN ES 0021 39.59  
 LTVH SN ES 0021 44.08  
 PSZ SN ES 0022 02.93  
 MORH SN ES 0022 11.01  
 TIH SN ES 0022 19.99  
 SOP SN ES 0022 23.81  
 BEHE SN ES 0022 28.07  
 TRPA SE ESS 0025 44.94  
 PSZ SN ESS 0026 02.53  
 MORH SE ESS 0026 18.59  
 TIH SN ESS 0026 30.82

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SOP SZ ESS        0026 43.06

**April 20 2013 Hour: 00:28:50.5 Lat: 50.12°N Lon: 157.52°E M: 4.6 Depth: 55 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP        0040 25.61  
PSZ SZ EP        0040 29.88  
MORH SZ EP        0040 42.22

**April 20 2013 Hour: 01:11:50.7 Lat: 30.21°N Lon: 102.86°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        0122 31.37  
MORH SN ES        0130 51.06

**April 20 2013 Hour: 01:37:28.0 Lat: 30.23°N Lon: 102.99°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 EP        0148 09.54  
SOP SZ EP        0148 21.30

**April 20 2013 Hour: 03:34:15.5 Lat: 30.19°N Lon: 102.95°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 EP        D 0344 56.19

**April 20 2013 Hour: 04:51:12.0 Lat: 6.29°S Lon: 130.22°E M: 6.0 Depth: 108 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPP        0509 51.96  
TIH SZ EPP        0509 57.80  
BUD SZ EPP        0510 02.80  
MORH SZ EPP        0510 03.03  
SOP SZ EPP        0510 03.43  
BEHE SZ EPP        0510 04.89

**April 20 2013 Hour: 12:21:32.0 Lat: 47.23°N Lon: 10.11°E M: 3.5 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn        1222 41.45  
SOP SZ EPg        1222 50.60  
SOP SE Sn        1223 29.35  
SOP SN ESg        1223 54.06  
SOP SE ESg        1223 54.79

**April 20 2013 Hour: 13:12:50.5 Lat: 50.10°N Lon: 157.15°E M: 5.8 Depth: 18 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP        C 1324 32.72  
PSZ SZ EP        C 1324 35.08  
SOP SZ EP        C 1324 41.67  
TIH SZ EP        1324 43.07  
MORH SZ EP        C 1324 44.47  
BEHE SZ IP        C 1324 47.37  
BEHE SZ EPP        1328 07.77  
PSZ SE ES        1334 22.80  
BEHE SN ES        1334 28.42  
SOP SE ES        1334 33.77  
TIH SN ES        1334 34.65  
LTVH SN ES        1334 34.65

MORH SN ES 1334 37.28

**April 20 2013 Hour: 13:18:09.2 Lat: 50.06°N Lon: 157.27°E M: 5.3 Depth: 13 km**

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

TRPA SZ EP C 1329 48.65

LTVH SZ EP 1329 52.91

PSZ SZ EP C 1329 54.57

BUD SZ EP 1329 58.30

BUD SZ EP 1329 59.77

SOP SZ EP C 1330 01.43

TIH SZ EP 1330 03.30

MORH SZ EP C 1330 04.22

TRPA SN ES 1339 25.03

MORH SN ES 1339 53.20

SOP SE ES 1339 54.61

**April 20 2013 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 1338 59.63

MORH SN Sn 1339 20.65

**April 20 2013 Hour: 20:53:43.1 Lat: 30.34°N Lon: 103.06°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 EP C 2104 23.80

SOP SZ EP C 2104 29.81

**April 20 2013 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 2326 33.64

PSZ SN Sn 2326 53.48

**April 21 2013 Hour: 01:45:37.0 Lat: 35.89°N Lon: 28.23°E M: 4.4 Depth: 80 km**

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

MORH SZ EPn 0148 33.77

MORH SN Sn 0150 55.57

**April 21 2013 Hour: 03:22:16.2 Lat: 29.93°N Lon: 138.88°E M: 5.7 Depth: 422 km**

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

TRPA SZ IP D 0333 59.50

LTVH SZ IP D 0334 03.65

PSZ SZ IP D 0334 06.50

BUD SZ IP D 0334 09.36

MORH SZ IP D 0334 14.28

TIH SZ IP D 0334 14.36

SOP SZ IP D 0334 15.27

BEHE SZ IP D 0334 18.78

TRPA SN IS 0343 40.03

LTVH SE IS 0343 54.79

MORH SE IS 0343 56.02

TIH SN IS 0343 58.47

PSZ SN IS 0343 58.47

SOP SN IS 0344 02.16

BEHE SN IS 0344 03.58

**April 21 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ IPn 0658 21.18  
PSZ SN Sn 0658 42.22

**April 21 2013 Hour: 09:05:23.5 Lat: 30.32°N Lon: 102.99°E M: 5.2 Depth: 16 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0915 43.16  
PSZ SZ EP 0915 55.89  
MORH SZ EP C 0916 03.11

**April 21 2013 Hour: 13:48:29.4 Lat: 51.66°N Lon: 178.24°W M: 5.9 Depth: 44 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1400 29.39  
PSZ SZ EP C 1400 32.63  
LTVH SZ EP 1400 33.99  
SOP SZ EP C 1400 35.74  
BUD SZ EP 1400 36.53  
TIH SZ EP 1400 39.53  
MORH SZ EP C 1400 41.02  
BEHE SZ EP 1400 42.23

**April 21 2013 Hour: 23:02:58.0 Lat: 43.17°N Lon: 18.67°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 SZ EPn 2303 47.19  
MORH SN Sn 2304 25.13  
MORH SE ESG 2304 36.17

**April 22 2013 Hour: 01:16:32.8 Lat: 18.08°N Lon: 102.28°W M: 5.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 0129 54.42  
BEHE SZ EP 0129 58.12  
PSZ SZ EP 0130 00.33  
MORH SZ EP 0130 01.36  
TRPA SZ EP 0130 05.63  
BUD SZ EP 0130 06.92  
PSZ SN ES 0140 09.56  
MORH SN ES 0140 18.42  
SOP SN ES 0140 18.92  
BEHE SN ES 0140 38.61

**April 22 2013 Hour: 04:36:36.5 Lat: 51.10°N Lon: 179.39°E M: 5.2 Depth: 18 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0448 39.78  
PSZ SZ EP 0448 39.89  
TRPA SN ES 0458 30.99

**April 22 2013 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 0723 51.16  
CSKK SN ESG 0723 51.84

**April 22 2013 Hour: 10:22:44.5 Lat: 50.07°N Lon: 157.49°E M: 5.1 Depth: 52 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1034 19.14  
 PSZ SZ EP 1034 24.83  
 CSKK SZ EP 1034 31.22  
 SOP SZ EP 1034 32.92

**April 22 2013 Hour: 13:16:17.4 Lat: 50.00°N Lon: 157.41°E M: 5.1 Depth: 42 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1327 54.01  
 PSZ SZ EP 1328 00.50  
 CSKK SZ EP 1328 05.51  
 SOP SZ EP 1328 06.72

**April 22 2013 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 2145 48.45  
 PSZ SN ESg 2145 52.93

**April 22 2013 Hour: 22:00:38.0 Lat: 43.17°N Lon: 18.75°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 2201 35.58  
 TIH SZ EPn 2201 37.73  
 BEHE SZ EPg 2201 45.13  
 TIH SZ EPg 2201 48.39  
 SOP SZ EPn 2201 51.37  
 BEHE SN Sn 2202 17.76  
 TIH SN Sn 2202 21.31  
 SOP SN Sn 2202 48.48

**April 22 2013 Hour: 23:40:47.4 Lat: 29.79°S Lon: 176.23°W M: 5.5 Depth: 13 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0001 11.39  
 PSZ SZ EP C 0001 17.70  
 SOP SZ EP 0001 24.27

**April 23 2013 Hour: 00:47:28.5 Lat: 38.32°N Lon: 20.38°E M: 4.6 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn 0049 36.11  
 PSZ SZ EPn 0049 47.81  
 TIH SN Sn 0051 10.85  
 PSZ SN Sn 0051 27.81

**April 23 2013 Hour: 03:30:41.2 Lat: 47.67°N Lon: 20.31°E M: 1-5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 0330 48.62  
 PSZ SN ESg 0330 54.33

**April 23 2013 Hour: 04:23:49.1 Lat: 47.67°N Lon: 20.19°E M: 1.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 0423 55.67  
 PSZ SN ISg 0424 01.68

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**April 23 2013 Hour: 13:31:03.7 Lat: 47.67°N Lon: 20.30°E M: 1.8 Depth: 14 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1331 11.26  
PSZ SN ESg 1331 16.99

**April 24 2013 Hour: 01:09:25.1 Lat: 47.67°N Lon: 20.33°E M: 1.4 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0109 33.39  
PSZ SN ESg 0109 38.87

**April 24 2013 Hour: 01:40:07.3 Lat: 47.67°N Lon: 20.14°E M: 1.1 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0140 13.33  
PSZ SN ESg 0140 18.40

**April 24 2013 Hour: 03:39:36.7 Lat: 46.61°N Lon: 20.32°E M: 2.5 Depth: 1 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

**April 24 2013 Hour: 09:25:30.0 Lat: 34.53°N Lon: 70.22°E M: 5.6 Depth: 64 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0932 40.43  
PSZ SZ EP C 0932 55.57  
BUD SZ EP C 0932 59.57  
BEHE SZ EP C 0933 12.74

**April 24 2013 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 1433 38.88  
MORH SN ESg 1433 46.55

**April 24 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 1857 58.35  
TENK SN ISg 1858 00.52

**April 24 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 1904 33.78  
TENK SN ISg 1904 35.97

**April 24 2013 Hour: 20:12:36.0 Lat: 36.75°N Lon: 22.94°E M: 4.4 Depth: 11 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2014 58.77  
MORH SE Sn 2016 47.11

**April 24 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg C 2034 03.02  
TENK SN ISg 2034 05.12

**April 24 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg D 2155 40.90

TENK SN ISg        2155 42.94

**April 24 2013 Hour: 22:10:30.7 Lat: 28.38°N Lon: 104.96°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        2221 08.12  
 AMBH SZ EP        C 2221 20.09  
 PSZ SZ EP        2221 20.17  
 BUD SZ EP        2221 24.89  
 MORH SZ EP        C 2221 26.09  
 CSKK SZ EP        2221 26.32  
 TIH SZ EP        2221 30.16  
 SOP SZ EP        2221 33.62  
 BEHE SZ EP        2221 35.54

**April 24 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg       D 2354 54.31  
 TENK SN ISg       2354 56.44

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg       D 0041 31.11  
 TENK SN ISg       0041 33.22

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg       C 0052 51.54  
 TENK SN ESG       0052 53.55

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg       C 0052 51.56  
 TENK SN ESG       0052 53.49

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg       C 0215 43.72  
 TENK SN ISg       0215 45.77

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg       C 0538 59.99  
 TENK SN ISg       0539 02.02

**April 25 2013 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        0641 46.24  
 PSZ SN ESG        0641 51.96

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ IPg       D 0736 55.65  
 TENK SN ISg       0736 57.77

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 0758 04.73  
TENK SN ISg 0758 06.79

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 0920 29.07  
TENK SN ISg 0920 31.18

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 1011 34.11  
TENK SN ESG 1011 36.12

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg C 1158 45.97  
TENK SN ISg 1158 48.04

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 1422 05.92  
TENK SN ISg 1422 08.10

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ ESG 1631 23.30  
TENK SN ISg 1631 25.27

**April 25 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 2122 08.31  
TENK SN ISg 2122 10.23

**April 25 2013 Hour: 22:23:01.6 Lat: 50.11°N Lon: 157.61°E M: 4.9 Depth: 45 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 2234 36.67  
PSZ SZ EP 2234 42.24  
TIH SZ EP 2234 49.94  
SOP SZ EP 2234 50.87  
BEHE SZ EP 2234 55.59

**April 25 2013 Hour: 22:32:53.4 Lat: 50.16°N Lon: 157.52°E M: 5.0 Depth: 34 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2244 29.89  
LTVH SZ EP 2244 34.85  
TENK SZ EP 2244 35.91  
PSZ SZ EP D 2244 36.12  
BUD SZ EP D 2244 39.92  
CSKK SZ EP D 2244 41.72  
SOP SZ EP C 2244 42.91

TIH SZ EP 2244 44.28  
 BEHE SZ EP C 2244 48.25

**April 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg C 0144 35.50  
 TENK SN ISg 0144 37.47

**April 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 0415 41.18  
 TENK SN ISg 0415 43.27

**April 26 2013 Hour: 06:53:29.0 Lat: 28.68°S Lon: 178.92°W M: 5.8 Depth: 351 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPKPdf 0712 41.13  
 BUD SZ EPKPdf 0712 41.33  
 TIH SZ EPKPdf 0712 41.97  
 SOP SZ EPKPdf 0712 42.30  
 BEHE SZ EPKPdf C 0712 42.95  
 CSKK SZ EPKPdf 0712 44.42

**April 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg C 0927 08.98  
 TENK SN ISg 0927 11.00

**April 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 1041 52.73  
 TENK SN ISg 1041 54.83

**April 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 1057 33.87  
 TENK SN ISg 1057 36.01

**April 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 1120 34.26  
 TENK SN ISg 1120 36.52

**April 26 2013 Hour: 14:09:47.0 Lat: 43.31°N Lon: 19.01°E M: 3.2 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn D 1410 45.10  
 PSZ SZ EPn D 1410 57.66  
 TIH SN Sn 1411 29.24  
 PSZ SN Sn 1411 53.87

**April 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg D 1724 00.19  
 TENK SN ISg 1724 02.21

**April 26 2013 Hour: 17:57:32.0 Lat: 43.45°N Lon: 19.17°E M: 3.2 Depth: 6 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1758 17.40  
MORH SZ EPg 1758 25.49  
MORH SN Sn 1758 50.06  
MORH SE ESG 1759 03.12

**April 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg D 2000 50.40  
TENK SN ISg 2000 52.37

**April 27 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg D 0219 57.96  
TENK SN ISg 0220 00.03  
PSZ SZ EPg 0220 05.01  
PSZ SN ESG 0220 10.19

**April 27 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 0302 09.07  
TENK SN ISg 0302 11.15

**April 27 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 0331 13.73  
TENK SN ISg 0331 15.66

**April 28 2013 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 0112 42.63  
CSKK SN ESG 0112 43.12

**April 28 2013 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 0112 42.57  
CSKK SN ESG 0112 43.19

**April 28 2013 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 0321 29.11  
CSKK SN ESG 0321 29.72

**April 28 2013 Hour: 04:49:57.0 Lat: 38.26°N Lon: 22.22°E M: 4.6 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0451 53.03  
PSZ SZ EPn 0452 13.42  
MORH SN Sn 0453 23.79  
PSZ SN Sn 0454 10.26

**April 28 2013 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 0916 36.99  
 PSZ SN ESg 0916 41.23

**April 28 2013 Hour: 12:11:33.6 Lat: 27.07°N Lon: 54.28°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 EP 1218 15.98  
 SOP SZ EP 1218 33.85

**April 28 2013 Hour: 15:28:07.4 Lat: 31.71°N Lon: 104.18°E M: 4.7 Depth: 42 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1538 43.57  
 SOP SZ EP 1538 53.50

**April 28 2013 Hour: 16:31:05.1 Lat: 37.45°N Lon: 22.70°E M: 4.8 Depth: 58 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1633 12.93  
 PSZ SZ EPn 1633 32.91  
 MORH SN Sn 1634 52.45  
 PSZ SN Sn 1635 34.70

**April 28 2013 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 1829 27.25  
 CSKK SN ESg 1829 27.92

**April 29 2013 Hour: 00:36:51.0 Lat: 37.04°N Lon: 21.18°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 SZ EPn 0039 04.32  
 PSZ SZ EPn 0039 34.34  
 SOP SZ EPn 0039 38.80  
 PSZ SN Sn 0041 35.31

**April 29 2013 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 0804 46.42  
 CSKK SN ESg 0804 47.67

**April 29 2013 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 0811 35.13  
 CSKK SN ESg 0811 36.34

**April 29 2013 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 0812 06.44  
 CSKK SN ESg 0812 07.84

**April 29 2013 Hour: 13:01:44.7 Lat: 35.70°N Lon: 140.97°E M: 5.3 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1313 52.15  
 PSZ SZ EP C 1313 59.52  
 BUD SZ EP D 1314 07.75

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MORH SZ EP C 1314 08.56  
SOP SZ EP C 1314 09.49

**April 29 2013 Hour: 13:42:59.6 Lat: 3.88°N Lon: 95.92°E M: 5.0 Depth: 61 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1354 54.89

**April 29 2013 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 1537 43.99  
PSZ SN ISg C 1537 47.28

**April 29 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 1917 32.19  
TENK SN ISg 1917 34.49

**April 29 2013 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 2043 27.22

**April 29 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

**April 29 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ IPg D 2135 58.82  
TENK SN ISg 2136 00.83

**April 29 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ IPg D 2330 12.45  
TENK SZ EPg D 2330 12.51  
TENK SN ISg 2330 14.56

**April 30 2013 Hour: 00:10:25.0 Lat: 45.05°N Lon: 15.00°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 0010 58.66  
BEHE SZ EPg 0011 02.67  
MORH SZ EPn 0011 09.79  
SOP SZ EPn 0011 12.54  
MORH SZ EPg 0011 18.86  
BEHE SE Sn 0011 20.12  
PSZ SZ EPn 0011 32.93  
MORH SN Sn 0011 42.45  
SOP SN Sn 0011 47.06  
PSZ SN Sn 0012 23.35

**April 30 2013 Hour: Lat: Lon: M: Depth:**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg D 0024 19.18  
TENK SN ISg 0024 21.22

**April 30 2013 Hour: 01:03:35.8 Lat: 51.25°N Lon: 92.40°E M: 5.3 Depth: 17 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EP 0111 53.21  
 PSZ SZ EP 0111 53.77  
 BUD SZ EP 0112 00.17  
 MORH SZ EP C 0112 05.97  
 SOP SZ EP C 0112 09.66  
 BEHE SZ EP C 0112 13.75

**April 30 2013 Hour: 06:25:23.1 Lat: 37.59°N Lon: 24.91°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 0631 49.84  
 CSKK SZ EP 0631 58.13  
 MORH SZ EP 0631 59.38  
 BEHE SE ES 0636 58.25  
 MORH SE IS 0637 16.96  
 CSKK SN ES 0637 16.96

**April 30 2013 Hour: 06:56:48.7 Lat: 17.52°N Lon: 62.17°W M: 5.3 Depth: 63 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0708 01.33  
 BEHE SZ EP 0708 04.46  
 SOP SZ EP 0708 07.09  
 TENK SZ EP 0708 08.97  
 TIH SZ EP C 0708 11.98  
 TRPA SZ EP 0708 16.24  
 PSZ SZ EP 0708 19.49  
 SOP SN ES 0717 07.21  
 TRPA SN ES 0717 47.57

**April 30 2013 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 51.60  
 PSZ SN ESG 1056 55.89

**April 30 2013 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 1147 14.04  
 MORH SN ESG 1147 19.42

**April 30 2013 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 1242 11.57  
 MORH SN ESG 1242 20.29  
 TENK SZ EPn 1242 25.46

**April 30 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg D 1625 50.91  
 TENK SN ISG 1625 52.95

**April 30 2013 Hour: 20:02:41.0 Lat: 51.19°N Lon: 15.87°E M: 3.3 Depth: 2 km**

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

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SOP	SZ	EPn	2003	37.90
PSZ	SZ	EPn	2003	43.91
SOP	SZ	EPg	2003	46.31
MORH	SZ	EPn	2004	01.42
PSZ	SZ	EPg	2004	04.69
SOP	SN	Sn	2004	20.47
MORH	SZ	EPg	2004	21.62
PSZ	SN	Sn	2004	34.53
SOP	SN	ESg	2004	37.61
PSZ	SN	ESg	2004	59.33
MORH	SN	Sn	2005	03.81

**May 01 2013 Hour: 05:37:59.0 Lat: 14.92°N Lon: 123.32°E M: 5.3 Depth: 28 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EP 0550 40.87  
BEHE SZ EP 0550 42.65  
TRPA SZ EP 0550 43.31  
PSZ SZ EP 0550 44.42  
MORH SZ EP 0550 50.92  
CSKK SZ EP 0550 52.20

**May 01 2013 Hour: 06:57:13.4 Lat: 33.06°N Lon: 75.86°E M: 5.6 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0705 06.44  
LTVH SZ EP 0705 11.52  
PSZ SZ EP 0705 21.06  
TENK SZ EP 0705 21.48  
CSKK SZ EP 0705 24.87  
MORH SZ EP 0705 28.47  
TIH SZ EP 0705 31.44  
BEHE SZ EP 0705 38.22  
SOP SZ EP 0705 38.64

**May 01 2013 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 1806 50.89

**May 01 2013 Hour: 18:31:06.0 Lat: 28.23°N Lon: 51.74°E M: 5.1 Depth: 24 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1837 13.72  
TENK SZ EP 1837 24.83  
MORH SZ EP 1837 26.62  
PSZ SZ EP 1837 29.81  
CSKK SZ EP 1837 33.76  
TIH SZ EP 1837 34.66  
BEHE SZ EP 1837 37.98  
SOP SZ EP 1837 44.36

**May 01 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 1924 45.42  
TENK SE ISg 1924 47.49

**May 01 2013 Hour: 21:10:15.0 Lat: 43.09°N Lon: 17.46°E M: 2.8 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2111 01.18  
 MORH SZ EPg 2111 09.71  
 MORH SN Sn 2111 46.74

**May 01 2013 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 2217 36.76  
 CSKK SN ESG 2217 37.30

**May 01 2013 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 2217 51.99  
 CSKK SN ESG 2217 52.37

**May 01 2013 Hour: 23:13:05.0 Lat: 34.76°N Lon: 141.65°E M: 5.3 Depth: 9 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2325 21.93  
 LTVH SZ EP C 2325 26.22  
 PSZ SZ EP C 2325 29.36  
 CSKK SZ EP 2325 34.90  
 TIH SZ EP C 2325 37.30  
 SOP SZ EP C 2325 38.14  
 MORH SZ EP C 2325 38.14  
 BEHE SZ EP C 2325 41.48

**May 02 2013 Hour: 00:35:42.2 Lat: 28.20°N Lon: 51.67°E M: 4.5 Depth: 17 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0041 53.44  
 MORH SZ EP 0042 05.64  
 CSKK SZ EP 0042 12.12  
 SOP SZ EP 0042 23.48

**May 02 2013 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg D 1001 44.48  
 TENK SN ESG 1001 45.11

**May 02 2013 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg D 1002 48.26  
 TENK SN ISG D 1002 50.32

**May 02 2013 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 1110 39.81  
 TENK SN ISG D 1110 41.92

**May 02 2013 Hour: 19:40:51.4 Lat: 2.71°N Lon: 91.55°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 1952 29.27  
 CSKK SZ EP 1952 30.93

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MORH SZ EP        1952 40.39

**May 03 2013 Hour: Lat: Lon: M: Depth:**

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

TENK SZ EPg        0010 58.19

TENK SN ISg        0011 00.21

**May 03 2013 Hour: 06:10:12.0 Lat: 52.65°N Lon: 157.26°E M: 5.4 Depth: 167 km**

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

TRPA SZ EP        D 0621 20.02

PSZ SZ EP        D 0621 26.14

CSKK SZ EP        0621 31.99

SOP SZ EP        D 0621 33.24

TIH SZ EP        D 0621 34.63

MORH SZ EP        D 0621 35.88

BEHE SZ EP        0621 38.81

**May 03 2013 Hour: Lat: Lon: M: Depth:**

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

TENK SZ EPg        D 0912 20.36

TENK SN ESG        0912 22.40

**May 03 2013 Hour: 16:22:02.0 Lat: 40.41°N Lon: 22.66°E M: 3.9 Depth: 10 km**

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

MORH SZ EPn        D 1623 39.90

TIH SZ EPn        1623 52.16

PSZ SZ EPn        1623 56.30

MORH SE Sn        1624 51.27

**May 03 2013 Hour: Lat: Lon: M: Depth:**

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

TENK SZ EPg        1718 02.01

TENK SN ISg        D 1718 04.09

**May 03 2013 Hour: 21:20:37.0 Lat: 43.81°N Lon: 19.07°E M: 2.7 Depth: 3 km**

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

MORH SZ EPn        2121 16.67

TIH SZ EPn        2121 29.88

MORH SN ESG        2121 56.82

TIH SN ESG        2122 19.95

**May 03 2013 Hour: Lat: Lon: M: Depth:**

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

TENK SZ EPg        2159 10.25

TENK SN ISg        D 2159 12.23

**May 04 2013 Hour: Lat: Lon: M: Depth:**

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

TENK SZ EPg        0057 16.27

TENK SE ESG        D 0057 18.39

**May 04 2013 Hour: Lat: Lon: M: Depth:**

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

TENK SZ EPg 1821 50.76  
 TENK SE EPg D 1821 52.91

**May 04 2013 Hour: 20:36:27.0 Lat: 45.31°N Lon: 14.87°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 2037 00.23  
 SOP SZ EPn 2037 09.50  
 TIH SZ EPn 2037 10.31  
 MORH SZ EPn 2037 16.01  
 BEHE SN Sn 2037 22.64  
 CSKK SZ EPg 2037 29.80  
 PSZ SZ EPn 2037 32.75  
 SOP SE Sn 2037 39.99  
 TIH SN Sn 2037 41.73  
 MORH SN Sn 2037 42.74  
 MORH SN ESg 2037 55.45  
 CSKK SN Sn 2037 56.40  
 CSKK SN ESg 2038 05.85  
 PSZ SN Sn 2038 21.12

**May 04 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 2253 40.64  
 TENK SN ISg D 2253 42.80

**May 05 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 0207 54.51  
 TENK SE ISg D 0207 56.62

**May 05 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 0425 12.15  
 TENK SN ISg D 0425 14.28

**May 05 2013 Hour: 08:20:37.6 Lat: 13.31°N Lon: 49.63°E M: 4.8 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0828 23.56  
 LTVH SZ EP 0828 23.60  
 MORH SZ EP C 0828 29.04  
 PSZ SZ EP 0828 32.15  
 SOP SZ EP 0828 45.64  
 TRPA SZ EPP 0830 01.04  
 MORH SZ EPP 0830 11.98

**May 05 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 1747 12.60  
 TENK SN ISg D 1747 14.67

**May 05 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg D 1747 12.60

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TENK SN ISg D 1747 14.67

**May 05 2013 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 2030 56.71  
TIH SZ EPn 2031 04.60  
MORH SZ EPn 2031 07.99  
BEHE SN Sn 2031 13.45  
CSKK SZ EPn 2031 17.09  
TIH SN Sn 2031 29.09  
MORH SN Sn 2031 29.96  
PSZ SZ EPn 2031 39.23  
CSKK SN Sn 2031 43.02  
PSZ SN Sn 2032 30.72

**May 06 2013 Hour: 02:28:03.2 Lat: 28.43°N Lon: 51.74°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 0234 11.46  
MORH SZ EP 0234 24.28  
PSZ SZ EP 0234 30.62  
BEHE SZ EP 0234 34.89  
SOP SZ EP 0234 41.29

**May 06 2013 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 0738 37.45  
CSKK SE ESg 0738 38.80

**May 06 2013 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 0738 49.19  
CSKK SE ESg 0738 51.15

**May 06 2013 Hour: 13:14:34.0 Lat: 37.41°N Lon: 143.67°E M: 5.0 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1326 57.82  
PSZ SZ EP 1327 05.46  
MORH SZ EP 1327 13.44  
SOP SZ EP D 1327 14.22

**May 06 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 1341 22.36  
TENK SN ESg 1341 23.67

**May 06 2013 Hour: 18:23:36.0 Lat: 60.12°N Lon: 163.55°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 EP 1834 34.19  
LTVH SZ EP 1834 36.91  
PSZ SZ EP C 1834 40.28  
MORH SZ EP 1834 50.92

**May 06 2013 Hour: 20:18:04.0 Lat: 20.67°N Lon: 99.85°E M: 4.9 Depth: 36 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2028 50.14  
 PSZ SZ EP 2029 00.85  
 MORH SZ EP 2029 08.84  
 SOP SZ EP 2029 15.13

**May 07 2013 Hour: 10:10:48.7 Lat: 19.62°S Lon: 175.05°E M: 5.6 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1030 15.90  
 LTVH SZ EP D 1030 25.16  
 TENK SZ EP 1030 26.36  
 PSZ SZ EP D 1030 26.58  
 CSKK SZ EP 1030 29.20  
 BEHE SZ EP 1030 30.78  
 SOP SZ EP C 1030 31.13  
 TIH SZ EP 1030 31.45

**May 08 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 0006 43.59  
 TENK SN ISg D 0006 45.61

**May 08 2013 Hour: 00:52:17.0 Lat: 43.43°N Lon: 12.30°E M: 3.6 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0053 24.51  
 SOP SZ EPn 0053 33.53  
 TIH SZ EPn 0053 36.44  
 BEHE SZ EPg 0053 40.68  
 TIH SZ EPg 0053 56.86  
 BEHE SN Sn 0054 22.08  
 SOP SE Sn 0054 33.59  
 TIH SN Sn 0054 36.33  
 BEHE SN ESG 0054 38.83

**May 08 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 0133 53.81  
 TENK SN ISg D 0133 55.87

**May 08 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 0345 20.41  
 TENK SN ESG 0345 22.16

**May 08 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg C 1847 25.87  
 TENK SN ISg D 1847 27.85

**May 08 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg 1847 43.77  
 TENK SN ISg D 1847 45.87

**May 08 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg C 2144 18.18  
TENK SN ISg D 2144 20.27

**May 08 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg D 2149 43.09  
TENK SN ISg D 2149 45.16

**May 08 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 2346 49.46  
TENK SN ISg D 2346 51.51  
PSZ SZ EPg 2346 56.97  
PSZ SN ESG 2347 03.20

**May 09 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg D 0114 31.20  
TENK SN ISg D 0114 33.19

**May 09 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg D 0128 42.85  
TENK SN ISg D 0128 44.90  
PSZ SZ EPg 0128 49.15  
PSZ SN ESG 0128 54.89

**May 09 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EPg 0152 49.93  
TENK SN ISg D 0152 52.00

**May 09 2013 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 0709 02.89  
PSZ SN Sn 0709 28.61

**May 09 2013 Hour: 08:01:33.5 Lat: 26.72°N Lon: 57.68°E M: 4.9 Depth: 23 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0808 26.34  
PSZ SZ EP 0808 38.37  
BEHE SZ EP 0808 49.33  
SOP SZ EP 0808 54.22

**May 09 2013 Hour: 20:12:08.2 Lat: 36.29°N Lon: 22.18°E M: 4.2 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2014 35.45  
BEHE SZ EPn 2014 44.35  
PSZ SZ EPn 2014 57.37  
TRPA SZ EPn 2014 59.98

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MORH	SN	Sn	2016	29.92
BEHE	SE	Sn	2016	31.97
PSZ	SN	Sn	2017	10.34
TRPA	SN	Sn	2017	10.61

**May 09 2013 Hour: 20:45:35.9 Lat: 46.71°N Lon: 152.72°E M: 4.7 Depth: 58 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2057 17.33  
 PSZ SZ EP 2057 24.09  
 CSKK SZ EP D 2057 29.96  
 TIH SZ EP 2057 32.17  
 MORH SZ EP 2057 33.55

**May 10 2013 Hour: 08:38:28.0 Lat: 67.61°N Lon: 139.32°E M: 5.4 Depth: 17 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 0848 00.64  
 LTVH SZ EP 0848 07.41  
 PSZ SZ IP C 0848 07.93  
 TENK SZ EP 0848 07.93  
 CSKK SZ EP 0848 14.87  
 SOP SZ IP C 0848 15.56  
 TIH SZ EP 0848 18.16  
 BEHE SZ IP C 0848 22.85

**May 10 2013 Hour: 19:56:04.0 Lat: 28.98°S Lon: 13.22°W M: 5.6 Depth: 6 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EP 2008 14.78  
 TIH SZ EP 2008 21.01  
 SOP SZ EP 2008 22.05  
 CSKK SZ EP 2008 24.12  
 TENK SZ EP 2008 26.89  
 PSZ SZ EP 2008 27.41  
 LTVH SZ EP 2008 27.59  
 TRPA SZ EP 2008 31.91

**May 11 2013 Hour: 02:08:08.5 Lat: 26.56°N Lon: 57.77°E M: 5.9 Depth: 15 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0215 02.93  
 LTVH SZ EP 0215 03.49  
 TENK SZ EP 0215 12.31  
 PSZ SZ EP 0215 14.94  
 CSKK SZ EP 0215 23.76  
 TIH SZ EP 0215 24.32  
 BEHE SZ EP 0215 28.63  
 SOP SZ EP 0215 33.14  
 TRPA SZ EPP 0216 29.63  
 PSZ SZ EPP 0216 44.30  
 LTVH SN ES 0220 38.31  
 TRPA SN ES 0220 42.31  
 PSZ SN ES 0221 02.98  
 TIH SZ ES 0221 09.65  
 CSKK SN ES 0221 15.65  
 TRPA SN ESS 0223 09.65

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LTVH SN ESS	0223 23.66
PSZ SN ESS	0223 34.99
TIH SZ ESS	0224 05.66
SOP SN ESS	0224 19.66

**May 11 2013 Hour: 02:50:01.0 Lat: 26.59°N Lon: 57.93°E M: 4.6 Depth: 13 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK SZ EP 0257 05.50  
SOP SZ EP 0257 25.33

**May 11 2013 Hour: 03:03:27.2 Lat: 26.68°N Lon: 57.89°E M: 4.8 Depth: 16 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0310 32.40  
LTVH SZ EP 0310 36.68  
TENK SZ EP 0310 40.00  
CSKK SZ EP 0310 40.24  
BEHE SZ EP 0310 46.42  
TIH SZ EP 0310 47.96  
SOP SZ EP 0310 49.74  
TRPA SZ EP 0310 53.78

**May 11 2013 Hour: 03:09:47.4 Lat: 26.55°N Lon: 57.93°E M: 5.3 Depth: 9 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0316 43.97  
LTVH SZ EP C 0316 45.47  
TENK SZ EP C 0316 55.30  
PSZ SZ EP 0316 55.53  
CSKK SZ EP C 0317 04.22  
TIH SZ EP C 0317 05.82  
BEHE SZ EP C 0317 10.62  
SOP SZ EP 0317 14.06

**May 11 2013 Hour: 03:17:21.5 Lat: 26.65°N Lon: 57.72°E M: 4.7 Depth: 8 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0324 12.68  
PSZ SZ EP 0324 26.07  
CSKK SZ EP D 0324 33.50  
BEHE SZ EP 0324 39.57  
SOP SZ EP 0324 43.17  
LTVH SZ EP 0324 43.73  
TIH SZ EP 0324 43.85  
PSZ SE ES 0329 10.24  
TRPA SN ES 0329 38.67

**May 11 2013 Hour: 03:41:27.1 Lat: 26.53°N Lon: 57.94°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 C 0348 22.51  
LTVH SZ EP 0348 24.59  
PSZ SZ EP C 0348 35.80  
TIH SZ EP 0348 43.22  
CSKK SZ EP C 0348 43.22  
BEHE SZ EP D 0348 48.70  
SOP SZ EP C 0348 52.95

**May 11 2013 Hour: 03:58:14.6 Lat: 26.70°N Lon: 57.68°E M: 4.3 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0405 18.51  
 LTVH SZ EP 0405 25.17  
 CSKK SZ EP 0405 26.15  
 SOP SZ EP 0405 33.80  
 BEHE SZ EP 0405 38.98

**May 11 2013 Hour: 04:09:27.2 Lat: 26.53°N Lon: 57.89°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 0416 32.63  
 CSKK SZ EP 0416 42.55  
 SOP SZ EP 0416 51.14

**May 11 2013 Hour: 04:42:37.7 Lat: 32.77°N Lon: 12.35°E M: 4.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0446 15.19  
 PSZ SZ EPn 0446 26.95  
 TRPA SZ EPn 0446 41.92

**May 11 2013 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 0544 52.02  
 PSZ SN ESg 0544 52.75

**May 11 2013 Hour: 08:42:34.2 Lat: 26.52°N Lon: 57.67°E M: 5.0 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0849 26.54  
 PSZ SZ EP C 0849 40.72  
 CSKK SZ EP D 0849 48.27  
 BEHE SZ EP C 0849 54.49  
 SOP SZ EP 0849 58.33  
 PSZ SN ES 0855 24.00  
 SOP SN ES 0855 51.67

**May 11 2013 Hour: 10:03:05.0 Lat: 26.78°N Lon: 57.64°E M: 4.6 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1009 55.49  
 PSZ SZ EP C 1010 07.42  
 SOP SZ EP C 1010 24.56

**May 11 2013 Hour: 18:06:13.8 Lat: 26.60°N Lon: 57.93°E M: 4.7 Depth: 25 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1813 17.48  
 MORH SZ EP 1813 18.95  
 SOP SZ EP 1813 35.86

**May 11 2013 Hour: 20:46:57.5 Lat: 17.97°S Lon: 175.11°W M: 5.8 Depth: 213 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2106 12.61  
 LTVH SZ EP D 2106 14.09  
 PSZ SZ EP 2106 14.09

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TENK SZ EP	D 2106 14.83
SOP SZ EP	D 2106 16.07
TIH SZ EP	2106 16.32
MORH SZ EP	D 2106 16.94
CSKK SZ EP	2106 17.80
BEHE SZ EP	D 2106 18.05
SOP SZ I	D 2111 47.15
TRPA SN ESS	2128 08.98
PSZ SE ESS	2128 30.07
PSZ SZ ESS	2128 31.18
SOP SE ESS	2128 40.06
MORH SZ ESS	2128 48.94
MORH SE ESS	2128 54.49
CSKK SZ ESS	2129 18.90
BEHE SN ESS	2129 30.00

**May 11 2013 Hour: 21:51:31.1 Lat: 26.72°N Lon: 57.62°E M: 4.9 Depth: 14 km**

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

TRPA SZ EP	C 2158 22.02
LTVH SZ EP	2158 24.60
TENK SZ EP	2158 25.21
PSZ SZ EP	2158 36.00
MORH SZ EP	C 2158 37.37
CSKK SZ EP	D 2158 43.14
BEHE SZ EP	C 2158 49.22
SOP SZ EP	C 2158 52.57

**May 11 2013 Hour: 22:23:08.5 Lat: 26.69°N Lon: 57.47°E M: 4.5 Depth: 14 km**

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

TRPA SZ EP	2229 55.64
BEHE SZ EP	2229 55.81
LTVH SZ EP	2229 57.03
TENK SZ EP	C 2230 05.89
PSZ SZ EP	C 2230 09.37
MORH SZ EP	C 2230 09.89
CSKK SZ EP	2230 15.46
TIH SZ EP	2230 16.36
SOP SZ EP	D 2230 26.24

**May 11 2013 Hour: Lat: Lon: M: Depth:**

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

TENK SZ EPg	C 2335 48.65
TENK SN ISg	2335 50.68

**May 11 2013 Hour: 23:46:34.0 Lat: 43.79°N Lon: 17.22°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	2347 19.15
BEHE SZ EPn	2347 19.55
BEHE SZ ESg	2347 25.17
MORH SZ ESg	2347 26.54
MORH SN Sn	2347 48.59
BEHE SN Sn	2347 52.78

**May 12 2013 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 0008 27.20  
 MORH SZ EPg 0008 36.14  
 MORH SN Sn 0008 58.40  
 PSZ SN Sn 0010 09.96

**May 12 2013 Hour: 00:07:09.0 Lat: 26.79°N Lon: 57.91°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 IP C 0013 52.47  
 LTVH SZ IP C 0013 53.66  
 TENK SZ IP C 0014 03.19  
 PSZ SZ IP C 0014 06.16  
 MORH SZ IP C 0014 07.95  
 CSKK SZ IP 0014 12.91  
 TIH SZ IP C 0014 13.71  
 BEHE SZ IP C 0014 19.26  
 SOP SZ IP C 0014 22.83  
 TRPA SN ES 0019 24.16  
 TENK SN ES 0019 46.94  
 PSZ SN ES 0019 47.65  
 MORH SN ES 0019 52.67  
 TIH SZ ES 0020 00.54  
 CSKK SN ES 0020 01.98  
 TRPA SN ESS 0022 05.27  
 MORH SN ESS 0022 32.53  
 SOP SN ESS 0023 08.01

**May 12 2013 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 0115 13.46  
 LTVH SZ EP 0115 14.86  
 PSZ SZ EP 0115 26.34  
 MORH SZ EP C 0115 28.32  
 BEHE SZ EP 0115 40.12  
 SOP SZ EP 0115 43.85

**May 12 2013 Hour: 04:23:03.4 Lat: 26.57°N Lon: 57.70°E M: 4.4 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0430 06.76  
 MORH SZ EP 0430 09.13  
 SOP SZ EP 0430 24.92

**May 12 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0753 08.79  
 MORH SZ EP 0753 52.06  
 PSZ SZ EP 0753 58.15  
 LTVH SZ EP 0754 04.42  
 TRPA SZ EP 0756 13.63

**May 12 2013 Hour: 09:02:20.0 Lat: 26.47°N Lon: 57.67°E M: 4.5 Depth: 15 km**

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

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MORH SZ EP	0909 30.09
TIH SZ EP	0909 38.93
SOP SZ EP	0909 44.23

**May 12 2013 Hour: 09:00:39.5 Lat: 46.69°N Lon: 152.58°E M: 4.8 Depth: 70 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	0912 19.03
PSZ SZ EP	0912 26.05
MORH SZ EP	C 0912 34.80
CSKK SZ EP	0912 35.92

**May 12 2013 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	1026 35.39
PSZ SZ EP	1026 50.69
MORH SZ EP	C 1026 59.96

**May 12 2013 Hour: 10:54:48.6 Lat: 26.72°N Lon: 57.77°E M: 5.4 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1101 39.29
LTVH SZ EP	1101 40.29
PSZ SZ EP	C 1101 52.44
MORH SZ EP	C 1101 54.01
CSKK SZ EP	1101 59.59
TIH SZ EP	1102 00.45
BEHE SZ EP	C 1102 05.60
SOP SZ EP	C 1102 09.46
TRPA SZ EPP	1102 57.00
MORH SZ EPP	1103 29.45
TRPA SN ES	1107 12.02
LTVH SN ES	1107 24.10
PSZ SN ES	1107 33.33
MORH SN ES	1107 35.46
BEHE SN ES	1107 55.35
SOP SN ES	1108 02.45
TRPA SN ESS	1109 56.81
PSZ SN ESS	1109 57.52
MORH SN ESS	1110 18.83
SOP SN ESS	1110 52.92

**May 12 2013 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 1716 38.83
CSKK SN ESG	1716 39.37

**May 12 2013 Hour: 20:06:41.3 Lat: 52.50°N Lon: 171.95°W M: 5.7 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EP	2018 48.76
TRPA SZ EP	2018 49.11
TIH SZ EP	2018 52.17
LTVH SZ EP	2018 52.50
PSZ SZ EP	2018 53.73
BEHE SZ EP	2018 58.89

TRPA SZ EPP        2021 46.89  
 PSZ SN EPP        2021 51.38

**May 12 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg        D 2021 05.16  
 TENK SN ISg        2021 07.18

**May 12 2013 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        2155 05.54  
 SOP SZ EP        2155 06.81  
 LTVH SZ EP        2155 12.41

**May 12 2013 Hour: 22:40:33.4 Lat: 29.58°N Lon: 52.73°E M: 4.4 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP        2246 36.76  
 PSZ SZ EP        2246 50.41  
 MORH SZ EP        2246 51.72

**May 12 2013 Hour: 22:42:45.7 Lat: 43.96°N Lon: 147.81°E M: 5.6 Depth: 54 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP        C 2254 30.40  
 LTVH SZ IP        C 2254 35.47  
 PSZ SZ IP        C 2254 37.32  
 CSKK SZ EP        2254 43.14  
 SOP SZ IP        C 2254 45.65  
 MORH SZ IP        C 2254 46.55  
 TRPA SN ES        2304 12.19

**May 12 2013 Hour: 23:05:28.0 Lat: 21.92°N Lon: 143.74°E M: 5.1 Depth: 167 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP        2318 19.73  
 PSZ SZ EP        2318 26.33

**May 13 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg        0016 18.31  
 TENK SE ISg        0016 18.86

**May 13 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg        0449 58.74  
 TENK SN ISg        D 0450 00.76

**May 13 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK SZ EPg        0450 07.31  
 TENK SN ISg        0450 09.26

**May 13 2013 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        0621 16.48

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CSKK SN ESg        0621 18.13

**May 13 2013 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        0627 18.62

CSKK SN ESg        0627 19.90

**May 13 2013 Hour: 22:19:15.5 Lat: 28.34°N Lon: 51.63°E M: 4.8 Depth: 16 km**

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

PSZ SZ EP        2225 40.20

**May 14 2013 Hour: 00:32:26.0 Lat: 18.73°N Lon: 145.29°E M: 6.2 Depth: 602 km**

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

TRPA SZ IP        D 0044 48.37

LTVH SZ IP        0044 50.21

PSZ SZ IP        0044 55.12

TIH SZ IP        D 0045 00.70

CSKK SZ IP        0045 01.71

SOP SZ IP        0045 02.48

BEHE SZ IP        D 0045 07.79

TRPA SZ EPP        0048 54.68

PSZ SZ EPP        0049 05.62

CSKK SZ EPP        0049 09.99

TIH SZ EPP        0049 18.01

SOP SZ EPP        0049 19.47

BEHE SZ EPP        0049 22.39

**May 14 2013 Hour: 10:19:08.0 Lat: 56.19°N Lon: 162.68°E M: 5.0 Depth: 17 km**

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

TRPA SZ EP        C 1030 23.84

PSZ SZ EP        1030 30.08

LTVH SZ EP        1030 30.16

CSKK SZ EP        1030 35.53

BEHE SZ EP        1030 36.42

**May 14 2013 Hour: 19:18:16.6 Lat: 0.77°N Lon: 92.40°E M: 5.6 Depth: 17 km**

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

TRPA SZ EP        D 1930 03.95

LTVH SZ EP        1930 10.33

PSZ SZ EP        D 1930 12.97

CSKK SZ EP        1930 18.50

TIH SZ EP        D 1930 19.26

BEHE SZ EP        D 1930 23.68

SOP SZ EP        D 1930 25.22

**May 14 2013 Hour: 21:31:19.8 Lat: 18.76°S Lon: 173.37°W M: 4.8 Depth: 39 km**

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

TRPA SZ EP        2151 04.43

LTVH SZ EP        2151 08.28

CSKK SZ EP        2151 08.42

TIH SZ EP        2151 09.24

BEHE SZ EP        2151 09.65

PSZ SZ EP        2151 10.75

SOP SZ EP        2151 12.81

**May 15 2013 Hour: 03:36:01.5 Lat: 4.56°S Lon: 152.82°E M: 5.7 Depth: 59 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP        0354 45.14  
 LTVH SZ EP        0354 47.91  
 CSKK SZ EP        0354 49.59  
 PSZ SZ EP        0354 49.72  
 MORH SZ EP        0354 50.88  
 TENK SZ EP        0354 51.39  
 TIH SZ EP        0354 52.10  
 BEHE SZ EP        0354 53.13  
 SOP SZ EP        0354 53.39

**May 15 2013 Hour: 05:02:25.8 Lat: 38.80°N Lon: 88.14°E M: 4.7 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP        0511 16.51  
 TIH SZ EP        0511 25.60

**May 15 2013 Hour: 08:02:37.2 Lat: 27.16°S Lon: 177.92°W M: 4.9 Depth: 180 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP        C 0822 28.65  
 LTVH SZ EP        0822 32.39  
 PSZ SZ EP        0822 34.20  
 SOP SZ EP        0822 40.97  
 MORH SZ EP        C 0822 41.63

**May 15 2013 Hour: 10:54:28.7 Lat: 31.41°N Lon: 86.60°E M: 5.1 Depth: 28 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP        1103 27.00  
 TENK SZ EP        1103 28.60  
 TIH SZ EP        1103 31.40  
 LTVH SZ EP        1103 32.61  
 CSKK SZ EP        1103 36.24  
 PSZ SZ EP        1103 38.42  
 MORH SZ EP        1103 45.32  
 BEHE SZ EP        1103 46.30  
 SOP SZ EP        1103 56.36

**May 15 2013 Hour: 13:51:42.4 Lat: 46.12°N Lon: 151.13°E M: 5.3 Depth: 110 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP        C 1403 18.01  
 LTVH SZ IP        C 1403 23.37  
 PSZ SZ IP        C 1403 25.19  
 CSKK SZ IP        1403 30.30  
 TIH SZ EP        1403 32.49  
 SOP SZ IP        C 1403 32.49  
 TENK SZ IP        C 1403 33.10  
 MORH SZ IP        C 1403 34.19  
 BEHE SZ IP        C 1403 37.23

**May 15 2013 Hour: 16:09:03.0 Lat: 26.72°N Lon: 57.78°E M: 4.5 Depth: 15 km**

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

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PSZ SZ EP	1616 11.50
TIH SZ EP	1616 18.20
LTVH SZ EP	1616 20.96
SOP SZ EP	1616 28.08

**May 15 2013 Hour: 23:46:32.6 Lat: 40.41°N Lon: 141.83°E M: 4.9 Depth: 45 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	2358 20.27
PSZ SZ EP	2358 28.01
MORH SZ EP	2358 37.18

**May 16 2013 Hour: 01:11:29.0 Lat: 0.03°N Lon: 100.41°E M: 4.7 Depth: 165 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	0123 30.00
PSZ SZ EP	0123 39.65
MORH SZ EP	0123 43.02

**May 16 2013 Hour: 03:34:17.0 Lat: 31.50°N Lon: 86.60°E M: 5.2 Depth: 25 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	0343 14.79
LTVH SZ EP	0343 19.50
PSZ SZ EP	0343 27.67
MORH SZ EP	0343 34.48
CSKK SZ EP	0343 36.13
TIH SZ EP	0343 38.50
BEHE SZ EP	0343 44.17
SOP SZ EP	0343 44.39

**May 16 2013 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	0605 46.30
PSZ SE ESg	0605 48.18

**May 16 2013 Hour: 18:27:09.0 Lat: 22.19°S Lon: 179.59°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 1845 49.70
LTVH SZ IP	D 1845 52.57
PSZ SZ EP	1845 52.90
TIH SZ EP	1845 55.22
CSKK SZ IP	1845 55.34
SOP SZ IP	D 1845 56.33
TENK SZ IP	D 1845 56.44
MORH SZ IP	D 1845 56.99

**May 17 2013 Hour: 04:23:21.3 Lat: 47.68°N Lon: 20.30°E M: 1.7 Depth: 16 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EPg	0423 29.05
PSZ SN ESg	0423 34.93

**May 17 2013 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	0604 03.83
MORH SN ESg	0604 09.87

**May 18 2013 Hour: 05:48:00.0 Lat: 37.75°N Lon: 141.47°E M: 6.1 Depth: 39 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 0559 58.57  
 LTVH SZ IP C 0600 03.55  
 PSZ SZ IP C 0600 06.23  
 CSKK SZ EP 0600 07.63  
 TIH SZ IP C 0600 14.53  
 SOP SZ IP C 0600 15.17  
 TENK SZ IP C 0600 15.17  
 BEHE SZ IP C 0600 18.49  
 TRPA SZ ES 0609 53.87  
 PSZ SN ES 0610 09.60  
 SOP SN ES 0610 24.88  
 TRPA SN ESS 0615 08.20  
 SOP SN ESS 0615 28.14

**May 18 2013 Hour: 10:03:16.2 Lat: 26.60°N Lon: 57.79°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 C 1010 08.87  
 LTVH SZ EP 1010 11.61  
 PSZ SZ EP C 1010 22.82  
 TIH SZ EP 1010 30.54  
 CSKK SZ EP 1010 32.42  
 TENK SZ EP 1010 34.18  
 BEHE SZ EP 1010 36.02  
 SOP SZ EP 1010 39.58  
 PSZ SE EPP 1011 46.40  
 TRPA SZ ES 1015 48.60  
 PSZ SE ES 1016 04.51  
 SOP SN ES 1016 35.13

**May 18 2013 Hour: 10:57:47.0 Lat: 26.50°N Lon: 57.71°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 C 1104 39.27  
 LTVH SZ EP C 1104 41.78  
 PSZ SZ EP C 1104 53.98  
 CSKK SZ EP 1105 01.28  
 TIH SZ EP 1105 02.24  
 TENK SZ EP C 1105 05.35  
 BEHE SZ EP C 1105 07.14  
 SOP SZ EP 1105 11.09  
 PSZ SZ EPP 1106 17.04  
 LTVH SZ EPP 1106 18.84  
 TENK SZ EPP 1106 32.10  
 TRPA SZ ES 1110 12.03  
 LTVH SN ES 1110 21.31  
 PSZ SN ES 1110 29.87  
 BEHE SN ES 1110 35.58  
 CSKK SN ES 1110 47.00  
 SOP SN ES 1111 04.12

**May 18 2013 Hour: 22:50:29.0 Lat: 51.39°N Lon: 16.28°E M: 3.4 Depth: 10 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2251 07.74  
LTVH SZ EP C 2251 13.21  
PSZ SZ EP 2251 13.94  
CSKK SZ EP 2251 19.95  
SOP SZ EP 2251 20.13  
CSKK SE Sn 2252 16.18  
SOP SN ESg 2252 28.09

**May 19 2013 Hour: 01:57:42.0 Lat: 43.06°N Lon: 18.75°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 EP 0158 37.42  
TIH SZ EP 0158 41.71  
CSKK SZ EPn 0158 50.78  
PSZ SZ EPn 0158 53.12  
BEHE SN Sn 0159 24.72  
CSKK SN Sn 0159 37.39  
PSZ SN Sn 0159 50.84

**May 19 2013 Hour: 06:24:06.5 Lat: 36.35°N Lon: 143.35°E M: 4.9 Depth: 12 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0636 20.43  
SOP SZ EP 0636 21.96  
CSKK SZ EP 0636 23.79  
PSZ SZ EP 0636 26.86

**May 19 2013 Hour: 09:07:27.0 Lat: 36.70°N Lon: 5.26°E M: 5.0 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0910 42.84  
SOP SZ EPn 0910 47.87  
PSZ SZ EPn 0911 06.38  
LTVH SZ EPn 0911 23.71  
TRPA SZ EPn 0911 26.79  
SOP SN Sn 0912 56.39  
LTVH SN Sn 0914 32.84  
TRPA SN Sn 0914 38.55

**May 19 2013 Hour: 17:44:44.3 Lat: 52.26°N Lon: 160.31°E M: 5.1 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1756 15.46  
LTVH SZ EP 1756 20.41  
PSZ SZ EP C 1756 21.42  
BEHE SZ EP 1756 26.39  
SOP SZ EP C 1756 27.52  
CSKK SZ EP 1756 27.78  
TIH SZ EP 1756 28.91  
BEHE SN ES 1806 29.56  
TIH SN ES 1807 17.24

**May 19 2013 Hour: 18:33:00.0 Lat: 52.27°N Lon: 160.21°E M: 4.7 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1844 28.83  
PSZ SZ EP 1844 33.85

SOP SZ EP	1844 41.68
CSKK SZ EP	1844 44.74

**May 19 2013 Hour: 18:44:10.9 Lat: 52.34°N Lon: 160.06°E M: 5.9 Depth: 18 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ IP	C 1855 43.35
LTVH SZ IP	C 1855 48.83
PSZ SZ IP	C 1855 48.83
CSKK SZ IP	C 1855 54.73
SOP SZ IP	C 1855 55.57
TIH SZ IP	C 1855 57.68
BEHE SZ IP	C 1856 01.05
TRPA SN ES	1905 14.16
LTVH SN ES	1905 24.71
PSZ SN ES	1905 33.01
CSKK SN ES	1905 36.78
TIH SZ ES	1905 40.55
BEHE SZ ES	1905 54.12

**May 19 2013 Hour: 19:21:26.0 Lat: 52.27°N Lon: 160.18°E M: 5.0 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1932 56.46
PSZ SZ EP	1933 01.53
BEHE SZ EP	1933 02.83
CSKK SZ EP	C 1933 07.29
SOP SZ EP	1933 08.13
TIH SZ EP	1933 10.01

**May 19 2013 Hour: 19:37:30.0 Lat: 52.35°N Lon: 160.23°E M: 4.9 Depth: 48 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1948 59.51
LTVH SZ EP	1949 06.90
CSKK SZ EP	1949 11.65

**May 19 2013 Hour: 19:43:20.0 Lat: 52.32°N Lon: 160.26°E M: 4.9 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1954 50.44
PSZ SZ EP	1954 55.43
CSKK SZ EP	1955 01.99
SOP SZ EP	1955 02.61

**May 19 2013 Hour: 19:51:26.0 Lat: 52.26°N Lon: 160.28°E M: 5.0 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	2003 01.86
PSZ SZ EP	2003 06.01
CSKK SZ EP	2003 08.40
SOP SZ EP	2003 09.32
TIH SN EP	2003 14.03
BEHE SZ EP	2003 15.44
LTVH SZ EP	C 2004 44.00
TIH SZ EP	2004 52.34

**May 19 2013 Hour: 19:53:09.4 Lat: 52.46°N Lon: 159.6°E M: 5.2 Depth: 3 3 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SN EP 2003 14.03  
BEHE SZ EP 2003 15.44  
TRPA SZ EP C 2004 38.28  
LTVH SZ EP C 2004 43.57  
PSZ SZ EP C 2004 44.11  
CSKK SZ EP 2004 49.75  
SOP SZ EP C 2004 50.47  
TIH SZ EP 2004 52.53

**May 19 2013 Hour: 20:20:12.0 Lat: 52.34°N Lon: 160.11°E M: 5.1 Depth: 44 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2031 41.60  
LTVH SZ EP 2031 47.11  
PSZ SZ EP 2031 47.28  
CSKK SZ EP C 2031 52.81  
SOP SZ EP 2031 53.65  
TIH SZ EP 2031 55.47

**May 19 2013 Hour: 21:05:16.0 Lat: 52.30°N Lon: 160.12°E M: 5.0 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 2116 46.28  
LTVH SZ EP C 2116 51.59  
PSZ SZ EP C 2116 52.19  
BEHE SZ EP 2116 53.31  
CSKK SZ EP C 2116 57.17  
SOP SZ EP C 2116 58.59  
TIH SZ EP 2117 00.89

**May 19 2013 Hour: 22:38:51.7 Lat: 52.40°N Lon: 160.08°E M: 5.3 Depth: 43 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 2250 20.68  
LTVH SZ EP 2250 24.87  
PSZ SZ EP C 2250 27.07  
CSKK SZ EP 2250 31.85  
SOP SZ EP 2250 31.85  
TIH SZ EP 2250 33.05  
BEHE SZ EP 2250 38.40

**May 19 2013 Hour: 22:40:27.4 Lat: 52.31°N Lon: 160.06°E M: 5.0 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 2250 20.68  
LTVH SZ EP 2250 24.87  
PSZ SZ EP C 2250 27.07  
CSKK SZ EP 2250 31.85  
SOP SZ EP 2250 31.85  
TIH SZ EP 2250 33.05  
BEHE SZ EP C 2250 38.24

**May 19 2013 Hour: 23:50:21.0 Lat: 52.79°N Lon: 159.00°E M: 5.1 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0001 46.00  
LTVH SZ EP D 0001 54.78

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PSZ	SZ	EP	0001	55.60
BEHE	SZ	EP	0001	56.82
TIH	SZ	EP	0002	00.50
CSKK	SZ	EP	0002	03.36
SOP	SZ	EP	0002	03.77

**May 19 2013 Hour: 23:51:33.8 Lat: 52.50°N Lon: 160.04°E M: 5.1 Depth: 35 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	IP	C	0003	03.12											
LTVH	SZ	IP	C	0003	08.87											
PSZ	SZ	IP	C	0003	08.87											
CSKK	SZ	EP		0003	14.43											
BEHE	SZ	EP		0003	14.96											
SOP	SZ	IP	C	0003	15.48											
TIH	SZ	IP		0003	17.22											

**May 19 2013 Hour: 23:58:13.0 Lat: 52.36°N Lon: 160.00°E M: 5.0 Depth: 35 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP		0009	42.12											
PSZ	SZ	EP		0009	47.96											
LTVH	SZ	EP		0009	47.96											
TIH	SZ	EP		0009	53.08											
BEHE	SZ	EP		0009	53.32											
CSKK	SZ	EP		0009	53.80											
SOP	SZ	EP		0009	54.75											

**May 20 2013 Hour: 00:13:17.3 Lat: 52.25°N Lon: 160.27°E M: 5.5 Depth: 35 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	IP	C	0024	47.82											
LTVH	SZ	IP	C	0024	53.52											
PSZ	SZ	IP	C	0024	53.52											
CSKK	SZ	EP		0024	59.23											
SOP	SZ	IP	C	0025	00.86											
TIH	SZ	IP	C	0025	01.88											
BEHE	SZ	IP	C	0025	06.36											
TRPA	SN	ES		0034	14.02											
SOP	SE	ES		0034	26.39											
LTVH	SN	ES		0034	30.25											
PSZ	SN	ES		0034	33.35											

**May 20 2013 Hour: 00:22:14.3 Lat: 52.41°N Lon: 160.00°E M: 4.8 Depth: 35 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
CSKK	SZ	EP		0033	36.97											
LTVH	SZ	EP		0033	38.84											
BEHE	SZ	EP	C	0033	40.52											
TRPA	SZ	EP		0033	42.20											
PSZ	SZ	EP		0033	49.66											
SOP	SZ	EP	C	0033	56.01											

**May 20 2013 Hour: 01:07:36.8 Lat: 52.31°N Lon: 160.25°E M: 5.1 Depth: 29 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	IP	C	0119	07.92											
PSZ	SZ	IP	C	0119	13.57											

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LTVH SZ IP	C 0119 13.57
CSKK SZ IP	0119 19.22
SOP SZ IP	C 0119 20.30
TIH SZ IP	C 0119 20.84
BEHE SZ IP	C 0119 25.95
TRPA SN ES	0128 37.60
SOP SN ES	0128 52.85
CSKK SN ES	0128 56.89
LTVH SN ES	0129 03.17

**May 20 2013 Hour: 04:41:55.0 Lat: 51.51°N Lon: 16.26°E M: 3.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EP	0443 02.44
SOP SZ EP	0443 08.36
TRPA SZ EP	0443 14.65
SOP SN ESg	0443 58.96
PSZ SN ESg	0444 16.24

**May 20 2013 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 21.75
TRPA SZ EPn	0649 29.77
PSZ SN Sn	D 0649 42.00
TRPA SN Sn	0650 00.08

**May 20 2013 Hour: 07:02:27.0 Lat: 26.70°N Lon: 57.46°E M: 4.6 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EP	0709 28.43
LTVH SZ EP	0709 30.06
PSZ SZ EP	C 0709 33.09
SOP SZ EP	0709 50.18

**May 20 2013 Hour: 09:24:04.0 Lat: 43.82°N Lon: 17.14°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	0924 46.61
TIH SZ EPn	0924 53.77
CSKK SZ EPn	0925 01.68
SOP SZ EPn	0925 04.32
PSZ SZ EPn	0925 12.52
BEHE SN EPn	0925 19.42
TRPA SZ EPn	0925 25.41
BEHE SN ESg	0925 31.50
LTVH SZ EPg	0925 37.16
TIH SN Sn	0925 46.88
CSKK SN Sn	0925 49.14
SOP SN Sn	0925 51.94
PSZ SN Sn	0926 12.88
LTVH SN EPn	0926 16.65
TRPA SN Sn	0926 27.57
PSZ SN ESg	0926 33.35
LTVH SN ESg	0926 47.66
LTVH SN Sn	0926 48.25

**May 20 2013 Hour: 13:57:02.0 Lat: 52.24°N Lon: 160.17°E M: 4.7 Depth: 8 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1408 33.11  
 PSZ SZ EP 1408 38.78  
 CSKK SZ EP 1408 39.83

**May 20 2013 Hour: 14:12:42.4 Lat: 52.29°N Lon: 160.50°E M: 4.8 Depth: 35 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1424 13.55  
 PSZ SZ EP 1424 18.97  
 SOP SZ EP C 1424 25.20

**May 20 2013 Hour: 17:18:11.0 Lat: 36.49°N Lon: 70.44°E M: 4.8 Depth: 207 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1724 59.87  
 PSZ SZ EP 1725 14.44

**May 20 2013 Hour: 18:08:48.0 Lat: 52.29°N Lon: 160.43°E M: 4.6 Depth: 35 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1820 19.23  
 PSZ SZ EP 1820 25.57  
 CSKK SZ EP 1820 29.88  
 BEHE SZ EP 1820 46.80

**May 20 2013 Hour: 20:13:54.8 Lat: 52.26°N Lon: 160.38°E M: 5.0 Depth: 35 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2025 26.02  
 PSZ SZ EP 2025 30.96  
 LTVH SZ EP 2025 30.96  
 CSKK SZ EP 2025 36.72  
 SOP SZ EP 2025 38.69  
 BEHE SZ EP 2025 43.44

**May 20 2013 Hour: 22:51:45.5 Lat: 52.36°N Lon: 160.26°E M: 5.4 Depth: 34 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2303 15.85  
 LTVH SZ EP C 2303 21.10  
 PSZ SZ EP C 2303 21.59  
 CSKK SZ EP 2303 28.31  
 SOP SZ EP C 2303 28.64  
 TIH SZ EP 2303 29.78  
 BEHE SZ EP C 2303 33.72

**May 20 2013 Hour: 23:01:25.0 Lat: 52.34°N Lon: 160.20°E M: 5.4 Depth: 20 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2312 57.47  
 LTVH SZ EP C 2313 02.34  
 PSZ SZ EP C 2313 03.70  
 CSKK SZ EP C 2313 08.39  
 SOP SZ EP C 2313 09.20  
 TIH SZ EP C 2313 11.91  
 BEHE SZ EP C 2313 15.83

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**May 20 2013 Hour: 23:07:35.0 Lat: 2.76°N Lon: 128.60°E M: 4.6 Depth: 236 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 2322 55.33  
SOP SZ EP 2323 04.64  
TRPA SZ EP 2323 11.63  
TIH SZ EP 2323 26.76  
BEHE SZ EP 2324 04.00

**May 21 2013 Hour: 01:55:08.4 Lat: 52.52°N Lon: 160.36°E M: 5.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0206 38.24  
LTVH SZ EP 0206 43.86  
PSZ SZ EP 0206 44.86  
CSKK SZ EP 0206 50.07  
SOP SZ EP 0206 50.27  
TIH SZ EP 0206 52.08  
BEHE SZ EP C 0206 55.29  
TRPA SN ES 0216 09.87  
LTVH SN ES 0216 26.17  
PSZ SN ES 0216 28.50  
CSKK SN ES 0216 28.97  
SOP SN ES 0216 31.77  
TIH SZ ES 0216 33.16

**May 21 2013 Hour: 02:02:44.7 Lat: 52.33°N Lon: 160.50°E M: 4.2 Depth: 38 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0214 14.46  
PSZ SZ EP 0214 20.36  
CSKK SZ EP 0214 25.28  
TRPA SN ES 0224 19.01  
PSZ SN ES 0224 19.01

**May 21 2013 Hour: 03:05:50.8 Lat: 52.40°N Lon: 160.29°E M: 5.8 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 0317 23.75  
LTVH SZ IP C 0317 29.59  
PSZ SZ IP C 0317 29.59  
CSKK SZ IP C 0317 35.28  
SOP SZ IP 0317 36.78  
TIH SZ IP C 0317 38.27  
BEHE SZ IP C 0317 42.02  
TRPA SN ES 0326 53.16  
PSZ SN ES 0327 04.61  
LTVH SN ES 0327 15.68  
SOP SN ES 0327 17.97  
CSKK SE ES 0327 19.50  
TIH SN ES 0327 21.79  
BEHE SN ES 0327 30.57

**May 21 2013 Hour: 03:08:17.0 Lat: 52.50°N Lon: 160.14°E M: 5.6 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0319 50.38  
LTVH SZ EP C 0319 55.79

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PSZ	SZ	EP	C 0319	56.00
CSKK	SZ	EP	0320	01.14
SOP	SZ	EP	C 0320	02.67
TIH	SZ	EP	C 0320	03.85
BEHE	SZ	EP	C 0320	08.08
TRPA	SN	ES	0326	53.16
PSZ	SN	ES	0327	04.61
LTVH	SN	ES	0327	15.68
SOP	SN	ES	0327	17.97
CSKK	SE	ES	0327	19.50
TIH	SN	ES	0327	21.79
BEHE	SN	ES	0327	30.57

**May 21 2013 Hour: 03:47:17.2 Lat: 52.28°N Lon: 160.33°E M: 4.9 Depth: 32 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TRPA	SZ	EP		0358	47.60												
PSZ	SZ	EP		0358	53.97												
SOP	SN	EP		0358	58.35												
CSKK	SZ	EP		0358	59.67												
SOP	SZ	EP		0358	59.93												

**May 21 2013 Hour: 04:59:35.2 Lat: 52.34°N Lon: 160.06°E M: 5.4 Depth: 18 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TRPA	SZ	IP		C 0511	07.14												
LTVH	SZ	IP		C 0511	12.49												
PSZ	SZ	IP		C 0511	13.11												
CSKK	SZ	EP		0511	19.08												
SOP	SZ	IP		C 0511	19.69												
TIH	SZ	IP		0511	21.96												
BEHE	SZ	IP		C 0511	25.46												
TRPA	SN	ES		0520	36.95												
SOP	SN	ES		0521	02.91												
LTVH	SN	ES		0521	08.91												
TIH	SN	ES		0521	15.56												
CSKK	SN	ES		0521	16.23												
BEHE	SN	ES		0521	33.54												

**May 21 2013 Hour: 05:43:21.0 Lat: 52.28°N Lon: 160.07°E M: 5.8 Depth: 30 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TRPA	SZ	IP		C 0554	51.56												
LTVH	SZ	IP		C 0554	56.59												
PSZ	SZ	IP		C 0554	57.05												
CSKK	SZ	EP		0555	02.69												
SOP	SZ	IP		C 0555	04.07												
TIH	SZ	IP		C 0555	05.74												
BEHE	SZ	IP		C 0555	09.55												
TRPA	SN	ES		0604	18.60												
PSZ	SN	ES		0604	36.37												
CSKK	SN	ES		0604	45.25												
SOP	SE	ES		0604	46.87												
LTVH	SN	ES		0604	52.52												
BEHE	SN	ES		0604	55.75												

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**May 21 2013 Hour: 07:02:24.1 Lat: 52.31°N Lon: 159.97°E M: 5.0 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 0713 54.30  
BEHE SZ EP 0713 58.03  
LTVH SZ EP 0713 59.75  
PSZ SZ EP 0713 59.90  
CSKK SZ EP 0714 06.12  
SOP SZ EP 0714 07.06  
TIH SZ EP 0714 08.61

**May 21 2013 Hour: 08:25:53.6 Lat: 23.38°N Lon: 123.68°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 0838 03.16  
LTVH SZ EP 0838 06.70  
PSZ SZ IP C 0838 12.28  
CSKK SZ EP 0838 17.68  
TIH SZ EP 0838 21.06  
SOP SZ IP C 0838 23.25  
BEHE SZ IP C 0838 25.61  
TRPA SN ES 0848 16.96  
PSZ SN ES 0848 35.02

**May 21 2013 Hour: 14:51:19.8 Lat: 52.60°N Lon: 160.64°E M: 5.3 Depth: 37 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1502 49.27  
PSZ SZ EP 1502 55.34  
LTVH SZ EP D 1502 55.34  
SOP SZ EP 1502 58.54  
CSKK SZ EP 1502 59.82  
TIH SZ EP 1503 03.97  
BEHE SZ EP 1503 08.77  
SOP SE ES 1512 29.67  
PSZ SE ES 1512 34.27  
BEHE SN ES 1512 58.58

**May 21 2013 Hour: 17:42:18.1 Lat: 52.32°N Lon: 159.97°E M: 4.9 Depth: 37 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1753 48.08  
LTVH SZ EP 1753 53.02  
PSZ SZ EP C 1753 54.08  
SOP SZ EP 1754 00.47  
TIH SZ EP 1754 02.01  
BEHE SZ EP 1754 03.18

**May 21 2013 Hour: 19:37:43.0 Lat: 52.34°N Lon: 159.67°E M: 4.8 Depth: 39 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 1949 12.05  
PSZ SZ EP C 1949 17.75  
CSKK SZ EP 1949 23.90  
SOP SZ EP 1949 24.35  
TIH SZ EP 1949 26.75  
LTVH SZ EP 1949 27.96  
BEHE SZ EP 1949 28.26

**May 21 2013 Hour: 22:55:02.0 Lat: 43.07°N Lon: 18.76°E M: 3.6 Depth: 3 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2255 59.60  
 TIH SZ EPn 2256 03.29  
 CSKK SZ EPn 2256 12.20  
 PSZ SZ EPn 2256 15.89  
 SOP SZ EPn 2256 17.49  
 TRPA SZ EPn 2256 27.87  
 BEHE SN Sn 2256 58.91  
 CSKK SN Sn 2256 59.22  
 SOP SN Sn 2257 13.36  
 PSZ SN Sn 2257 13.36  
 CSKK SN ESG 2257 26.41  
 TRPA SN Sn 2257 27.80

**May 21 2013 Hour: 23:40:44.0 Lat: 43.16°N Lon: 18.76°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 2341 39.78  
 BEHE SN Sn 2342 23.75  
 CSKK SN Sn 2342 39.48  
 SOP SN Sn 2342 50.32

**May 22 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn 0410 34.62  
 CSKK SZ EPn 0410 45.77  
 TIH SN Sn 0411 08.28  
 CSKK SN Sn 0411 21.23

**May 22 2013 Hour: 06:36:37.9 Lat: 53.00°N Lon: 159.90°E M: 4.9 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 0648 03.72  
 LTVH SZ IP 0648 08.86  
 PSZ SZ IP C 0648 09.55  
 SOP SZ EP 0648 13.66  
 CSKK SZ EP 0648 14.92  
 TIH SZ EP 0648 21.89  
 BEHE SZ EP 0648 22.69

**May 22 2013 Hour: 20:08:23.5 Lat: 52.30°N Lon: 160.25°E M: 4.8 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 2019 53.72  
 PSZ SZ IP C 2019 59.30  
 CSKK SZ EP 2020 04.50

**May 23 2013 Hour: 04:00:34.2 Lat: 34.15°N Lon: 25.07°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 EPn 0403 58.67  
 PSZ SZ EPn 0403 59.80  
 SOP SZ EP 0404 08.14

**May 23 2013 Hour: 14:09:06.0 Lat: 38.66°N Lon: 20.56°E M: 5.0 Depth: 7 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 1411 05.22  
CSKK SZ EPn 1411 15.12  
PSZ SZ EPn 1411 20.45  
TRPA SZ EPn 1411 21.46  
BEHE SZ ESg 1411 41.88  
BEHE SN Sn 1412 34.30  
CSKK SN Sn 1412 50.79  
SOP SN Sn 1413 00.69  
PSZ SN Sn 1413 03.99

**May 23 2013 Hour: 17:19:05.0 Lat: 23.00°S Lon: 177.23°W M: 6.6 Depth: 174 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP D 1738 28.60  
LTVH SZ IP D 1738 31.41  
PSZ SZ IP D 1738 32.21  
SOP SZ IP D 1738 32.41  
BEHE SZ IP D 1738 33.82  
TIH SZ IP D 1738 34.02  
CSKK SZ EP 1738 34.22

**May 23 2013 Hour: 18:43:53.0 Lat: 42.96°N Lon: 18.75°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 1844 51.29  
TIH SZ EPn 1844 54.76  
CSKK SZ EPn 1845 00.29  
LTVH SZ EPn 1845 06.29  
SOP SZ EPn 1845 06.75  
PSZ SZ EPn 1845 07.30  
TRPA SZ EPn 1845 19.21  
BEHE SN Sn 1845 36.23  
TIH SN Sn 1845 42.94  
CSKK SN Sn 1845 51.05  
PSZ SN Sn 1846 03.75  
SOP SN Sn 1846 04.67  
LTVH SE Sn 1846 05.06  
TRPA SN Sn 1846 22.44

**May 23 2013 Hour: 20:03:07.0 Lat: 36.40°N Lon: 3.43°E M: 4.3 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 2007 02.80

**May 23 2013 Hour: 21:07:46.4 Lat: 20.58°S Lon: 175.80°W M: 5.7 Depth: 150 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 2127 11.93  
LTVH SZ EP D 2127 12.60  
SOP SZ EP D 2127 14.29  
TIH SZ EP D 2127 14.96  
CSKK SZ EP 2127 15.24  
PSZ SZ EP D 2127 16.64  
BEHE SZ EP D 2127 20.02

**May 23 2013 Hour: 21:15:56.5 Lat: 20.53°S Lon: 175.80°W M: 5.0 Depth: 131 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2135 27.69  
 BEHE SZ EP 2135 29.11  
 PSZ SZ EP 2135 30.11  
 LTVH SZ EP 2135 30.11  
 CSKK SZ EP 2135 32.81  
 SOP SZ EP D 2135 33.66

**May 23 2013 Hour: 22:44:57.0 Lat: 27.22°N Lon: 53.59°E M: 5.2 Depth: 18 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2251 21.76  
 PSZ SZ EP 2251 33.78  
 CSKK SZ EP 2251 41.09  
 SOP SZ EP D 2251 50.78

**May 24 2013 Hour: 01:10:01.4 Lat: 54.48°S Lon: 158.94°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 0129 56.09  
 LTVH SZ EP 0129 57.61  
 PSZ SZ EP 0129 58.04  
 BEHE SZ EP 0129 58.69

**May 24 2013 Hour: 03:47:08.0 Lat: 40.19°N Lon: 121.06°W M: 5.7 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0359 42.67  
 CSKK SZ EP 0359 47.00  
 BEHE SZ EP 0359 48.39  
 TIH SZ EP 0359 48.70  
 PSZ SZ EP 0359 48.70  
 TRPA SZ EP 0359 49.78  
 LTVH SZ EP 0359 55.96

**May 24 2013 Hour: 05:44:49.0 Lat: 54.98°N Lon: 153.33°E M: 7.5 Depth: 598 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPP D 0554 56.88  
 LTVH SZ EPP 0555 01.81  
 PSZ SZ EPP 0555 04.27  
 CSKK SZ EPP 0555 09.69  
 SOP SZ EPP 0555 11.17  
 TIH SZ EPP 0555 12.64  
 BEHE SZ EPP 0555 15.60  
 TRPA SZ EP 0557 05.49  
 PSZ SZ EP 0557 17.60  
 LTVH SZ EP 0557 18.15  
 SOP SZ EP 0557 22.55  
 TIH SZ EP 0557 23.65  
 BEHE SZ EP 0557 26.40  
 LTVH SN ES 0603 16.24  
 PSZ SN ES 0603 21.11  
 TRPA SN ES 0603 21.93  
 TIH SN ES 0603 37.35  
 SOP SN ES 0603 42.23  
 CSKK SN ES 0603 50.35

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BEHE SN ES	0603 55.22
TRPA SN ESS	0607 13.35
TIH SN ESS	0607 23.10
PSZ SE ESS	0607 23.91
BEHE SE ESS	0607 25.53
SOP SE ESS	0607 28.78

**May 24 2013 Hour: 07:48:10.0 Lat: 52.16°N Lon: 160.52°E M: 4.6 Depth: 33 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0759 41.24  
PSZ SZ EP 0759 44.39

**May 24 2013 Hour: 08:33:18.0 Lat: 37.71°N Lon: 141.52°E M: 4.9 Depth: 48 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0845 15.91  
PSZ SZ EP 0845 23.59

**May 24 2013 Hour: 11:10:48.5 Lat: 24.33°S Lon: 174.92°W 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 1130 40.54  
PSZ SZ EP 1130 45.37  
CSKK SZ EP 1131 00.84

**May 24 2013 Hour: 14:56:31.4 Lat: 52.24°N Lon: 151.44°E M: 6.7 Depth: 624 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP D 1506 47.99  
LTVH SZ IP D 1506 53.22  
PSZ SZ IP D 1506 54.10  
CSKK SZ IP D 1506 59.75  
SOP SZ IP D 1507 01.88  
TIH SZ IP D 1507 02.64  
BEHE SZ IP D 1507 06.78  
TRPA SZ EPP 1508 54.63  
PSZ SZ EPP 1509 00.83  
LTVH SZ EPP 1509 01.92  
TIH SZ EPP 1509 09.21  
SOP SZ EPP 1509 09.93  
CSKK SZ EPP 1509 11.76  
BEHE SZ EPP 1509 13.58  
TRPA SZ IS 1515 11.72  
LTVH SN IS 1515 24.89  
PSZ SE IS 1515 25.40  
CSKK SE IS 1515 39.58  
SOP SN IS 1515 41.10  
TIH SN IS 1515 42.11  
BEHE SN IS 1515 50.72

**May 24 2013 Hour: 17:52:28.5 Lat: 12.44°S Lon: 14.81°W M: 5.2 Depth: 7 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 1803 16.37  
PSZ SZ EP 1803 25.15  
CSKK SZ EP 1803 26.17  
TRPA SZ EP 1803 39.04

**May 24 2013 Hour: 22:18:34.0 Lat: 40.91°N Lon: 69.17°E M: 5.3 Depth: 19 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2225 12.75  
 LTVH SZ EP C 2225 18.19  
 BEHE SZ EP 2225 28.19  
 PSZ SZ EP 2225 28.19  
 CSKK SZ EP 2225 39.28  
 SOP SZ EP 2225 47.55  
 TRPA SZ EPP 2226 22.89  
 PSZ SZ EPP 2226 36.67  
 SOP SZ EPP 2227 12.31  
 PSZ SZ ES 2231 05.51

**May 24 2013 Hour: 23:09:07.2 Lat: 52.49°N Lon: 160.01°E M: 4.9 Depth: 33 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2320 36.16  
 TIH SZ EP 2320 41.94  
 PSZ SZ EP 2320 41.94  
 CSKK SZ EP 2320 47.71

**May 25 2013 Hour: 01:46:30.0 Lat: 18.93°S Lon: 177.91°W M: 4.9 Depth: 517 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0205 12.13  
 LTVH SZ EP 0205 15.18  
 SOP SZ EP C 0205 15.32

**May 25 2013 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 0802 49.74  
 MORH SN Sn 0803 05.28

**May 25 2013 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 1051 58.61  
 MORH SN Esg 1052 13.42  
 BEHE SN Sn 1052 21.92

**May 25 2013 Hour: 20:18:32.0 Lat: 43.01°N Lon: 18.74°E M: 2.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2019 21.41  
 MORH SN Sn 2019 59.56

**May 25 2013 Hour: 23:26:02.0 Lat: 43.20°N Lon: 12.81°E M: 3.6 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2327 16.52  
 TIH SZ EPn 2327 18.01  
 SOP SZ EPn C 2327 18.03  
 CSKK SZ EPn 2327 27.63  
 PSZ SZ EPn 2327 42.14  
 MORH SN Sn 2328 11.02  
 SOP SN Sn 2328 14.31  
 TIH SN Sn 2328 15.29

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CSKK	SN	Sn	2328	27.78
PSZ	SN	Sn	2328	52.76

**May 26 2013 Hour: 00:23:43.0 Lat: 41.06°N Lon: 21.18°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	EP		0025	03.72											
CSKK	SZ	EP		0025	21.95											
PSZ	SZ	EP		0025	25.25											
MORH	SN	Sn		0026	08.69											
CSKK	SN	Sn		0026	38.19											
PSZ	SN	Sn		0026	45.75											

**May 26 2013 Hour: 02:33:17.0 Lat: 41.09°N Lon: 21.19°E M: 3.1 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	Sn		0234	38.47											
MORH	SZ	EPn		0234	38.54											
LTVH	SZ	EPn		0234	51.50											
PSZ	SZ	EPn		0234	58.85											
MORH	SN	Sn		0235	38.67											
LTVH	SN	Sn		0236	02.61											
CSKK	SN	Sn		0236	10.91											
PSZ	SN	Sn		0236	18.97											

**May 26 2013 Hour: 02:50:14.0 Lat: 41.90°N Lon: 21.22°E M: 2.8 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
MORH	SZ	EP		0251	21.33											
PSZ	SZ	EP		0251	21.41											
TRPA	SZ	EP		0251	22.23											

**May 26 2013 Hour: 06:08:16.0 Lat: 39.96°N Lon: 67.31°E M: 6.2 Depth: 18 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	IP	C	0614	49.76											
LTVH	SZ	IP	C	0614	54.53											
PSZ	SZ	IP	C	0615	05.33											
MORH	SZ	IP	C	0615	12.95											
TIH	SZ	IP		0615	17.72											
SOP	SZ	IP	C	0615	24.23											
BEHE	SZ	IP	C	0615	24.55											
TRPA	SZ	EPP		0615	59.75											
LTVH	SZ	EPP		0615	59.96											
PSZ	SZ	EPP		0616	19.19											
CSKK	SZ	EPP		0616	34.25											
MORH	SZ	EPP		0616	35.08											
TIH	SZ	EPP		0616	38.22											
SOP	SZ	EPP		0616	48.46											
BEHE	SZ	EPP		0616	50.97											
TRPA	SN	ESS		0620	09.63											
LTVH	SN	ESS		0620	19.86											
PSZ	SE	ESS		0620	39.68											
MORH	SN	ESS		0620	51.83											
LTVH	SN	IS		0622	11.11											
PSZ	SN	IS		0622	24.53											
TRPA	SN	IS		0622	29.01											

MORH SN IS	0623 25.91
TIH SN IS	0623 31.03
SOP SN IS	0623 52.76

**May 26 2013 Hour: 16:00:55.0 Lat: 36.74°N Lon: 5.18°E 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 EPn	D 1604 10.95
MORH SZ EPn	1604 11.73
SOP SZ EPn	1604 15.65
CSKK SZ EPn	1604 21.13
PSZ SZ EPn	1604 37.04
PSZ SZ IP	C 1604 40.70
LTVH SZ EPn	1604 46.43
TRPA SZ EPn	1604 55.30

**May 26 2013 Hour: 19:50:23.0 Lat: 41.21°N Lon: 20.04°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	1951 41.06
BEHE SZ EPn	1951 50.64
CSKK SZ EPn	1952 00.37
PSZ SZ EPn	1952 03.33
TRPA SZ EPn	1952 07.98
MORH SN Sn	1952 40.50
CSKK SN Sn	1953 16.22
PSZ SN Sn	1953 21.28

**May 26 2013 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	2353 51.41
MORH SZ EPg	2353 58.26
PSZ SZ EPn	2354 18.64
MORH SN Sn	2354 25.26

**May 27 2013 Hour: 03:36:30.0 Lat: 14.55°N Lon: 53.89°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	0344 24.53
LTVH SZ EP	0344 26.07
MORH SZ EP	0344 30.57
PSZ SZ EP	0344 31.12
CSKK SZ EP	0344 39.55
TIH SZ EP	0344 40.82
SOP SZ EP	0344 44.19
BEHE SZ EP	0344 47.14
LTVH SZ EPP	0346 08.11
TRPA SZ EPP	0346 09.27
MORH SZ EPP	0346 13.51
PSZ SZ EPP	0346 15.06
TIH SZ EPP	0346 22.01
BEHE SZ EPP	0346 32.43
SOP SZ EPP	0346 34.74
LTVH SN ES	0350 45.36
TRPA SE ES	0350 46.99
MORH SN ES	0350 59.98

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PSZ SN ES	0351 01.60
CSKK SN ES	0351 11.34
TIH SN ES	0351 17.84
SOP SN ES	0351 26.50

**May 27 2013 Hour: 16:35:12.0 Lat: 43.16°N Lon: 18.93°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 EPn 1636 00.26  
MORH SN Sn 1636 38.30

**May 27 2013 Hour: 17:13:31.0 Lat: 52.41°N Lon: 160.54°E M: 4.6 Depth: 39 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1725 01.21  
PSZ SZ EP 1725 06.92  
CSKK SZ EP 1725 12.47

**May 27 2013 Hour: 20:22:04.0 Lat: 52.23°N Lon: 160.25°E M: 5.3 Depth: 13 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 2033 34.13  
LTVH SZ IP C 2033 39.32  
PSZ SZ IP C 2033 39.59  
CSKK SZ EP 2033 45.31  
SOP SZ IP C 2033 45.84  
TIH SZ IP C 2033 48.10  
MORH SZ IP C 2033 48.37  
BEHE SZ EP 2033 51.82  
SOP SN ES 2043 32.24

**May 27 2013 Hour: 21:35:16.0 Lat: 51.52°N Lon: 16.12°E M: 3.8 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 2136 14.84  
PSZ SZ EPn 2136 23.55  
CSKK SZ EPn 2136 23.77  
SOP SZ EPg 2136 29.13  
TIH SZ EPn 2136 29.25  
BEHE SZ EPn 2136 37.09  
TRPA SZ EPn 2136 37.80  
MORH SZ EPn 2136 39.44  
LTVH SZ EPn 2136 42.67  
TRPA SZ EPg 2136 58.24  
SOP SN ESg 2137 19.92  
TRPA SN Sn 2137 33.33  
PSZ SN ESg 2137 39.69  
BEHE SN ESg 2138 02.73

**May 28 2013 Hour: 00:09:52.5 Lat: 43.25°N Lon: 41.66°E M: 5.4 Depth: 5 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0013 10.46  
LTVH SZ EP 0013 20.02  
PSZ SZ EP 0013 34.91  
MORH SZ EP 0013 45.58  
CSKK SZ EP 0013 54.03  
TIH SZ EP D 0013 54.25

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BEHE SZ EP	D 0014 03.59
SOP SZ EP	0014 06.48
MORH SN ES	0016 57.74
CSKK SE ES	0017 12.88
TIH SN ES	0017 14.40
SOP SN ES	0017 39.85

**May 28 2013 Hour: 08:45:53.0 Lat: 21.40°S Lon: 177.82°W M: 5.0 Depth: 406 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0904 52.77  
 PSZ SZ EP C 0904 56.38  
 MORH SZ EP D 0904 58.62  
 CSKK SZ EP 0905 00.10

**May 28 2013 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 1030 35.72  
 PSZ SN ESG 1030 43.72

**May 28 2013 Hour: 16:25:33.4 Lat: 53.49°N Lon: 159.74°E M: 5.4 Depth: 74 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1636 51.92  
 PSZ SZ EP D 1636 56.12  
 MORH SZ EP 1637 08.28

**May 28 2013 Hour: 19:24:24.6 Lat: 34.17°N Lon: 140.74°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 C 1936 04.54  
 PSZ SZ EP C 1936 10.02  
 CSKK SZ EP 1936 15.34

**May 28 2013 Hour: 19:37:17.0 Lat: 52.39°N Lon: 160.01°E M: 5.0 Depth: 60 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1948 44.27  
 LTVH SZ EP 1948 49.52  
 PSZ SZ EP 1948 49.89  
 CSKK SZ EP 1948 55.56  
 MORH SZ EP 1948 58.68

**May 28 2013 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 D 2346 54.78  
 PSZ SZ E 2346 54.99  
 PSZ SN ESG 2346 57.44  
 PSZ SN E C 2346 57.71  
 PSZ SN E C 2347 01.10

**May 29 2013 Hour: 13:31:24.0 Lat: 45.51°N Lon: 15.61°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 EPg 1331 46.46  
 BEHE SZ EPn 1331 48.56  
 TIH SZ EPn 1331 55.35  
 SOP SZ EPn 1332 00.04

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BEHE	SN	Sn	1332	03.63
CSKK	SZ	EPn	1332	07.54
CSKK	SZ	EPg	1332	13.63
PSZ	SZ	EPn	1332	25.98
TIH	SN	Sn	1332	27.94
PSZ	SZ	EPg	1332	32.15
SOP	SE	ESg	1332	36.26
CSKK	SN	ESg	1332	46.25
PSZ	SN	Sn	1333	07.08

**May 29 2013 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		1348	46.92												
SOP	SZ	EPn		1349	02.13												
BEHE	SN	ESg		1349	06.14												

**May 29 2013 Hour: 22:47:42.0 Lat: 43.13°N Lon: 18.82°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	C	2248	40.17												
BEHE	SZ	EP	C	2248	40.52												
TIH	SZ	EPn	D	2248	42.18												
CSKK	SZ	EPn		2248	49.17												
PSZ	SN	EPn		2248	54.72												
PSZ	SZ	EPn		2248	55.21												
SOP	SZ	EPn		2248	55.65												
BEHE	SN	Sn		2249	23.06												
TIH	SN	EPn		2249	25.47												
CSKK	SN	Sn		2249	38.66												
PSZ	SE	Sn		2249	48.88												
TIH	SN	ESg		2249	49.52												
SOP	SN	Sn		2249	51.93												

**May 30 2013 Hour: 02:24:17.0 Lat: 17.70°N Lon: 120.86°E M: 5.3 Depth: 20 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TRPA	SZ	EP	D	0236	37.24												
PSZ	SZ	EP	D	0236	45.74												
LTVH	SZ	EP		0236	45.88												
CSKK	SZ	EP		0236	53.23												
TIH	SZ	EP		0236	53.80												
SOP	SZ	EP	D	0236	56.83												
BEHE	SZ	EP	D	0236	58.70												

**May 30 2013 Hour: 18:36:59.8 Lat: 3.95°S Lon: 99.49°E M: 5.3 Depth: 20 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TRPA	SZ	EP	D	1849	30.59												
LTVH	SZ	EP	D	1849	32.52												
PSZ	SZ	EP	D	1849	39.21												
CSKK	SZ	EP		1849	44.44												
BEHE	SZ	EP	D	1849	48.32												

**May 31 2013 Hour: 01:46:03.2 Lat: 39.81°N Lon: 143.57°E M: 4.1 Depth: 25 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TRPA	SZ	EP	C	0157	59.19												

PSZ SZ EP C 0158 06.94  
 SOP SZ EP C 0158 15.28

**May 31 2013 Hour: 05:20:03.0 Lat: 26.63°N Lon: 57.66°E M: 4.6 Depth: 14 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0527 08.00  
 TIH SZ EP 0527 15.82  
 BEHE SZ EP C 0527 21.07  
 SOP SZ EP 0527 25.45

**May 31 2013 Hour: 13:32:20.8 Lat: 32.34°N Lon: 176.80°E M: 5.8 Depth: 33 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1345 38.27  
 LTVH SZ EP 1345 43.12  
 PSZ SZ EP D 1345 44.98  
 CSKK SZ EP 1345 49.75  
 SOP SZ EP D 1345 51.62

**June 01 2013 Hour: 00:51:54.0 Lat: 43.80°N Lon: 15.82°E M: 2.5 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0052 39.09  
 TIH SZ EPn 0052 47.75  
 SOP SZ EPn 0052 54.36  
 CSKK SZ EPn 0052 56.12  
 BEHE SN Sn D 0053 13.06  
 TIH SN Sn 0053 29.61  
 CSKK SN Sn 0053 40.38  
 SOP SE Sn 0053 40.58

**June 01 2013 Hour: 01:34:14.0 Lat: 23.06°S Lon: 177.14°W M: 5.5 Depth: 180 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0153 44.26  
 LTVH SZ EP D 0153 46.93  
 PSZ SZ EP D 0153 47.09  
 BEHE SZ EP 0153 47.96  
 CSKK SZ EP 0153 49.34  
 TIH SZ EP D 0153 50.28  
 SOP SZ EP D 0153 50.28  
 TENK SZ EP D 0153 50.80

**June 01 2013 Hour: 17:43:52.0 Lat: 7.01°S Lon: 155.90°E M: 5.6 Depth: 69 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1751 40.83  
 LTVH SZ EP D 1751 42.92  
 PSZ SZ EP D 1751 44.08  
 CSKK SZ EP 1751 45.67  
 TENK SZ EP 1751 47.33  
 TIH SZ EP 1751 47.35  
 SOP SZ EP D 1751 47.94  
 BEHE SZ EP D 1751 49.15

**June 01 2013 Hour: 23:03:41.0 Lat: 40.19°N Lon: 21.70°E M: 4.0 Depth: 5 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

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LTVH SZ EPn		2305 28.15
TIH SZ EPn		2305 30.11
BEHE SZ EPn		2305 32.70
CSKK SZ EPn		2305 34.60
PSZ SZ EPn	C	2305 36.81
TRPA SZ EPn		2305 38.85
SOP SZ EPn		2305 47.30
CSKK SN Sn		2306 56.13
PSZ SN Sn		2307 02.77

**June 02 2013 Hour: 00:58:49.0 Lat: 6.71°S Lon: 154.65°E M: 4.8 Depth: 40 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	D	0114 10.90
LTVH SZ EP	D	0114 13.28
PSZ SZ EP	D	0114 14.06
SOP SZ EP	D	0114 17.44

**June 02 2013 Hour: 02:47:57.0 Lat: 34.95°N Lon: 19.40°E M: 4.5 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
BEHE SZ EPn		0250 42.64
TIH SZ EPn		0250 47.50
SOP SZ EPn		0251 00.96
PSZ SZ EPn		0251 01.69
TRPA SZ EPn		0251 07.23
BEHE SN Sn		0252 46.79
TIH SN Sn		0252 56.46
LTVH SN Sn		0253 10.08
SOP SN Sn		0253 15.63
PSZ SN Sn		0253 16.68
TRPA SN Sn		0253 29.50

**June 02 2013 Hour: 05:39:32.0 Lat: 45.06°N Lon: 18.62°E M: 2.6 Depth: 2 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TIH SZ EPn		0540 02.10
BEHE SZ EPn		0540 05.33
CSKK SZ EPn		0540 11.50
PSZ SZ EPn		0540 12.68
SOP SZ EPn		0540 13.12
LTVH SZ EPn		0540 23.13
TIH SN Sn		0540 23.79
BEHE SN Sn		0540 26.52
CSKK SN Sn		0540 36.06
PSZ SN Sn		0540 44.99

**June 02 2013 Hour: 05:43:04.0 Lat: 23.79°N Lon: 121.08°E M: 6.2 Depth: 20 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	C	0555 01.46
LTVH SZ EP		0555 05.07
PSZ SZ EP	C	0555 11.46
TENK SZ EP	D	0555 11.64
CSKK SZ EP		0555 17.55
TIH SZ EP	C	0555 20.50
SOP SZ EP		0555 22.26

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BEHE SZ EP	C	0555	25.10
TRPA SZ EPP		0557	57.06
LTVH SZ EPP		0558	02.48
PSZ SZ EPP		0558	10.82
CSKK SZ EPP		0558	19.58
TENK SZ EPP		0558	24.16
TIH SZ EPP		0558	24.58
SOP SZ EPP		0558	25.00
BEHE SZ EPP		0558	35.84
TRPA SN ES		0604	50.52
LTVH SE ES		0605	10.21
PSZ SN ES		0605	17.92
CSKK SN ES		0605	30.76
TIH SZ ES		0605	34.19
BEHE SN ES		0605	40.18
SOP SN ES		0605	41.04
TENK SN ES		0605	47.89
TRPA SN ESS		0610	00.48
LTVH SN ESS		0610	13.33
PSZ SN ESS		0610	21.03
TIH SZ ESS		0610	56.14
SOP SN ESS		0610	56.99
BEHE SN ESS		0610	57.85

**June 02 2013 Hour: 09:51:42.0 Lat: 47.61°N Lon: 14.36°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 EPn 0952 10.48
SOP SZ EPg 0952 11.45
SOP SN Sn 0952 31.61

**June 02 2013 Hour: 14:15:17.0 Lat: 50.10°N Lon: 18.40°E M: 3.7 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPn 1415 57.45
SOP SZ EPn 1416 01.37
CSKK SZ EPn 1416 02.26
TIH SZ EPn 1416 08.72
TRPA SZ EPn 1416 12.83
BEHE SZ EPn 1416 16.09
PSZ SN Sn 1416 26.74
SOP SN Sn 1416 33.27
CSKK SN Sn 1416 34.91
TIH SN Sn 1416 46.62
TRPA SN Sn 1416 52.07
BEHE SN Sn 1417 00.47
TRPA SN ESG 1417 05.80

**June 03 2013 Hour: 06:11:34.0 Lat: 45.31°N Lon: 151.09°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 C 0623 20.53
PSZ SZ EP C 0623 27.25
CSKK SZ EP 0623 32.56
TIH SZ EP 0623 33.19
SOP SZ EP 0623 35.10

**June 03 2013 Hour: 20:27:20.0 Lat: 45.29°N Lon: 151.08°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 2039 07.38  
PSZ SZ EP C 2039 13.51  
TENK SZ EP 2039 21.68  
SOP SZ EP 2039 21.80  
BEHE SZ EP 2039 26.08

**June 03 2013 Hour: 22:34:14.0 Lat: 47.01°N Lon: 25.37°E M: 2.7 Depth: 3 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPn 2234 51.67  
TRPA SN Sn 2235 24.47

**June 04 2013 Hour: 01:56:55.0 Lat: 38.00°N Lon: 24.00°E M: 4.4 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 0159 21.19  
TRPA SZ EPn 0159 23.75

**June 04 2013 Hour: 02:23:00.0 Lat: 45.52°N Lon: 150.93°E M: 5.3 Depth: 34 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 0234 46.35  
TIH SZ EP 0234 48.15  
PSZ SZ IP C 0234 52.52  
CSKK SZ EP 0234 58.45  
SOP SZ IP C 0235 00.53  
TENK SZ IP 0235 01.53  
BEHE SZ IP C 0235 05.21

**June 04 2013 Hour: 04:57:56.0 Lat: 45.24°N Lon: 151.12°E M: 4.8 Depth: 55 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0509 41.42  
PSZ SZ EP C 0509 47.88  
CSKK SZ EP 0509 55.02

**June 04 2013 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 0521 20.09  
CSKK SN ESg 0521 21.77

**June 04 2013 Hour: 07:12:21.0 Lat: 45.33°N Lon: 151.13°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 0724 12.55  
TIH SZ EP 0724 16.18  
PSZ SZ EP C 0724 18.67  
CSKK SZ EP 0724 24.11  
SOP SZ EP C 0724 26.61  
TENK SZ EP 0724 28.42  
BEHE SZ EP 0724 31.14

**June 04 2013 Hour: 08:33:20.0 Lat: 37.17°N Lon: 141.44°E M: 5.0 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0845 21.75

PSZ SZ EP C 0845 29.49

**June 04 2013 Hour: 11:01:57.0 Lat: 45.40°N Lon: 151.00°E M: 5.5 Depth: 30 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 1111 57.86  
 PSZ SZ IP C 1112 04.42  
 CSKK SZ EP 1112 10.19  
 SOP SZ IP C 1112 12.19  
 TIH SZ EP 1112 12.27  
 TENK SZ IP C 1112 13.01  
 BEHE SZ IP C 1112 16.85

**June 04 2013 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 1208 51.06  
 CSKK SN ESg 1208 53.75

**June 04 2013 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 1246 01.10  
 PSZ SN ESg 1246 06.41

**June 04 2013 Hour: 17:34:48.0 Lat: 32.65°N Lon: 76.59°E M: 5.0 Depth: 20 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1742 47.33

**June 05 2013 Hour: 00:43:37.0 Lat: 37.71°N Lon: 95.93°E M: 5. Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0052 53.09  
 PSZ SZ EP C 0053 06.62  
 CSKK SZ EP 0053 14.79  
 TIH SZ EP 0053 17.47  
 TENK SZ EP C 0053 20.15  
 SOP SZ EP C 0053 22.03  
 BEHE SZ EP C 0053 24.17

**June 05 2013 Hour: 02:26:24.0 Lat: 42.96°N Lon: 18.75°E M: 2.9 Depth: 5 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn 0227 25.96  
 PSZ SZ EPn 0227 39.06  
 PSZ SN Sn 0228 34.37

**June 05 2013 Hour: 03:23:33.0 Lat: 23.39°S Lon: 179.73°W M: 5.2 Depth: 563 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0342 18.56  
 PSZ SZ EP 0342 22.19  
 SOP SZ EP 0342 26.03

**June 05 2013 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 10.36  
 CSKK SN ESg 0600 13.17  
 TIH SZ ESg 0600 23.80

**June 05 2013 Hour: 09:14:53.0 Lat: 8.15°S Lon: 74.41°W M: 5.3 Depth: 142 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP C 0928 11.32  
TIH SZ EP 0928 15.21  
CSKK SZ EP 0928 15.60  
PSZ SZ EP 0928 19.24

**June 05 2013 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 1456 17.87  
PSZ SN ESG 1456 23.42

**June 05 2013 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 2011 49.63  
PSZ SN ESG 2011 55.84

**June 06 2013 Hour: 03:28:56.0 Lat: 35.55°N Lon: 140.61°E M: 5.0 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0341 01.44  
PSZ SZ EP C 0341 09.23  
TIH SZ EP 0341 14.55  
SOP SZ EP C 0341 18.54

**June 06 2013 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 20.12  
PSZ SN ESG 0930 24.97

**June 06 2013 Hour: 10:21:15.0 Lat: 47.90°N Lon: 20.09°E M: 0.0 Depth: 0 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 1021 17.37  
PSZ SN ESG 1021 19.85

**June 06 2013 Hour: 11:53:46.0 Lat: 36.71°N Lon: 21.75°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 EPn D 1156 11.10  
TIH SZ EPn 1156 13.39  
CSKK SZ EPn 1156 18.61  
TENK SZ EPn 1156 18.69  
PSZ SZ EPn D 1156 23.83  
TRPA SZ EPn 1156 25.97  
SOP SZ EPn 1156 26.76  
BEHE SN Sn 1158 04.02  
TIH SZ Sn 1158 11.82  
CSKK SN Sn 1158 19.23  
PSZ SN Sn 1158 25.48  
SOP SN Sn 1158 32.29

**June 06 2013 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 2017 32.76

PSZ SN ESg 2017 38.31

**June 06 2013 Hour: 23:12:03.0 Lat: 50.10°N Lon: 18.42°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 2312 43.43  
 SOP SZ EPn 2312 48.24  
 PSZ SZ EPg 2312 49.02  
 CSKK SZ EPn 2312 50.20  
 CSKK SZ EPg 2312 54.23  
 TRPA SZ EPn 2312 56.21  
 BEHE SZ EPn 2312 57.11  
 TRPA SZ EPg 2313 07.23  
 PSZ SN Sn 2313 17.56  
 CSKK SN Sn 2313 21.77  
 SOP SN Sn 2313 23.27  
 TRPA SN Sn 2313 30.79  
 BEHE SN Sn 2313 41.76

**June 06 2013 Hour: 23:30:18.0 Lat: 43.85°N Lon: 17.17°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 2331 01.34  
 TIH SZ EPn 2331 08.14  
 BEHE SZ EPg D 2331 11.75  
 CSKK SZ EPn 2331 15.15  
 PSZ SZ EPn 2331 26.41  
 BEHE SN Sn 2331 36.08  
 TIH SN Sn 2331 44.90  
 CSKK SN ESg 2332 15.69  
 PSZ SN Sn 2332 21.85

**June 07 2013 Hour: 12:54:11.0 Lat: 23.94°S Lon: 179.04°E M: 5.9 Depth: 570 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1312 54.91  
 TIH SZ EP 1312 55.62  
 TRPA SZ EP 1312 56.86  
 SOP SZ EP 1312 57.98  
 CSKK SZ EP 1313 04.15  
 TENK SZ EP 1313 05.31  
 BEHE SZ EP D 1313 07.38

**June 07 2013 Hour: 16:38:04.0 Lat: 24.08°N Lon: 122.57°E M: 5.7 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1650 04.66  
 PSZ SZ EP D 1650 13.48  
 TENK SZ EP 1650 20.09  
 TIH SZ EP 1650 21.49  
 SOP SZ EP D 1650 25.20  
 CSKK SZ EP 1650 26.94  
 BEHE SZ EP 1650 27.29  
 TRPA SZ EPP D 1653 08.90  
 PSZ SZ EPP 1653 20.94  
 SOP SE EPP 1653 37.99  
 TRPA SN ES 1700 03.78

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PSZ SN ES        1700 13.81

**June 07 2013 Hour: 19:20:46.0 Lat: 45.06°N Lon: 23.17°E M: 2.9 Depth: 2 km**

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

PSZ SZ EPn        1921 43.68

TRPA SZ EPg        1921 44.45

TRPA SN EPn        1922 12.10

PSZ SN Sn        1922 23.70

TRPA SN Sn        1922 25.18

TRPA SN ESG        D 1922 27.51

**June 07 2013 Hour: 20:13:15.0 Lat: 43.68°S Lon: 16.27°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 2026 36.11

TIH SZ EP        C 2026 38.94

TENK SZ EP        2026 39.11

SOP SZ EP        C 2026 40.35

CSKK SZ EP        2026 41.24

PSZ SZ EP        C 2026 44.95

TRPA SZ EP        D 2026 47.25

BEHE SZ EPP        2030 30.56

TIH SZ EPP        2030 31.12

TENK SZ EPP        2030 32.80

SOP SZ EPP        2030 34.48

PSZ SZ EPP        2030 40.63

TRPA SZ EPP        2030 50.13

**June 07 2013 Hour: 23:57:25.0 Lat: 21.28°S Lon: 178.74°W M: 4.9 Depth: 562 km**

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

TRPA SZ EP        D 0016 07.87

PSZ SZ EP        0016 11.04

CSKK SZ EP        C 0016 13.63

SOP SZ EP        0016 14.35

TENK SZ EP        0016 14.49

TIH SZ EP        C 0016 14.92

BEHE SZ EP        C 0016 16.65

**June 08 2013 Hour: 02:12:01.0 Lat: 10.61°N Lon: 126.87°E M: 5.2 Depth: 60 km**

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

TRPA SZ EP        D 0225 00.69

PSZ SZ EP        D 0225 08.77

CSKK SZ EP        0225 15.21

TIH SZ EP        D 0225 16.27

TENK SZ EP        D 0225 18.00

SOP SZ EP        D 0225 18.85

BEHE SZ EP        D 0225 21.08

**June 08 2013 Hour: 03:14:23.0 Lat: 18.96°S Lon: 69.38°W M: 3.0 Depth: 106 km**

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

TIH SZ EP        D 0328 07.43

CSKK SZ EP        0328 10.51

PSZ SZ EP        D 0328 11.59

SOP SZ EP        D 0328 14.42

**June 08 2013 Hour: 07:37:06.0 Lat: 10.71°N Lon: 126.90°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 C 0750 09.39  
 PSZ SZ EP C 0750 17.98  
 SOP SZ EP D 0750 26.40

**June 08 2013 Hour: 19:03:29.0 Lat: 41.26°N Lon: 20.32°E M: 3.5 Depth: 3 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1905 10.49  
 CSKK SN EPn 1906 15.53  
 PSZ SN Sn 1906 24.57

**June 08 2013 Hour: 20:33:26.0 Lat: 10.77°N Lon: 126.99°E M: 5.2 Depth: 3 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2046 33.86  
 TIH SZ EP 2046 50.16  
 SOP SZ EP 2046 52.12  
 CSKK SZ EP 2046 55.08

**June 09 2013 Hour: 03:09:06.0 Lat: 45.28°N Lon: 20.99°E M: 2.9 Depth: 5 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn 0309 50.25  
 CSKK SZ EPn 0309 51.37  
 PSZ SZ EPn 0309 51.37  
 TRPA SZ EPn 0309 54.40  
 BEHE SZ EPn 0309 55.94  
 TIH SN Sn 0310 24.32  
 PSZ SN Sn 0310 25.77  
 CSKK SN Sn 0310 26.18  
 TRPA SN Sn 0310 32.22  
 BEHE SN Sn 0310 35.93

**June 10 2013 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 0957 18.88  
 PSZ SN ESG 0957 26.91

**June 10 2013 Hour: 20:11:11.0 Lat: 43.13°N Lon: 18.71°E M: 2.6 Depth: 5 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2011 59.58  
 TRPA SZ EPn 2012 31.45  
 MORH SN Sn 2012 35.35  
 CSKK SN Sn 2013 05.34

**June 10 2013 Hour: 22:29:00.7 Lat: 20.09°S Lon: 173.70°W M: 5.0 Depth: 6 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2248 50.50  
 PSZ SZ EP 2248 53.81  
 TIH SZ EP 2248 55.26  
 SOP SZ EP 2248 55.90  
 MORH SZ EP C 2248 57.10

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**June 11 2013 Hour: 02:30:37.0 Lat: 1.77°S Lon: 100.09°E M: 5.0 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0242 58.87  
PSZ SZ EP C 0243 07.24  
MORH SZ EP C 0243 10.17  
BEHE SZ EP 0243 17.01

**June 11 2013 Hour: 10:56:37.0 Lat: 54.18°N Lon: 152.95°E M: 4.9 Depth: 631 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 1106 52.72  
CSKK SZ EP 1106 58.79  
TIH SZ EP 1106 58.82  
SOP SZ EP D 1106 59.95  
TENK SZ EP 1107 01.79  
MORH SZ EP D 1107 02.73  
BEHE SZ EP D 1107 05.67

**June 11 2013 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 1115 41.16  
CSKK SN ESG 1115 44.59

**June 11 2013 Hour: 13:02:22.0 Lat: 21.11°S Lon: 178.70°W M: 4.9 Depth: 543 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP D 1321 09.84  
CSKK SZ EP 1321 12.37  
SOP SZ EP D 1321 13.43  
TIH SZ EP 1321 13.64  
MORH SZ EP 1321 13.78  
TENK SZ EP C 1321 13.85  
BEHE SZ EP 1321 15.89

**June 12 2013 Hour: 11:58:37.0 Lat: 2.51°S Lon: 12.28°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 1208 16.97  
SOP SZ EP 1208 17.16  
MORH SZ EP 1208 19.83  
PSZ SZ EP D 1208 26.71

**June 12 2013 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 1340 06.22  
PSZ SN ESG 1340 16.88

**June 12 2013 Hour: 19:02:52.0 Lat: 38.62°N Lon: 43.62°E M: 4.5 Depth: 14 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1907 03.40  
PSZ SZ EP 1907 22.38  
MORH SZ EP 1907 25.53  
TIH SZ EP 1907 32.96  
CSKK SZ EP 1907 33.33  
TENK SZ EP 1907 41.26  
BEHE SZ EP 1907 42.77

SOP SZ EP        1907 44.45

**June 13 2013 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 17.49  
 CSKK SN ESg      1201 20.28

**June 13 2013 Hour: 13:24:43.0 Lat: 26.57°N Lon: 128.88°E M: 5.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP      1336 57.85  
 PSZ SZ EP      1337 07.43  
 MORH SZ EP      1337 14.61  
 TENK SZ EP      1337 16.24  
 SOP SZ EP      1337 18.52  
 BEHE SZ EP      1337 18.63  
 CSKK SZ EP      1337 20.70

**June 13 2013 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      1645 17.38  
 MORH SN ESg      1645 34.79

**June 13 2013 Hour: 16:47:23.0 Lat: 9.96°S Lon: 107.27°E M: 6.7 Depth: 3 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP      1700 41.09  
 PSZ SZ EP      D 1700 49.57  
 MORH SZ EP      D 1700 51.83  
 CSKK SZ EP      1700 54.10  
 TIH SZ EP      D 1700 54.30  
 TENK SZ EP      D 1700 56.56  
 BEHE SZ EP      D 1700 58.21  
 SOP SZ EP      D 1700 59.03  
 TRPA SZ EPP      1704 24.04  
 PSZ SZ EPP      1704 35.42  
 MORH SZ EPP      1704 42.43  
 TENK SZ EPP      1704 46.80  
 TIH SZ EPP      1704 50.31  
 CSKK SZ EPP      1704 52.06  
 SOP SZ EPP      1704 53.81  
 BEHE SZ EPP      1704 59.06  
 MORH SE ES      1711 44.35  
 PSZ SE ES      1712 12.00  
 MORH SN ES      1712 15.17  
 TIH SN ES      1712 21.52  
 BEHE SN ES      1712 21.97

**June 13 2013 Hour: 23:16:14.8 Lat: 50.15°N Lon: 18.43°E M: 2.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn      2316 54.53  
 PSZ SN Sn      2317 27.25

**June 14 2013 Hour: 03:20:42.0 Lat: 49.79°N Lon: 18.58°E M: 3.0 Depth: 10 km**

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

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PSZ SZ EPn	0321 19.36
CSKK SZ EPn	0321 23.03
SOP SZ EPn	0321 23.60
TIH SZ EPn	0321 28.31
CSKK SZ ESG	0321 29.33
TRPA SZ EPn	0321 31.64
MORH SZ EPn	0321 37.95
PSZ SN Sn	0321 45.22
CSKK SN Sn	0321 52.99
SOP SN Sn	D 0321 55.55
TRPA SN Sn	0322 10.89
MORH SN Sn	0322 19.50

**June 14 2013 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 0644 31.23
MORH SN ESG 0644 37.28

**June 14 2013 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 1106 39.03
MORH SE ESG 1106 45.15

**June 14 2013 Hour: 18:36:00.0 Lat: 45.75°N Lon: 14.85°E M: 3.0 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
BEHE SN EPn 1836 29.11
BEHE SZ EPg 1836 29.28
SOP SZ EPn 1836 40.19
TIH SZ EPn 1836 41.03
TENK SN EPn 1836 44.04
MORH SZ EPn 1836 45.39
BEHE SN Sn 1836 52.26
TIH SN Sn 1837 11.25
SOP SN Sn 1837 13.74
MORH SN Sn 1837 14.24
MORH SN ESG 1837 28.22

**June 15 2013 Hour: 11:20:37.0 Lat: 34.01°S Lon: 179.43°E M: 6.1 Depth: 211 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP 1140 06.92
PSZ SZ IP C 1140 08.68
TIH SZ IP C 1140 09.80
SOP SZ IP C 1140 10.20
CSKK SZ EP D 1140 10.28
MORH SZ IP C 1140 10.36
TENK SZ EP 1140 10.92
BEHE SZ IP C 1140 11.72

**June 15 2013 Hour: 16:10:59.0 Lat: 34.23°N Lon: 25.00°E 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 EPn 1614 06.46
BEHE SZ EPn 1614 14.46
TIH SZ EPn 1614 14.85

TRPA	SZ	EPn	1614	19.13
CSKK	SZ	EPn	1614	20.24
PSZ	SZ	EPn	1614	21.98
SOP	SZ	EPn	1614	33.94
PSZ	SN	Sn	1617	01.43
CSKK	SN	Sn	1617	02.07

**June 15 2013 Hour: 16:28:57.0 Lat: 34.22°N Lon: 24.99°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	EPn		1631	55.48												
PSZ	SZ	EPn		1632	16.17												
SOP	SZ	EPn		1632	27.76												
MORH	SN	Sn		1634	23.05												

**June 15 2013 Hour: 16:51:16.0 Lat: 34.27°N Lon: 25.10°E M: 4.6 Depth: 30 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
MORH	SZ	EPn		1654	26.70												
CSKK	SZ	EPn		1654	32.96												
TRPA	SZ	EPn	D	1654	38.20												
MORH	SN	Sn		1656	36.04												

**June 15 2013 Hour: 16:59:37.0 Lat: 34.23°N Lon: 25.11°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	EPn		1702	40.31												
TRPA	SZ	EPn		1702	59.50												
PSZ	SZ	EPn		1702	59.90												
TENK	SZ	EP		1703	04.26												
SOP	SZ	EPn	D	1703	07.30												
MORH	SE	Sn		1704	58.49												
TENK	SE	Sn		1705	26.71												
PSZ	SE	Sn		1705	30.52												
SOP	SN	Sn		1705	37.39												

**June 15 2013 Hour: 17:22:06.0 Lat: 34.24°N Lon: 25.01°E M: 4.9 Depth: 30 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
MORH	SZ	EPn		1725	05.86												
CSKK	SZ	EPn		1725	27.11												
TRPA	SZ	EPn		1725	29.23												
PSZ	SZ	EPn		1725	31.77												
SOP	SZ	EPn	C	1725	40.02												
MORH	SE	Sn		1727	21.95												

**June 15 2013 Hour: 17:34:28.0 Lat: 11.52°N Lon: 87.20°W M: 6.5 Depth: 52 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
SOP	SZ	EP		1747	24.17												
CSKK	SE	EP		1747	24.89												
TIH	SZ	EP		1747	26.32												
MORH	SZ	EP	C	1747	33.29												
CSKK	SZ	EP		1747	39.90												
TRPA	SZ	EP		1747	41.33												
SOP	SZ	EPP		1751	07.13												
TIH	SZ	EPP		1751	10.23												
MORH	SZ	EPP		1751	13.61												

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PSZ	SZ	EPP	1751	15.58
CSKK	SZ	EPP	1751	17.55
TRPA	SZ	EPP	1751	33.90
SOP	SN	ES	1758	16.76
MORH	SN	ES	1758	30.39
PSZ	SN	ES	1758	30.83
TIH	SN	ES	1758	32.59
CSKK	SN	ES	1758	36.10
TRPA	SN	ES	D	1758 46.48
CSKK	SN	ESS	1804	24.99
SOP	SN	ESS	1804	35.61
TIH	SZ	ESS	1804	39.59
MORH	SE	ESS	C	1804 51.54
TRPA	SN	ESS	1804	55.52
PSZ	SN	ESS	1805	03.49

**June 15 2013 Hour: 19:41:17.0 Lat: 44.12°N Lon: 10.09°E M: 3.5 Depth: 2 km**

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

SOP	SZ	EPn	1942	43.63
MORH	SZ	EPn	1942	52.93
CSKK	SZ	EPn	1942	54.45
PSZ	SZ	EPn	1943	11.34
SOP	SN	Sn	1943	47.00
MORH	SN	Sn	1943	56.59
CSKK	SN	Sn	1944	08.20
PSZ	SN	Sn	1944	35.45

**June 16 2013 Hour: 00:53:37.0 Lat: 34.25°N Lon: 25.13°E M: 4.5 Depth: 30 km**

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

MORH	SZ	EPn	0056	36.15
MORH	SZ	EP	0056	47.02

**June 16 2013 Hour: 00:44:39.0 Lat: 1.73°N Lon: 97.01°E M: 4.9 Depth: 20 km**

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

MORH	SZ	EP	0056	47.02
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**June 16 2013 Hour: 05:19:02.0 Lat: 18.36°N Lon: 99.02°W M: 6.1 Depth: 56 km**

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

SOP	SZ	EP	D	0532 07.73
BEHE	SZ	EP		0532 11.23
TENK	SZ	EP		0532 11.46
CSKK	SZ	EP		0532 12.86
TIH	SZ	EP	D	0532 13.21
MORH	SZ	EP	D	0532 16.47
PSZ	SZ	EP	D	0532 16.58
TRPA	SZ	EP	D	0532 22.29
SOP	SE	ES		0543 08.49
MORH	SE	ES		0543 13.71
PSZ	SN	ES		0543 16.97
TRPA	SN	ES		0543 32.62

**June 16 2013 Hour: 20:04:58.0 Lat: 45.75°N Lon: 14.85°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	2005 26.79
TENK SZ EPn	2005 37.52
SOP SZ EPn	2005 37.77
TIH SZ EPn	2005 40.61
MORH SZ EPn	2005 41.57
BEHE SN Sn	2005 48.58
CSKK SZ EPn	2005 52.86
PSZ SZ EPn	2006 02.35
SOP SN Sn	2006 06.10
TENK SN Sn	2006 07.65
TIH SN Sn	2006 10.18
MORH SN Sn	2006 12.71
CSKK SN Sn	2006 19.14
PSZ SN Sn	2006 50.27
TRPA SZ EPg	2006 52.90
TRPA SN Sn	2007 30.84
TRPA SN ESg	2008 22.53

**June 17 2013 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 1041 37.35  
 PSZ SZ E 1041 37.42  
 PSZ SN ESg 1041 40.54  
 PSZ SN E C 1041 40.85  
 PSZ SN E C 1041 47.35

**June 18 2013 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 0651 01.13  
 CSKK SN ESg 0651 02.50

**June 18 2013 Hour: 22:27:05.0 Lat: 34.21°N Lon: 25.01°E M: 4.6 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2230 04.80  
 BEHE SZ EPn 2230 16.49  
 TIH SZ EPn 2230 21.71  
 TRPA SZ EPn 2230 25.07  
 PSZ SZ EPn 2230 25.44  
 CSKK SZ EPn 2230 32.52  
 SOP SZ EPn 2230 36.38  
 MORH SN Sn 2232 24.36  
 BEHE SN Sn 2232 49.64  
 CSKK SN Sn 2232 52.69

**June 18 2013 Hour: 23:02:08.0 Lat: 54.27°N Lon: 86.27°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 C 2309 37.53  
 PSZ SZ EP D 2309 51.80  
 CSKK SZ EP D 2310 01.69  
 MORH SZ EP 2310 05.02  
 TIH SZ EP 2310 05.35  
 SOP SZ EP 2310 07.96  
 TENK SZ EP D 2310 08.12

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BEHE SZ EP	D	2310	13.00
TRPA SN EPP		2311	04.80
PSZ SZ EPP		2311	23.43
CSKK SZ EPP		2311	37.29
TIH SZ EPP		2311	41.38
MORH SZ EPP		2311	42.52
SOP SZ EPP		2311	44.34
TENK SZ EPP		2311	47.29
BEHE SZ EPP		2311	52.06
TRPA SN ESS		2318	19.35
PSZ SN ESS		2319	18.08
BEHE SN ESS		2319	21.63
MORH SN ESS		2319	37.00

**June 19 2013 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	0544	51.46
MORH SZ EPg	0544	53.15
BEHE SN ESg	0545	01.43
MORH SN ESg	0545	05.04
CSKK SZ EPn	0545	05.11
MORH SE ESg	C	0545 06.16
TIH SZ ESg	0545	10.03
CSKK SN Sn	0545	25.86

**June 19 2013 Hour: 09:39:34.0 Lat: 21.02°S Lon: 174.40°W M: 5.0 Depth: 40 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EPKiKP C	0959	20.21
PSZ SZ EPKiKP C	0959	22.83
TIH SZ EPKiKP	0959	24.02
SOP SZ EPKiKP C	0959	25.69
MORH SZ EPKiKP C	0959	27.04

**June 19 2013 Hour: 15:22:00.0 Lat: 47.97°N Lon: 20.15°E M: 0.0 Depth: 0 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
PSZ SZ EPg	1524	26.29
PSZ SZ E	C	1524 26.69
PSZ SZ E	C	1524 26.70
PSZ SN ESg	1524	29.49
PSZ SN E	1524	29.96
PSZ ST E	1524	30.65
PSZ SN E	C	1524 35.12
PSZ ST I	C	1524 37.32

**June 19 2013 Hour: 19:05:08.0 Lat: 34.28°N Lon: 25.10°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 EPn	1908	20.67
CSKK SZ EPn	1908	26.91
TRPA SZ EPn	1908	27.55
PSZ SZ EPn	1908	34.10
TENK SZ EPn	1908	34.42
SOP SZ EPn	1908	37.93

**June 19 2013 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 2032 25.40  
 CSKK SN ESg 2032 26.86

**June 19 2013 Hour: 21:15:15.0 Lat: 45.99°N Lon: 14.63°E M: 3.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2115 40.04  
 BEHE SZ EPg 2115 41.98  
 SOP SZ EPn 2115 49.36  
 TENK SZ EPn 2115 49.76  
 TIH SZ EPn 2115 55.76  
 CSKK SZ EPn 2115 57.08  
 MORH SZ EPn 2116 05.97  
 BEHE SN ESg 2116 06.24  
 PSZ SZ EPn 2116 15.10  
 SOP SN Sn 2116 20.84  
 TIH SN Sn 2116 22.95  
 TENK SN Sn 2116 26.08  
 MORH SN Sn 2116 27.43  
 CSKK SN Sn 2116 29.99

**June 20 2013 Hour: 00:22:55.0 Lat: 45.58°N Lon: 26.70°E M: 4.1 Depth: 114 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn C 0023 51.98  
 PSZ SZ EPn 0024 10.79  
 MORH SZ EPn 0024 16.72  
 PSZ SZ ESg 0024 31.82  
 TRPA SE Sn 0024 33.83  
 TRPA SN Sn 0024 34.81

**June 20 2013 Hour: 01:49:44.0 Lat: 40.96°N Lon: 142.40°E M: 5.2 Depth: 47 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0201 30.56  
 PSZ SZ EP C 0201 37.99  
 TENK SZ EP C 0201 46.15  
 SOP SZ EP 0201 47.03  
 MORH SZ EP 0201 47.42  
 CSKK SZ EP 0201 56.64

**June 20 2013 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 0940 16.55  
 PSZ SN Sn 0940 30.01

**June 21 2013 Hour: 10:33:59.0 Lat: 44.19°N Lon: 10.15°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 1035 20.56  
 SOP SZ EPn 1035 23.44  
 TENK SZ EPn 1035 29.30  
 MORH SZ EPn 1035 33.25  
 CSKK SZ EPn 1035 34.06  
 TIH SZ EPn 1035 34.06

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BEHE SZ EPg	1035	37.37
PSZ SZ EPn	1035	53.68
TRPA SZ EPn	C	1036 16.47
BEHE SN Sn	1036	18.20
SOP SN Sn	1036	28.79
TENK SN Sn	1036	36.58
TIH SN Sn	1036	40.47
MORH SN Sn	1036	43.33
CSKK SN Sn	1036	48.64
PSZ SN Sn	1037	17.83
TRPA SN Sn	1037	37.88

**June 21 2013 Hour: 12:12:40.0 Lat: 44.17°N Lon: 10.11°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	1213	59.92
SOP SZ EPn	1214	06.21
TIH SZ EPn	1214	09.15
TENK SZ EPn	1214	10.36
CSKK SZ EPn	1214	17.41
BEHE SZ EPg	1214	19.82
PSZ SZ EPn	1214	33.45
MORH SZ EPn	1214	40.97
BEHE SN Sn	1215	04.53
SOP SN Sn	1215	07.54
TIH SN Sn	1215	19.07
TENK SN Sn	1215	27.09
CSKK SN Sn	1215	28.60
PSZ SN Sn	1216	01.68
PSZ SN EPg	D	1216 52.31

**June 21 2013 Hour: 13:58:27.0 Lat: 44.09°N Lon: 10.06°E M: 3.8 Depth: 2 km**

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

SOP SZ EPn	1359	53.11
TENK SZ EPn	1400	00.33
BEHE SZ EPn	1400	00.65
CSKK SZ EPn	1400	03.80
PSZ SZ EPn	1400	23.15
MORH SZ EPn	1400	33.88
SOP SN Sn	1400	56.79
TENK SN Sn	1401	07.20
CSKK SN Sn	1401	14.46
PSZ SN Sn	1401	49.15

**June 21 2013 Hour: 14:23:23.0 Lat: 44.15°N Lon: 10.08°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	1424	47.46
SOP SZ EPn	1424	48.25
TENK SZ EPn	1424	55.60
MORH SZ EPn	1424	58.77
PSZ SZ EPn	1425	18.48
BEHE SN Sn	1425	41.54
SOP SN Sn	1425	51.77
TENK SN Sn	D	1425 58.91

MORH SN Sn 1426 07.44  
 PSZ SN Sn 1426 43.27

**June 22 2013 Hour: 01:56:14.0 Lat: 44.11°N Lon: 10.10°E M: 3.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0157 39.92  
 MORH SZ EPn 0157 49.55  
 PSZ SZ EPn 0158 07.72  
 SOP SN Sn D 0158 41.59  
 MORH SN Sn 0158 58.33  
 PSZ SN Sn 0159 37.27

**June 22 2013 Hour: 08:41:09.0 Lat: 40.24°N Lon: 19.56°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 0842 39.73  
 BEHE SZ EPn 0842 50.91  
 TENK SZ EPn 0842 51.77  
 TIH SZ EPn 0842 52.74  
 SOP SZ EPn 0843 00.48  
 PSZ SZ EPn 0843 02.30  
 TRPA SZ EPn 0843 03.70  
 MORH SN ESg 0844 26.26  
 BEHE SE ESg 0844 40.56  
 SOP SN ESg 0845 08.75  
 PSZ SN ESg 0845 09.97

**June 22 2013 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 1532 47.27  
 PSZ SN ESg 1532 56.30

**June 23 2013 Hour: 13:13:43.0 Lat: 44.13°N Lon: 10.13°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 1315 01.54  
 SOP SZ EPn 1315 08.95  
 TENK SZ EPn 1315 12.56  
 MORH SZ EPn 1315 16.38  
 PSZ SZ EPn 1315 37.76  
 BEHE SN Sn 1315 57.31  
 SOP SN Sn 1316 09.02  
 TENK SN Sn 1316 14.47  
 MORH SN Sn 1316 26.57  
 PSZ SN Sn 1317 07.06

**June 23 2013 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 1503 01.24  
 BEHE SZ EPn 1503 05.49  
 TENK SZ EPn 1503 09.73  
 TIH SZ EPn 1503 10.67  
 CSKK SZ EPn 1503 15.85  
 MORH SZ EPn 1503 18.21  
 PSZ SZ EPn 1503 29.05

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TRPA SZ EPn	1503	51.67
SOP SN Sn	1504	02.98
TENK SN Sn	1504	10.99
TIH SN Sn	1504	12.40
MORH SN Sn	D	1504 16.17
CSKK SN Sn		1504 20.88
BEHE SN Sn		1504 21.35
PSZ SN Sn		1504 53.40
TRPA SN Sn		1505 34.87

**June 23 2013 Hour: 21:16:33.0 Lat: 48.12°N Lon: 33.45°E M: 4.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EPn	2118 20.67
PSZ SZ EPn	2118 44.39
TIH SZ EPn	2118 58.09
TIH SZ IPn	2119 00.04
MORH SZ EPn	2119 00.47
CSKK SZ EPn	2119 08.36
TENK SZ EPn	2119 11.78
BEHE SZ EPn	2119 13.74
TRPA SN Sn	2119 46.02
PSZ SN Sn	2120 35.42
MORH SN Sn	2120 59.87
TENK HN Sn	2121 16.02

**June 23 2013 Hour: 22:43:17.0 Lat: 31.71°N Lon: 40.89°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
SOP SZ EP	2251 36.81
BEHE SZ EP	C 2251 40.93
TENK SZ EP	C 2251 44.02
TIH SZ EP	2251 47.36
MORH SZ EP	C 2251 50.96
CSKK SZ EP	2251 51.74
PSZ SZ EP	C 2251 56.37
TENK HZ EP	2251 56.88
TRPA SZ EP	C 2252 10.26

**June 24 2013 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	0747 22.36
MORH SN Esg	0747 37.26
BEHE SZ EPg	0747 44.33

**June 24 2013 Hour: 08:05:24.0 Lat: 37.51°N Lon: 69.27°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 EP	0812 44.49

**June 24 2013 Hour: 22:04:13.0 Lat: 10.47°N Lon: 42.60°W M: 6.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
BEHE SZ IP	2214 32.54
SOP SZ IP	C 2214 33.02
TENK SZ IP	C 2214 36.61
CSKK SZ IP	2214 37.41

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TIH SZ IP	C 2214 38.28
MORH SZ IP	C 2214 39.24
PSZ SZ IP	C 2214 48.58
TENK HZ IP	C 2214 50.58
TRPA SZ IP	C 2215 00.31
BEHE SZ EPP	2216 43.77
SOP SZ EPP	2216 47.85
TENK SZ EPP	2216 52.39
TIH SZ EPP	2216 52.84
MORH SZ EPP	2216 57.37
CSKK SZ EPP	2216 58.28
TENK HZ EPP	2217 05.99
PSZ SZ EPP	2217 05.99
TRPA SZ EPP	2217 20.95
BEHE SN IS	2222 52.93
MORH SN IS	2222 57.09
SOP SN IS	2222 57.09
TIH SN IS	2222 57.09

**June 24 2013 Hour: 23:06:39.5 Lat: 47.67°N Lon: 20.29°E M: 1.2 Depth: 0 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 2306 48.84  
 PSZ SN ESg 2306 52.50

**June 25 2013 Hour: 09:52:54.0 Lat: 20.00°S Lon: 179.62°E M: 4.7 Depth: 484 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP C 1011 40.55  
 CSKK SZ EPKiKP 1011 42.08  
 PSZ SZ EPKiKP C 1011 43.97  
 TENK SZ EPKiKP 1011 47.39  
 MORH SZ EPKiKP 1011 48.57

**June 26 2013 Hour: 05:48:47.0 Lat: 9.37°N Lon: 91.25°E M: 5.2 Depth: 32 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0559 48.59  
 CSKK SZ EP 0559 58.83  
 PSZ SZ EP D 0559 58.99  
 MORH SZ EP D 0600 02.64  
 TENK SZ EP D 0600 08.08  
 BEHE SZ EP D 0600 11.37

**June 26 2013 Hour: 13:16:48.0 Lat: 44.91°N Lon: 17.21°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 1317 19.08  
 MORH SZ EPn 1317 19.66  
 BEHE SZ EPg 1317 20.73  
 MORH SN ESg 1317 41.87  
 BEHE SN ESg 1317 43.28

**June 26 2013 Hour: 16:09:57.0 Lat: 42.99°N Lon: 20.65°E M: 3.1 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 1610 53.26  
 PSZ SZ EPn 1611 13.20

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MORH SN Sn	1611 35.32
MORH SE ESg	1611 53.20
PSZ SN Sn	1612 09.88

**June 26 2013 Hour: 16:15:11.0 Lat: 42.98°N Lon: 20.66°E M: 2.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPn	1616 06.33
MORH SZ EPg	1616 18.23
CSKK SZ EPn	1616 22.99
PSZ SZ EPn	1616 26.16
MORH SN Sn	1616 50.55
CSKK SN Sn	1617 19.34

**June 26 2013 Hour: 22:59:04.0 Lat: 0.17°S Lon: 125.08°E M: 5.8 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP C	2312 35.92
TENK HZ EP	2312 42.86
PSZ SZ EP C	2312 43.70
CSKK SZ EP	2312 48.92
MORH SZ EP C	2312 48.97
TIH SZ EP C	2312 50.75
SOP SZ EP C	2312 53.60
BEHE SZ EP	2312 55.38
TENK SZ EP	2313 00.54

**June 27 2013 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	1235 03.92
PSZ SN Sn	1235 18.29

**June 28 2013 Hour: 07:45:22.0 Lat: 22.78°S Lon: 171.25°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 D	0804 53.94
PSZ SZ EP	0805 00.04
TENK SZ EP	0805 00.55
TENK HZ EP	0805 00.55
BEHE SZ EP	0805 02.44
MORH SZ EP	0805 03.39
SOP SZ EP	0805 04.33
CSKK SZ EP	0805 04.65
TIH SZ EP	0805 07.17

**June 28 2013 Hour: 11:40:47.0 Lat: 28.82°N Lon: 82.34°E 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 D	1149 53.47
TENK HZ EP	1149 55.72
MORH SZ EP	1149 57.54
TIH SZ EP	1149 57.86

**June 28 2013 Hour: 15:35:56.0 Lat: 10.67°N Lon: 93.58°E M: 4.7 Depth: 112 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EP	1547 02.14
MORH SZ EP C	1547 06.33

CSKK SZ EP	1547 13.76
BEHE SZ EP	1547 14.92

**June 28 2013 Hour: 23:52:48.0 Lat: 24.08°N Lon: 122.36°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	C 0003 50.12
TENK HZ EP	C 0003 58.79
PSZ SZ EP	C 0003 59.06
MORH SZ EP	C 0004 06.36
CSKK SZ EP	D 0004 07.18
TIH SZ EP	C 0004 07.99
SOP SZ EP	C 0004 10.70
TENK SZ EP	0004 11.24
BEHE SZ EP	C 0004 12.32

**June 29 2013 Hour: 01:40:16.0 Lat: 41.99°N Lon: 20.78°E M: 4.0 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPn	D 0141 24.76
BEHE SZ EPn	0141 37.44
TIH SZ EPn	0141 37.72
CSKK SZ EPn	0141 44.55
PSZ SZ EPn	0141 46.39
TRPA SZ EPn	0141 49.39
TIH SZ EPg	0141 50.29
TENK SZ EPn	0141 50.60
SOP SZ EPn	0141 52.70
MORH SN Sn	0142 18.21
TIH SN Sn	0142 40.63
CSKK SN Sn	0142 48.99
PSZ SN Sn	0142 54.78
SOP SN Sn	0143 08.19

**June 29 2013 Hour: 12:29:43.0 Lat: 19.99°S Lon: 169.61°E M: 5.2 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EPiKP	1249 04.02
TIH SZ EPiKP	D 1249 05.98
MORH SZ EPiKP	D 1249 06.09
SOP SZ EPiKP	D 1249 06.44
BEHE SZ EPiKP	D 1249 08.86

**June 30 2013 Hour: 03:40:55.9 Lat: 50.09°N Lon: 18.38°E M: 3.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EPn	0341 39.95
PSZ SZ EPn	0341 41.57
SOP SZ EPn	0341 41.66
MORH SZ EPn	0341 56.31
TRPA SZ EPn	0342 00.44
PSZ SN Sn	0342 06.70
PSZ SN ESg	0342 15.21
SOP SN Sn	0342 26.62
MORH SN Sn	0342 41.14

**June 30 2013 Hour: 04:59:32.0 Lat: 39.30°N Lon: 73.42°E M: 5.0 Depth: 10 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0506 42.81  
PSZ SZ EP 0507 02.01  
TENK SZ EP 0507 02.01  
MORH SZ EP 0507 06.61  
SOP SZ EP 0507 19.60  
PSZ SN EPP 0508 26.14  
SOP SN EPP 0508 52.34

**June 30 2013 Hour: 07:31:50.0 Lat: 44.60°N Lon: 17.30°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 0732 26.02  
MORH SZ EPn 0732 27.19  
MORH SN Sn 0732 47.80  
BEHE SN Sn 0732 49.44  
PSZ SZ EPn 0732 49.44  
PSZ SZ EPg 0733 02.89  
PSZ SN Sn 0733 36.63

**June 30 2013 Hour: 14:40:08.0 Lat: 44.17°N Lon: 10.21°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 1441 29.83  
SOP SZ EPn 1441 34.83  
MORH SZ EPn 1441 42.83  
TIH SZ EPn 1441 45.08  
CSKK SZ EPn 1441 49.83  
PSZ SZ EPn 1442 05.57  
TRPA SZ EPn 1442 22.57  
BEHE SN Sn 1442 26.90  
SOP SN Sn 1442 36.57  
TIH SN Sn 1442 51.07  
MORH SN Sn 1442 55.16  
CSKK SN Sn 1442 59.32  
BEHE SN ESg 1443 11.60  
SOP SN ESg 1443 20.80  
PSZ SN Sn 1443 26.31  
TIH SN ESg 1443 27.70  
MORH SN ESg 1443 36.25  
PSZ SN ESg 1444 20.94

**June 30 2013 Hour: 18:18:52.0 Lat: 44.18°N Lon: 10.21°E M: 3.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 1820 19.43  
BEHE SZ EPn 1820 22.37  
PSZ SZ EPn 1820 49.38  
TRPA SZ EPn 1820 58.58  
SOP SN Sn 1821 20.94  
BEHE SN Sn 1821 23.08  
CSKK SN Sn 1821 30.70  
PSZ SN Sn 1822 13.09  
TRPA SN Sn 1822 55.60

**July 01 2013 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 1228 18.92  
CSKK SN ESg 1228 20.26

**July 01 2013 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 1251 27.72  
CSKK SN EPg 1251 29.09

**July 01 2013 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 1310 06.56  
CSKK SN ESg 1310 07.93

**July 01 2013 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 1547 41.54  
CSKK SN ESg 1547 42.64

**July 01 2013 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 1553 04.86  
CSKK SN ESg 1553 05.61

**July 01 2013 Hour: 17:28:58.0 Lat: 39.33°N Lon: 29.43°W 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 D 1735 55.20  
BUD SZ EP 1735 57.06  
PSZ SZ EP 1736 00.31

**July 01 2013 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 2031 08.07  
CSKK SN ESg 2031 09.44

**July 01 2013 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 2041 45.33  
CSKK SN ESg 2041 46.80

**July 01 2013 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 2330 22.71  
CSKK SN ESg 2330 24.06

**July 01 2013 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 2330 30.39  
CSKK SN ESg 2330 31.73

**July 01 2013 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 2330 44.34

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CSKK SN ESg        2330 45.84

**July 01 2013 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        2331 36.64

CSKK SN ESg        2331 37.71

**July 02 2013 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        0020 41.06

CSKK SN ESg        0020 42.57

**July 02 2013 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        0020 57.45

CSKK SN ESg        0020 58.82

**July 02 2013 Hour: 00:28:41.0 Lat: 33.09°N Lon: 92.80°E M: 4.7 Depth: 30 km**

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

MORH SZ EP        D 0038 20.63

BEHE SZ EP        0038 31.17

**July 02 2013 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        0038 58.56

CSKK SN ESg        0038 59.97

**July 02 2013 Hour: 01:27:22.3 Lat: 12.56°S Lon: 171.63°E 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        0140 37.64

SOP SZ EP        0140 55.69

**July 02 2013 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 44.18

CSKK SN ESg        0537 45.68

**July 02 2013 Hour: 07:37:03.0 Lat: 4.72°N Lon: 96.57°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 SZ EP        0748 49.02

PSZ SZ EP        0748 58.52

MORH SZ EP        0749 01.70

BUD SZ EP        0749 01.91

TIH SZ EP        0749 05.94

CSKK SZ EP        0749 06.05

BEHE SZ EP        0749 10.07

SOP SZ EP        0749 10.91

TRPA SZ EPP        0751 28.89

SOP SZ EPP        0751 44.85

PSZ SZ EPP        0751 45.88

TIH SZ EPP        0751 46.91

TRPA SN ES        0758 31.82

PSZ SN ES        0758 46.75

MORH SN ES	0758	52.93
CSKK SN ES	0758	58.76
TIH SN ES	0759	00.58
BEHE SN ES	0759	07.85
SOP SN ES	0759	10.04

**July 02 2013 Hour: 10:45:22.0 Lat: 40.12°N Lon: 21.86°E M: 4.7 Depth: 7 km**

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

AMBH HZ EPn	1046	40.09
MORH SZ EPn	1046	57.92
TIH SZ EPn	1047	09.99
BEHE SZ EPn	1047	12.09
TENK HZ EPn	1047	14.83
BUD SN EPn	1047	14.90
CSKK SZ EPn	1047	16.19
PSZ SZ EPn	1047	18.91
TRPA SZ EPn	1047	25.73
SOP SZ EPn	1047	26.86
BEHE SZ EPg	1047	44.25
MORH SN Sn	1048	16.15
BEHE SN Sn	1048	32.78
TIH SN Sn	1048	34.74
CSKK SN Sn	1048	38.41
BUD SZ ESn	1048	42.20
TENK HN Sn	1048	47.07
PSZ SN Sn	1048	51.73
TRPA SN Sn	1048	53.88
SOP SN Sn	1048	56.12
MORH SN ESg	1048	56.41
BEHE SN ESg	1049	23.97
TRPA SN ESg	1049	40.89
SOP SN ESg	1049	49.64
PSZ SE ESg	1049	55.34

**July 02 2013 Hour: 11:18:34.0 Lat: 27.07°N Lon: 55.07°E M: 5.0 Depth: 30 km**

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

AMBH HZ EP	1125	11.64
TENK HZ EP	1125	18.63
PSZ SZ EP	1125	19.15
MORH SZ EP	1125	19.19
TIH SZ EP	1125	20.19
BUD SZ EP	1125	22.63
CSKK SZ EP	1125	27.59
BEHE SZ EP	1125	30.58

**July 02 2013 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	1315	19.78
CSKK SN ESg	1315	21.17

**July 02 2013 Hour: 13:33:17.0 Lat: 1.52°N Lon: 30.86°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	1341	38.90
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AMBH HZ EP	D 1341 39.04
BEHE SZ EP	D 1341 45.56
TIH SZ EP	1341 48.54
TENK HZ EP	1341 48.72
BUD SZ EP	D 1341 49.01
CSKK SZ EP	1341 49.08
TRPA SZ EP	1341 49.99
SOP SZ EP	C 1341 50.73
PSZ SZ EP	1341 51.81

**July 02 2013 Hour: 13:55:39.0 Lat: 4.71°N Lon: 96.73°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 1407 29.32
AMBH HZ EP D 1407 33.47
BEHE SZ EP 1407 35.43
PSZ SZ EP 1407 37.87
MORH SZ EP 1407 39.70
CSKK SZ EP 1407 45.20
TIH SZ EP 1407 45.81
SOP SZ EP 1407 45.81

**July 02 2013 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 D 1352 02.77
PSZ SN ESg 1352 09.71
PSZ SE E 1352 10.29

**July 02 2013 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 1418 37.10

**July 02 2013 Hour: 15:36:44.0 Lat: 4.66°N Lon: 96.76°E M: 5.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP 1548 38.20
PSZ SZ EP 1548 40.36
MORH SZ EP 1548 42.99
BEHE SZ EP 1548 45.87

**July 02 2013 Hour: 17:44:03.0 Lat: 47.65°N Lon: 20.27°E M: 1.9 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TENK HZ EPg 1744 04.12
TENK HN ESg 1744 04.60
PSZ SZ EPg 1744 10.68
PSZ SZ E 1744 11.16
PSZ SN ESg 1744 16.38
PSZ SN E C 1744 20.54
PSZ SN I C 1744 27.30

**July 03 2013 Hour: 03:40:26.0 Lat: 51.51°N Lon: 167.01°W M: 5.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP D 0352 39.86
PSZ SZ EP D 0352 42.49
TENK HZ EP 0352 44.37

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SOP	SZ	EP	D	0352	44.50
BUD	SZ	EP		0352	45.47
CSKK	SZ	EP		0352	46.13
TIH	SZ	EP	D	0352	48.38
AMBH	HZ	EP		0352	50.33
MORH	SZ	EP	D	0352	50.76
BEHE	SZ	EP	D	0352	50.89
TRPA	SZ	EPP		0355	38.22
PSZ	SZ	EPP		0355	42.24
SOP	SZ	EPP		0355	47.75
CSKK	SZ	EPP		0355	50.76
TENK	HZ	EPP		0355	51.76
TIH	SZ	EPP		0355	52.27
BEHE	SZ	EPP		0355	56.78
MORH	SZ	EPP		0356	00.79
TRPA	SN	IS		0402	47.31
PSZ	SN	IS		0402	55.40
SOP	SN	IS		0402	56.26
CSKK	SN	IS		0403	00.94
TIH	SN	IS		0403	04.35
BEHE	SN	IS		0403	06.48
MORH	SN	IS		0403	08.61

**July 03 2013 Hour: 07:04:18.0 Lat: 36.65°N Lon: 70.59°E M: 5.2 Depth: 212 km**

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

TRPA	SZ	EP	C	0711	05.73
AMBH	HZ	EP	C	0711	17.55
PSZ	SZ	EP		0711	20.56
TENK	HN	EP		0711	24.27
BUD	SZ	EP	C	0711	25.92
MORH	SZ	EP	C	0711	28.50
TIH	SZ	EP		0711	31.63
SOP	SZ	EP	C	0711	38.31
BEHE	SZ	EP		0711	40.67
TRPA	SZ	EPP		0712	32.77
PSZ	SZ	EPP		0712	57.54
MORH	SZ	EPP		0713	05.24
CSKK	SZ	EPP		0713	08.68
TIH	SZ	EPP		0713	10.88
BEHE	SZ	EPP		0713	18.45
SOP	SZ	EPP		0713	19.28

**July 03 2013 Hour: 13:09:11.0 Lat: 40.11°N Lon: 21.84°E M: 4.1 Depth: 9 km**

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

MORH	SZ	EPn		1310	48.23
TIH	SZ	EPn		1311	02.61
BUD	SZ	EPn	D	1311	05.67
CSKK	SZ	EPn		1311	07.01
PSZ	SZ	EPn		1311	08.85
TRPA	SZ	EPn		1311	10.91
MORH	SN	Sn		1312	04.75
TIH	SN	Sn		1312	23.90
CSKK	SN	Sn		1312	32.47

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PSZ	SN	Sn	1312	38.79
MORH	SN	ESg	1312	46.83

**July 03 2013 Hour: 13:28:23.0 Lat: 40.13°N Lon: 21.86°E M: 4.8 Depth: 17 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
MORH	SZ	EPn		1329	59.65												
BEHE	SZ	EPn		1330	12.01												
TIH	SZ	EPn		1330	12.48												
TENK	HZ	EPn		1330	15.33												
TIH	SZ	EPn	D	1330	17.21												
CSKK	SZ	EPn		1330	17.71												
TRPA	SZ	EPn		1330	20.66												
PSZ	SZ	EPn		1330	22.94												
SOP	SZ	EPn		1330	26.31												
MORH	SZ	EPg		1330	26.31												
SOP	SN	EPn		1330	30.54												
BEHE	SZ	EPg		1330	45.34												
SOP	SZ	EPg		1331	06.97												
MORH	SN	Sn		1331	07.98												
TIH	SN	Sn		1331	33.41												
CSKK	SN	Sn		1331	43.72												
BUD	SZ	ESn		1331	44.76												
TRPA	SN	Sn		1331	46.57												
PSZ	SN	Sn		1331	51.55												
MORH	SN	ESg		1331	51.88												
BEHE	SN	ESg		1332	28.34												
PSZ	SE	ESg		1332	42.86												
TENK	HN	Sn		1332	43.83												
SOP	SN	ESg		1332	58.36												

**July 03 2013 Hour: 15:06:10.0 Lat: 37.35°N Lon: 141.45°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		1518	18.24												
AMBH	HZ	EP		1518	18.65												
PSZ	SZ	EP		1518	25.61												
TENK	HZ	EP		1518	26.22												
SOP	SZ	EP		1518	33.94												
MORH	SZ	EP		1518	36.64												
BEHE	SZ	EP		1518	41.28												

**July 03 2013 Hour: 19:21:46.0 Lat: 1.57°N Lon: 30.75°E M: 5.7 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
AMBH	HZ	EP		1930	06.87												
MORH	SZ	EP	D	1930	07.83												
BEHE	SZ	EP		1930	13.44												
TIH	SZ	EP		1930	14.58												
BUD	SZ	EP		1930	17.26												
TRPA	SZ	EP	D	1930	17.52												
CSKK	SZ	EP		1930	17.52												
PSZ	SZ	EP		1930	18.95												
SOP	SZ	EP	D	1930	22.18												
MORH	SZ	EPP		1932	06.40												
BEHE	SZ	EPP		1932	14.06												

PSZ	SZ	EPP	1932	16.30
SOP	SZ	EPP	1932	19.49
MORH	SN	ES	1936	51.44
BEHE	SN	ES	1937	00.60
TIH	SZ	ES	1937	05.67
TRPA	SN	ES	1937	07.52
CSKK	SN	ES	1937	09.20
PSZ	SN	ES	1937	11.45
SOP	SN	ES	1937	16.80
TRPA	SN	ESS	1940	21.76
MORH	SE	ESS	1940	24.74
TIH	SZ	ESS	1940	34.85
SOP	SZ	ESS	1940	47.29

**July 03 2013 Hour: 22:22:18.0 Lat: 1.48°N Lon: 30.70°E M: 5.2 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
AMBH	HZ	EP	D	2230	40.15											
MORH	SZ	EP	D	2230	40.31											
BEHE	SZ	EP	D	2230	46.20											
TIH	SZ	EP		2230	47.09											
TENK	HZ	EP	D	2230	49.25											
TRPA	SZ	EP	D	2230	49.53											
CSKK	SZ	EP		2230	49.80											
BUD	SZ	EP	D	2230	50.14											
SOP	SZ	EP	C	2230	50.85											
PSZ	SZ	EP		2230	51.15											
MORH	SN	ES		2237	22.11											
TIH	SN	ES		2237	34.50											
TRPA	SN	ES		2237	42.52											
PSZ	SN	ES		2237	47.62											
SOP	SN	ES		2237	51.27											

**July 04 2013 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TENK	HZ	EPg	D	0228	43.38											
TENK	HN	ESg		0228	43.95											
PSZ	SZ	EPg		0228	52.29											
PSZ	SN	ESg		0228	55.44											

**July 04 2013 Hour: 11:14:11.6 Lat: 17.97°S Lon: 173.25°W 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		1134	11.96											
PSZ	SZ	EP		1134	14.87											
TENK	HZ	EP		1134	15.94											
CSKK	SZ	EP		1134	18.72											
SOP	SZ	EP		1134	19.28											
BEHE	SZ	EP		1134	19.56											

**July 04 2013 Hour: 11:15:41.0 Lat: 17.97°S Lon: 178.47°W M: 5.2 Depth: 610 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BUD	SZ	EP		1134	17.39											
AMBH	HZ	EP		1134	19.09											
SOP	SZ	EP		1134	19.28											

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TRPA SZ EP	1134 47.92
CSKK SZ EP	1134 50.40
TENK HZ EP	1134 50.52
PSZ SZ EP	1134 51.51
BEHE SZ EP	1134 52.13

### July 04 2013 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	1522 26.36
PSZ SN ESG	1522 32.63

### July 04 2013 Hour: 17:16:00.0 Lat: 7.00°S Lon: 155.68°E M: 6.0 Depth: 68 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	C 1734 48.79
TENK HZ EP	1734 51.77
PSZ SZ EP	C 1734 52.35
CSKK SZ EP	1734 54.13
TIH SZ EP	1734 55.03
MORH SZ EP	1734 55.30
SOP SZ EP	1734 55.87
BEHE SZ EP	1734 57.39
TRPA SZ EPP	1736 35.89
PSZ SZ EPP	1736 44.27
CSKK SZ EPP	1736 54.50
SOP SZ EPP	D 1736 55.73
MORH SZ EPP	1736 57.16
TRPA SN ES	1746 28.85
PSZ SN ES	1746 46.22
SOP SN ES	1746 49.95
CSKK SN ES	1746 54.08
TIH SZ ES	1746 56.15
MORH SN ES	1746 59.87

### July 05 2013 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	0726 30.04
MORH SN ESG	0726 35.99

### July 05 2013 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	1103 05.00
PSZ SN ESG	1103 10.52

### July 05 2013 Hour: 19:35:00.0 Lat: 47.63°N Lon: 20.24°E M: Depth: 0 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TENK HZ EPg	1934 58.95
TENK HN ESG	1935 00.16
PSZ SZ EPg	1935 08.19
PSZ SZ E	1935 08.36
PSZ SN ESG	1935 10.82
PSZ SN I	C 1935 15.79
PSZ SN E	C 1935 18.46

**July 06 2013 Hour: 05:05:08.0 Lat: 3.26°S Lon: 100.53°E M: 6.0 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0517 38.22  
 TENK HZ EP 0517 43.05  
 AMBH HZ EP C 0517 43.80  
 PSZ SZ EP 0517 44.66  
 MORH SZ EP C 0517 48.42  
 BUD SZ EP C 0517 48.87  
 CSKK SZ EP 0517 50.56  
 TIH SZ EP 0517 51.64  
 BEHE SZ EP 0517 53.25  
 SOP SZ EP 0517 55.93  
 TRPA SN IS 0528 03.56  
 TENK HN IS 0528 18.36  
 PSZ SN IS 0528 18.67  
 MORH SZ IS 0528 27.17  
 CSKK SN IS 0528 28.43  
 TIH SN IS 0528 29.38  
 BEHE SN IS 0528 40.08  
 SOP SN IS 0528 41.97

**July 06 2013 Hour: 06:53:14.0 Lat: 46.00°N Lon: 150.60°E M: 4.9 Depth: 116 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0704 48.15  
 PSZ SZ EP C 0704 54.75  
 CSKK SZ EP 0704 58.71  
 BUD SZ EP C 0704 58.83  
 AMBH HZ EP D 0705 01.11  
 SOP SZ EP C 0705 02.94  
 MORH SZ EP C 0705 04.35  
 TIH SZ EP 0705 04.62  
 TENK HZ EP 0705 14.39

**July 07 2013 Hour: 18:35:31.0 Lat: 3.91°S Lon: 153.92°E M: 7.3 Depth: 388 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1853 34.14  
 TIH SZ EP 1853 39.71  
 AMBH HZ EP 1853 39.79  
 PSZ SZ EP 1853 39.84  
 BUD SZ EP 1853 40.41  
 MORH SZ EP 1853 40.62  
 CSKK SZ EP 1853 41.01  
 SOP SZ EP 1853 41.01  
 TENK HZ EP 1853 43.21  
 TRPA SZ EPP 1855 11.04  
 BUD SZ EPP 1855 20.13  
 PSZ SZ EPP 1855 20.19  
 TENK HZ EPP 1855 24.31  
 CSKK SZ EPP 1855 26.14  
 SOP SZ EPP 1855 26.14  
 MORH SZ EPP 1855 27.06  
 TIH SZ EPP 1855 32.09  
 TRPA SN ESP 1904 21.76

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SOP SZ ESP	1904	53.21
BEHE SN ESP	1905	23.63
PSZ SZ ESP	1905	24.15
MORH SN ESP	1905	26.21
TIH SZ ESP	1906	10.55
TENK HN ESP	1906	57.98

**July 07 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
SOP SZ EP	1903	36.30
MORH SZ EP	1903	40.84
TIH SZ EP	1903	41.67
CSKK SZ EP	1903	45.17
BUD SZ EP	1903	46.41
PSZ SZ EP	1903	48.68
TRPA SZ EP	1903	53.64
TENK HZ EP	1903	53.84

**July 07 2013 Hour: 20:18:03.0 Lat: 51.27°N Lon: 179.94°W M: 5.5 Depth: 44 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7			
TRPA SZ EP	C	2030	03.69
PSZ SZ EP	C	2030	07.23
TENK HZ EP		2030	08.78
BUD SZ EP	C	2030	10.29
SOP SZ EP	C	2030	10.76
CSKK SZ EP	C	2030	11.44
TIH SZ EP	C	2030	14.04
AMBH HZ EP	C	2030	15.01
BEHE SZ EP	D	2030	15.82
MORH SZ EP		2030	15.83

**July 07 2013 Hour: 20:30:09.0 Lat: 6.05°S Lon: 149.79°E M: 6.6 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7			
TRPA SZ EP	2048	47.92	
TENK HZ EP	2048	51.24	
PSZ SZ EP	2048	51.81	
AMBH HZ EP	2048	53.33	
CSKK SZ EP	2048	53.40	
BUD SZ EP	2048	53.59	
MORH SZ EP	2048	53.98	
TIH SZ EP	2048	55.28	
SOP SZ EP	D	2048	55.85
TRPA SZ EPP	2050	10.74	
PSZ SZ EPP	2050	21.76	
CSKK SZ EPP	2050	31.70	
MORH SZ EPP	2050	32.06	
SOP SZ EPP	2050	35.97	
TIH SZ EPP	2050	36.32	
TRPA SN ESP	2059	56.40	
PSZ SN ESP	2100	15.67	
CSKK SN ESP	2100	20.49	
MORH SN ESP	2100	23.24	
TIH SN ESP	2100	27.37	

SOP SN ESP 2100 32.19

**July 08 2013 Hour: 02:52:46.0 Lat: 13.33°N Lon: 89.13°W M: 5.9 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK HZ EP 0305 35.24  
 AMBH HZ EP 0305 36.98  
 SOP SZ EP D 0305 37.41  
 TRPA SZ EP 0305 38.50  
 BUD SZ EP 0305 41.80  
 TIH SZ EP 0305 42.35  
 PSZ SZ EP 0305 43.09  
 MORH SZ EP D 0305 45.04  
 CSKK SZ EP 0305 49.32

**July 08 2013 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 1522 44.79  
 PSZ SN ESg 1522 47.86

**July 08 2013 Hour: 15:30:28.0 Lat: 16.63°N Lon: 40.84°E M: 5.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 AMBH HZ EP C 1537 13.07  
 TRPA SZ EP 1537 18.30  
 MORH SZ EP 1537 18.42  
 CSKK SZ EP C 1537 20.68  
 SOP SZ EP 1537 22.57  
 TENK HZ EP 1537 25.42  
 TIH SZ EP 1537 26.25  
 PSZ SZ EP 1537 26.25  
 BUD SZ EP D 1537 26.50  
 MORH SZ EPP 1538 34.75  
 TRPA SZ EPP 1538 35.77  
 PSZ SZ EPP 1538 45.35  
 TIH SZ EPP 1538 47.40  
 CSKK SZ EPP 1538 49.11  
 TRPA SN ES 1542 53.02  
 MORH SN ES 1542 53.47  
 TIH SN ES 1543 04.69  
 BEHE SN ES C 1543 06.03  
 PSZ SN ES 1543 06.48  
 SOP SN ES 1543 23.08

**July 08 2013 Hour: 23:31:53.0 Lat: 44.15°N Lon: 10.18°E M: 3.5 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2333 20.24  
 TIH SZ EPn 2333 21.74  
 TENK HZ EPn 2333 24.33  
 MORH SZ EPn 2333 29.85  
 CSKK SZ EPn 2333 32.25  
 PSZ SZ EPn 2333 50.76  
 TRPA SZ EPn 2334 13.25  
 SOP SN Sn 2334 24.64  
 TIH SZ Sn 2334 35.12

## CHAPTER 4. PHASE DATA

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MORH	SN	Sn	2334	42.14
CSKK	SN	Sn	2334	43.98
PSZ	SN	Sn	2335	15.60
MORH	SE	ESg	2335	16.88
PSZ	SN	ESg	2335	59.03

**July 09 2013 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 0851 05.57
CSKK SE ESg 0851 06.15

**July 09 2013 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 0927 45.88
CSKK SN ESg 0927 46.41

**July 09 2013 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 D 1357 23.20
AMBH HZ EP D 1357 25.17
PSZ SZ EP D 1357 37.32
BUD SZ EP D 1357 43.00
MORH SZ EP 1357 44.24
SOP SZ EP 1357 54.90
CSKK SZ EP 1357 54.90

**July 09 2013 Hour: 17:04:15.0 Lat: 3.34°S Lon: 100.38°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 1716 53.97
CSKK SZ EP 1716 54.06
MORH SZ EP C 1716 57.98
TENK HZ EP 1716 58.85
BUD SZ EP D 1716 59.84
TIH SZ EP 1717 03.20
SOP SZ EP 1717 06.25
TENK HN ES 1727 27.32
PSZ SN ES 1727 29.78
MORH SN ES 1727 33.95
TIH SN ES 1727 36.98
CSKK SN ES 1727 42.46
BEHE SZ ES D 1727 48.84

**July 10 2013 Hour: 05:22:14.0 Lat: 39.67°N Lon: 141.62°E M: 5.1 Depth: 79 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EP 0534 06.92
BUD SZ EP 0534 12.80
MORH SZ EP 0534 16.90

**July 10 2013 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 1113 41.84
CSKK SN ESg 1113 45.42

**July 10 2013 Hour: 14:32:12.0 Lat: 19.37°S Lon: 69.52°W M: 5.7 Depth: 113 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EP 1446 05.18  
 TENK HZ EP C 1446 09.50  
 PSZ SZ EP D 1446 09.99  
 SOP SZ EP D 1446 13.08  
 AMBH HZ EP 1446 13.39  
 CSKK SZ EP 1446 14.23  
 BEHE SZ EP 1446 14.86  
 MORH SZ EP D 1446 16.80  
 SOP SZ EP D 1446 17.03

**July 10 2013 Hour: 14:44:00.0 Lat: 30.44°S Lon: 177.37°W M: 5.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 1503 58.68  
 TIH SZ EP 1504 28.30  
 TENK HZ EP 1504 30.31  
 PSZ SN EP C 1504 31.57  
 PSZ SN ES 1504 31.59  
 AMBH HZ EP 1504 34.75  
 BUD SZ EP D 1504 35.09  
 MORH SZ EP 1504 35.72  
 BEHE SZ EP 1504 37.86

**July 10 2013 Hour: 23:33:48.0 Lat: 50.15°N Lon: 158.76°E M: 5.1 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK HZ EP C 2345 31.55  
 PSZ SZ EP C 2345 31.55  
 BUD SZ EP C 2345 35.62  
 AMBH SZ HP C 2345 37.23  
 CSKK SZ EP 2345 37.75  
 TIH SZ EP 2345 38.53  
 SOP SZ EP C 2345 38.53  
 MORH SZ EP C 2345 40.08  
 BEHE SZ EP 2345 40.08

**July 11 2013 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 0027 14.03  
 AMBH HZ EP C 0027 17.09  
 CSKK SZ EP 0027 18.32  
 BEHE SZ EP 0027 18.96  
 TENK HZ EP 0027 19.12  
 TIH SZ EP 0027 19.44  
 SOP SZ EP 0027 21.83  
 MORH SZ EP C 0027 22.30

**July 11 2013 Hour: 02:05:24.0 Lat: 12.68°N Lon: 48.22°E 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 0213 11.96  
 PSZ SZ EP 0213 15.48  
 AMBH HZ EP D 0213 17.16  
 BUD SZ EP D 0213 18.63

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TENK HZ EP	D 0213 19.01
TIH SZ EP	0213 19.01
CSKK SZ EP	0213 19.01
BEHE SZ EP	0213 22.82
SOP SZ EP	0213 29.57

**July 11 2013 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	0434 00.74
SOP SZ EPg	0434 02.68
CSKK SZ EPg	0434 23.26
TENK HZ EPg	0434 25.19

**July 11 2013 Hour: 09:46:09.0 Lat: 12.44°N Lon: 48.16°E M: 5.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
AMBH HZ EP	D 0953 52.56
TRPA SZ EP	D 0953 56.33
BEHE SZ EP	0953 57.92
MORH SZ EP	0953 58.23
PSZ SZ EP	0954 02.67
CSKK SZ EP	0954 02.98
TENK HZ EP	0954 04.41
BUD SZ EP	0954 05.67
TIH SZ EP	0954 06.79
SOP SZ EP	0954 15.97

**July 11 2013 Hour: 20:26:56.0 Lat: 13.19°N Lon: 50.46°E M: 4.6 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
AMBH HZ EP	2034 35.32
PSZ SZ EP	C 2034 49.23
MORH SZ EP	2034 49.35
SOP SZ EP	2035 05.80

**July 12 2013 Hour: 03:34:08.0 Lat: 41.09°N Lon: 20.20°E M: 2.5 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
SOP SZ EPn	D 0335 34.47
MORH SZ EPn	0335 42.21
PSZ SZ EPg	0336 02.96
SOP SN Sn	D 0336 37.88
MORH SN Sn	0336 52.11
CSKK SN Sn	0336 56.43
PSZ SN Sn	0337 24.14

**July 12 2013 Hour: Lat: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPg	0919 04.76
MORH SN ESG	C 0919 11.27

**July 12 2013 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 1239 53.26
MORH SN ESG	1240 07.18

**July 12 2013 Hour: 19:59:49.0 Lat: 62.08°N Lon: 124.54°W M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EP 2010 33.96  
 TENK HZ EP 2010 35.37  
 SOP SZ EP C 2010 37.70  
 PSZ SZ EP C 2010 40.96  
 MORH SZ EP 2010 48.68  
 BEHE SZ EP 2010 48.68  
 BUD SZ EP D 2010 49.26  
 CSKK SZ EP 2010 49.66  
 AMBH HZ EP 2010 54.57

**July 13 2013 Hour: 04:15:11.0 Lat: 51.64°N Lon: 16.07°E M: 3.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0416 11.46  
 PSZ SZ EPn 0416 19.01  
 BUD SZ EPn 0416 20.31  
 CSKK SZ EPn 0416 20.67  
 TIH SZ EPn 0416 23.50  
 BEHE SZ EPn 0416 31.77  
 MORH SZ EPn 0416 36.73  
 SOP SN Sn 0417 01.33  
 CSKK SN Sn 0417 14.80  
 SOP SN ESg 0417 18.21  
 TIH SN Sn 0417 20.65  
 PSZ SN ESg 0417 35.08  
 MORH SN Sn 0417 40.88

**July 13 2013 Hour: 18:47:18.0 Lat: 44.96°N Lon: 14.89°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 1847 55.86  
 MORH SZ EPn 1848 02.65  
 TIH SZ EPn 1848 04.68  
 SOP SZ EPn 1848 04.80  
 CSKK SZ EPn 1848 06.53  
 PSZ SZ EPn 1848 24.99  
 TIH SN Sn 1848 37.35  
 MORH SN Sn 1848 41.07  
 MORH SN ESg 1848 50.11  
 SOP SN Sn 1848 51.85  
 CSKK SN Sn 1848 51.85  
 PSZ SN Sn 1849 14.21

**July 15 2013 Hour: 13:41:39.0 Lat: 23.87°N Lon: 122.86°E M: 5.3 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK HZ EP 1353 50.15  
 TIH SZ EP 1353 50.31  
 PSZ SZ EP C 1353 50.37  
 BEHE SZ EP 1353 52.17  
 CSKK SZ EP 1353 57.48  
 MORH SZ EP C 1353 58.30  
 SOP SZ EP 1354 00.77  
 BUD SZ EP 1355 50.14

**July 15 2013 Hour: 14:02:32.0 Lat: 19.30°N Lon: 70.15°W 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 1414 15.63  
PSZ SZ EP 1414 17.77

**July 15 2013 Hour: 13:59:04.0 Lat: 15.39°S Lon: 173.00°W M: 5.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1418 29.16  
SOP SZ EP 1418 30.54  
BEHE SZ EP 1418 31.91  
TIH SZ EP 1418 32.46  
TENK HZ EP 1418 36.32  
CSKK SZ EP 1418 37.69  
PSZ SZ EP 1418 40.44

**July 15 2013 Hour: 14:03:41.0 Lat: 60.94°S Lon: 25.11°W M: 7.3 Depth: 24 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1418 30.98  
TIH SZ EP 1418 32.46  
TENK HZ EP 1418 36.32  
SOP SZ EP 1418 36.93  
CSKK SZ EP 1418 37.69  
BEHE SZ EP 1418 41.47  
PSZ SZ EP 1418 43.57  
BUD SZ EP 1418 47.95  
AMBH HZ EP 1418 50.17  
PSZ SZ EPP 1423 01.03  
BEHE SZ EPP 1423 01.67  
MORH SZ EPP 1423 02.31  
TIH SZ EPP 1423 04.86  
SOP SZ EPP 1423 06.78  
CSKK SZ EPP 1423 11.25  
TENK HZ EPP 1423 13.49  
TIH SZ ESP 1432 38.32  
BEHE SN ESP 1432 42.76  
MORH SN ESP 1432 43.65  
CSKK SZ ESP 1432 47.20  
SOP SN ESP 1432 51.63  
PSZ SN ESP 1432 53.41  
TENK HN ESP 1432 56.07  
BEHE SN ESS 1438 54.99  
MORH SN ESS 1438 57.40  
CSKK SN ESS 1438 58.21  
SOP SN ESS 1439 03.03  
TIH SZ ESS 1439 04.63  
TENK HN ESS 1439 11.06  
PSZ SN ESS D 1439 11.86

**July 15 2013 Hour: 22:45:57.9 Lat: 39.63°N Lon: 142.20°E M: 5.3 Depth: 54 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 2257 55.40  
SOP SZ EP 2258 04.29

MORH SZ EP        2258 04.51

**July 16 2013 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        0217 09.44  
 CSKK SZ EPn        0217 10.11

**July 16 2013 Hour: 02:44:55.0 Lat: 51.46°N Lon: 16.21°E M: 3.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn        0246 00.93  
 SOP SZ EPg        0246 05.05  
 CSKK SZ EPn        0246 07.55  
 BEHE SZ EPn        0246 13.28  
 MORH SZ EPn        0246 17.76  
 PSZ SZ EPg        0246 18.48  
 PSZ SN Sn        0246 49.28  
 SOP SN Sn        0246 59.95  
 CSKK SN ESg        0247 09.06  
 PSZ SN ESg        0247 11.23  
 MORH SN Sn        0247 21.87  
 BEHE SN ESg        0247 40.41

**July 16 2013 Hour: 14:09:27.0 Lat: 43.06°N Lon: 145.45°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 IP        C 1421 11.86  
 BEHE SZ IP        1421 15.21  
 PSZ SZ IP        C 1421 19.04  
 BUD SZ IP        C 1421 23.22  
 LTVH SZ IP        1421 23.82  
 AMBH HZ IP        C 1421 24.32  
 CSKK SZ IP        1421 24.77  
 SOP SZ IP        C 1421 27.88  
 MORH SZ IP        C 1421 28.12  
 BEHE SZ EP        1421 31.78

**July 16 2013 Hour: 23:41:12.0 Lat: 5.47°N Lon: 97.96°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ IP        2352 48.70  
 TRPA SZ IP        C 2353 00.84  
 LTVH SZ IP        2353 03.22  
 AMBH HZ IP        C 2353 07.21  
 PSZ SZ IP        C 2353 10.54  
 BUD SZ IP        C 2353 13.45  
 MORH SZ IP        C 2353 13.97  
 CSKK SZ EP        2353 16.35  
 TIH SZ IP        C 2353 17.40  
 SOP SZ EP        C 2353 22.24  
 BEHE SZ IP        C 2353 22.25

**July 17 2013 Hour: 02:37:43.0 Lat: 15.64°S Lon: 71.81°W M: 6.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SN EP        0302 20.59  
 PSZ SZ EP        0302 22.60

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PSZ SE EP	0302 23.64
TRPA SZ EP	0302 29.60
TRPA SE IP	C 0302 32.98
TRPA SN EP	0302 33.50
AMBH HZ EP	D 0304 47.70
PSZ SZ ESP	0304 50.99
PSZ SN ESP	0304 58.78
PSZ SE ESP	0304 59.30
TRPA SE ESP	0305 11.75
TRPA SZ ESP	0305 12.79
TRPA SN ESP	0305 13.31

### July 17 2013 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 0929 36.43  
PSZ SN ESg 0929 49.33

### July 18 2013 Hour: 23:44:13.0 Lat: 39.07°N Lon: 142.09°E M: 4.9 Depth: 51 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 2356 06.17  
PSZ SZ EP 2356 18.21  
SOP SZ EP 2356 22.62

### July 19 2013 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 0651 32.72  
CSKK SN ESg 0651 34.06

### July 19 2013 Hour: 11:40:39.0 Lat: 30.49°S Lon: 176.31°W M: 5.8 Depth: 2 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 1200 17.91  
PSZ SZ EP 1200 28.92  
SOP SZ EP 1200 34.75  
BEHE SZ EP 1200 37.99

### July 19 2013 Hour: 16:39:20.0 Lat: 37.61°N Lon: 141.48°E M: 5.4 Depth: 46 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 1651 18.99  
PSZ SZ IP C 1651 25.70  
TENK HZ EP 1651 28.19  
BUD SZ IP C 1651 30.99  
AMBH HZ IP C 1651 31.67  
TIH SZ IP 1651 33.16  
SOP SZ IP C 1651 35.14  
MORH SZ IP C 1651 35.39  
BEHE SZ IP C 1651 38.87  
LTVH SZ EP 1651 39.62  
CSKK SZ EP 1651 44.34

### July 19 2013 Hour: 21:07:04.0 Lat: 43.84°N Lon: 20.67°E M: 2.9 Depth: 4 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2107 47.24  
MORH SZ EPg 2107 55.88

TIH SZ EPn	2107	59.53
CSKK SZ EPn	C 2108	03.13
BEHE SZ EPn	2108	03.83
PSZ SZ EPn	2108	05.53
SOP SZ EPn	2108	15.38
BEHE SZ ESg	2108	19.61
MORH SN Sn	2108	22.18
MORH SN ESg	2108	33.22
TIH SN Sn	2108	44.10
BEHE SN Sn	2108	47.88
CSKK SN Sn	2108	49.79
SOP SN Sn	2109	09.79
TENK HN Sn	2109	19.00

**July 20 2013 Hour: 06:06:23.0 Lat: 36.21°N Lon: 141.82°E M: 5.6 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ IP	C 0618	31.29
LTVH SZ IP	0618	37.00
TENK HZ EP	0618	38.79
PSZ SZ IP	C 0618	39.14
BUD SZ IP	C 0618	43.15
AMBH HZ EP	C 0618	43.46
CSKK SZ EP	D 0618	45.01
TIH SZ EP	0618	45.75
SOP SZ IP	C 0618	48.07
MORH SZ IP	C 0618	48.07
BEHE SZ EP	C 0618	51.82

**July 20 2013 Hour: 19:17:09.0 Lat: 41.67°S Lon: 174.42°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	1937	04.81
LTVH SZ EP	C 1937	08.72
PSZ SZ EP	C 1937	08.94
TENK HZ EP	1937	09.16
MORH SZ EP	1937	09.81
BUD SZ EP	1937	10.17
SOP SZ EP	1937	10.89
AMBH SZ EP	1937	10.92
CSKK SZ EP	1937	11.33
BEHE SZ EP	C 1937	11.33
TIH SZ EP	1937	11.98
TRPA SZ EPP	1941	24.23
LTVH SZ EPP	1941	24.23
TENK HZ EPP	1941	28.14
PSZ SZ EPP	1941	35.97
TIH SZ EPP	1941	38.77
MORH SZ EPP	1941	38.77
SOP SZ EPP	1941	39.33
BEHE SZ EPP	1941	47.15

**July 20 2013 Hour: 22:13:19.0 Lat: 36.71°N Lon: 71.45°E M: 4.6 Depth: 219 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EP	D 2220	11.13

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PSZ SZ EP	2220 24.80
MORH SZ EP	D 2220 33.33
BEHE SZ EP	2220 43.27
SOP SZ EP	D 2220 43.47

**July 21 2013 Hour: 01:32:24.0 Lat: 43.53°N Lon: 14.74°E M: 5.0 Depth: 5 km**

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

AMBH HZ EPn	0133 25.98
TIH SZ EPn	0133 28.66
BEHE SZ EPn	0133 29.48
MORH SZ EPn	0133 32.26
SOP SZ EPn	0133 35.28
CSKK SZ EPn	0133 48.02
BUD SZ EPn	0133 50.33
TRPA SZ EPn	0134 19.33
PSZ SZ EPn	0134 24.20
BEHE SN Sn	0134 27.14
TIH SN ESg	0134 32.31
TENK HZ EPn	0134 44.74
MORH SN Sn	0134 46.69
LTVH SZ EPn	0134 48.65
SOP SN Sn	0134 53.54
CSKK SN Sn	0134 56.47
PSZ SN Sn	0135 51.23
TENK HN Sn	0136 04.92
TRPA SN ESg	0136 13.22
LTVH SN Sn	0136 20.57
TRPA SN Sn	0136 57.73

**July 21 2013 Hour: 03:07:25.0 Lat: 43.51°N Lon: 13.73°E M: 4.0 Depth: 2 km**

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

BEHE SZ EPn	0308 32.58
MORH SZ EPn	0308 33.19
TIH SZ EPn	0308 34.30
SOP SZ EPn	0308 37.82
MORH SZ EPg	0308 49.30
CSKK SZ EPn	0308 51.31
TIH SZ EPg	0308 54.08
PSZ SZ EPn	0308 58.77
TRPA SZ EPn	0309 18.51
BEHE SN Sn	0309 20.45
TENK HZ EPn	0309 22.45
MORH SN Sn	0309 24.70
TIH SN Sn	0309 28.61
SOP SN Sn	0309 29.71
CSKK SN Sn	0309 43.59
MORH SN ESg	0309 46.37
TRPA SZ EPg	0309 56.79
SOP SN ESg	0309 57.69
PSZ SN Sn	0310 09.48
LTVH SN Sn	0310 12.06
TENK HN Sn	0310 42.58
TRPA SN Sn	0310 51.41

**July 21 2013 Hour: 05:09:30.0 Lat: 41.74°S Lon: 174.52°E M: 6.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD SZ EP 0529 27.79  
 TRPA SZ EP D 0529 28.07  
 TIH SZ EP 0529 29.67  
 LTVH SZ EP D 0529 30.21  
 BEHE SZ EP 0529 30.21  
 TENK HZ EP 0529 30.74  
 SOP SZ EP 0529 30.74  
 CSKK SZ EP 0529 31.27  
 MORH SZ EP D 0529 31.28  
 PSZ SZ EP 0529 31.46  
 AMBH HZ EP 0529 32.27  
 TRPA SZ EPP 0533 45.37  
 TENK HZ EPP 0533 48.98  
 PSZ SZ EPP 0533 49.88  
 LTVH SZ EPP 0533 49.88  
 MORH SZ EPP 0533 50.78  
 TIH SZ EPP 0533 52.59  
 AMBH HZ EPP 0533 53.76  
 BEHE SZ EPP 0533 54.39  
 SOP SZ EPP 0533 59.80  
 CSKK SZ EPP 0534 02.51  
 TRPA SN ESS 0552 34.68  
 TIH SN ESS 0553 42.87  
 LTVH SE ESS 0554 35.02  
 SOP SN ESS 0554 43.04  
 PSZ SE ESS 0554 43.04  
 MORH SE ESS 0554 55.07

**July 21 2013 Hour: 07:03:20.0 Lat: 35.70°N Lon: 140.65°E M: 4.9 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0715 33.77  
 CSKK SZ EP 0715 41.55

**July 21 2013 Hour: 09:51:07.8 Lat: 5.54°S Lon: 146.04°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 1005 06.42  
 PSZ SZ EP 1005 14.35  
 SOP SZ EP 1005 22.86

**July 21 2013 Hour: 23:45:57.0 Lat: 34.55°N Lon: 104.25°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 SZ EP C 2356 04.56  
 LTVH SZ EP C 2356 09.59  
 TENK HZ EP 2356 15.68  
 PSZ SZ EP C 2356 16.61  
 AMBH HZ EP 2356 17.45  
 BUD SZ EP C 2356 21.45  
 CSKK SZ EP C 2356 24.45  
 MORH SZ EP 2356 25.81  
 TIH SZ EP C 2356 27.35

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SOP SZ EP C 2356 31.18  
BEHE SZ EP C 2356 33.10

**July 22 2013 Hour: 01:12:35.0 Lat: 34.60°N Lon: 104.12°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 0122 42.61  
LTVH SZ IP C 0122 47.43  
TENK HZ IP C 0122 53.32  
PSZ SZ IP C 0122 54.39  
AMBH HZ IP 0122 55.98  
BUD SZ IP 0122 59.62  
CSKK SZ IP C 0123 01.35  
TIH SZ IP C 0123 03.75  
MORH SZ IP C 0123 03.75  
SOP SZ IP C 0123 08.57  
BEHE SZ IP C 0123 10.98

**July 22 2013 Hour: 07:01:42.0 Lat: 46.16°S Lon: 34.85°E M: 6.3 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ IP C 0714 58.82  
AMBH HZ EP 0714 59.88  
BEHE SZ EP 0715 01.60  
BEHE SZ IP C 0715 02.91  
TIH SZ EP 0715 03.20  
LTVH SZ IP C 0715 03.23  
TRPA SZ EP 0715 03.86  
CSKK SZ EP 0715 04.17  
BUD SZ EP 0715 04.70  
TENK HZ EP 0715 04.94  
SOP SZ IP C 0715 07.32  
PSZ SZ IP 0715 07.32

**July 22 2013 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 1005 54.54  
PSZ SN ESG 1006 00.50

**July 23 2013 Hour: 03:02:12.0 Lat: 37.12°N Lon: 140.70°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 0314 17.42  
PSZ SZ EP 0314 22.96  
MORH SZ EP 0314 32.07

**July 24 2013 Hour: 03:32:35.0 Lat: 23.23°S Lon: 177.07°W M: 6.0 Depth: 170 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKiKP 0352 04.31  
SOP SZ EPKiKP 0352 06.31  
PSZ SZ EPKiKP 0352 06.76  
LTVH SZ EPKiKP 0352 06.98  
BEHE SZ EPKiKP 0352 07.21  
CSKK SZ EPKiKP 0352 07.44  
TENK HZ EPKiKP 0352 09.01  
BUD SZ EPKiKP 0352 10.36

TIH SZ EPKiKP 0352 11.95  
AMBH HZ EPKiKP 0352 12.53

**July 24 2013 Hour: 13:59:24.0 Lat: 51.36°N Lon: 178.98°W M: 5.4 Depth: 54 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1411 22.77  
PSZ SZ EP 1411 26.55  
MORH SZ EP 1411 33.24

**July 24 2013 Hour: 21:39:23.0 Lat: 3.50°S Lon: 101.54°E M: 5.2 Depth: 56 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 2150 38.07  
TENK HZ EP 2151 58.68  
MORH SZ EP 2152 05.31  
CSKK SZ EP 2152 08.67  
TIH SZ EP D 2152 08.89  
BEHE SZ EP 2152 12.72

**July 25 2013 Hour: 19:05:07.0 Lat: 40.21°N Lon: 142.40°E M: 5.0 Depth: 44 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 1916 56.14  
PSZ SZ EP C 1917 04.39  
BUD SZ EP C 1917 08.01  
MORH SZ EP C 1917 13.03  
SOP SZ EP C 1917 13.15  
BEHE SZ EP 1917 17.03  
AMBH HZ EP 1917 21.79

**July 26 2013 Hour: 07:07:17.0 Lat: 15.38°S Lon: 167.66°E M: 6.1 Depth: 132 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 0726 22.10  
LTVH SZ EPKiKP C 0726 23.93  
TENK HZ EPKiKP 0726 24.81  
PSZ SZ EPKiKP 0726 25.46  
BEHE SZ EPKiKP 0726 26.33  
AMBH HZ EPKiKP 0726 28.50  
SOP SZ EPKiKP C 0726 28.07  
BUD SZ EPKiKP 0726 28.68  
MORH SZ EPKiKP 0726 28.94

**July 26 2013 Hour: 08:37:05.1 Lat: 2.28°N Lon: 127.23°E M: 4.7 Depth: 36 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0843 14.21  
CSKK SZ EP 0843 20.83  
MORH SZ EP C 0843 22.33

**July 26 2013 Hour: 14:36:23.0 Lat: 0.37°S Lon: 99.27°E M: 4. Depth: 80 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EP 1449 00.90  
CSKK SZ EP 1449 05.07

**July 26 2013 Hour: Lat: Lon: M: Depth:**

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

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MORH SZ EP        1635 42.56

**July 26 2013 Hour: 17:22:41.0 Lat: 44.55°N Lon: 17.66°E M: 3.5 Depth: 4 km**

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

MORH SZ EPn        1723 12.15

BEHE SZ EPn        1723 15.42

TIH SZ EPn        1723 20.17

TIH SZ ESg        1723 26.26

CSKK SZ EPn        1723 27.38

BUD SZ EPn        1723 30.00

SOP SZ EPn        1723 32.30

AMBH HZ EPn        1723 35.86

PSZ SZ EPn        1723 37.87

MORH SN Sn        1723 40.00

BEHE SN Sn        1723 41.48

BEHE SN ESg        1723 49.75

TIH SN Sn        1723 51.58

PSZ SZ ESg        1723 51.58

AMBH HN Sn        1724 10.54

SOP SN Sn        1724 12.12

PSZ SN Sn        1724 19.82

PSZ SN ESg        1724 37.15

**July 26 2013 Hour: 19:08:30.0 Lat: 23.23°S Lon: 179.24°E M: 5.2 Depth: 563 km**

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

TRPA SZ EP        D 1927 15.63

LTVH SZ EP        D 1927 17.68

PSZ SZ EP        D 1927 18.77

TENK HZ EP        D 1927 19.18

BUD SZ EP        D 1927 20.67

AMBH HZ EP        D 1927 21.57

TIH SZ EP        D 1927 22.47

SOP SZ EP        D 1927 22.47

MORH SZ EP        D 1927 22.74

BEHE SZ EP        D 1927 23.97

**July 26 2013 Hour: 21:33:04.0 Lat: 58.17°S Lon: 24.22°W M: 6.3 Depth: 60 km**

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

BEHE SZ EPKiKP        2151 57.34

MORH SZ EPKiKP        2151 57.61

TIH SZ EPKiKP        2152 01.30

TRPA SZ EPKiKP        2152 05.00

LTVH SZ EPKiKP        2152 05.93

PSZ SZ EPKiKP        2152 06.39

SOP SZ EPKiKP        2152 06.85

TIH SZ ESP        2201 47.36

SOP SZ ESP        2201 51.16

MORH SZ ESP        2201 52.42

LTVH SN ESP        2201 52.42

PSZ SZ ESP        2202 00.02

TRPA SN ESP        2202 00.02

MORH SN ESS        C 2207 33.15

TIH SN ESS        2207 38.22

SOP	SN	ESS	2207	49.62
PSZ	SE	ESS	2207	53.42
LTVH	SN	ESS	2207	58.48
TRPA	SN	ESS	2208	08.62

**July 26 2013 Hour: 22:54:56.9 Lat: 22.93°S Lon: 169.92°E M: 4.6 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPKiKP 2314 32.51  
 LTVH SZ EPKiKP 2314 34.78  
 AMBH HZ EPKiKP D 2314 39.47  
 MORH SZ EPKiKP 2314 41.92  
 TENK HZ EPKiKP D 2314 42.30

**July 27 2013 Hour: 01:09:04.0 Lat: 33.04°N Lon: 141.72°E M: 5.4 Depth: 43 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0121 23.05  
 LTVH SZ EP C 0121 28.62  
 PSZ SZ EP 0121 28.91  
 TENK HZ EP 0121 29.50  
 BUD SZ EP 0121 34.12  
 AMBH HZ EP 0121 34.40  
 TIH SZ EP 0121 38.30  
 MORH SZ EP 0121 39.48  
 SOP SZ EP 0121 40.36  
 CSKK SZ EP C 0121 42.71  
 BEHE SZ EP 0121 43.29  
 TIH SZ EPP 0125 03.44  
 SOP SZ EPP 0125 04.13  
 MORH SZ EPP 0125 04.13  
 TRPA SN ES 0131 38.87  
 LTVH SN ES 0131 52.88  
 TIH SZ ES 0131 54.48  
 PSZ SN ES 0131 54.88  
 SOP SN ES 0132 06.88  
 MORH SN ES 0132 10.89  
 CSKK SN ES 0132 11.29  
 BEHE SN ES 0132 23.29

**July 27 2013 Hour: 01:24:26.0 Lat: 41.94°N Lon: 23.19°E M: 3.9 Depth: 4 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0125 45.56  
 LTVH SZ EPn 0125 48.93  
 TIH SZ EPn 0125 58.10  
 TRPA SZ EPn 0125 59.39  
 BEHE SZ EPn 0126 01.50  
 PSZ SZ EPn 0126 07.10  
 CSKK SZ ESG 0126 14.82  
 SOP SZ EPn 0126 15.57  
 MORH SN Sn 0126 43.44  
 LTVH SN Sn 0126 53.78  
 TIH SN Sn 0127 07.34  
 TRPA SN Sn 0127 11.32  
 CSKK SN Sn 0127 13.31

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PSZ	SN	Sn	0127	13.81
BEHE	SN	Sn	0127	18.54
LTVH	SN	ESg	0127	28.30
SOP	SN	Sn	0127	32.98
TRPA	SN	ESg	0127	46.17

**July 27 2013 Hour: 01:48:33.0 Lat: 41.93°N Lon: 23.21°E M: 3.8 Depth: 2 km**

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

MORH	SZ	EPn	0149	52.85
LTVH	SZ	EPn	0149	55.53
TRPA	SZ	EPn	0150	06.23
TIH	SZ	EPn	0150	07.08
CSKK	SZ	EPn	0150	08.41
PSZ	SZ	EPn	0150	08.93
LTVH	SZ	EPg	0150	15.88
SOP	SZ	EPn	0150	22.05
TRPA	SZ	ESg	0150	27.45
MORH	SN	Sn	0150	51.56
LTVH	SN	Sn	0151	02.25
TIH	SN	Sn	0151	12.77
TRPA	SN	Sn	0151	16.82
PSZ	SN	Sn	0151	17.40
CSKK	SN	Sn	0151	20.37
LTVH	SN	ESg	0151	30.61
SOP	SN	Sn	0151	42.09
TRPA	SN	ESg	0151	50.19

**July 27 2013 Hour: 03:17:02.0 Lat: 41.94°N Lon: 23.18°E M: 3.6 Depth: 3 km**

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

MORH	SZ	EPn	0318	20.35
LTVH	SZ	EPn	0318	22.50
TIH	SZ	EPn	0318	32.84
TRPA	SZ	EPn	0318	34.17
CSKK	SZ	EPn	0318	38.27
PSZ	SZ	EPn	0318	39.50
BEHE	SZ	EPn	0318	40.31
SOP	SZ	EPn	0318	51.37
TRPA	SZ	EPg	0318	56.90
MORH	SN	Sn	0319	21.83
TIH	SN	Sn	0319	43.53
BUD	SN	ESn	0319	44.64
CSKK	SN	Sn	0319	47.88
PSZ	SN	Sn	0319	48.79
BEHE	SN	Sn	0319	48.90
LTVH	SN	Sn	0319	52.08
SOP	SN	Sn	0320	08.85
TRPA	SN	ESg	0320	23.30

**July 27 2013 Hour: 03:21:56.0 Lat: 41.94°N Lon: 23.20°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	EPn	0323	15.60
LTVH	SZ	EPn	0323	19.32
TIH	SZ	EPn	0323	27.75

TRPA SZ EPn	0323	28.56
CSKK SZ EPn	0323	30.96
BEHE SZ EPn	0323	36.16
PSZ SZ EPn	0323	36.64
SOP SZ EPn	0323	43.95
TRPA SZ EPg	0323	51.96
MORH SN Sn	0324	14.63
BUD SN ESn	0324	38.49
PSZ SN Sn	0324	40.09
CSKK SN Sn	0324	42.52
BEHE SN Sn	0324	45.75
LTVH SN ESG	0324	53.43
SOP SN Sn	0325	07.57
TRPA SN ESG	0325	16.06
TIH SN ESG	0325	16.06

**July 27 2013 Hour: 04:38:32.0 Lat: 40.14°N Lon: 21.84°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 SZ EPn	0440	06.27
PSZ SZ EPn	0440	29.40
MORH SN Sn	0441	25.11
PSZ SN Sn	0441	58.81

**July 28 2013 Hour: 07:21:04.0 Lat: 52.28°N Lon: 159.66°E M: 5.1 Depth: 28 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EP D	0732	34.70
PSZ SZ EP	0732	40.89
BUD SZ EP D	0732	44.25
AMBH HZ EP	0732	47.60
SOP SZ EP	0732	48.28
LTVH SZ EP	0732	48.39
BEHE SZ EP	0732	54.23

**July 28 2013 Hour: 11:36:00.0 Lat: 31.08°N Lon: 137.92°E M: 5.3 Depth: 454 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EP D	1147	33.66
PSZ SZ EP	1147	40.74
AMBH HZ EP	1147	44.17
BUD SZ EP D	1147	44.20
MORH SZ EP	1147	48.72
SOP SZ EP	1147	49.23

**July 28 2013 Hour: 13:54:39.0 Lat: 37.95°N Lon: 20.97°E M: 4.2 Depth: 21 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
MORH SZ EPn	1356	42.38
MORH SE Sn	1358	13.46

**July 28 2013 Hour: 17:49:46.0 Lat: 39.45°N Lon: 143.28°E 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 EP	1801	46.48
PSZ SZ EP C	1801	53.74
MORH SZ EP C	1802	02.56
SOP SZ EP D	1802	02.61

**July 28 2013 Hour: 18:57:56.0 Lat: 40.99°N Lon: 34.35°E M: 4.4 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPn 1900 33.78  
MORH SZ EPn 1900 53.86  
PSZ SZ EPn 1900 53.93  
TRPA SN Sn 1902 36.84  
PSZ SE Sn 1903 03.37

**July 28 2013 Hour: 20:16:27.0 Lat: 20.61°S Lon: 174.59°E M: 5.5 Depth: 68 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPPiKP 2035 52.76  
LTVH SZ EPPiKP 2035 57.26  
PSZ SZ EPPiKP 2035 57.87  
TENK HZ EPPiKP 2035 58.07  
MORH SZ EPPiKP 2036 00.34  
AMBH HZ EPPiKP C 2036 00.91  
CSKK SZ EPPiKP 2036 01.55  
BUD SZ EPPiKP 2036 02.28  
SOP SZ EPPiKP 2036 02.37  
BEHE SZ EPPiKP 2036 04.62

**July 29 2013 Hour: 08:07:59.0 Lat: 36.55°N Lon: 70.66°E M: 5.0 Depth: 183 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0815 28.40  
TIH SZ EP 0815 39.34  
PSZ SZ EP 0815 43.10  
AMBH HZ EP 0815 44.92  
MORH SZ EP 0815 51.99  
BUD SZ EP 0815 53.77  
BEHE SZ EP 0816 02.93  
SOP SZ EP 0816 04.30

**July 29 2013 Hour: 08:12:26.0 Lat: 17.01°S Lon: 177.06°W M: 5.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 0832 04.32  
PSZ SZ EPKiKP 0832 06.58  
LTVH SZ EPKiKP 0832 07.49  
CSKK SZ EPKiKP 0832 10.43  
BUD SZ EPKiKP 0832 10.82  
SOP SZ EPKiKP 0832 11.11  
MORH SZ EPKiKP 0832 11.11  
AMBH HZ EPKiKP 0832 12.19  
TENK HZ EPKiKP 0832 12.49  
BEHE SZ EPKiKP 0832 13.14  
TIH SZ EPKiKP 0832 18.54

**July 29 2013 Hour: 18:39:31.0 Lat: 49.82°N Lon: 18.47°E M: 3.0 Depth: 152 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1840 08.50  
CSKK SZ EPn 1840 09.97  
PSZ SZ EPg 1840 12.31  
SOP SZ EPn 1840 12.92

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CSKK	SZ	EPg	1840	16.73
SOP	SZ	EPg	1840	20.18
TRPA	SZ	EPn	1840	22.88
MORH	SZ	EPn	1840	28.53
TRPA	SZ	EPg	1840	31.36
PSZ	SN	Sn	1840	32.71
SOP	SE	Sn	1840	40.21
CSKK	SN	Sn	1840	44.63
TRPA	SN	Sn	1840	54.34
MORH	SN	Sn	1841	09.95
TRPA	SN	ESg	1841	15.24

**July 29 2013 Hour: 21:33:36.0 Lat: 36.78°N Lon: 71.24°E M: 4.6 Depth: 250 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP		2140	42.72											
LTVH	SZ	EP		2140	47.68											
SOP	SZ	EP		2141	14.72											
PSZ	SZ	EP		2142	12.93											

**July 29 2013 Hour: 23:32:16.0 Lat: 51.57°N Lon: 16.10°E M: 3.8 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
SOP	SZ	EPn		2333	17.55											
PSZ	SZ	EPn		2333	23.43											
TENK	HZ	EPn		2333	28.80											
SOP	SZ	EPg		2333	30.75											
TRPA	SZ	EPn		2333	37.54											
MORH	SZ	EPn		2333	39.62											
SOP	SN	Sn		2334	04.71											
SOP	SN	ESg		2334	16.21											
PSZ	SN	ESg		2334	40.17											
MORH	SN	Sn		2334	52.05											

**July 30 2013 Hour: 05:33:09.0 Lat: 40.32°N Lon: 25.88°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	EPn		0535	02.92											
TRPA	SZ	EPn		0535	06.35											
TIH	SZ	EPn		0535	07.67											
PSZ	SZ	EPn		0535	13.30											
BEHE	SZ	EPn		0535	23.34											
CSKK	SZ	EPn		0535	23.34											
SOP	SZ	EPn		0535	36.89											
PSZ	SN	Sn		0536	49.39											
LTVH	SN	Sn		0537	13.98											
TRPA	SN	ESg		0537	34.47											
TENK	HN	Sn		0537	36.67											
TIH	SN	ESg	D	0537	48.02											
PSZ	SN	ESg		0537	49.28											

**July 30 2013 Hour: 12:58:33.0 Lat: 45.14°N Lon: 15.09°E M: 4.5 Depth: 20 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
BEHE	SZ	EPn		1259	08.11											
MORH	SZ	EPn		1259	14.74											
SOP	SZ	EPn	C	1259	16.19											

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TIH SZ EPn	1259	17.26
CSKK SZ EPn	1259	22.42
TIH SZ EPg	1259	22.73
MORH SZ EPg	1259	23.79
BUD SZ Pn	1259	28.67
BEHE ST ESg	1259	30.17
BEHE SN ESg	1259	30.84
PSZ SZ EPn	1259	39.08
TIH SN Sn	1259	45.11
MORH SN Sn	1259	46.26
LTVH SZ EPn	1259	47.25
TRPA SZ EPn	1259	53.78
TENK HZ EPn	1259	56.57
CSKK SN Sn	1259	58.91
SOP SN ESg	1300	01.38
BUD SN Sn	1300	09.28
LTVH SZ EPg	D 1300	13.09
CSKK SN ESg	1300	15.96
TRPA SZ EPg	1300	26.14
PSZ SN Sn	1300	27.84
LTVH SN Sn	1300	49.11
PSZ SN ESg	1300	55.72
TENK HN Sn	1301	02.40
LTVH SN ESg	1301	26.01
TRPA SN Sn	1301	52.82

**July 31 2013 Hour: 00:14:14.0 Lat: 38.13°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	
TRPA SZ EP	D 0026 16.57
PSZ SZ EP	D 0026 24.18
SOP SZ EP	0026 32.94
MORH SZ EP	0026 33.94

**July 31 2013 Hour: 01:26:54.0 Lat: 40.29°N Lon: 25.78°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 SZ EPn	0128 49.20
MORH SN Sn	0130 27.10
MORH SN ESg	0131 15.26

**July 31 2013 Hour: 05:40:51.0 Lat: 36.61°N Lon: 142.73°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	0553 01.89
PSZ SZ EP	0553 08.96
MORH SZ EP	0553 18.06
SOP SZ EP	0553 19.47
BEHE SZ EP	0553 26.89
TRPA SZ EPP	0556 05.48
PSZ SZ EPP	0556 15.43
MORH SZ EPP	0556 31.39
TRPA SN ES	0603 09.64
PSZ SN ES	0603 21.88
SOP SN ES	0603 36.99
MORH SN ES	0603 42.39

BEHE SN ES        0603 49.59

**July 31 2013 Hour: 10:36:22.0 Lat: 36.63°N Lon: 21.49°E M: 4.4 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn        1038 42.18  
 BEHE SZ EPn        1038 55.42  
 PSZ SZ EPn        1039 01.34  
 TRPA SZ EPn        1039 05.30  
 MORH SN Sn        1040 21.75  
 BEHE SN Sn        1040 41.10  
 TIH SN Sn        1040 49.66  
 PSZ SN Sn        1041 06.77  
 TRPA SN Sn        1041 11.61

**July 31 2013 Hour: 19:44:31.0 Lat: 51.12°N Lon: 178.34°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 IP        C 1956 35.64  
 PSZ SZ IP        C 1956 39.23  
 LTVH SZ IP        C 1956 40.30  
 SOP SZ IP        C 1956 43.13  
 BUD SZ IP        D 1956 43.17  
 CSKK SZ EP        1956 43.49  
 TIH SZ IP        1956 45.88  
 MORH SZ IP        C 1956 48.56  
 BEHE SZ EP        1956 49.09

**August 01 2013 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        0248 08.09  
 PSZ SN ESG        0248 31.85

**August 01 2013 Hour: 20:01:44.0 Lat: 15.30°S Lon: 173.55°W M: 6.0 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP    2021 15.13  
 LTVH SZ EPKiKP    2021 19.21  
 TENK HZ EPKiKP    2021 19.48  
 PSZ SZ EPKiKP    2021 19.62  
 TIH SZ EPKiKP    2021 22.34  
 SOP SZ EPKiKP    2021 22.75  
 MORH SZ EPKiKP    2021 22.75  
 BEHE SZ EPKiKP    2021 23.29  
 CSKK SZ EPKiKP    2021 23.43  
 BUD SZ EPKiKP    2021 34.96

**August 02 2013 Hour: 01:10:31.0 Lat: 36.68°N Lon: 43.27°E M: 4.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP        0115 09.89  
 MORH SZ EP        0115 12.40  
 CSKK SZ EP        0115 18.62

**August 02 2013 Hour: 01:38:47.0 Lat: 28.04°S Lon: 63.02°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 EP        0151 16.45

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TRPA SZ EP	0151 16.83
LTVH SZ EP	0151 17.41
PSZ SZ EP	0151 19.74
TIH SZ EP	0151 20.95
SOP SZ EP	0151 27.50

**August 02 2013 Hour: 02:32:47.0 Lat: 33.33°N Lon: 75.99°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	0240 41.44
LTVH SZ EP	C 0240 44.91
TENK HZ EP	0240 53.59
PSZ SZ EP	C 0240 55.22
BUD SZ EP	D 0241 00.48
MORH SZ EP	C 0241 01.85
TIH SZ EP	0241 05.73
BEHE SZ EP	C 0241 12.12
SOP SZ EP	C 0241 12.87
TRPA SZ EPP	0242 22.99
PSZ SZ EPP	0242 35.76
MORH SZ EPP	0242 37.91

**August 02 2013 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	0847 49.87
MORH SN EPg	0847 53.98
MORH SN ESG	0847 54.03

**August 02 2013 Hour: 09:29:47.0 Lat: 16.78°N Lon: 94.36°W M: 5.1 Depth: 87 km**

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

SOP SZ EP 0942 50.46

**August 02 2013 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	1214 44.08
MORH SZ EP	C 1214 50.62

**August 02 2013 Hour: 21:37:46.0 Lat: 33.49°N Lon: 75.91°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 2145 34.50
LTVH SZ EP	2145 39.81
TENK HZ EP	2145 48.37
TIH SZ EP	2145 48.37
PSZ SZ EP	C 2145 49.39
MORH SZ EP	2145 56.93
BEHE SZ EP	2146 03.60
SOP SZ EP	2146 04.63
TRPA SZ EPP	2147 16.66
MORH SZ EPP	2147 30.44
PSZ SZ EPP	2147 32.73
SOP SZ EPP	2147 35.60
BEHE SZ EPP	2147 46.94

**August 02 2013 Hour: 22:51:56.1 Lat: 4.79°S Lon: 147.27°E M: 4.7 Depth: 167 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2314 41.81  
 CSKK SZ EP 2315 06.54  
 MORH SZ EP 2315 06.64  
 SOP SZ EP 2315 13.96

**August 03 2013 Hour: 00:56:20.0 Lat: 35.03°N Lon: 137.39°E M: 5.0 Depth: 60 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0108 17.47  
 PSZ SZ EP D 0108 25.48  
 MORH SZ EP 0108 33.88  
 LTVH SZ EP 0108 34.38  
 SOP SZ EP 0108 35.37

**August 04 2013 Hour: 01:14:50.0 Lat: 44.35°N Lon: 81.58°E M: 4.7 Depth: 15 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP 0122 05.68  
 TRPA SZ EP 0122 25.73  
 MORH SZ EP 0122 51.28  
 SOP SZ EP 0122 57.80

**August 04 2013 Hour: 01:28:30.0 Lat: 49.01°S Lon: 8.52°W M: 5.4 Depth: 33 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0142 01.73  
 TIH SZ EP 0142 08.43  
 SOP SZ EP 0142 09.17

**August 04 2013 Hour: 03:28:51.0 Lat: 38.26°N Lon: 141.81°W M: 5.8 Depth: 60 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 0340 46.75  
 LTVH SZ IP 0340 51.31  
 TENK HZ IP 0340 53.99  
 PSZ SZ IP C 0340 54.14  
 BUD SZ EP D 0340 58.09  
 CSKK SZ IP 0340 59.50  
 TIH SZ IP C 0341 02.17  
 MORH SZ IP C 0341 03.12  
 SOP SZ IP C 0341 03.43  
 BEHE SZ IP C 0341 06.58  
 TRPA SZ ES 0350 29.25  
 TENK HZ ES 0350 44.18  
 SOP SZ ES 0350 50.57  
 PSZ SZ ES 0350 52.00  
 LTVH SZ ES 0350 52.00  
 TIH SZ ES 0351 05.50  
 MORH SZ ES 0351 14.03  
 BEHE SZ ES 0351 54.56

**August 04 2013 Hour: 13:22:29.0 Lat: 49.83°N Lon: 127.13°W M: 5.5 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 1334 28.00  
 PSZ SZ EP C 1334 31.53  
 TRPA SZ EP 1334 34.67

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MORH SZ EP C 1334 37.67

**August 04 2013 Hour: 15:56:34.0 Lat: 47.02°N Lon: 145.30°E M: 5.8 Depth: 366 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP D 1607 25.02  
LTVH SZ IP D 1607 30.22  
TENK HZ IP D 1607 32.13  
PSZ SZ IP D 1607 32.26  
BUD SZ IP D 1607 36.41  
CSKK SZ IP D 1607 38.17  
TIH SZ IP D 1607 40.58  
SOP SZ IP D 1607 40.62  
MORH SZ IP D 1607 41.81  
TRPA SN ES 1616 18.81  
LTVH SN ES 1616 29.44  
PSZ SN ES 1616 32.48  
TENK HE ES 1616 34.00  
CSKK SN ES 1616 47.17  
SOP SN ES 1616 49.53  
MORH SN ES C 1616 50.54

**August 05 2013 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 0052 03.03  
CSKK SN ESG 0052 04.49

**August 05 2013 Hour: 04:28:05.0 Lat: 11.88°N Lon: 58.02°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 0436 42.02  
MORH SZ EP 0436 42.58  
PSZ SZ EP 0436 50.67

**August 05 2013 Hour: 15:02:53.0 Lat: 19.38°S Lon: 169.21°E M: 4.9 Depth: 80 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKiKP 1522 14.92  
SOP SZ EPKiKP 1522 19.29

**August 06 2013 Hour: 10:41:38.0 Lat: 22.54°S Lon: 173.76°E M: 5.7 Depth: 60 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP D 1101 09.03  
LTVH SZ EPKiKP 1101 12.36  
TENK HZ EPKiKP 1101 13.20  
PSZ SZ EPKiKP 1101 14.45  
CSKK SZ EPKiKP 1101 14.45  
MORH SZ EPKiKP 1101 15.25  
SOP SZ EPKiKP 1101 16.53  
TIH SZ EPKiKP 1101 16.95  
BEHE SZ EPKiKP 1101 19.87

**August 06 2013 Hour: 14:11:52.0 Lat: 26.48°N Lon: 124.93°E M: 4.8 Depth: 206 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1423 30.36  
PSZ SZ EP D 1423 39.48

MORH SZ EP D 1423 47.34

**August 06 2013 Hour: 15:31:23.0 Lat: 31.47°N Lon: 86.56°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 D 1540 20.81  
 PSZ SZ EP 1540 35.05  
 MORH SZ EP 1540 41.57  
 SOP SZ EP 1540 50.62  
 BEHE SZ EP 1540 54.00

**August 06 2013 Hour: 16:46:22.0 Lat: 16.83°S Lon: 167.38°E M: 5.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPKiKP 1705 47.64  
 TRPA SZ EPKiKP 1705 47.82  
 MORH SZ EPKiKP 1705 48.55  
 LTVH SZ EPKiKP 1705 49.28  
 BEHE SZ EPKiKP 1705 52.91  
 SOP SZ EPKiKP 1705 54.37  
 TENK HZ EPKiKP 1705 59.46  
 TIH SZ EPKiKP 1706 02.37

**August 07 2013 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 0046 52.88  
 PSZ SN ESg 0046 56.71

**August 07 2013 Hour: 09:02:45.0 Lat: 38.70°N Lon: 22.68°E M: 4.3 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0904 44.71  
 MORH SE Sn 0906 16.46  
 MORH SN Sn 0907 10.29  
 MORH SN ESg 0907 10.84

**August 07 2013 Hour: 09:06:07.0 Lat: 38.71°N Lon: 22.67°E M: 5.4 Depth: 16 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0908 51.43  
 LTVH SZ EPn 0908 55.54  
 BEHE SZ EPn 0909 01.93  
 TIH SZ EPn 0909 02.39  
 TENK HZ EPn 0909 04.36  
 BUD SZ EPn 0909 07.92  
 PSZ SZ EPn 0909 08.02  
 CSKK SZ EPn 0909 08.93  
 TRPA SZ EPn 0909 09.69  
 SOP SZ EPn 0909 12.88  
 TIH SE Sn 0910 48.86  
 BUD SN Sn 0910 52.72  
 CSKK SN Sn 0910 53.17  
 PSZ SN Sn 0910 58.92  
 SOP SE Sn 0911 14.37

**August 07 2013 Hour: 09:56:38.0 Lat: 38.74°N Lon: 22.71°E M: 4.0 Depth: 10 km**

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

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MORH SZ EPn	0958	38.71
BEHE SZ EPn	0958	48.29
PSZ SZ EPn	0958	58.92
MORH SN Sn	1000	28.31
LTVH SZ Sn	1001	24.72
PSZ SE Sn	1001	25.71

### August 07 2013 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 1134 07.72  
CSKK SN ESg 1134 08.34

### August 07 2013 Hour: 13:44:32.0 Lat: 38.69°N Lon: 22.66°E M: 4.7 Depth: 1 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1346 32.00  
BEHE SZ EPn 1346 40.94  
TIH SZ EPn 1346 42.57  
PSZ SZ EPn 1346 49.61  
TRPA SZ EPn 1346 51.50  
SOP SZ EPn 1346 58.00  
CSKK SN Sn 1348 33.61  
PSZ SN Sn 1348 40.12  
MORH SN ESg 1348 54.11

### August 07 2013 Hour: 16:03:44.0 Lat: 38.69°N Lon: 22.67°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 1605 42.90

### August 07 2013 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 2340 19.41  
MORH SN ESg 2340 22.64

### August 07 2013 Hour: 23:59:20.0 Lat: 20.67°N Lon: 93.99°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 2409 53.99  
MORH SZ EP D 2409 58.97  
TIH SZ EP 2410 01.92  
SOP SZ EP 2410 07.89

### August 08 2013 Hour: 04:57:56.0 Lat: 20.22°S Lon: 176.34°W M: 5.7 Depth: 241 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP D 0517 13.77  
LTVH SZ EPKiKP D 0517 16.39  
PSZ SZ EPKiKP D 0517 17.07  
TENK HZ EPKiKP 0517 17.29  
CSKK SZ EPKiKP 0517 18.87  
BUD SZ EPKiKP C 0517 19.53  
TIH SZ EPKiKP 0517 20.11  
SOP SZ EPKiKP D 0517 20.11  
MORH SZ EPKiKP D 0517 21.01

### August 08 2013 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 D 0744 28.65  
 MORH SN ESg 0744 32.43

**August 08 2013 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 1043 49.53  
 CSKK SN ESg 1043 53.07

**August 09 2013 Hour: 02:59:36.0 Lat: 39.93°N Lon: 143.39°E M: 5.2 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 0311 54.91

**August 09 2013 Hour: 04:19:23.0 Lat: 39.35°N Lon: 20.47°E M: 4.5 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0421 06.97  
 TIH SZ EPn 0421 18.89  
 CSKK SZ EPn 0421 23.24  
 BUD SZ EPn 0421 24.37  
 LTVH SZ EPn 0421 25.56  
 PSZ SZ EPn 0421 29.29  
 SOP SZ EPn 0421 33.07  
 TRPA SZ EPn 0421 35.34  
 MORH SN Sn 0422 26.34  
 LTVH SN Sn 0423 50.86  
 PSZ SN Sn 0424 09.46  
 TENK HN Sn 0424 15.85  
 SOP SE Sn 0424 23.99  
 TRPA SN Sn 0424 25.15

**August 09 2013 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 0718 33.02  
 MORH SE ESg 0718 38.75

**August 09 2013 Hour: 10:44:10.0 Lat: 47.34°N Lon: 11.52°E M: 3.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 1045 04.46  
 TIH SZ EPn 1045 17.67  
 CSKK SZ EPn 1045 22.43  
 MORH SZ EPn D 1045 24.18  
 SOP SN Sn 1045 46.40  
 TIH SZ Sn 1046 12.47  
 CSKK SN Sn 1046 13.01  
 MORH SN Sn 1046 19.89  
 PSZ SN Sn 1046 36.35

**August 09 2013 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 1153 31.79  
 PSZ SN ESg 1154 31.69

**August 09 2013 Hour: 11:49:23.0 Lat: 38.70°N Lon: 22.69°E M: 4.8 Depth: 1 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1151 21.83  
TIH SZ EPn 1151 30.79  
LTVH SZ EPn 1151 32.53  
BUD SZ EPn 1151 35.57  
TENK HZ EPn 1151 37.76  
CSKK SZ EPn 1151 39.25  
TRPA SZ EPn 1151 42.24  
SOP SZ EPn 1151 48.46  
CSKK SN Sn 1153 24.25  
TRPA SN Sn 1153 34.18  
MORH SN ESg 1153 41.50  
LTVH SN ESg 1154 05.45  
TENK HN Sn 1154 23.76

**August 09 2013 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 1207 50.25  
PSZ SN ESg 1207 52.54  
TENK HZ EPg 1208 10.28  
TENK HN ESg 1208 18.43

**August 09 2013 Hour: 13:10:10.0 Lat: 38.70°N Lon: 22.66°E M: 4.7 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1312 10.07  
LTVH SZ EPn 1312 17.76  
TIH SZ EPn 1312 20.53  
BUD SZ EPn 1312 25.37  
CSKK SZ EPn 1312 26.37  
PSZ SZ EPn 1312 26.37  
TENK HZ EPn 1312 30.37  
TRPA SZ EPn 1312 31.60  
SOP SZ EPn 1312 37.44  
MORH SN Sn 1313 48.04  
LTVH SN Sn 1313 57.07  
CSKK SN Sn 1314 06.78  
BUD SN ESn 1314 11.68  
TRPA SN Sn 1314 21.65  
LTVH SN ESg 1314 53.25  
TENK HE Sn 1315 16.22

**August 09 2013 Hour: 13:43:44.0 Lat: 38.69°N Lon: 22.64°E M: 3.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1345 42.52

**August 09 2013 Hour: 21:46:48.0 Lat: 49.98°N Lon: 179.06°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 D 2159 05.23

**August 09 2013 Hour: 22:56:03.0 Lat: 36.95°N Lon: 141.00°E M: 4.9 Depth: 58 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP C 2308 09.64

**August 10 2013 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 0203 05.33  
 CSKK SN ESg 0203 05.83

**August 10 2013 Hour: 17:20:47.0 Lat: 28.34°N Lon: 51.69°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 1726 56.21  
 PSZ SZ EP 1727 08.87  
 MORH SZ EP 1727 09.45  
 SOP SZ EP 1727 25.56

**August 11 2013 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 0231 43.35  
 CSKK SN ESg 0231 44.01

**August 11 2013 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 0317 43.74  
 CSKK SN ESg 0317 44.43

**August 11 2013 Hour: 10:33:59.0 Lat: 29.20°S Lon: 178.09°W M: 5.2 Depth: 220 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 1053 29.27  
 TRPA SZ EP 1053 50.26  
 LTVH SZ EP D 1053 56.19  
 PSZ SZ EP D 1053 57.30  
 SOP SZ EP 1054 04.36

**August 11 2013 Hour: 10:23:44.0 Lat: 40.23°N Lon: 23.10°E M: 3.6 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn D 1025 24.24  
 MORH SN Sn 1026 45.43

**August 11 2013 Hour: 12:40:08.0 Lat: 30.14°N Lon: 98.11°E M: 4.9 Depth: 24 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP C 1250 25.84  
 CSKK SZ EP 1250 27.20  
 SOP SZ EP 1250 33.11

**August 11 2013 Hour: 13:31:08.0 Lat: 45.81°N Lon: 26.82°E M: 4.3 Depth: 94 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn 1332 04.85  
 LTVH SZ EPn 1332 12.82  
 PSZ SZ EPn 1332 26.83  
 MORH SZ EPn C 1332 30.87  
 PSZ SN Sn 1333 27.65

**August 11 2013 Hour: 17:23:21.0 Lat: 33.76°N Lon: 27.72°E M: 4.4 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn D 1726 37.12  
 LTVH SZ EPn 1726 45.65

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PSZ	SZ	EPn	D	1726	52.24
TRPA	SZ	EPn		1726	52.27
SOP	SZ	EPn		1727	03.35

**August 11 2013 Hour: 21:23:45.0 Lat: 30.14°N Lon: 98.03°E M: 5.7 Depth: 30 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP		2133	41.48											
LTVH	SZ	EP		2133	45.91											
TENK	HZ	EP		2133	52.01											
PSZ	SZ	EP	D	2133	53.06											
BUD	SZ	EP	C	2133	58.73											
CSKK	SZ	EP		2134	00.89											
MORH	SZ	EP	D	2134	01.38											
TIH	SZ	EP	D	2134	03.91											
SOP	SZ	EP		2134	08.64											
TRPA	SE	ES		2141	48.87											
LTVH	SN	ES		2141	54.07											
TENK	HN	ES		2142	09.69											
PSZ	SN	ES		2142	14.37											
MORH	SN	ES		2142	26.34											
TIH	SN	ES		2142	30.50											
SOP	SN	ES		2142	37.79											

**August 11 2013 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		2358	19.00											
PSZ	SZ	EP		2358	34.30											
LTVH	SZ	EP		2358	39.12											
MORH	SZ	EP		2358	39.36											
SOP	SZ	EP		2358	47.55											

**August 12 2013 Hour: 00:51:11.0 Lat: 42.01°N Lon: 142.33°E M: 4.9 Depth: 69 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP	C	0102	50.01											
PSZ	SZ	EP	C	0102	57.39											
BUD	SZ	EP	D	0103	01.99											
CSKK	SZ	EP		0103	03.95											
MORH	SZ	EP	C	0103	05.97											
SOP	SZ	EP	C	0103	06.40											

**August 12 2013 Hour: 00:53:44.0 Lat: 7.30°S Lon: 129.94°E M: 6.1 Depth: 110 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EPKiKP		0112	15.90											
LTVH	SZ	EPKiKP		0112	19.65											
TENK	HZ	EPKiKP		0112	23.41											
PSZ	SZ	EPKiKP		0112	28.25											
CSKK	SZ	EPKiKP		0112	30.40											
TIH	SZ	EPKiKP		0112	36.30											
MORH	SZ	EPKiKP		0112	36.84											
SOP	SZ	EPKiKP		0112	38.99											
TRPA	SN	ESP		0121	47.27											
PSZ	SN	ESP		0121	51.35											
LTVH	SN	ESP		0121	51.35											

MORH	SN	ESP	0122	04.62
TIH	SN	ESP	0122	09.22
SOP	SN	ESP	0122	13.81

**August 12 2013 Hour: 04:16:48.0 Lat: 30.66°S Lon: 179.58°W M: 6.0 Depth: 348 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0435 59.88  
 LTVH SZ EP 0436 01.35  
 TENK HZ EP D 0436 01.56  
 PSZ SZ EP D 0436 01.87  
 CSKK SZ EP 0436 01.96  
 TIH SZ EP D 0436 02.57  
 SOP SZ EP 0436 02.57  
 MORH SZ EP D 0436 02.57  
 BUD SZ EP 0436 03.33

**August 12 2013 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TIH	SZ	EPg		0912	57.53												
TIH	SN	ESg		0913	02.05												
CSKK	SZ	EPg		0913	02.96												
CSKK	SN	ESg		0913	10.73												

**August 12 2013 Hour: 09:49:32.0 Lat: 5.43°S Lon: 81.97°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 1003 14.18  
 CSKK SZ EP 1003 16.88  
 LTVH SZ EP 1003 17.66  
 TIH SZ EP 1003 19.97  
 MORH SZ EP 1003 21.13  
 PSZ SZ EP 1003 21.52  
 TENK HZ EP 1003 26.93  
 TRPA SZ EP 1003 30.80

**August 12 2013 Hour: 12:59:32.0 Lat: 37.00°N Lon: 141.19°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 1311 37.71  
 PSZ SZ EP 1311 41.68  
 MORH SZ EP 1311 53.48

**August 13 2013 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		0013	24.55												
MORH	SN	ESg		0013	27.73												

**August 13 2013 Hour: 00:09:44.0 Lat: 43.81°N Lon: 143.50°E M: 5.2 Depth: 172 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0021 05.95  
 LTVH SZ EP 0021 11.30  
 TENK HZ EP C 0021 13.23  
 PSZ SZ IP C 0021 13.35  
 BUD SZ IP C 0021 18.11  
 CSKK SZ EP 0021 18.75

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MORH SZ IP C 0021 22.26  
SOP SZ IP 0021 22.39  
SOP SZ EP C 0021 22.46

**August 13 2013 Hour: 01:43:09.0 Lat: 33.31°N Lon: 68.20°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 0150 32.51

**August 13 2013 Hour: 15:43:14.0 Lat: 5.78°N Lon: 78.23°W M: 6.6 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 1556 09.50  
TIH SZ EP 1556 15.00  
MORH SZ EP D 1556 17.36  
BUD SZ EP 1556 17.80  
PSZ SZ EP 1556 21.81  
TENK HZ EP 1556 23.13  
LTVH SZ EP 1556 27.32  
CSKK SZ EP 1556 29.68  
TRPA SZ EP D 1556 30.20  
SOP SN EPP 1559 43.35  
TIH SZ EPP D 1559 49.43  
MORH SE EPP 1559 51.98  
PSZ SN EPP 1559 52.94  
LTVH SN EPP 1559 58.70  
TRPA SN EPP 1600 09.58  
SOP SN ES 1606 53.07  
MORH SE ES 1606 58.63  
PSZ SN ES 1607 02.61  
TIH SZ ES 1607 14.54  
LTVH SN ES 1607 14.54  
TENK HN ES 1607 27.26  
TRPA SN ES 1607 35.29  
TIH SN ESS 1612 55.73  
PSZ SN ESS 1613 12.08  
LTVH SN ESS 1613 28.42  
TRPA SN ESS 1613 36.60

**August 13 2013 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 1621 00.45  
PSZ SN Sn 1621 21.35

**August 13 2013 Hour: 22:21:19.6 Lat: 50.17°N Lon: 17.81°E M: 1.9 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 2222 00.19  
PSZ SN Sn 2222 35.50

**August 14 2013 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 0327 34.09  
MORH SN Sn 0327 43.08

**August 14 2013 Hour: 07:59:23.0 Lat: 16.37°S Lon: 173.68°W M: 5.1 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP D 0818 56.14  
 PSZ SZ EPKiKP D 0818 59.22  
 MORH SZ EPKiKP D 0819 03.90

**August 14 2013 Hour: 08:43:00.0 Lat: 47.87°N Lon: 19.11°E M: Depth: 0 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 0845 27.60  
 PSZ SN ESG 0845 35.21

**August 14 2013 Hour: 09:06:08.0 Lat: 42.25°N Lon: 19.58°E M: 2.7 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 0907 09.42  
 TIH SZ EPn 0907 18.89  
 MORH SN Sn 0907 53.41

**August 14 2013 Hour: 11:29:21.0 Lat: 43.02°N Lon: 23.51°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 1130 33.61  
 TIH SZ EPn 1130 46.37

**August 14 2013 Hour: 12:52:54.0 Lat: 43.04°N Lon: 23.55°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 EPn D 1254 06.70  
 PSZ SZ EPn 1254 18.33  
 CSKK SZ EPn 1254 19.67  
 MORH SN Sn 1254 58.63  
 LTVH SN Sn 1255 23.28  
 CSKK SN Sn 1255 24.61  
 PSZ SN Sn 1255 25.28

**August 14 2013 Hour: 17:12:57.0 Lat: 38.72°N Lon: 22.61°E M: 3.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1714 56.32  
 MORH SE Sn 1716 37.84

**August 14 2013 Hour: 19:18:39.0 Lat: 51.18°N Lon: 178.49°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 1930 42.08  
 PSZ SZ EP C 1930 45.32  
 LTVH SZ EP 1930 48.40  
 SOP SZ EP 1930 48.85  
 BUD SZ EP C 1930 50.53  
 CSKK SZ EP 1930 51.35  
 MORH SZ EP 1930 55.44

**August 14 2013 Hour: 19:50:09.0 Lat: 30.80°N Lon: 50.41°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 C 1956 05.61

**August 14 2013 Hour: 22:18:55.0 Lat: 44.17°N Lon: 10.20°E M: 3.8 Depth: 6 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2220 17.58

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MORH SZ EPn	2220	30.57
CSKK SZ EPn	2220	34.26
PSZ SZ EPn	2220	50.06
SOP SN Sn	2221	26.36
TIH SN Sn	2221	36.94
MORH SN Sn D	2221	42.03
CSKK SN Sn	2221	47.65
PSZ SN Sn	2222	16.62

### August 15 2013 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	0157	33.71
CSKK SN ESg	0157	34.17

### August 15 2013 Hour: 23:04:59.0 Lat: 38.15°N Lon: 14.91°E 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 EPn	2307	02.95
CSKK SZ EPn	2307	17.46
SOP SZ EPn	2307	17.95
PSZ SZ EPn	2307	29.56
TRPA SZ EPn	2307	42.38
MORH SN Sn	2308	38.42
CSKK SN Sn	2309	03.72
SOP SN Sn	2309	07.37
PSZ SN Sn	2309	17.41

### August 16 2013 Hour: Lat: Lon: M: Depth:

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TENK HZ EPg	0055	27.48
TENK HN ESg	0055	29.30
PSZ SZ EPg	0055	35.15
PSZ SN ESg	0055	39.50

### August 16 2013 Hour: 02:31:07.0 Lat: 41.72°S Lon: 174.13°E M: 6.5 Depth: 2 km

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	0251	07.34
LTVH SZ EP	0251	08.04
MORH SZ EP D	0251	09.85
BUD SZ EP D	0251	10.64
PSZ SZ EP D	0251	10.66
TENK HZ EP	0251	10.86
TIH SZ EP D	0251	10.86
SOP SZ EP D	0251	12.27
CSKK SZ EP	0251	12.88
TRPA SZ EPP	0255	25.27
LTVH SZ EPP	0255	32.47
PSZ SZ EPP	0255	38.88
MORH SZ EPP	0255	39.68
SOP SZ EPP	0255	41.28
TIH SZ EPP	0255	46.88

### August 16 2013 Hour: 05:29:57.0 Lat: 2.89°S Lon: 78.65°W M: 4.5 Depth: 25 km

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
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TRPA SZ EP	D	0537	14.92
PSZ SZ EP		0537	18.03
SOP SZ EP		0537	20.90
MORH SZ EP		0537	23.54
CSKK SZ EP		0537	26.97

**August 16 2013 Hour: 05:31:18.0 Lat: 41.66°S Lon: 174.06°E M: 5.8 Depth: 21 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	0551	11.59
PSZ SZ EP	C	0551 13.90
MORH SZ EP	C	0551 15.29
SOP SZ EP		0551 16.76
CSKK SZ EP		0551 19.75
LTVH SZ EP		0551 20.27

**August 16 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TIH SZ EPg	0711	29.37
CSKK SZ EPg	0711	31.75
TIH SN ESg	0711	33.72
CSKK SN ESg	0711	37.11

**August 16 2013 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	0853	34.88
PSZ SN ESg	0853	43.68

**August 16 2013 Hour: 15:33:02.0 Lat: 16.76°N Lon: 98.36°W 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	C	1546 22.82
TRPA SZ EP		1546 27.19
SOP SZ EP		1546 36.06

**August 16 2013 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	1546	30.74

**August 17 2013 Hour: 00:04:21.0 Lat: 20.93°S Lon: 173.93°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 EPKiKP D	0024	14.01
SOP SZ EPKiKP	0024	17.53
LTVH SZ EPKiKP	0024	18.07
MORH SZ EPKiKP	0024	18.35
PSZ SZ EPKiKP	0024	21.87

**August 17 2013 Hour: 04:06:29.0 Lat: 43.49°N Lon: 17.59°E M: 2.7 Depth: 2 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
MORH SZ EPn	0407	13.37
CSKK SZ EPn	0407	29.06
MORH SN Sn	0407	50.47
CSKK SN Sn	0408	17.46

**August 17 2013 Hour: 04:24:07.0 Lat: 5.36°N Lon: 94.29°E M: 5.1 Depth: 40 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0435 38.21  
LTVH SZ EP C 0435 40.62  
PSZ SZ EP C 0435 47.64  
MORH SZ EP C 0435 50.96  
BUD SZ EP C 0435 51.77  
CSKK SZ EP C 0435 53.73  
SOP SZ EP C 0436 00.01

**August 17 2013 Hour: 05:25:38.0 Lat: 50.95°N Lon: 178.91°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 0537 43.53  
PSZ SZ EP C 0537 46.56  
SOP SZ EP 0537 51.28  
BUD SZ EP C 0537 51.45  
MORH SZ EP C 0537 55.79  
CSKK SZ EP 0538 02.38

**August 17 2013 Hour: 11:11:54.0 Lat: 50.94°N Lon: 178.47°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 1123 59.41  
PSZ SZ EP 1124 03.37  
LTVH SZ EP 1124 04.92  
CSKK SZ EP 1124 07.88  
MORH SZ EP 1124 11.30

**August 17 2013 Hour: 16:32:31.0 Lat: 34.92°S Lon: 54.00°E M: 6.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP C 1645 15.70  
LTVH SZ EP 1645 18.05  
TRPA SZ EP 1645 18.17  
PSZ SZ EP 1645 20.89  
TENK HZ EP 1645 20.89  
BUD SZ EP 1645 21.17  
CSKK SZ EP 1645 21.38  
TIH SZ EP 1645 23.23  
SOP SZ EP 1645 24.84  
MORH SN ES 1655 55.94  
LTVH SN ES 1655 58.51  
TRPA SN ES 1655 59.54  
TENK HN ES 1656 03.90  
PSZ SN ES 1656 04.53  
SOP SN ES 1656 14.16

**August 18 2013 Hour: 08:25:45.0 Lat: 49.75°N Lon: 177.75°W 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 D 0837 55.69  
PSZ SZ EP 0838 00.35  
SOP SZ EP 0838 02.60

**August 18 2013 Hour: 13:23:29.0 Lat: 18.39°S Lon: 178.01°W M: 5.0 Depth: 553 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1342 06.90

LTVH	SZ	EP	1342	09.38
PSZ	SZ	EP	D	1342 09.68
TIH	SZ	EP	C	1342 10.21
BUD	SZ	EP	D	1342 11.89
CSKK	SZ	EP		1342 12.42
SOP	SZ	EP	D	1342 13.11
MORH	SZ	EP	D	1342 13.67

**August 18 2013** Hour: 16:38:12.0 Lat: 32.07°N Lon: 98.96°E M: 4.7 Depth: 49 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1648 22.37

**August 18 2013** Hour: 22:16:19.0 Lat: 38.70°N Lon: 22.70°E M: 4.0 Depth: 4 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2218 16.74  
 PSZ SZ EPn 2218 37.37  
 MORH SN Sn 2219 49.18  
 PSZ SN Sn 2220 23.40

**August 18 2013** Hour: 22:34:31.0 Lat: 6.48°N Lon: 124.75°E M: 5.3 Depth: 394 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2247 01.94  
 PSZ SZ EP 2247 10.75  
 MORH SZ EP 2247 13.91

**August 19 2013** Hour: Lat: Lon: M: Depth:  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK HZ EPg 2137 19.76  
 TENK HN ESG 2137 20.42  
 PSZ SZ EPg 2137 23.18  
 PSZ SN ESG 2137 29.82

**August 20 2013** Hour: 00:53:55.0 Lat: 21.35°S Lon: 11.83°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 0105 22.09  
 SOP SZ EP 0105 26.14  
 PSZ SZ EP 0105 31.59

**August 20 2013** Hour: 09:45:00.0 Lat: 47.64°N Lon: 20.27°E M: Depth:  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK HZ EPg 0948 08.47  
 TENK HN ESG 0948 09.00  
 PSZ SZ EPg 0948 14.72  
 PSZ SN ESG 0948 20.16

**August 20 2013** Hour: 09:45:00.0 Lat: 47.56°N Lon: 20.09°E M: Depth:  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK HZ EPg 0948 41.45  
 TENK HN ESG 0948 42.38  
 PSZ SZ EPg 0948 48.54  
 PSZ SN ESG 0948 53.59

**August 21 2013** Hour: 04:43:20.0 Lat: 22.27°S Lon: 171.61°E M: 5.6 Depth: 100 km

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ IPKiKP D 0502 43.36  
CSKK SZ EPKiKP 0502 43.36  
LTVH SZ IPKiKP C 0502 43.60  
PSZ SZ EPKiKP C 0502 45.71  
TENK HZ EPKiKP 0502 46.19  
MORH SZ EPKiKP 0502 47.62  
BUD SZ EPKiKP C 0502 48.54  
SOP SZ EPKiKP C 0502 51.36

**August 21 2013 Hour: 08:25:05.0 Lat: 47.91°N Lon: 152.79°E M: 5.2 Depth: 149 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 0836 30.93  
LTVH SZ IP C 0836 36.23  
PSZ SZ IP C 0836 37.63  
TENK HZ EP 0836 37.73  
BUD SZ IP D 0836 41.61  
CSKK SZ EP 0836 43.17  
SOP SZ IP C 0836 45.12  
TIH SZ IP C 0836 46.12  
MORH SZ IP C 0836 46.82

**August 21 2013 Hour: 12:38:32.0 Lat: 17.06°N Lon: 99.34°W M: 6.2 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP C 1251 48.29  
MORH SZ EP C 1251 55.91  
BUD SZ EP C 1251 56.24  
TENK HZ EP C 1251 56.39  
PSZ SZ EP C 1251 56.67  
LTVH SZ EP 1252 01.21  
TRPA SZ EP C 1252 01.42  
SOP SZ EPP 1255 29.38  
TENK HZ EPP 1255 35.07  
PSZ SZ EPP 1255 35.89  
TIH SZ EPP 1255 36.70  
LTVH SZ EPP 1255 38.32  
MORH SZ EPP 1255 39.95  
CSKK SZ EPP 1255 39.95  
BUD SZ EPP 1255 46.23  
TRPA SZ EPP 1255 53.78  
SOP SN ES 1302 40.14  
MORH SN ES 1302 40.90  
PSZ SN ES 1302 41.27  
SOP SN ESS 1304 13.05  
PSZ SN ESS 1304 28.92  
MORH SN ESS 1304 33.83

**August 22 2013 Hour: 06:44:52.0 Lat: 43.58°N Lon: 13.96°E M: 4.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0645 58.61  
SOP SZ EPn 0646 01.67  
CSKK SZ EPn 0646 06.39  
TIH SZ EPg 0646 14.39

PSZ	SZ	EPn	0646	21.97
MORH	SN	Sn	0646	46.16
TIH	SN	Sn	0646	51.46
TENK	HZ	EPn	0646	51.94
LTVH	SZ	EPg	0646	57.69
CSKK	SN	Sn	0647	03.31
TRPA	SZ	EPg	0647	10.37
SOP	SN	Sn	0647	19.59
BUD	SN	Sn	0647	23.32
PSZ	SN	Sn	0647	31.34
LTVH	SN	Sn	0647	39.35
TENK	HN	Sn	0648	18.24
TRPA	SN	ESg	0649	00.03

**August 22 2013 Hour: 08:39:17.0 Lat: 16.16°N Lon: 46.99°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	0849	26.90
TIH SZ EP	0849	29.34
MORH SZ EP	0849	30.53
BUD SZ EP	0849	34.95
LTVH SZ EP	0849	43.96

**August 22 2013 Hour: 22:33:10.0 Lat: 17.28°S Lon: 168.77°E M: 4.6 Depth: 233 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	2250	30.48
LTVH SZ EP	C	2250 32.44
PSZ SZ EP	C	2250 38.56
MORH SZ EP	C	2250 41.62
CSKK SZ EP		2250 43.64

**August 23 2013 Hour: 21:29:01.0 Lat: 61.57°N Lon: 141.28°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	2140	11.43
PSZ SZ EP	2140	12.12
TRPA SZ EP	D	2140 12.40

**August 24 2013 Hour: 02:35:55.0 Lat: 37.45°N Lon: 71.68°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	0243	03.39
PSZ SZ EP	0243	20.10
MORH SZ EP	0243	28.42

**August 24 2013 Hour: 11:32:35.0 Lat: 21.56°S Lon: 170.83°E M: 4.7 Depth: 166 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
PSZ SZ EPKiKP C	1151	52.98
BUD SZ EPKiKP C	1151	56.05
MORH SZ EPKiKP C	1151	57.44

**August 24 2013 Hour: 13:59:01.0 Lat: 46.22°N Lon: 12.50°E M: 3.6 Depth: 9 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
SOP SN Sn	1400	30.16
CSKK SN Sn	D	1400 52.83
MORH SN Sn		1400 56.27

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TIH SN ESG 1401 06.28

**August 24 2013 Hour: 16:56:29.0 Lat: 37.34°N Lon: 71.80°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 1703 40.97  
PSZ SZ EP D 1703 55.56  
MORH SZ EP D 1704 02.44

**August 24 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TENK HZ EPg 2143 35.47  
TENK HN ESG 2143 36.06  
PSZ SZ EPg 2143 42.54  
PSZ SN ESG 2143 47.82

**August 25 2013 Hour: 04:00:04.0 Lat: 1.17°N Lon: 95.82°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 D 0412 02.20  
TENK HZ EP 0412 08.48  
LTVH SZ EP 0412 08.48  
PSZ SZ EP 0412 08.81  
MORH SZ EP 0412 14.76  
SOP SZ EP 0412 23.68

**August 25 2013 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 17.24  
MORH SN ESG 1026 22.76

**August 25 2013 Hour: 16:07:15.0 Lat: 33.52°S Lon: 57.05°E M: 5.8 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1619 59.01  
CSKK SZ EP 1620 02.84  
PSZ SZ EP 1620 03.20  
TRPA SZ EP 1620 04.48  
TENK HZ EP 1620 06.84  
SOP SZ EP 1620 08.12  
TRPA SN ES 1630 30.63  
MORH SE ES 1630 32.00  
SOP SN ES 1630 42.98  
PSZ SE ES 1630 44.81

**August 26 2013 Hour: 04:58:53.0 Lat: 49.58°N Lon: 155.65°E M: 5.2 Depth: 60 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0510 26.57  
LTVH SZ EP 0510 30.96  
PSZ SZ EP C 0510 31.24  
BUD SZ EP C 0510 37.32  
CSKK SZ EP 0510 38.51  
SOP SZ EP C 0510 39.75  
TIH SZ EP 0510 40.44  
MORH SZ EP C 0510 42.08

**August 26 2013 Hour: 22:09:48.0 Lat: 43.37°N Lon: 12.54°E M: 3.7 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 2211 05.79  
 MORH SZ EPn 2211 08.37  
 CSKK SZ EPn 2211 18.28  
 MORH SZ EPg 2211 27.28  
 PSZ SZ EPn 2211 28.65  
 TIH SN Sn 2212 02.53  
 MORH SN Sn 2212 03.91  
 SOP SN Sn 2212 06.94  
 CSKK SN Sn 2212 18.51  
 SOP SZ EP 2212 40.31  
 PSZ SN Sn 2212 44.68

**August 27 2013 Hour: 14:25:44.0 Lat: 44.53°N Lon: 149.13°E M: 5.3 Depth: 26 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1437 32.81  
 TIH SZ EP 1437 33.25  
 LTVH SZ EP 1437 37.25  
 PSZ SZ EP C 1437 39.47  
 BUD SZ EP 1437 43.95  
 CSKK SZ EP 1437 45.14  
 SOP SZ EP 1437 47.36  
 MORH SZ EP C 1437 48.70  
 BEHE SZ EP 1437 50.36  
 PSZ SN ES 1447 27.49  
 LTVH SN ES 1447 35.99  
 SOP SN ES 1447 42.67

**August 27 2013 Hour: 17:16:21.0 Lat: 45.85°N Lon: 15.73°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 SZ EPn 1716 38.84  
 BEHE SN Sn 1716 51.51  
 TIH SZ EPn 1716 52.53  
 MORH SZ EPn 1716 53.53  
 SOP SZ EPn 1716 54.65  
 MORH SZ EPg 1716 59.00  
 CSKK SZ EPn 1717 00.02  
 SOP SN Sn 1717 20.93  
 MORH SN Sn 1717 21.95  
 TIH SN Sn 1717 23.30  
 PSZ SZ EPg 1717 28.23  
 CSKK SN ESG 1717 37.42  
 PSZ SN Sn 1717 57.77  
 PSZ SN ESG 1718 14.67

**August 27 2013 Hour: 17:52:43.0 Lat: 49.81°N Lon: 18.45°E M: 3.0 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 1753 23.52  
 PSZ SZ EPg 1753 24.59  
 BUD SZ EPn 1753 30.06  
 LTVH SZ EPn 1753 34.35  
 TRPA SZ EPn 1753 34.41

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MORH SZ EPn	1753	39.41
BEHE SZ EPn	1753	39.67
TRPA SZ EPg	1753	43.94
PSZ SE Sn	1753	45.67
SOP SN Sn	1753	54.86
BEHE SN Sn	1754	20.43
MORH SN Sn	1754	22.43

**August 27 2013 Hour: 20:44:55.0 Lat: 28.28°N Lon: 99.25°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	2055 07.08
LTVH SZ EP		2055 12.05
TENK HZ EP		2055 17.67
PSZ SZ EP		2055 18.28
MORH SZ EP	D	2055 26.54
SOP SZ EP		2055 33.69
BEHE SZ EP	D	2055 35.45

**August 27 2013 Hour: 21:41:33.0 Lat: 63.21°N Lon: 150.62°W M: 4.9 Depth: 128 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	D	2152 21.70
PSZ SZ EP	D	2152 22.26
LTVH SZ EP		2152 27.58
BEHE SZ EP	D	2152 31.45

**August 27 2013 Hour: 22:00:42.0 Lat: 32.76°N Lon: 56.49°E 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		2207 04.70
MORH SZ EP	C	2207 06.50

**August 28 2013 Hour: 02:54:41.0 Lat: 27.89°S Lon: 179.79°E M: 6.3 Depth: 492 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP		0313 35.15
TENK HZ EP		0313 35.83
LTVH SZ EP		0313 36.86
PSZ SZ EP		0313 38.56
SOP SZ EP		0313 38.56
TIH SZ EP		0313 38.56
CSKK SZ EP		0313 38.91
MORH SZ EP		0313 39.59

**August 28 2013 Hour: 05:16:41.0 Lat: 44.04°N Lon: 19.25°E M: 3.1 Depth: 1 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
MORH SZ EPn		0517 17.17
CSKK SZ EPn	D	0517 35.17
PSZ SZ EPn		0517 40.86
MORH SN Sn		0517 50.62
TIH SN Sn		0518 08.91
CSKK SN ESg		0518 31.30
BUD SN Sn		0518 32.54
PSZ SN ESg		0518 47.06

**August 28 2013 Hour: 05:46:47.0 Lat: 22.74°S Lon: 66.51°W M: 4.5 Depth: 300 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0555 47.51  
 LTVH SZ EP 0555 49.18  
 PSZ SZ EP D 0555 55.86  
 MORH SZ EP 0555 58.78  
 BUD SZ EP D 0555 58.86  
 CSKK SZ EP 0556 00.45  
 TIH SZ EP 0556 00.76  
 TENK HZ EP 0556 05.14  
 SOP SZ EP D 0556 06.70

**August 29 2013 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 0028 43.66  
 MORH SZ EPn 0028 45.57  
 SOP SN Sn 0029 05.27  
 MORH SN Sn 0029 07.31

**August 29 2013 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 D 0106 39.58  
 PSZ SZ EP 0106 41.67  
 SOP SZ EP 0106 43.24  
 LTVH SZ EP 0106 43.96  
 CSKK SZ EP 0106 44.48  
 BUD SZ EP 0106 44.52  
 MORH SZ EP D 0106 49.78

**August 29 2013 Hour: 04:06:17.0 Lat: 43.95°N Lon: 25.88°E M: 4.0 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn 0407 28.28  
 MORH SE EPn 0407 38.58  
 MORH SE ESG 0407 39.07  
 MORH SZ EPn 0407 39.57  
 TRPA SN Sn 0408 25.69  
 MORH SN Sn 0408 41.07  
 PSZ SN Sn 0408 45.08

**August 29 2013 Hour: 06:20:35.0 Lat: 40.35°N Lon: 27.41°E M: 4.5 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 0622 40.94  
 MORH SN ESG 0625 18.54

**August 29 2013 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 23.16  
 MORH SN ESG 1012 27.39

**August 29 2013 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 1410 55.14  
 LTVH SZ EP 1410 57.43  
 PSZ SZ EP 1410 58.16

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CSKK SZ EP	1411 00.33
TIH SZ EP	1411 01.29
BUD SZ EP	1411 01.44
SOP SZ EP	1411 01.78
MORH SZ EP	1411 02.50

**August 30 2013 Hour: 05:27:29.0 Lat: 43.91°N Lon: 87.62°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 D 0535 37.59  
PSZ SZ EP 0535 51.36  
MORH SZ EP 0536 02.51

**August 30 2013 Hour: 12:21:56.0 Lat: 45.88°N Lon: 15.83°E M: 1.9 Depth: 1 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPn 1222 27.55  
MORH SZ EPn 1222 29.32  
MORH SZ EPg 1222 33.96  
SOP SE Sn 1222 54.36  
SOP SE ESG 1222 57.31  
MORH SN Sn 1222 59.02

**August 30 2013 Hour: 16:25:00.0 Lat: 51.79°N Lon: 175.24°W M: 7.0 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1637 02.83  
LTVH SZ EP 1637 08.02  
TENK HZ EP 1637 08.02  
PSZ SZ EP 1637 08.54  
CSKK SZ EP 1637 11.14  
TIH SZ EP 1637 14.25  
BUD SZ EP 1637 14.34  
SOP SZ EP 1637 14.77  
MORH SZ EP 1637 17.89  
TRPA SN EPP 1640 07.04  
SOP SN EPP 1640 20.00  
PSZ SZ EPP 1640 21.23  
TIH SZ EPP 1640 23.08  
MORH SZ EPP 1640 24.32  
TRPA SN ES 1647 18.58  
TENK HN ES 1647 23.62  
TIH SN ES 1647 34.33  
PSZ SN ES 1647 34.96  
MORH SN ES 1647 34.96  
LTVH SN ES 1647 35.59  
SOP SN ES 1647 35.59  
TRPA SN ESS 1652 22.30  
SOP SN ESS 1652 26.71  
MORH SN ESS 1652 48.76  
TIH SN ESS 1652 51.92

**August 30 2013 Hour: 17:48:40.0 Lat: 28.22°N Lon: 85.94°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 1757 52.67  
MORH SZ EP 1758 08.75

**August 30 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TENK HZ IPg 1917 15.80  
 TENK HE ESg 1917 16.15

**August 31 2013 Hour: 00:04:18.0 Lat: 28.32°N Lon: 99.40°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 0014 31.74  
 LTVH SZ EP 0014 36.37  
 TENK HZ EP 0014 42.24  
 PSZ SZ EP D 0014 43.58  
 BUD SZ EP D 0014 49.60  
 MORH SZ EP 0014 51.05  
 CSKK SZ EP C 0014 51.85  
 TIH SZ EP D 0014 53.45  
 SOP SZ EP D 0014 58.25  
 TRPA SN ES 0022 51.57  
 LTVH SN ES 0023 06.82  
 PSZ SN ES 0023 16.63  
 TENK HN ES 0023 17.72  
 TIH SN ES 0023 28.62  
 CSKK SN ES 0023 28.62  
 MORH SN ES 0023 30.80  
 SOP SN ES 0023 48.23  
 PSZ SN ESS 0027 26.16  
 MORH SN ESS 0027 35.97  
 CSKK SE ESS 0027 45.78

**August 31 2013 Hour: 00:27:07.0 Lat: 28.36°N Lon: 99.30°E M: 5.0 Depth: 33 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0037 30.85  
 MORH SZ EP 0037 35.52  
 SOP SZ EP 0037 42.12

**August 31 2013 Hour: 06:38:42.0 Lat: 51.51°N Lon: 174.94°W M: 5.9 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0650 40.66  
 PSZ SZ EP C 0650 45.27  
 SOP SZ EP C 0650 47.39  
 LTVH SZ EP 0650 47.39  
 MORH SZ EP C 0650 51.30  
 CSKK SZ EP 0650 51.30  
 TIH SZ EP 0650 52.36  
 PSZ SZ EPP 0653 42.86  
 SOP SZ EPP 0653 44.49  
 TRPA SZ EPP 0653 46.12  
 LTVH SZ EPP 0653 49.38  
 MORH SZ EPP 0653 53.46  
 TIH SZ EPP 0653 55.09  
 CSKK SZ EPP 0653 59.17  
 LTVH SN ES 0700 56.01  
 TRPA SN ES 0700 56.75

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PSZ	SN	ES	0700	58.22
TIH	SN	ES	0701	07.05
SOP	SN	ES	0701	07.05
MORH	SN	ES	0701	12.20
TRPA	SN	ESS	0705	57.70
PSZ	SN	ESS	0706	02.11
SOP	SN	ESS	0706	13.15
TIH	SN	ESS	0706	19.77
MORH	SN	ESS	0706	27.86

**August 31 2013 Hour: 06:44:01.0 Lat: 51.47°N Lon: 175.22°W M: 5.3 Depth: 80 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
BUD	SZ	EP		0650 49.29
TRPA	SZ	EP		0655 59.29
PSZ	SZ	EP		0656 03.88
MORH	SZ	EP		0656 16.43
TIH	SZ	EP		0701 41.93

**August 31 2013 Hour: 07:30:25.0 Lat: 51.61°N Lon: 175.01°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		0742 31.33
PSZ	SZ	EP		0742 32.20
SOP	SZ	EP		0742 35.70

**August 31 2013 Hour: 09:50:50.0 Lat: 51.53°N Lon: 174.92°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	EP		1002 57.10
LTVH	SZ	EP		1003 02.27
SOP	SZ	EP		1003 03.35
MORH	SZ	EP		1003 07.93

**August 31 2013 Hour: 10:06:19.0 Lat: 51.50°N Lon: 174.84°W M: 5.1 Depth: 60 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ	SZ	EP		1018 22.08
CSKK	SZ	EP		1018 27.28

**August 31 2013 Hour: Lat: Lon: M: Depth:**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TENK	HZ	EP		1044 15.57

**August 31 2013 Hour: 19:04:17.0 Lat: 45.97°N Lon: 14.22°E M: 3.1 Depth: 13 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
SOP	SZ	EPn		1904 56.41
CSKK	SZ	EPn		1905 04.48
MORH	SZ	EPn		1905 04.63
TIH	SZ	EPn		1905 07.05
PSZ	SZ	EPn		1905 24.42
SOP	SN	Sn		1905 26.94
TIH	SN	Sn		1905 36.81
MORH	SN	Sn		1905 42.39
PSZ	SN	Sn		1906 14.16

**August 31 2013 Hour: 23:48:54.0 Lat: 40.28°N Lon: 143.64°E M: 4.8 Depth: 33 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0002 57.42  
 PSZ SZ EP C 0003 05.07  
 CSKK SZ EP 0003 09.67  
 SOP SZ EP 0003 12.45  
 MORH SZ EP 0003 13.70

**September 01 2013 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 0227 54.28  
 CSKK SN ESg 0227 55.41

**September 01 2013 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 0228 41.22  
 CSKK SE ESg 0228 42.39

**September 01 2013 Hour: 11:52:32.0 Lat: 7.69°S Lon: 123.34°E M: 6.5 Depth: 138 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKIKP 1210 54.01  
 TIH SZ EKIKP 1210 54.07  
 MORH SZ EPKIKP 1210 57.17  
 LTVH SZ EPKIKP 1210 57.17  
 SOP SZ EPKIKP 1210 57.80  
 PSZ SZ EPKIKP 1211 02.86  
 BUD SZ EPKIKP 1211 14.58  
 TRPA SE ES 1220 07.20  
 PSZ SN ES 1220 19.92  
 LTVH SE ES 1220 25.01  
 TIH SZ ES 1220 29.25  
 SOP SN ES 1220 34.34  
 MORH SE ES 1220 47.90  
 TRPA SN ESS 1225 17.54  
 PSZ SN ESS 1225 42.98  
 TIH SZ ESS 1225 52.30  
 MORH SN ESS 1226 11.80

**September 02 2013 Hour: 01:14:14.0 Lat: 39.51°N Lon: 15.40°E M: 4.4 Depth: 326 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 0115 57.87  
 TIH SZ EPn 0116 03.92  
 CSKK SZ EPn C 0116 09.97  
 SOP SZ EPn C 0116 11.11  
 BUD SZ EPn C 0116 13.89  
 PSZ SZ EPn C 0116 21.08  
 TRPA SZ EPn C 0116 34.47  
 TIH SN Sn 0117 24.96

**September 02 2013 Hour: 02:51:13.0 Lat: 42.23°N Lon: 133.71°E M: 5.6 Depth: 446 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 0301 47.94  
 LTVH SZ EP D 0301 53.32  
 PSZ SZ EP D 0301 56.48

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BUD SZ EP	D 0302 01.65
CSKK SZ EP	D 0302 03.06
TIH SZ EP	0302 05.38
MORH SZ EP	D 0302 05.87
SOP SZ EP	D 0302 06.52
TRPA SZ EPP	0304 17.70
MORH SZ EPP	0304 23.74
LTVH SZ EPP	0304 27.51
SOP SZ EPP	0304 33.30
PSZ SZ EPP	0304 47.39
TRPA SE IS	0310 29.86
PSZ SE IS	0310 46.75
CSKK SE IS	0310 56.76
MORH SE IS	0311 01.13
TIH SN IS	0311 03.01
SOP SE IS	0311 03.64
LTVH SN IS	0311 16.77

**September 02 2013 Hour: 04:30:17.0 Lat: 6.55°S Lon: 155.01°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 EPKIKP D 0449 07.73  
PSZ SZ EPKIKP D 0449 11.49  
MORH SZ EPKIKP D 0449 14.52

**September 02 2013 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 0458 52.01  
PSZ SZ EP D 0458 58.84  
TRPA SZ EP 0459 04.49

**September 02 2013 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 0608 50.01  
PSZ SE ESG 0608 51.76

**September 02 2013 Hour: 08:19:04.0 Lat: 52.69°N Lon: 159.68°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 C 0830 30.84  
PSZ SZ EP D 0830 37.12  
MORH SZ EP 0830 46.89

**September 02 2013 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 D 1100 09.44  
MORH SE ESG 1100 12.72

**September 02 2013 Hour: 21:00:55.0 Lat: 4.74°S Lon: 153.20°E M: 5.0 Depth: 43 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPKIKP 2119 45.50  
MORH SZ EPKIKP 2119 46.39  
SOP SZ EPKIKP D 2119 47.16

**September 03 2013 Hour: 00:41:48.0 Lat: 33.72°S Lon: 56.20°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 0054 30.16  
 TRPA SZ EP D 0054 32.33  
 LTVH SZ EP 0054 33.51  
 PSZ SZ EP D 0054 34.70  
 TIH SZ EP 0054 35.13  
 BEHE SZ EP 0054 35.29  
 BUD SZ EP C 0054 35.90  
 CSKK SZ EP 0054 36.62  
 SOP SZ EP D 0054 40.53

**September 03 2013 Hour: 01:03:54.0 Lat: 34.19°S Lon: 56.45°E M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD SZ EP 0116 33.18  
 MORH SZ EP 0116 35.17  
 TRPA SZ EP 0116 38.90  
 PSZ SZ EP 0116 39.76  
 BEHE SZ EP 0116 41.56  
 SOP SZ EP D 0116 45.99

**September 03 2013 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 1225 42.66  
 SOP SN ESG 1225 43.77

**September 03 2013 Hour: 14:32:40.0 Lat: 28.36°N Lon: 99.46°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 1443 07.12  
 MORH SZ EP C 1443 12.05  
 SOP SZ EP 1443 18.50

**September 03 2013 Hour: 20:19:07.0 Lat: 51.13°N Lon: 130.36°W M: 6.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2031 00.23  
 SOP SZ EP 2031 05.51  
 PSZ SZ EP 2031 06.98  
 MORH SZ EP 2031 11.97  
 BEHE SZ EP 2031 12.26  
 CSKK SZ EP 2031 12.85  
 TIH SZ EP 2031 14.02  
 LTVH SZ EP 2031 18.13  
 BUD SZ EP 2031 28.93  
 SOP SE ES 2040 59.75  
 TRPA SE ES 2041 00.82  
 PSZ SE ES 2041 04.38  
 BEHE SE ES 2041 11.85  
 LTVH SE ES 2041 13.63  
 MORH SE ES 2041 17.54

**September 03 2013 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 D 2206 38.85  
 BEHE SN ESG 2206 41.03

**September 03 2013 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 D 2254 14.10  
BEHE SN ESg 2254 16.25

**September 03 2013 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 D 2337 56.33  
BEHE SN ESg 2337 58.53

**September 04 2013 Hour: 00:18:25.0 Lat: 30.04°N Lon: 138.80°E M: 6.5 Depth: 419 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0030 08.29  
LTVH SZ EP D 0030 12.21  
PSZ SZ EP D 0030 15.54  
CSKK SZ EP 0030 19.16  
MORH SZ EP D 0030 22.49  
TIH SZ EP D 0030 22.49  
SOP SZ EP D 0030 23.70  
BEHE SZ EP D 0030 26.42  
BUD SZ EP 0030 26.68  
TRPA SZ IS D 0039 55.06  
LTVH SN IS 0040 04.03  
PSZ SN IS 0040 09.06  
CSKK SN IS 0040 18.66  
TIH SZ IS C 0040 23.70

**September 04 2013 Hour: 00:23:12.0 Lat: 51.27°N Lon: 130.00°W 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 EP 0031 47.90  
PSZ SZ EP 0031 49.91  
LTVH SZ EP D 0031 53.15  
CSKK SZ EP 0032 01.82  
TIH SZ EP D 0032 04.03  
MORH SZ EP D 0032 04.33  
BEHE SZ EP 0032 04.91  
SOP SZ EP D 0032 05.36

**September 04 2013 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 D 0139 20.87  
BEHE SN ESg 0139 23.10

**September 04 2013 Hour: 02:32:29.0 Lat: 51.63°N Lon: 174.77°W M: 6.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0244 35.18  
LTVH SZ EP 0244 38.28  
PSZ SZ EP 0244 39.76  
SOP SZ EP 0244 41.50  
CSKK SZ EP 0244 42.50  
BUD SZ EP 0244 44.06  
BEHE SZ EP C 0244 44.50

TIH SZ EP	0244 45.54
MORH SZ EP	0244 48.23
TRPA SZ EPP	0247 32.68
PSZ SZ EPP	0247 39.77
SOP SZ EPP	0247 42.30
LTVH SZ EPP	0247 44.83
TIH SZ EPP	0247 47.36
MORH SZ EPP	0247 50.90
BEHE SZ EPP	0247 54.44
TRPA SN ES	0254 43.43
PSZ SE ES	0254 48.68
LTVH SN ES	0254 55.43
CSKK SN ES	0254 56.93
TIH SZ ES	0254 58.43
MORH SN ES	0255 00.68
BEHE SN ES	0255 10.43
TRPA SN ESS	0259 45.74
LTVH SE ESS	0259 49.50
PSZ SN ESS	0259 53.25
SOP SN ESS	0259 59.25
CSKK SN ESS	0300 03.75
BEHE SN ESS	0300 09.00
TIH SN ESS	0300 14.25
MORH SN ESS	0300 21.75

September 04 2013 Hour: 05:47:10.0 Lat: 20.62°S Lon: 178.01°W M: 4.9 Depth: 463 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 0606 07.56

September 04 2013 Hour: 06:16:48.0 Lat: 51.61°N Lon: 174.68°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 0628 53.55  
 PSZ SZ EP 0628 56.46  
 TIH SZ EP 0628 57.91  
 LTVH SZ EP 0628 58.28  
 SOP SZ EP C 0629 00.10  
 CSKK SZ EP 0629 03.37  
 MORH SZ EP 0629 03.89  
 BEHE SZ EP 0629 05.92  
 TRPA SZ ES 0639 00.77  
 PSZ SZ ES 0639 03.89  
 SOP SZ ES 0639 16.39  
 LTVH SZ ES 0639 16.39  
 MORH SZ ES 0639 16.39  
 CSKK SZ ES C 0639 17.95  
 BEHE SZ ES 0639 17.95  
 TIH SZ ES 0639 19.51

September 04 2013 Hour: 06:27:03.0 Lat: 51.71°N Lon: 174.84°W M: 5.9 Depth: 10 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0639 07.46  
 PSZ SZ EP C 0639 11.87  
 LTVH SZ EP 0639 13.88

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SOP SZ EP	0639 15.25
TIH SZ EP	0639 17.99
CSKK SZ EP	0639 19.36
MORH SZ EP	0639 20.72
BEHE SZ EP	0639 22.27

**September 04 2013 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 0803 41.69
PSZ SE ESG 0803 46.67

**September 04 2013 Hour: 10:04:05.0 Lat: 53.18°N Lon: 166.89°W 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 1016 07.65
PSZ SZ EP 1016 10.77
LTVH SZ EP 1016 12.68
CSKK SZ EP 1016 14.24
MORH SZ EP 1016 19.01

**September 05 2013 Hour: 04:01:46.0 Lat: 15.21°N Lon: 45.11°W M: 5.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
SOP SZ IP C 0411 41.22
BEHE SZ IP C 0411 41.68
TIH SZ IP C 0411 46.75
CSKK SZ IP 0411 48.60
MORH SZ IP C 0411 49.52
BUD SZ EP D 0411 53.34
PSZ SZ IP C 0411 56.90
LTVH SZ IP C 0412 06.13
TRPA SZ IP C 0412 07.97
BEHE SZ EPP 0413 51.12
CSKK SZ EPP 0414 00.81
TIH SZ EPP 0414 02.34
MORH SZ EPP 0414 05.91
PSZ SZ EPP 0414 11.52
SOP SN ES 0419 49.81
BEHE SN ES 0419 53.88
TIH SZ ES 0420 03.21
MORH SN ES 0420 04.92
PSZ SN ES 0420 22.93
TRPA SN ES 0420 44.05

**September 05 2013 Hour: 05:43:37.0 Lat: 51.59°N Lon: 174.56°W M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP C 0555 44.79
PSZ SZ IP C 0555 48.16
LTVH SZ EP 0555 49.47
SOP SZ IP C 0555 50.08
SOP SZ IP C 0555 51.05
CSKK SZ EP 0555 51.98
TIH SZ IP C 0555 53.92
MORH SZ IP C 0555 55.84
BEHE SZ IP C 0555 57.27

LTVH SN ES	0606 03.34
SOP SE ES	0606 05.28
PSZ SE ES	0606 12.82
TRPA SN ES	0606 12.82
MORH SN ES	0606 20.36

**September 05 2013 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 0948 59.93
PSZ SN Sn 0949 08.64
TRPA SZ EPn 0949 14.53

**September 05 2013 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 1114 24.60
CSKK SN ESG 1114 26.78

**September 06 2013 Hour: 11:33:55.0 Lat: 20.30°N Lon: 122.44°E M: 5.9 Depth: 188 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP D 1145 51.83
LTVH SZ EP D 1145 55.63
PSZ SZ EP D 1146 00.90
BUD SZ EP C 1146 04.96
CSKK SZ EP 1146 06.73
MORH SZ EP D 1146 08.26
TIH SZ EP D 1146 09.20
SOP SZ EP D 1146 11.44
BEHE SZ EP D 1146 13.57
LTVH SZ EPP 1149 28.99
MORH SZ EPP 1149 30.47
BEHE SZ EPP 1149 38.85
TRPA SZ EPP 1149 43.28
PSZ SZ EPP 1150 07.92
SOP SZ EPP 1150 21.23
LTVH SE ES C 1155 50.09
TRPA SE ES 1155 51.24
PSZ SE ES 1156 00.44
TIH SN ES 1156 09.64
MORH SE ES 1156 11.94
SOP SN ES 1156 13.09
CSKK SN ES C 1156 17.69
BEHE SN ES 1156 25.74
PSZ SE ESS 1201 32.56
MORH SN ESS 1202 02.61
SOP SN ESS D 1202 07.62
TRPA SZ ESS 1202 07.62

**September 06 2013 Hour: 15:04:14.0 Lat: 28.19°N Lon: 99.41°E M: 4.6 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EP 1514 45.58
SOP SZ EP 1514 53.98

**September 07 2013 Hour: 00:13:30.0 Lat: 14.77°N Lon: 92.01°W M: 6.5 Depth: 67 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 0026 25.26  
BEHE SZ EP 0026 28.10  
TRPA SZ EP 0026 35.73  
MORH SZ EP 0026 35.73  
BUD SZ EP 0026 37.48  
PSZ SZ EP 0026 38.78  
LTVH SZ EP 0026 45.33  
MORH SZ EPP 0030 13.06  
SOP SZ EPP 0030 14.80  
CSKK SN EPP 0030 18.95  
BEHE SN EPP 0030 21.77  
TIH SN EPP 0030 25.25  
CSKK SZ EPP D 0030 37.45  
PSZ SZ EPP 0030 37.45  
TRPA SN EPP 0030 37.45  
LTVH SN EPP 0030 39.33  
TIH SN ES 0036 58.20  
MORH SE ES 0036 58.20  
LTVH SE ES 0037 02.91  
SOP SN ES 0037 03.85  
PSZ SN ES 0037 03.85  
TRPA SN ES 0037 06.68  
BEHE SE ES 0037 09.50  
CSKK SE ES 0037 17.04  
SOP SE ESS 0043 31.16  
PSZ SE ESS 0043 50.01  
MORH SE ESS 0043 55.67  
TRPA SN ESS 0044 04.15

**September 07 2013 Hour: 13:12:22.0 Lat: 51.53°N Lon: 174.38°W 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 1324 24.21  
PSZ SZ EP 1324 28.18

**September 07 2013 Hour: 17:01:29.0 Lat: 46.28°N Lon: 13.59°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 1702 07.16  
SOP SZ EPn 1702 10.68  
BEHE SZ EPg 1702 11.58  
TIH SZ EPn 1702 18.73  
MORH SZ EPn 1702 24.52  
CSKK SZ EPg 1702 32.03  
BEHE SN Sn 1702 36.45  
MORH SZ EPg 1702 36.47  
BEHE SN ESg 1702 42.30  
SOP SN Sn 1702 44.92  
SOP SN ESg 1702 51.20  
TIH SN Sn 1702 56.59  
MORH SN Sn 1703 08.76  
TIH SN ESg 1703 09.93  
MORH SN ESg 1703 27.73

**September 08 2013 Hour: 04:39:02.0 Lat: 44.53°N Lon: 10.23°E M: 3.4 Depth: 24 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0440 21.87  
 MORH SZ EPn 0440 31.93  
 PSZ SZ EPn 0440 49.57  
 BEHE SN Sn 0441 10.86  
 SOP SN Sn 0441 21.58  
 MORH SN Sn 0441 37.70  
 CSKK SN Sn 0441 39.65  
 PSZ SN Sn 0442 09.94

**September 08 2013 Hour: 04:59:30.0 Lat: 34.80°N Lon: 25.01°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 EPn 0502 28.29  
 BEHE SZ EPn 0502 39.17  
 LTVH SZ EPn 0502 39.45  
 TRPA SZ EPn 0502 42.52  
 PSZ SZ EPn 0502 45.03  
 CSKK SZ EPn C 0502 45.59  
 SOP SZ EPn 0502 54.80

**September 08 2013 Hour: 10:33:01.0 Lat: 40.85°N Lon: 22.76°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 EPn 1034 32.34  
 TIH SZ EPn 1034 44.58  
 BEHE SZ EPn 1034 45.86  
 TRPA SZ EPn 1034 48.63  
 PSZ SZ EPn 1034 49.63  
 CSKK SZ EPn 1034 50.41  
 SOP SZ EPn 1034 59.81  
 BEHE SN Sn 1036 07.97  
 PSZ SE Sn 1036 09.54  
 CSKK SN Sn 1036 14.80  
 LTVH SN ESg 1036 26.53  
 SOP SE Sn 1036 27.07  
 TRPA SE ESg 1036 56.49

**September 08 2013 Hour: 16:44:14.0 Lat: 43.59°N Lon: 17.04°E M: 2.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1645 00.21  
 BEHE SZ EPn 1645 00.64  
 MORH SZ EPg 1645 08.71  
 MORH SN Sn 1645 36.71  
 BEHE SN Sn 1645 37.53

**September 08 2013 Hour: 17:30:20.0 Lat: 36.59°N Lon: 70.36°E M: 5.1 Depth: 215 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1737 06.04  
 LTVH SZ EP 1737 10.17  
 PSZ SZ EP C 1737 21.30  
 BUD SZ EP C 1737 26.34  
 MORH SZ EP C 1737 28.94  
 SOP SZ EP C 1737 39.24

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BEHE SZ EP C 1737 39.41

**September 08 2013 Hour: 23:48:01.0 Lat: 35.36°N Lon: 27.95°E M: 4.1 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 2351 23.88

**September 09 2013 Hour: 02:17:00.0 Lat: 40.48°N Lon: 22.78°E M: 3.3 Depth: 13 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0218 31.16

**September 09 2013 Hour: 07:00:02.0 Lat: 49.41°N Lon: 147.91°E M: 4. Depth: 551 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SN EP C 0710 31.17  
TRPA SZ EP D 0710 31.20  
PSZ SZ EP D 0710 37.94  
CSKK SZ EP 0710 44.01  
MORH SZ EP 0710 47.51

**September 09 2013 Hour: 09:21:57.1 Lat: 44.13°N Lon: 16.55°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 0922 36.85  
MORH SZ EPn 0922 39.41  
BEHE SZ EPg 0922 43.05  
MORH SZ EPg 0922 46.24  
BEHE SN EPn 0923 07.01  
PSZ SZ EPn 0923 07.91  
BEHE SN Sn 0923 11.80  
MORH SN Sn D 0923 13.79  
SOP SN EPn 0923 34.77

**September 09 2013 Hour: 11:18:57.0 Lat: 37.83°N Lon: 20.22°E M: 4.4 Depth: 10 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1121 00.67  
BEHE SZ EPn 1121 22.29  
MORH SN Sn 1122 26.17  
BEHE SN Sn 1122 44.03

**September 09 2013 Hour: 15:37:45.0 Lat: 18.93°N Lon: 63.02°W 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 D 1548 58.19  
TRPA SZ EP 1549 12.22

**September 09 2013 Hour: 17:35:16.0 Lat: 38.03°N Lon: 20.77°E M: 4.5 Depth: 22 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1737 14.19  
BEHE SZ EPn 1737 24.58  
TIH SZ EPn 1737 28.96  
CSKK SZ EPn 1737 32.52  
PSZ SZ EPn 1737 38.53  
LTVH SZ EPn 1737 38.53  
TRPA SZ EPn 1737 47.56  
MORH SN Sn 1738 45.30  
BEHE SE Sn 1739 03.29

TIH	SN	Sn	1739 07.74
CSKK	SN	Sn	1739 18.18
PSZ	SN	Sn	1739 26.62

**September 09 2013 Hour: 22:01:43.0 Lat: 43.84°N Lon: 151.74°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 D 2213 43.35
PSZ SZ EP 2213 50.26
MORH SZ EP 2213 58.87

**September 10 2013 Hour: 00:35:16.0 Lat: 15.49°N Lon: 46.68°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 0045 27.35
SOP SZ EP 0045 27.71
TIH SZ EP 0045 33.94
CSKK SZ EP 0045 34.49
MORH SZ EP D 0045 36.13
BUD SZ EP C 0045 40.07
PSZ SZ EP 0045 42.55
LTVH SZ EP 0045 51.90
TRPA SZ EP 0045 53.00

**September 10 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TENK HZ EPg 0207 42.51
TENK HN ESG 0207 43.17
PSZ SZ EPg 0207 48.95
PSZ SN ESG 0207 54.66

**September 10 2013 Hour: 07:04:05.0 Lat: 20.34°S Lon: 173.80°W 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 EPKIKP 0723 55.06
PSZ SZ EPKIKP 0723 57.84
MORH SZ EPKIKP 0723 58.25
CSKK SZ EPKIKP 0724 04.35

**September 10 2013 Hour: 13:11:38.0 Lat: 43.26°N Lon: 20.76°E M: 2.9 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn 1312 29.19
MORH SZ EPg 1312 41.26
MORH SE ESG 1313 25.78

**September 10 2013 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 1405 45.91
PSZ SN ESG 1405 48.63

**September 11 2013 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 0610 37.70
MORH SN ESG 0610 43.49

**September 11 2013 Hour: 07:11:31.0 Lat: 43.14°N Lon: 139.81°E M: 4.9 Depth: 189 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0722 45.28  
PSZ SZ EP D 0722 52.74  
CSKK SZ EP 0723 00.14  
MORH SZ EP 0723 02.14

**September 11 2013 Hour: 09:03:58.9 Lat: 47.82°N Lon: 18.04°E M: 1.5 Depth: 0 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0904 11.48  
PSZ SN ESG 0904 17.66

**September 11 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EP 0950 16.13  
CSKK SZ EP 0950 16.55

**September 12 2013 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 1151 38.78  
MORH SN ESG 1151 52.28

**September 12 2013 Hour: 21:30:54.0 Lat: 43.29°N Lon: 20.86°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 C 2131 46.83  
TIH SZ EPn 2131 58.69  
BEHE SZ EPn 2132 00.24  
CSKK SZ EPn 2132 02.97  
PSZ SZ EPn 2132 05.19  
LTVH SZ EPn 2132 06.11  
MORH SN ESG 2132 43.24  
BEHE SN Sn 2132 52.62  
CSKK SN Sn 2132 55.40  
TRPA SN Sn 2133 03.84  
PSZ SN Sn 2133 04.00  
LTVH SN ESG 2133 10.47  
SOP SN Sn 2133 15.86

**September 13 2013 Hour: 09:05:20.0 Lat: 24.83°S Lon: 178.72°E M: 5.1 Depth: 544 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EPKIKP 0924 07.00  
TRPA SZ EPKIKP D 0924 09.55  
BUD SZ EPKIKP D 0924 10.52  
LTVH SZ EPKIKP 0924 12.24  
PSZ SZ EPKIKP D 0924 12.78  
CSKK SZ EPKIKP 0924 15.46  
SOP SZ EPKIKP D 0924 16.13  
MORH SZ EPKIKP D 0924 16.86  
BEHE SZ EPKIKP 0924 53.96

**September 13 2013 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 1132 54.54  
PSZ SN ESG 1133 07.88

**September 14 2013 Hour: 00:27:11.0 Lat: 51.53°N Lon: 174.68°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	C 0039 18.87
PSZ SZ EP	0039 22.30
LTVH SZ EP	0039 23.78
SOP SZ EP	0039 25.47
CSKK SZ EP	0039 26.05
BEHE SZ EP	0039 31.75
BUD SZ EP	D 0039 32.30

**September 14 2013 Hour: 06:09:32.0 Lat: 43.33°N Lon: 19.50°E M: 2.5 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn 0610 19.97
MORH SE Sn 0610 55.30

**September 14 2013 Hour: 15:42:44.0 Lat: 51.61°N Lon: 174.75°W 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 EP 1554 51.07
PSZ SZ EP 1554 54.30
LTVH SZ EP 1554 56.08
BUD SZ EP C 1554 57.55
CSKK SZ EP 1554 57.70
SOP SZ EP 1554 58.18
MORH SZ EP 1555 01.90
TIH SZ EP 1555 02.22
BEHE SZ EP 1555 02.87
TRPA SN ES 1605 01.94
SOP SN ES 1605 12.72
PSZ SN ES 1605 13.64
TIH SZ ES 1605 14.69
LTVH SN ES 1605 16.09
MORH SZ ES D 1605 18.94

**September 14 2013 Hour: 20:02:13.0 Lat: 52.19°N Lon: 29.99 °W 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 EP 2008 36.77

**September 15 2013 Hour: 00:23:55.1 Lat: 54.39°N Lon: 167.63°E M: 5.4 Depth: 23 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ IP C 0035 27.77
PSZ SZ IP C 0035 32.69
LTVH SZ IP C 0035 32.69
BUD SZ IP C 0035 36.54
CSKK SZ IP C 0035 37.36
SOP SZ IP C 0035 37.99
TIH SZ IP 0035 40.39
MORH SZ IP C 0035 42.53
BEHE SZ IP C 0035 44.30
PSZ SE ES 0045 10.53
SOP SN ES 0045 24.23
MORH SN ES 0045 34.79

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**September 15 2013 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 48.61  
CSKK SN ESg 0047 51.01

**September 15 2013 Hour: 16:21:39.0 Lat: 51.69°N Lon: 174.74°W 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 1633 40.77  
PSZ SZ EP C 1633 45.70  
LTVH SZ EP C 1633 46.20  
CSKK SZ EP 1633 49.15  
SOP SZ EP C 1633 49.15  
TIH SZ EP C 1633 51.12  
MORH SZ EP C 1633 53.59  
BEHE SZ EP C 1633 54.08  
SOP SZ EPP 1636 42.44  
TRPA SZ EPP 1636 43.40  
LTVH SZ EPP 1636 53.47  
TIH SZ EPP 1636 53.95  
MORH SZ EPP 1636 56.35  
TRPA SE ES 1643 37.57  
TRPA SN ES 1643 54.19  
CSKK SN ES 1643 59.42  
LTVH SE ES 1644 02.33  
PSZ SZ ES 1644 04.52  
BEHE SN ES 1644 10.34  
SOP SZ ES 1644 11.07  
MORH SN ES 1644 19.01  
TIH SN ES 1644 21.99

**September 15 2013 Hour: 19:11:40.0 Lat: 36.47°N Lon: 71.20°E M: 4.6 Depth: 249 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1918 29.09  
PSZ SZ EP 1918 43.68  
MORH SZ EP 1918 51.58  
CSKK SZ EP 1918 53.38  
SOP SZ EP 1919 01.04  
BEHE SZ EP 1919 07.07

**September 15 2013 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 2014 56.53  
MORH SZ EPn 2014 59.54  
SOP SZ EPn 2015 01.43  
BEHE SN Sn 2015 23.55  
MORH SN Sn 2015 33.64  
TIH SN Sn 2015 39.96

**September 15 2013 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 2015 33.64  
CSKK SZ EPg 2034 24.87  
CSKK SN ESg 2034 26.22

**September 16 2013 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 0603 59.04  
 CSKK SE ESg 0604 00.34

**September 16 2013 Hour: 14:42:40.0 Lat: 38.68°N Lon: 22.71°E M: 4.6 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn D 1444 39.22  
 BEHE SZ EPn 1444 49.83  
 CSKK SZ EPn 1444 55.14  
 PSZ SZ EPn D 1444 58.29  
 TRPA SZ EPn 1444 59.17  
 TIH SZ EPn 1445 00.91  
 SOP SZ EPn 1445 05.30  
 BEHE SN Sn 1446 32.22  
 CSKK SN Sn 1446 33.36  
 PSZ SN Sn 1446 45.71  
 MORH SN ESg 1447 16.22  
 LTVH SN ESg 1447 23.01  
 BEHE SN ESg 1447 34.89  
 TIH SN ESg 1447 48.54  
 PSZ SE ESg 1448 03.12

**September 16 2013 Hour: 15:01:14.0 Lat: 38.71°N Lon: 22.73°E M: 5.3 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1503 13.64  
 BEHE SZ EPn 1503 24.96  
 LTVH SZ EPn D 1503 25.29  
 TIH SZ EPn D 1503 28.84  
 CSKK SZ EPn 1503 30.36  
 BUD SZ EPn D 1503 31.21  
 PSZ SZ EPn D 1503 31.75  
 TRPA SZ EPn D 1503 33.21  
 SOP SZ EPn 1503 44.04  
 MORH SN ESg 1505 33.36  
 LTVH SN ESg 1505 58.64  
 BEHE SN ESg 1506 11.97  
 TIH SN ESg 1506 16.41  
 TRPA SN ESg 1506 22.90

**September 16 2013 Hour: 16:05:02.0 Lat: 32.56°N Lon: 49.57°E M: 4.8 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1610 31.66  
 MORH SZ EP 1610 46.75  
 PSZ SZ EP 1610 47.29

**September 16 2013 Hour: 22:43:40.0 Lat: 39.62°N Lon: 100.51°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 2253 08.61  
 LTVH SZ EP 2253 14.76  
 PSZ SZ EP 2253 21.03  
 CSKK SZ EP 2253 29.40

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MORH SZ EP 2253 31.38  
BEHE SZ EP 2253 39.30

**September 17 2013 Hour: 04:09:13.0 Lat: 42.13°N Lon: 45.80°E 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 EPn D 0413 16.19  
LTVH SZ EPn 0413 20.48  
PSZ SZ EPn C 0413 38.60  
BUD SZ EPn C 0413 45.31  
MORH SZ EPn 0413 46.37  
CSKK SZ EPn C 0413 49.68  
TIH SZ EPn 0413 51.21  
BEHE SZ EPn 0414 00.67  
TRPA SN Sn D 0416 38.11  
LTVH SN Sn 0416 40.03  
PSZ SN Sn 0417 13.40  
CSKK SN Sn 0417 28.14  
MORH SN Sn 0417 31.04  
TIH SN Sn D 0417 41.01  
BEHE SN Sn 0417 48.30

**September 17 2013 Hour: 07:39:44.0 Lat: 38.71°N Lon: 22.73°E M: 4.1 Depth: 8 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn D 0741 43.75

**September 17 2013 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 1046 14.89  
PSZ SN ESG 1046 19.63

**September 17 2013 Hour: 20:40:51.0 Lat: 39.03°N Lon: 41.43°E 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 EPn 2044 43.10  
PSZ SZ EPn 2045 01.00  
MORH SZ EPn 2045 04.60  
CSKK SZ EPn 2045 10.38  
TRPA SE Sn 2047 36.22  
PSZ SN Sn 2048 25.98  
MORH SN Sn D 2048 33.09  
TIH SN Sn 2048 57.69

**September 18 2013 Hour: 00:27:47.6 Lat: 38.47°N Lon: 142.29°E M: 5.1 Depth: 48 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0039 42.43  
PSZ SZ EP C 0039 49.75  
BUD SZ EP C 0039 54.18  
MORH SZ EP 0039 58.49

**September 18 2013 Hour: 03:32:59.0 Lat: 51.06°N Lon: 15.96°E M: 3.2 Depth: 15 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0334 15.41

**September 18 2013 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 0731 06.87  
 MORH SN ESG 0731 12.99

**September 18 2013 Hour: 09:04:23.0 Lat: 15.73°N Lon: 39.46°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 0911 13.68

**September 18 2013 Hour: 18:22:42.0 Lat: 39.70°N Lon: 41.68°E M: 4.5 Depth: 7 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 1826 52.68  
 TIH SZ EP C 1826 52.85  
 MORH SZ EP 1826 55.55  
 CSKK SZ EP 1827 04.17

**September 18 2013 Hour: 18:32:56.0 Lat: 34.18°N Lon: 25.15°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 1835 55.95  
 CSKK SZ EPn 1836 18.51  
 MORH SN Sn 1838 14.60  
 CSKK SN Sn 1838 46.05

**September 19 2013 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 1359 12.36  
 PSZ SN ESG 1359 15.86

**September 19 2013 Hour: 17:25:09.0 Lat: 37.20°N Lon: 140.61°E M: 5.3 Depth: 22 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1737 10.91  
 PSZ SZ EP 1737 18.74  
 LTVH SZ EP 1737 21.50  
 CSKK SZ EP 1737 26.50  
 MORH SZ EP 1737 29.63  
 SOP SZ EP 1737 32.09  
 BEHE SZ EP 1737 34.24  
 TRPA SZ IP 1740 11.18  
 LTVH SZ IP 1740 22.47  
 SOP SZ IP 1740 38.05  
 MORH SZ IP 1740 38.59  
 TIH SZ IP 1740 40.20  
 BEHE SZ IP 1740 45.04  
 PSZ SN ES 1747 20.85  
 TRPA SN ES 1747 23.88  
 SOP SE ES 1747 42.11  
 MORH SN ES 1747 46.17

**September 19 2013 Hour: 21:37:02.0 Lat: 37.81°N Lon: 101.59°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 IP C 2146 44.17  
 LTVH SZ IP C 2146 49.74  
 PSZ SZ IP C 2146 56.78  
 BUD SZ IP C 2147 01.52

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CSKK SZ IP	2147 04.99
MORH SZ IP	C 2147 05.87
MORH SZ EP	C 2147 06.23
TIH SZ IP	C 2147 07.63
SOP SZ IP	C 2147 11.44
BEHE SZ IP	C 2147 14.08

**September 19 2013 Hour: 23:40:01.0 Lat: 44.52°N Lon: 12.66°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 EPn	2340 54.33
SOP SZ EPn	2341 04.39
MORH SZ EPn	2341 08.06
BEHE SZ EPg	2341 08.93
CSKK SZ EPn	2341 10.58
SOP SZ ESb	2341 14.38
MORH SZ EPg	2341 27.88
PSZ SZ EPn	2341 31.86
BEHE SN ESg	2341 54.89
MORH SN Sn	2342 00.42
SOP SN Sn	2342 04.58
MORH SN ESg	2342 16.31
CSKK SN Sn	2342 23.69
PSZ SN Sn	2342 32.59

**September 20 2013 Hour: 01:07:02.0 Lat: 51.62°N Lon: 16.20°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 EPn	0108 10.38
CSKK SZ EPn	0108 10.53
PSZ SZ EPn	0108 10.65
TIH SZ EPn	0108 16.25
BEHE SZ EPn	0108 20.51
TRPA SZ EPn	0108 22.83
LTVH SZ EPn	0108 26.91
MORH SZ EPn	0108 30.38
TRPA SZ EPg	0108 50.71
SOP SN Sn	0108 51.44
SOP SN ESg	0109 10.95
CSKK SN Sn	0109 13.56
TRPA SN Sn	0109 18.09
BEHE SN Sn	0109 18.63
PSZ SN ESg	0109 29.74
LTVH SN Sn	0109 40.22
BEHE SN ESg	0109 49.86
TRPA SN ESg	0110 03.74

**September 20 2013 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	0141 08.91
CSKK SN ESg	0141 09.70

**September 20 2013 Hour: 01:55:35.0 Lat: 20.59°S Lon: 178.53°W M: 4.8 Depth: 596 km**

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

TRPA SZ EPKIKP D 0214 13.71

LTVH SZ EPKIKP D 0214 15.83  
 TIH SZ EPKIKP C 0214 19.41  
 MORH SZ EPKIKP 0214 20.72  
 PSZ SZ EPKIKP 0214 23.65  
 CSKK SZ EPKIKP 0214 28.37

**September 20 2013 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 0244 28.80  
 SOP SN ESG 0244 32.32

**September 20 2013 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 D 0702 31.75  
 PSZ SZ EP 0702 39.35  
 MORH SZ EP 0702 45.91  
 LTVH SZ EP 0702 46.60

**September 20 2013 Hour: 12:26:25.0 Lat: 43.84°N Lon: 19.91°E M: 2.6 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1227 05.42  
 MORH SE Sn 1227 40.07  
 MORH SE ESb 1227 44.18

**September 20 2013 Hour: 12:24:47.0 Lat: 23.01°N Lon: 95.96°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 1235 30.22

**September 20 2013 Hour: 14:10:26.9 Lat: 49.74°N Lon: 18.72°E M: 3.0 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1411 04.24  
 PSZ SN Sn 1411 28.59

**September 20 2013 Hour: 15:42:53.0 Lat: 45.97°N Lon: 14.95°E M: 2.4 Depth: 19 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPg 1543 42.68  
 MORH SN ESG 1544 18.27

**September 20 2013 Hour: 20:16:46.0 Lat: 49.97°N Lon: 179.36°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 2028 57.23  
 PSZ SZ EP 2029 03.08  
 LTVH SZ EP 2029 04.04  
 SOP SZ EP 2029 06.63  
 CSKK SZ EP 2029 07.98  
 MORH SZ EP 2029 10.18  
 BEHE SZ EP 2029 13.06

**September 20 2013 Hour: 22:13:55.0 Lat: 44.02°N Lon: 20.09°E M: 2.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn C 2214 33.94  
 MORH SZ EPg 2214 44.47  
 LTVH SZ EPn 2214 45.86

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TIH SZ EPn	2214	45.98
BEHE SZ EPn	2214	50.46
CSKK SZ EPn	2214	50.88
PSZ SZ EPn	2214	54.72
SOP SZ EPn	2215	01.32
TRPA SZ EPn	2215	02.97
MORH SN ESg	2215	13.65
BEHE SN Sn	2215	33.10
LTVH SN Sn	2215	34.17
CSKK SN Sn	2215	34.38
PSZ SN Sn	2215	39.71
TRPA SN Sn	2215	51.27

**September 21 2013 Hour: 12:16:13.0 Lat: 27.96°N Lon: 105.69°W M: 5.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
SOP SZ EP	D 1229 05.67
PSZ SZ EP	D 1229 12.99
TRPA SZ EP	D 1229 17.60
LTVH SZ EP	1229 18.61

**September 21 2013 Hour: 16:48:59.0 Lat: 33.61°S Lon: 177.95°W M: 5.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
CSKK SZ EP	1708 52.72
TRPA SZ EP	D 1708 54.93
LTVH SZ EP	1708 56.51
PSZ SZ EP	D 1708 57.30
TIH SZ EP	1708 58.57
SOP SZ EP	1708 58.57
BEHE SZ EP	1709 01.41

**September 21 2013 Hour: 22:58:23.0 Lat: 52.30°N Lon: 173.85°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	C 2310 14.04
PSZ SZ EP	C 2310 18.55
LTVH SZ EP	C 2310 19.09
SOP SZ EP	C 2310 22.77
CSKK SZ EP	C 2310 22.85
TIH SZ EP	2310 26.32
BEHE SZ EP	C 2310 29.15

**September 22 2013 Hour: 12:27:00.0 Lat: 42.36°N Lon: 23.71°E M: 3.4 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EPn	1228 31.96
BEHE SZ EPn	1228 33.60
CSKK SZ EPn	1228 33.80
SOP SZ ESg	1228 45.09
TRPA SZ ESg	1228 51.32
PSZ SN EPn	1229 38.56
PSZ SN Sn	1229 39.34
BEHE SN Sn	1229 50.31
TIH SN ESg	1230 00.22
TRPA SN ESg	1230 12.90

**September 22 2013 Hour: 20:27:25.0 Lat: 44.07°N Lon: 20.09°E M: 2.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn C 2028 15.92  
 BEHE SZ EPn 2028 18.05  
 CSKK SZ EPn 2028 20.35  
 PSZ SZ EPn 2028 24.47  
 TRPA SZ EPn 2028 31.48  
 SOP SZ EPn D 2028 31.60  
 LTVH SE Sn 2029 02.43  
 CSKK SN Sn 2029 04.41  
 PSZ SN Sn 2029 10.14  
 TIH SN ESg 2029 11.39  
 BEHE SN ESg 2029 14.80  
 TRPA SN Sn 2029 22.50  
 SOP SN Sn 2029 22.77

**September 22 2013 Hour: 22:55:01.0 Lat: 43.86°N Lon: 19.88°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 2255 42.18  
 TIH SZ EPn 2255 54.26  
 BEHE SZ EPn 2255 54.90  
 CSKK SZ EPn 2255 59.65  
 PSZ SZ EPn 2256 01.89  
 SOP SZ EPn 2256 09.85  
 LTVH SZ EPg 2256 13.64  
 MORH SN Sn 2256 22.24  
 LTVH SE Sn 2256 43.62  
 CSKK SN Sn 2256 45.12  
 PSZ SN Sn 2256 48.75  
 SOP SN Sn 2257 00.65

**September 23 2013 Hour: 01:41:36.0 Lat: 32.92°N Lon: 48.21°E M: 4.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0146 57.29  
 LTVH SZ EP 0146 59.98  
 PSZ SZ EP 0147 11.36  
 MORH SZ EP 0147 12.49  
 CSKK SZ EP 0147 17.97  
 BEHE SZ EP 0147 23.13

**September 24 2013 Hour: 07:22:54.0 Lat: 7.40°N Lon: 59.45°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 0731 57.12  
 MORH SZ EP 0732 04.64  
 PSZ SZ EP 0732 06.04  
 CSKK SZ EP 0732 09.94  
 TIH SZ EP D 0732 10.74  
 BEHE SZ EP D 0732 13.84  
 SOP SZ EP 0732 19.05

**September 24 2013 Hour: 11:29:49.0 Lat: 27.07°N Lon: 65.56°E M: 7.7 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ IP D 1137 20.80

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PSZ SZ IP	D 1137 34.43
MORH SZ IP	D 1137 35.53
CSKK SZ IP	1137 39.89
BUD SZ IP	D 1137 41.99
BEHE SZ IP	D 1137 46.03
PSZ SZ IS	1143 14.02
MORH SZ IS	1143 17.81
LTVH SE IS	1143 19.97
PSZ SE IS	1143 25.38
BEHE SE IS	1143 52.42
CSKK SN IS	1143 54.58

**September 24 2013 Hour: 11:29:49.0 Lat: 27.07°N Lon: 65.56°E M: 7.7 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
LTVH SZ IP	D 1137 20.80
PSZ SZ IP	D 1137 34.43
MORH SZ IP	D 1137 35.53
CSKK SZ IP	1137 39.89
BEHE SZ IP	D 1137 46.03
PSZ SZ IS	1143 14.02
MORH SZ IS	1143 17.81
LTVH SE IS	1143 19.97
PSZ SE IS	1143 25.38
BEHE SE IS	1143 52.42
CSKK SN IS	1143 54.58

**September 24 2013 Hour: 11:36:31.0 Lat: 27.36°N Lon: 65.67°E M: 5.9 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1143 32.54
PSZ SZ EP	1143 59.78
MORH SZ EP	1144 11.57
BEHE SZ EP	1144 14.94
CSKK SZ EP	1144 16.63

**September 24 2013 Hour: 13:01:42.0 Lat: 27.49°N Lon: 65.73°E M: 5.5 Depth: 25 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1309 09.54
PSZ SZ EP	1309 21.98
MORH SZ EP	1309 26.10
CSKK SZ EP	1309 30.64
BEHE SZ EP	1309 39.07
SOP SZ EP	1309 39.41

**September 24 2013 Hour: 15:39:29.0 Lat: 67.58°N Lon: 142.94°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	1549 11.14
PSZ SZ EP	1549 16.42
SOP SZ EP	1549 19.59
CSKK SZ EP	1549 23.22
MORH SZ EP	1549 28.54

**September 24 2013 Hour: 17:20:16.0 Lat: 27.22°N Lon: 65.55°E M: 5.5 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
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TRPA SZ EP	D	1727	43.02
LTVH SZ EP	D	1727	48.95
PSZ SZ EP	D	1727	56.70
MORH SZ EP	D	1728	00.49
CSKK SZ EP		1728	04.51
TIH SZ EP		1728	09.38
BEHE SZ EP		1728	11.82
SOP SZ EP		1728	14.89
TRPA SN ES		1733	50.65
LTVH SN ES		1733	51.51
MORH SN ES		1734	15.01
BEHE SN ES		1734	32.79
SOP SN ES		1734	40.53

**September 24 2013 Hour: 21:59:05.0 Lat: 27.58°N Lon: 65.80°E M: 4.9 Depth: 25 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	2206	32.23
PSZ SZ EP	2206	43.52
MORH SZ EP	2206	47.77
CSKK SZ EP	2206	53.22
BEHE SZ EP	2207	00.01
SOP SZ EP	2207	01.86

**September 24 2013 Hour: 22:38:19.0 Lat: 27.57°N Lon: 65.56°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 EP	D	2245	48.62
LTVH SZ EP		2245	55.61
PSZ SZ EP	D	2245	59.08
MORH SZ EP	D	2246	02.67
CSKK SZ EP		2246	08.52
BEHE SZ EP	D	2246	12.55
SOP SZ EP		2246	14.91

**September 24 2013 Hour: 23:38:23.0 Lat: 24.25°S Lon: 175.06°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 EPKiKP	2358	13.10	
LTVH SZ EPKiKP	2358	13.55	
BUD SZ EPKiKP	D	2358	13.80
SOP SZ EPKiKP		2358	14.24
PSZ SZ EPKiKP		2358	14.24
MORH SZ EPKiKP	D	2358	14.24
BEHE SZ EPKiKP		2358	14.70
CSKK SZ EPKiKP		2358	23.38

**September 25 2013 Hour: 06:51:23.0 Lat: 50.03°S Lon: 113.77°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 SZ EPKiKP	0711	14.95
PSZ SZ EPKiKP	0711	16.65
CSKK SZ EPKiKP	0711	19.26
TRPA SZ EPKiKP	0711	19.52
LTVH SZ EPKiKP	0711	20.04
BEHE SZ EPKiKP	0711	21.21
TIH SZ EPKiKP	0711	22.90

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MORH SE IS	0734 20.88
PSZ SE IS	D 0734 44.95
TRPA SE IS	0735 49.15

**September 25 2013 Hour: 13:58:15.0 Lat: 52.94°N Lon: 171.30°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 IP	C 1410 02.53
PSZ SZ IP	C 1410 07.07
LTVH SZ IP	C 1410 07.36
BUD SZ IP	C 1410 10.40
CSKK SZ IP	C 1410 11.33
SOP SZ EP	C 1410 11.95
SOP SZ IP	1410 12.18
TIH SZ IP	C 1410 15.30
MORH SZ IP	C 1410 16.44
BEHE SZ IP	C 1410 17.57
LTVH SZ I	1420 34.14

**September 25 2013 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 1612 38.50
CSKK SN ESG	1612 39.01

**September 25 2013 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 1632 20.26
CSKK SN ESG	1632 20.79

**September 25 2013 Hour: 16:42:43.0 Lat: 15.91°S Lon: 74.63°W M: 7.0 Depth: 40 km**

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

SOP SZ EP	C 1656 36.96
BEHE SZ EP	C 1656 36.96
TIH SZ EP	C 1656 40.69
MORH SZ EP	C 1656 42.30
CSKK SZ EP	1656 42.68
BUD SZ EP	C 1656 44.24
PSZ SZ EP	C 1656 46.57
LTVH SZ EP	C 1656 51.84
TRPA SZ EP	C 1656 54.80
SOP SZ EPKiKP	1700 02.26
BEHE SZ EPKiKP	1700 02.92
PSZ SZ EPKiKP	1700 03.57
CSKK SZ EPKiKP	1700 12.05
MORH SZ EPKiKP	1700 13.35
TIH SZ EPKiKP	1700 14.66
LTVH SZ EPKiKP	1700 15.31
TRPA SZ EPKiKP	1700 20.53
BEHE SN ES	1707 24.49
PSZ SE ES	1707 39.25
TRPA SN ES	1707 42.35
MORH SN ES	1707 43.91
LTVH SN ES	1707 50.90
TIH SZ ES	1708 06.43

**September 26 2013 Hour: 01:18:52.0 Lat: 57.57°N Lon: 33.04°W M: 5.5 Depth: 2 km**

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

SOP SZ EP 0125 12.84

BEHE SZ EP 0125 19.40

CSKK SZ EP 0125 21.46

TIH SZ EP C 0125 22.68

PSZ SZ EP C 0125 26.70

MORH SZ EP C 0125 29.14

TRPA SZ EP C 0125 37.10

LTVH SZ EP C 0125 39.07

SOP SZ EPP 0126 11.80

CSKK SZ EPP 0126 22.29

TIH SZ EPP 0126 29.62

PSZ SZ EPP 0126 30.41

BEHE SZ EPP 0126 31.46

MORH SZ EPP 0126 41.94

TRPA SZ EPP 0126 50.85

LTVH SZ EPP 0126 53.47

**September 26 2013 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 0236 36.12

BEHE SZ EPn 0236 41.96

PSZ SZ Sn 0238 39.10

**September 26 2013 Hour: 06:46:05.0 Lat: 14.45°N Lon: 93.36°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 0659 16.72

BEHE SZ IP C 0659 17.55

TIH SZ EP 0659 20.44

MORH SZ IP C 0659 22.09

PSZ SZ IP 0659 23.33

LTVH SZ EP 0659 29.52

TRPA SZ IP C 0659 31.17

MORH SE ES 0709 57.04

PSZ SE ES 0710 01.73

TRPA SN ES 0710 31.61

**September 26 2013 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 D 0932 42.77

MORH SN ESG 0932 47.35

**September 27 2013 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 0559 39.33

MORH SN ESG 0559 43.31

**September 27 2013 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 0636 20.76

MORH SE ESG 0636 26.81

**September 27 2013 Hour: 06:51:01.0 Lat: 26.24°N Lon: 64.43°E 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 EP 0658 32.15  
PSZ SZ EP 0658 46.42  
MORH SZ EP 0658 47.04  
BUD SZ EP 0659 24.22

**September 27 2013 Hour: 08:03:15.0 Lat: 14.56°N Lon: 119.10°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 0815 43.18  
PSZ SZ EP 0815 54.29  
MORH SZ EP 0815 58.44

**September 27 2013 Hour: 10:02:45.0 Lat: 37.14°N Lon: 45.06°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 1007 14.88  
PSZ SZ EP D 1007 32.42  
MORH SZ EP D 1007 33.13  
CSKK SZ EP 1007 41.79

**September 27 2013 Hour: 18:00:51.0 Lat: 1.23°S Lon: 133.79°E M: 4.7 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1816 05.58  
MORH SZ EP C 1816 25.60  
PSZ SZ EP D 1816 26.25  
TIH SZ EP 1816 28.25  
CSKK SZ EP 1816 29.41  
BEHE SZ EP C 1816 36.56  
SOP SZ EP 1816 36.73

**September 27 2013 Hour: 18:36:41.0 Lat: 43.49°N Lon: 134.11°E M: 4.7 Depth: 436 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1847 13.17  
PSZ SZ EP D 1847 21.56  
BUD SZ EP D 1847 26.08  
LTVH SZ EP 1847 26.15  
CSKK SZ EP 1847 27.93  
BEHE SZ EP D 1847 29.05  
MORH SZ EP D 1847 31.06  
SOP SZ EP D 1847 31.68

**September 28 2013 Hour: 07:34:06.0 Lat: 27.24°N Lon: 65.56°E M: 6.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 0741 34.76  
LTVH SZ EP 0741 39.55  
PSZ SZ EP D 0741 49.12  
MORH SZ EP 0741 51.69  
CSKK SZ EP D 0741 54.27  
TIH SZ EP 0741 57.95  
BUD SZ EP D 0742 00.09  
SOP SZ EP D 0742 05.31  
BEHE SZ EP D 0742 06.79

LTVH SE ES	0747 40.17
TRPA SN ES	0747 48.47
PSZ SN ES	0748 10.61
MORH SN ES	D 0748 10.61
CSKK SN ES	0748 17.53
TIH SN ES	0748 23.07
SOP SN ES	0748 35.52
BEHE SN ES	0748 36.90

**September 28 2013 Hour: 11:13:47.0 Lat: 16.50°S Lon: 173.75°W M: 5.7 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EPKiKP D 1133 19.23	
LTVH SZ EPKiKP D 1133 22.43	
PSZ SZ EPKiKP D 1133 22.65	
BUD SZ EPKiKP D 1133 24.77	
CSKK SZ EPKiKP 1133 25.08	
SOP SZ EPKiKP D 1133 25.41	
TIH SZ EPKiKP D 1133 26.07	
MORH SZ EPKiKP D 1133 27.51	
BEHE SZ EPKiKP D 1133 28.50	

**September 28 2013 Hour: 22:51:35.0 Lat: 7.56°S Lon: 128.20°E M: 4.6 Depth: 142 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EP 2305 13.60	
LTVH SZ EP 2305 22.68	
TIH SZ EP 2305 25.48	
BEHE SZ EP 2305 26.39	
CSKK SZ EP 2305 29.85	
SOP SZ EP 2305 30.47	

**September 29 2013 Hour: 13:31:34.0 Lat: 48.19°N Lon: 152.56°E M: 5.3 Depth: 146 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP D 1342 58.79	
PSZ SZ EP D 1343 05.44	
LTVH SZ EP 1343 05.80	
CSKK SZ EP D 1343 11.76	
SOP SZ EP D 1343 13.03	
TIH SZ EP D 1343 13.77	
MORH SZ EP D 1343 14.83	
BEHE SZ EP D 1343 17.45	

**September 29 2013 Hour: 18:10:51.0 Lat: 45.49°N Lon: 27.84°E M: 3.9 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EPn 1811 59.56	
TRPA SZ EPg 1812 16.96	
PSZ SZ EPn 1812 18.17	
TRPA SN Sn 1812 53.78	
PSZ SE Sn 1813 24.54	

**September 30 2013 Hour: 05:01:57.0 Lat: 45.49°N Lon: 27.79°E M: 3.7 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EPn 0503 05.49	
TRPA SZ EPg 0503 22.93	

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TRPA SN Sn 0503 56.87  
TRPA SN ESg 0504 23.19

**September 30 2013 Hour: 05:55:55.0 Lat: 30.92°S Lon: 178.26°W M: 6.4 Depth: 40 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 0615 45.83  
LTVH SZ EP C 0615 45.83  
TRPA SZ EP 0615 45.83  
PSZ SZ EP C 0615 46.42  
SOP SZ EP 0615 46.46  
BUD SZ EP C 0615 47.56  
TIH SZ EP 0615 47.71  
MORH SZ EP C 0615 48.84

**September 30 2013 Hour: 08:16:09.0 Lat: 49.50°N Lon: 28.58°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 0822 18.93  
SOP SZ EP 0822 21.60  
LTVH SZ EP 0822 22.86  
CSKK SZ EP 0822 25.94  
PSZ SZ EP 0822 27.20  
TRPA SZ EP 0822 44.99

**September 30 2013 Hour: 10:08:07.0 Lat: 21.07°S Lon: 179.11°W M: 5.2 Depth: 620 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP D 1026 43.19  
PSZ SZ EPKiKP D 1026 46.20  
LTVH SZ EPKiKP 1026 47.88  
BEHE SZ EPKiKP 1026 47.88  
CSKK SZ EPKiKP D 1026 48.54  
SOP SZ EPKiKP D 1026 49.79  
MORH SZ EPKiKP D 1026 50.31

**September 30 2013 Hour: 22:40:59.0 Lat: 20.79°S Lon: 175.00°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 EPKiKP C 2300 47.42  
TIH SZ EPKiKP 2300 49.53  
LTVH SZ EPKiKP 2300 50.01  
PSZ SZ EPKiKP C 2300 50.22  
CSKK SZ EPKiKP C 2300 52.12  
BUD SZ EPKiKP C 2300 52.24  
SOP SZ EPKiKP C 2300 53.10  
MORH SZ EPKiKP C 2300 54.23  
BEHE SZ EPKiKP 2300 54.80

**September 30 2013 Hour: 23:44:40.0 Lat: 29.23°N Lon: 51.33°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 2350 41.33  
TIH SZ EP 2350 48.65  
PSZ SZ EP 2350 53.67  
MORH SZ EP 2350 54.82  
CSKK SZ EP 2350 59.85  
SOP SZ EP 2351 10.84

**October 01 2013 Hour: 03:38:21.0 Lat: 53.17°N Lon: 152.88°E M: 6.7 Depth: 570 km**

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

TRPA SZ IP D 0348 40.90

LTVH SZ IP D 0348 46.19

PSZ SZ IP D 0348 47.17

BUD SZ IP D 0348 50.81

CSKK SZ IP D 0348 52.80

SOP SZ IP D 0348 54.42

TIH SZ IP D 0348 55.57

MORH SZ IP D 0348 56.73

BEHE SZ IP D 0348 59.42

TRPA SN IS 0357 07.85

LTVH SN IS 0357 14.57

PSZ SN IS 0357 22.40

CSKK SN IS 0357 31.36

TIH SN IS 0357 33.60

SOP SN IS 0357 34.16

MORH SN IS 0357 36.40

BEHE SN IS 0357 43.68

**October 01 2013 Hour: 19:41:31.0 Lat: 55.80°N Lon: 34.76°W M: 5.1 Depth: 2 km**

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

SOP SZ EP 1948 00.37

CSKK SZ EP D 1948 10.46

TIH SZ EP C 1948 10.65

LTVH SZ EP 1948 13.39

PSZ SZ EP 1948 15.65

MORH SZ EP C 1948 17.16

TRPA SZ EP 1948 33.20

SOP SN ES 1953 19.48

PSZ SN ES 1953 42.60

MORH SN ES 1953 45.64

SOP SN ESS 1955 34.52

PSZ SN ESS 1956 01.89

MORH SE ESS 1956 07.97

**October 02 2013 Hour: 01:06:36.0 Lat: 11.25°N Lon: 57.54°E M: 5.7 Depth: 2 km**

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

LTVH SZ EP 0115 08.84

TRPA SZ EP C 0115 09.30

MORH SZ EP 0115 16.47

PSZ SZ EP 0115 18.38

BUD SZ EP 0115 21.81

TIH SZ EP 0115 22.92

CSKK SZ EP 0115 23.56

BEHE SZ EP C 0115 26.83

SOP SZ EP 0115 32.01

TRPA SN EPP 0116 56.30

LTVH SZ EPP 0116 59.92

MORH SZ EPP 0117 10.19

PSZ SZ EPP 0117 12.91

TIH SZ EPP 0117 15.63

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SOP SZ EPP	0117 21.07
BEHE SZ EPP	0117 21.37
TRPA SN ES	0121 58.54
MORH SN ES	0122 13.78
PSZ SN ES	0122 21.41
TIH SN ES	0122 25.22
SOP SN ES	0122 43.00
LTVH SN ESS	0125 37.39
TRPA SN ESS	0125 39.10
MORH SN ESS	0125 45.10
PSZ SN ESS	0125 53.68
CSKK SN ESS	0125 54.53
TIH SN ESS	0126 01.39
BEHE SN ESS	0126 06.54
SOP SN ESS	0126 13.39

**October 02 2013 Hour: 04:10:09.8 Lat: 18.00°S Lon: 178.46°W M: 4.6 Depth: 574 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP	C 0428 43.75
LTVH SZ EP	C 0428 46.80
PSZ SZ EP	0428 47.06
CSKK SZ EP	0428 50.27
SOP SZ EP	0428 51.55
MORH SZ EP	C 0428 51.60
TIH SZ EP	D 0428 51.60

**October 03 2013 Hour: 00:18:23.3 Lat: 47.95°N Lon: 16.38°E M: 1.3 Depth: 5 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
SOP SZ EPg	0018 29.73
SOP SN ESg	0018 33.45
MORH SZ EPn	0019 01.87

**October 03 2013 Hour: 00:57:57.0 Lat: 44.29°N Lon: 17.26°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	0058 34.60
BEHE SZ EPn	0058 36.30
CSKK SZ EPn	0058 47.88
PSZ SZ EPn	0059 03.72
BEHE SN Sn	0059 03.96
MORH SN Sn	0059 06.10
PSZ SN Sn	0059 46.70

**October 03 2013 Hour: 00:52:03.6 Lat: 10.71°N Lon: 126.69°E M: 4.7 Depth: 25 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ IP	D 0104 57.88
LTVH SZ EP	D 0105 00.71
PSZ SZ EP	D 0105 01.26
BUD SZ EP	D 0105 02.90
CSKK SZ EP	0105 03.94
SOP SZ EP	D 0105 04.60
TIH SZ EP	0105 05.25
MORH SZ EP	D 0105 05.65

**October 03 2013 Hour: 03:31:23.0 Lat: 11.24°N Lon: 57.53°E 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 EP 0339 54.33  
 MORH SZ EP 0340 00.98  
 SOP SZ EP 0340 16.46

**October 03 2013 Hour: 04:13:48.0 Lat: 28.31°N Lon: 129.96°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 IP C 0425 58.03  
 PSZ SZ IP C 0426 06.57  
 MORH SZ IP C 0426 14.35

**October 03 2013 Hour: 06:12:39.0 Lat: 27.40°N Lon: 88.57°E M: 5.3 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0622 06.96  
 MORH SZ EP C 0622 26.72  
 SOP SZ EP C 0622 35.61

**October 03 2013 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 0801 34.50  
 CSKK SE ESG 0801 37.30

**October 03 2013 Hour: 17:32:42.0 Lat: 29.59°S Lon: 178.31°W M: 5.1 Depth: 187 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1752 41.41  
 PSZ SZ EP 1752 47.05  
 BUD SZ EP 1752 47.05  
 LTVH SZ EP 1752 51.23  
 CSKK SZ EP 1752 52.08  
 MORH SZ EP 1752 54.70

**October 04 2013 Hour: 01:38:16.0 Lat: 50.60°N Lon: 157.30°E M: 5.1 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0149 49.26  
 SOP SZ EP 0149 54.86  
 CSKK SZ EP 0150 00.96  
 MORH SZ EP 0150 04.33  
 BEHE SZ EP 0150 07.38

**October 04 2013 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 0223 54.45  
 CSKK SE ESG 0223 55.11

**October 04 2013 Hour: 03:01:13.0 Lat: 32.07°N Lon: 104.61°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 0311 33.83  
 PSZ SZ EP 0311 44.41  
 MORH SZ EP 0311 53.73  
 SOP SZ EP C 0311 59.36  
 BEHE SZ EP C 0312 01.20

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**October 04 2013** Hour: 12:30:46.0 Lat: 27.63°N Lon: 139.87°E M: 4.8 Depth: 454 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 1242 52.08

**October 04 2013** Hour: 17:26:15.0 Lat: 38.64°S Lon: 78.51°W M: 6.4 Depth: 10 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1740 03.72  
MORH SZ EP 1740 05.40

**October 05 2013** Hour: 00:27:06.0 Lat: 36.82°N Lon: 71.52°E M: 5.0 Depth: 100 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EP 0034 05.02  
TRPA SZ EP 0034 08.91  
PSZ SZ EP 0034 23.76  
MORH SZ EP 0034 31.81  
CSKK SZ EP 0034 33.06  
BEHE SZ EP 0034 40.83  
SOP SZ EP 0034 41.53

**October 05 2013** Hour: 20:50:29.0 Lat: 21.84°S Lon: 179.21°W M: 4.9 Depth: 578 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 2109 11.71  
PSZ SZ EP 2109 14.99  
CSKK SZ EP 2109 16.27  
TIH SZ EP 2109 18.08  
SOP SZ EP 2109 18.48  
MORH SZ EP 2109 18.75

**October 06 2013** Hour: 01:37:21.0 Lat: 45.64°N Lon: 26.69°E M: 5.3 Depth: 134 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 0138 15.48  
TRPA SZ EPn D 0138 16.37  
PSZ SZ EPn 0138 34.86  
BUD SZ EPn D 0138 40.80  
MORH SZ EPn D 0138 40.83  
CSKK SZ EPn 0138 47.98  
TIH SZ EPn D 0138 48.88  
TRPA SN Sn 0138 58.12  
BEHE SZ EPn D 0139 00.21  
SOP SZ EPn D 0139 02.89  
LTVH SN Sn 0139 10.38  
MORH SN Sn 0139 45.83  
TIH SN Sn 0140 00.16  
CSKK SN Sn 0140 22.51  
SOP SN ESg 0140 53.76  
BEHE SN ESg 0141 04.39

**October 06 2013** Hour: 11:39:00.0 Lat: 47.74°N Lon: 20.07°E M: Depth: 0 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD SN ESg 1143 52.06  
PSZ SN ESg 1144 01.13

**October 06 2013** 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 1926 25.93  
 CSKK SN ESG 1926 26.54  
 MORH SZ EPn 1926 47.05  
 MORH SN Sn 1927 02.63

**October 06 2013 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 1928 58.93  
 CSKK SN ESG 1928 59.48

**October 06 2013 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 1941 41.31  
 CSKK SN ESG 1941 42.07

**October 06 2013 Hour: 21:33:19.0 Lat: 36.54°S Lon: 97.56°W M: 6.2 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 2138 11.88  
 TIH SZ EP D 2138 13.45  
 MORH SZ EP D 2138 13.45  
 SOP SZ EP 2138 15.02

**October 07 2013 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 0636 08.55  
 CSKK SE ESG 0636 09.63

**October 08 2013 Hour: 01:39:23.0 Lat: 20.70°S Lon: 178.65°W M: 4.8 Depth: 588 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP D 0158 01.82  
 LTVH SZ EP 0158 04.69  
 PSZ SZ EP 0158 04.93  
 BUD SZ EP 0158 06.93  
 CSKK SZ EP 0158 07.50  
 TIH SZ EP 0158 07.99  
 SOP SZ EP D 0158 08.29  
 MORH SZ EP 0158 08.93

**October 08 2013 Hour: 02:52:12.0 Lat: 27.16°N Lon: 55.87°E M: 4.9 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0258 45.78  
 PSZ SZ EP 0258 59.40  
 MORH SZ EP 0259 00.48  
 BUD SZ EP 0259 01.39  
 CSKK SZ EP 0259 06.27  
 BEHE SZ EP 0259 11.40  
 SOP SZ EP 0259 17.19

**October 08 2013 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 0643 42.21  
 MORH SE ESG 0643 48.21

**October 08 2013 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 1059 16.09  
CSKK SN ESg 1059 18.55

**October 08 2013 Hour: 13:39:53.0 Lat: 58.92°S Lon: 149.20°E M: 5.7 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 1359 39.06  
MORH SZ EPKiKP 1359 41.18  
MPLH SZ EPKiKP 1359 42.59  
PSZ SZ EPKiKP 1359 43.44  
TIH SZ EPKiKP 1359 44.56  
BEHE SZ EPKiKP 1359 48.94  
SOP SZ EPKiKP 1359 53.03

**October 08 2013 Hour: 20:26:21.0 Lat: 45.40°N Lon: 150.37°E M: 5.2 Depth: 45 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IPKiKP C 2038 05.28  
BEHE SZ EPKiKP 2038 10.34  
PSZ SZ IPKiKP C 2038 12.20  
BUD SZ IPKiKP 2038 16.51  
CSKK SZ EPKiKP 2038 18.14  
SOP SZ IPKiKP C 2038 20.11  
MPLH SZ IPKiKP C 2038 20.55  
TIH SZ EPKiKP 2038 20.99  
MORH SZ EPKiKP 2038 21.43  
LTVH SZ EPKiKP 2038 23.41

**October 09 2013 Hour: 01:01:57.0 Lat: 20.56°S Lon: 177.66°W M: 4.2 Depth: 400 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKiKP 0118 35.58

**October 09 2013 Hour: 01:08:57.2 Lat: 47.43°N Lon: 153.09°E M: 4.1 Depth: 100 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0120 54.65  
PSZ SZ EP 0120 57.19  
SOP SZ EP 0120 59.17  
MPLH SZ EP 0121 01.01  
MORH SZ EP 0121 02.00  
CSKK SZ EP 0121 02.70

**October 09 2013 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 0725 02.08  
CSKK SN ESg 0725 06.32  
MPLH SN ESg 0725 12.79  
TIH SN ESg 0725 13.26

**October 09 2013 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 0744 42.67  
MORH SN ESg 0744 45.41

**October 09 2013 Hour: 10:55:21.2 Lat: 34.76°N Lon: 52.71°E M: 3.9 Depth: 12 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1100 12.08  
 PSZ SZ EP 1100 19.09  
 MORH SZ EP 1100 28.25  
 BEHE SZ EP 1100 30.85

**October 09 2013 Hour: 17:22:47.0 Lat: 33.18°N Lon: 15.80°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 1725 58.79

**October 09 2013 Hour: 19:49:04.0 Lat: 52.51°N Lon: 169.35°W M: 5.1 Depth: 32 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2001 05.42  
 PSZ SZ EP C 2001 08.79  
 SOP SZ EP 2001 10.95  
 CSKK SZ EP 2001 12.30  
 BUD SZ EP 2001 12.88  
 MPLH SZ EP C 2001 13.79  
 TIH SZ EP 2001 15.00

**October 09 2013 Hour: 21:43:44.0 Lat: 32.40°N Lon: 141.75°E M: 5.0 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2156 09.53  
 PSZ SZ EP 2156 17.35

**October 10 2013 Hour: 04:21:00.0 Lat: 52.22°N Lon: 160.56°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 0432 34.78  
 PSZ SZ EP 0432 36.51  
 CSKK SZ EP 0432 46.14  
 MPLH SZ EP C 0432 48.37

**October 10 2013 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 0742 25.03  
 CSKK SN ESG 0742 27.85

**October 10 2013 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 0754 42.30  
 CSKK SE ESG 0754 43.28

**October 10 2013 Hour: 12:26:48.0 Lat: 36.21°N Lon: 21.86°E M: 4.4 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD SZ EP 1228 32.56  
 MORH SZ EP 1229 10.11  
 BEHE SZ EP 1229 19.81  
 MPLH SZ EP 1229 27.81  
 PSZ SZ EP 1229 32.66  
 TIH SZ EP 1229 34.92  
 TRPA SZ EP D 1229 35.71

**October 11 2013 Hour: 05:15:46.0 Lat: 40.69°N Lon: 23.41°E M: 4.6 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0517 22.33  
TIH SZ EPn 0517 34.17  
BEHE SZ EPn 0517 37.69  
MPLH SZ EPn 0517 39.93  
CSKK SZ EPn 0517 46.01  
SOP SZ EPn 0517 52.09  
MORH SN Sn 0518 34.97  
LTVH SN Sn 0518 45.85  
TIH SN Sn 0518 59.29  
CSKK SN Sn 0519 03.13  
MPLH SN Sn 0519 04.41  
BEHE SN Sn 0519 04.67  
SOP SN Sn 0519 22.97

**October 11 2013 Hour: 13:12:57.0 Lat: 5.94°S Lon: 102.99°E M: 5.3 Depth: 35 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1325 44.82  
PSZ SZ EP 1325 52.95  
MORH SZ EP 1325 55.75  
MPLH SZ EP 1325 59.72  
BEHE SZ EP 1326 13.54

**October 11 2013 Hour: 17:43:12.0 Lat: 36.46°N Lon: 140.66°E M: 5.1 Depth: 51 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1755 13.03  
PSZ SZ EP D 1755 21.23  
MPLH SZ EP 1755 29.68  
SOP SZ EP 1755 30.09

**October 11 2013 Hour: 19:34:34.0 Lat: 52.62°N Lon: 160.51°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 D 1946 04.59  
PSZ SZ EP 1946 11.31  
CSKK SZ EP 1946 14.82

**October 11 2013 Hour: 21:24:57.0 Lat: 30.79°S Lon: 178.39°W M: 6.2 Depth: 132 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 2144 35.25  
MPLH SZ EP 2144 36.22  
TRPA SZ EP 2144 36.55  
SOP SZ EP 2144 36.55  
MORH SZ EP 2144 37.85  
BEHE SZ EP 2144 39.14  
CSKK SZ EP D 2144 39.79  
LTVH SZ EP D 2144 40.12  
TIH SZ EP 2144 41.09

**October 12 2013 Hour: 02:10:29.0 Lat: 10.86°N Lon: 62.37°E M: 6.0 Depth: 75 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPP C 0221 59.84

BEHE SZ EPP	C 0222 01.09
MPLH SZ EPP	C 0222 04.33
TIH SZ EPP	C 0222 05.46
CSKK SZ EPP	0222 06.83
MORH SZ EPP	C 0222 08.82
BUD SZ EPP	0222 10.18
PSZ SZ EPP	C 0222 12.94
LTVH SZ EPP	C 0222 21.29
TRPA SZ EPP	C 0222 23.04
SOP SN ESS	0231 24.24
MPLH SN ESS	0231 35.06
BEHE SN ESS	0231 35.06
TIH SN ESS	0231 36.15
MORH SN ESS	0231 40.48
PSZ SN ESS	0231 51.30
TRPA SN ESS	0232 07.54

**October 12 2013 Hour: 13:11:54.0 Lat: 35.56°N Lon: 23.31°E M: 6.4 Depth: 47 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EP	1314 29.37
BEHE SZ EP	1314 40.86
LTVH SZ EP	1314 41.64
TIH SZ EP	1314 42.02
MPLH SZ EP	1314 46.50
BUD SZ EP	1314 46.83
CSKK SZ EP	1314 47.67
PSZ SZ EP	1314 49.23
TRPA SZ EP	1314 49.62
SOP SZ EP	1314 55.26
MORH SN Sn	1316 33.51
BEHE SN Sn	1316 53.09
TIH SN Sn	1316 55.91
BUD SN Sn	1317 03.21
CSKK SN Sn	1317 04.90
MPLH SN Sn	1317 04.90
PSZ SN Sn	1317 09.36
SOP SN Sn	1317 20.00

**October 12 2013 Hour: 14:30:09.0 Lat: 0.72°N Lon: 122.19°E M: 5.6 Depth: 91 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EP	1443 59.18
MORH SZ EP	1444 37.76
BUD SZ EP	1444 41.58

**October 13 2013 Hour: 00:36:22.2 Lat: 49.74°N Lon: 18.72°E M: 3.1 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPn	0037 00.02
BEHE SZ EPn	0037 17.91
MORH SZ EPn	0037 18.39
PSZ SN Sn	0037 21.81
PSZ SN ESg	0037 27.09
MORH SN Sn	0037 59.43
BEHE SN Sn	0038 00.58

**October 13 2013 Hour: 01:17:53.0 Lat: 36.49°N Lon: 70.79°E M: 5.3 Depth: 200 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0124 44.38  
LTVH SZ EP C 0124 48.68  
PSZ SZ EP 0124 59.19  
BUD SZ EP 0125 04.91  
CSKK SZ EP 0125 05.41  
MORH SZ EP C 0125 06.36  
TIH SZ EP C 0125 10.19  
MPLH SZ EP 0125 12.58  
BEHE SZ EP C 0125 17.12  
SOP SZ EP C 0125 17.12  
TRPA SZ EPP 0126 21.91  
PSZ SZ EPP 0126 38.55  
CSKK SZ EPP 0126 47.19  
MPLH SZ EPP 0126 52.63  
SOP SZ EPP 0126 58.71

**October 13 2013 Hour: 07:34:05.0 Lat: 63.78°N Lon: 22.60°W M: 4.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 0739 48.71  
CSKK SZ EP 0739 53.35

**October 13 2013 Hour: 17:32:46.0 Lat: 4.04°N Lon: 95.96°E M: 5.6 Depth: 49 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ IP C 1744 28.17  
LTVH SZ IP C 1744 30.87  
PSZ SZ IP C 1744 38.18  
MORH SZ IP C 1744 41.03  
TIH SZ IP C 1744 41.30  
CSKK SZ IP 1744 44.05  
TIH SZ IP C 1744 45.32  
MPLH SZ IP C 1744 46.59  
BEHE SZ IP C 1744 49.61  
SOP SZ IP C 1744 50.40

**October 13 2013 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 2126 40.67  
CSKK SN ESg 2126 41.22

**October 13 2013 Hour: 21:39:49.0 Lat: 54.43°S Lon: 143.52°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 EP 2159 24.00  
BUD SZ EP 2159 26.72  
MPLH SZ EP 2159 27.46  
CSKK SZ EP 2159 27.95  
TIH SZ EP 2159 27.95  
BEHE SZ EP 2159 33.51

**October 14 2013 Hour: 00:11:27.5 Lat: 54.79°S Lon: 143.95°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 EPKiKP 0031 09.46

**October 14 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EPg D 0706 28.96  
 MPLH SN ESg 0706 30.95

**October 14 2013 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 1200 11.33  
 PSZ SN ESg 1200 17.38

**October 14 2013 Hour: 20:33:19.0 Lat: 34.81°N Lon: 45.89°E M: 4.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 2038 28.87

**October 15 2013 Hour: 00:12:33.0 Lat: 9.92°N Lon: 124.10°E M: 7.1 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EP 0025 34.71  
 TRPA SZ EP 0025 36.11  
 PSZ SZ EP 0025 43.13  
 BUD SZ EP 0025 46.66  
 CSKK SZ EP 0025 49.45  
 TIH SZ EP 0025 52.26  
 SOP SZ EP 0025 53.66  
 MORH SZ EP 0025 53.66  
 MPLH SZ EP 0025 55.07  
 BEHE SZ EP 0025 56.47  
 TRPA SN IS 0036 42.37  
 LTVH SN IS 0036 46.59  
 MORH SN IS 0036 55.04  
 PSZ SN IS 0037 01.37  
 SOP SN IS 0037 07.70  
 BEHE SN IS 0037 18.25  
 TIH SN IS 0037 22.48  
 MPLH SN IS 0037 37.25  
 TRPA SN ESS 0042 46.11  
 LTVH SE ESS 0043 06.34  
 PSZ SE ESS 0043 11.62  
 MORH SN ESS D 0043 13.38  
 TIH SZ ESS 0043 30.98  
 BEHE SN ESS 0043 44.18

**October 15 2013 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 0841 02.40  
 PSZ SN ESg 0841 03.57

**October 15 2013 Hour: 08:36:25.0 Lat: 10.00°N Lon: 124.24°E M: 5.5 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SZ EP 0849 42.06

**October 15 2013 Hour: Lat: Lon: M: Depth:**

## CHAPTER 4. PHASE DATA

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1339 28.35  
PSZ SN ESG 1339 31.17

### October 15 2013 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 1444 41.26  
SOP SZ EPn 1444 47.55  
MPLH SZ EPn 1444 49.96  
TIH SZ EPn 1444 52.23  
BEHE SN Sn 1445 00.27  
MORH SZ EPn 1445 02.41  
CSKK SZ EPn 1445 04.42  
SOP SN Sn 1445 16.20  
MPLH SN Sn 1445 25.16  
TIH SN Sn 1445 29.05  
CSKK SN Sn 1445 35.20

### October 15 2013 Hour: Lat: Lon: M: Depth:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EPg 1855 28.89  
CSKK SZ EPg 1855 31.18  
TIH SN ESG 1855 32.63  
MORH SZ EPn 1855 43.31  
MORH SN Sn 1855 55.37

### October 15 2013 Hour: 19:33:12.0 Lat: 45.64°N Lon: 26.56°E M: 4.7 Depth: 136 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPn D 1934 08.18  
LTVH SZ EPn 1934 14.86  
PSZ SZ EPn 1934 26.73  
MORH SZ EPn D 1934 33.08  
BUD SZ EPn D 1934 33.42  
CSKK SZ EPn 1934 39.33  
TIH SZ EPn 1934 40.84  
MPLH SZ EPn D 1934 44.98  
BEHE SZ EPn D 1934 51.53  
TRPA SN Sn 1934 52.29  
SOP SZ EPn D 1934 54.76  
LTVH SN Sn 1935 03.62  
PSZ SN Sn 1935 30.34  
MORH SN Sn 1935 35.83  
TIH SN Sn 1935 52.31  
MPLH SN Sn D 1935 58.86  
SOP SN Sn 1936 11.75  
BUD SN Sn 1937 30.82

### October 16 2013 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 0245 50.81  
CSKK SN ESG 0245 52.23

### October 16 2013 Hour: 08:49:32.0 Lat: 35.26°N Lon: 49.79°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 0854 51.54  
 PSZ SZ EP D 0855 07.28  
 MORH SZ EP 0855 08.48  
 CSKK SZ EP 0855 15.09  
 SOP SZ EP D 0855 24.03

**October 16 2013 Hour: 10:31:01.0 Lat: 6.45°S Lon: 154.99°E M: 6.8 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP 1049 48.14  
 LTVH SZ EPKiKP 1049 50.97  
 PSZ SZ EPKiKP 1049 52.39  
 BUD SN EPKiKP 1049 54.61  
 MORH SZ EPKiKP 1049 55.14  
 TIH SZ EPKiKP 1049 55.23  
 SOP SZ EPKiKP 1049 55.81  
 CSKK SZ EPKiKP 1049 55.98  
 MPLH SZ EPKiKP 1049 55.98  
 BEHE SZ EPKiKP 1049 56.56  
 TRPA SZ EPP 1051 21.92  
 LTVH SZ EPP 1051 31.00  
 PSZ SZ EPP 1051 35.39  
 MPLH SZ EPP 1051 46.52  
 TIH SZ EPP 1051 47.11  
 MORH SZ EPP 1051 48.28  
 SOP SZ EPP 1051 50.62  
 BEHE SZ EPP 1051 56.48  
 TRPA SZ ESP 1101 23.82  
 LTVH SN ESP 1101 28.36  
 PSZ SN ESP 1101 35.18  
 SOP SE ESP 1101 42.00  
 MPLH SN ESP 1101 44.27  
 MORH SN ESP 1101 46.54  
 BEHE SN ESP 1101 57.33

**October 16 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EP 1106 50.55  
 BEHE SZ EP 1106 50.55  
 MORH SZ EP 1106 51.32  
 TIH SZ EP 1106 52.84  
 SOP SZ EP 1106 52.84  
 CSKK SZ EP 1106 53.61  
 LTVH SZ EP 1106 58.95  
 PSZ SZ EP 1106 59.71  
 TRPA SZ EP 1107 10.39

**October 17 2013 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 1325 05.75  
 CSKK SN ESg 1325 07.27  
 TIH SZ EPg 1325 16.47  
 TIH SN ESg 1325 22.22

**October 17 2013** Hour: 16:54:20.0 Lat: 40.80°N Lon: 143.56°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 EP 1706 14.83  
PSZ SZ EP 1706 22.50

**October 18 2013** Hour: Lat: Lon: M: Depth:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPg 0704 41.92  
CSKK SZ EPg 0704 42.36  
TIH SN ESg 0704 44.86  
MPLH SN ESg 0704 48.09  
CSKK SN ESg 0704 48.31

**October 18 2013** 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 0751 10.67  
MORH SN ESg 0751 16.67

**October 18 2013** Hour: 13:12:25.0 Lat: 25.98°N Lon: 64.24°E M: 4.9 Depth: 2 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1319 53.81  
PSZ SZ EP 1320 09.54  
TRPA SE ES 1325 52.71  
PSZ SN ES 1326 04.79

**October 18 2013** Hour: 13:18:23.0 Lat: 28.34°N Lon: 66.56°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 1325 50.26  
LTVH SZ EP 1325 57.16  
PSZ SZ EP 1326 05.54  
MORH SZ EP 1326 08.71  
BUD SZ EP 1326 09.87  
CSKK SZ EP 1326 13.19  
MPLH SZ EP 1326 15.05  
TIH SZ EP 1326 16.91  
SOP SZ EP 1326 17.66  
BEHE SZ EP 1326 18.22

**October 18 2013** Hour: 15:08:32.0 Lat: 35.61°N Lon: 10.98°E 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 EPn 1511 28.45  
PSZ SZ EPn 1511 49.50  
TRPA SZ EPn 1512 05.79

**October 19 2013** Hour: 10:48:02.0 Lat: 17.63°S Lon: 172.83°W M: 4.6 Depth: 33 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPKiKP 1107 46.14  
MORH SZ EPKiKP 1107 48.36

**October 19 2013** Hour: 15:14:25.0 Lat: 38.25°N Lon: 141.73°E M: 5.1 Depth: 60 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1526 20.17

PSZ	SZ	EP	1526	26.98
TIH	SZ	EP	1526	32.81
SOP	SZ	EP	1526	36.34
MORH	SZ	EP	1526	38.04

**October 19 2013 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 1535 58.69  
 CSKK SN ESG 1535 59.24

**October 19 2013 Hour: 17:54:58.0 Lat: 26.37°N Lon: 110.17°W M: 6.5 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TIH	SZ	EP		1808	18.87												
SOP	SZ	EP		1808	18.87												
BEHE	SZ	EP		1808	19.50												
PSZ	SZ	EP		1808	21.13												
TRPA	SZ	EP		1808	21.28												
MORH	SZ	EP		1808	22.19												
MPLH	SZ	EP		1808	22.94												
LTVH	SZ	EP		1808	23.39												
CSKK	SZ	EP		1808	24.15												

**October 20 2013 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 0421 45.69  
 CSKK SN ESG 0421 48.32

**October 20 2013 Hour: 08:05:40.0 Lat: 9.89°N Lon: 123.80°E 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		0818	53.37												

**October 20 2013 Hour: 19:45:04.0 Lat: 35.81°N Lon: 77.48°E M: 5.5 Depth: 69 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
TRPA	SZ	EP	D	1952	49.37												
LTVH	SZ	EP	C	1952	53.03												
PSZ	SZ	EP	C	1953	03.00												
BUD	SZ	EP	C	1953	08.31												
MORH	SZ	EP	C	1953	11.01												
CSKK	SZ	EP	C	1953	11.38												
TIH	SZ	EP	C	1953	14.10												
MPLH	SZ	EP	C	1953	16.16												
SOP	SZ	EP	C	1953	20.52												
BEHE	SZ	EP	C	1953	20.97												

**October 20 2013 Hour: 23:03:21.0 Lat: 9.85°N Lon: 124.08°E M: 5.2 Depth: 20 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7	
MORH	SZ	EP		2316	37.37												
PSZ	SZ	EP		2316	53.82												

**October 21 2013 Hour: 02:27:16.0 Lat: 35.36°N Lon: 77.06°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		0235	00.94												
LTVH	SZ	EP		0235	07.45												

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PSZ SZ EP	0235 16.76
MORH SZ EP	0235 18.62
BUD SZ EP	0235 20.88
TIH SZ EP	0235 24.67
MPLH SZ EP	0235 24.67
CSKK SZ EP	0235 28.86
SOP SZ EP	0235 33.98
BEHE SZ EP	0235 34.44

**October 21 2013** Hour: 04:01:56.0 Lat: 22.87°S Lon: 174.80°W M: 5.6 Depth: 16 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKiKP 0421 51.04  
PSZ SZ EPKiKP 0421 58.54

**October 21 2013** Hour: 17:21:06.0 Lat: 22.60°S Lon: 169.82°E M: 5.0 Depth: 40 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 1740 38.61  
PSZ SZ EPKiKP C 1740 40.34  
BUD SZ EPKiKP C 1740 40.42  
TIH SZ EPKiKP 1740 42.39  
CSKK SZ EPKiKP 1740 43.79  
MPLH SZ EPKiKP 1740 44.44  
MORH SZ EPKiKP 1740 44.69  
BEHE SZ EPKiKP 1740 47.57

**October 21 2013** Hour: 19:37:03.0 Lat: 35.60°N Lon: 10.93°E M: 4.4 Depth: 10 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1940 01.46  
PSZ SZ EPn 1940 26.50  
TRPA SZ EP 1940 42.58  
TRPA SZ EPn C 1940 43.32

**October 22 2013** Hour: 01:18:48.0 Lat: 37.82°N Lon: 141.93°E M: 5.5 Depth: 37 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0130 52.87  
TIH SZ EP 0130 59.74  
LTVH SZ EP 0131 00.13  
PSZ SZ EP 0131 01.68  
CSKK SZ EP 0131 05.45  
BUD SZ EP 0131 05.91  
MPLH SZ EP 0131 08.16  
MORH SZ EP 0131 10.20  
SOP SZ EP 0131 10.59

**October 22 2013** Hour: 05:40:43.0 Lat: 5.12°N Lon: 95.95°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 D 0552 21.10  
PSZ SZ EP D 0552 30.99  
MORH SZ EP D 0552 34.43  
CSKK SZ EP 0552 36.76  
TIH SZ EP 0552 38.45  
MPLH SZ EP D 0552 39.58  
BEHE SZ EP D 0552 42.78

**October 22 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EPg 0645 11.78  
 MPLH SN ESg 0645 15.93

**October 23 2013 Hour: 08:23:30.0 Lat: 23.12°S Lon: 177.01°W M: 5.8 Depth: 158 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPKiKP 0843 01.26  
 TRPA SZ EPKiKP D 0843 02.91  
 LTVH SZ EPKiKP 0843 04.89  
 PSZ SZ EPKiKP 0843 05.77  
 BUD SZ EPKiKP D 0843 07.86  
 CSKK SZ EPKiKP 0843 07.87  
 MPLH SZ EPKiKP 0843 08.09  
 SOP SZ EPKiKP D 0843 08.97  
 TIH SZ EPKiKP 0843 09.74  
 BEHE SZ EPKiKP D 0843 10.19

**October 23 2013 Hour: 12:24:23.0 Lat: 36.23°N Lon: 34.43°E M: 4.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP 1228 07.17  
 PSZ SZ EP 1228 09.96

**October 23 2013 Hour: 15:38:31.0 Lat: 37.70°N Lon: 21.33°E 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 EPn 1540 37.28  
 MORH SE Sn 1542 11.97

**October 23 2013 Hour: 21:01:40.0 Lat: 3.29°N Lon: 31.34°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 2112 02.12  
 TRPA SZ EP 2112 14.54

**October 24 2013 Hour: 00:25:41.0 Lat: 31.04°S Lon: 178.14°W 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 0045 36.35  
 SOP SZ EP 0045 37.63  
 CSKK SZ EP 0045 37.97  
 PSZ SZ EP 0045 38.10  
 MPLH SZ EP 0045 38.45  
 MORH SZ EP 0045 38.57  
 TIH SZ EP 0045 38.67  
 TRPA SZ EP 0045 50.00

**October 24 2013 Hour: 01:37:36.0 Lat: 51.12°N Lon: 156.77°E M: 5.5 Depth: 150 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0148 53.00  
 PSZ SZ EP 0148 59.91  
 BUD SZ EP 0149 03.68  
 CSKK SZ EP 0149 05.72  
 SOP SZ EP 0149 06.93  
 MORH SZ EP 0149 07.77

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TIH SZ EP	0149 07.92
MPLH SZ EP	0149 08.13

**October 24 2013 Hour: 11:42:43.0 Lat: 42.79°N Lon: 18.67°E M: 3.0 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn	1143 37.42
BEHE SZ EPn	1143 42.66
TIH SZ EPn	1143 46.61
MPLH SZ EPn	1143 51.39
CSKK SZ EPn	1143 52.86
PSZ SZ EPn	1144 00.12
MORH SN Sn	1144 15.09
BEHE SE Sn	1144 28.96
MORH SE ESg	1144 34.31
TIH SN Sn	1144 35.17
MPLH SN Sn	1144 44.96
CSKK SN Sn	1144 45.97
BEHE SE ESg	1144 48.21
TIH SN ESg	1144 58.53
PSZ SN Sn	1144 58.83

**October 24 2013 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 1451 31.50
PSZ SN ESg	1451 34.69

**October 24 2013 Hour: 20:26:04.0 Lat: 42.97°N Lon: 18.76°E M: 3.3 Depth: 7 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn	2026 54.91
BEHE SZ EPn	2027 03.20
TIH SZ EPn	2027 08.49
SOP SZ EPn	2027 08.95
MPLH SZ EPn	2027 10.79
CSKK SZ EPn	2027 12.54
PSZ SZ EPn	2027 18.90
TRPA SZ EPn	2027 29.81
MORH SN Sn	2027 34.21
BEHE SE Sn	2027 47.87
TIH SN Sn	2027 53.79
MPLH SN Sn	2027 59.43
CSKK SN Sn	2028 06.60
PSZ SE Sn	2028 14.62
SOP SN Sn	2028 14.95
TRPA SE Sn	2028 34.04

**October 24 2013 Hour: 20:32:40.0 Lat: 22.59°S Lon: 176.39°W M: 5.8 Depth: 80 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPKiKP	2052 21.91
TRPA SZ EPKiKP C	2052 23.02
LTVH SZ EPKiKP C	2052 25.84
PSZ SZ EPKiKP	2052 27.10
MPLH SZ EPKiKP	2052 27.75
CSKK SZ EPKiKP	2052 27.77

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SOP	SZ	EPKiKP	2052	28.10
TENK	SZ	EPKiKP	2052	28.19
BUD	SZ	EPKiKP	2052	28.56
TIH	SZ	EPKiKP	2052	28.69
BEHE	SZ	EPKiKP	2052	30.11

**October 25 2013 Hour: 03:21:17.0 Lat: 16.67°S Lon: 173.62°W M: 5.2 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
SOP	SZ	EPKiKP		0340 57.30
TIH	SZ	EPKiKP		0340 59.09
TRPA	SZ	EPKiKP		0340 59.29
BEHE	SZ	EPKiKP		0341 03.41
PSZ	SZ	EPKiKP		0341 03.76
TENK	SZ	EPKiKP		0341 04.36
LTVH	SZ	EPKiKP		0341 05.39
CSKK	SZ	EPKiKP		0341 05.59
MPLH	SZ	EPKiKP		0341 06.18
MORH	SZ	EPKiKP		0341 06.70

**October 25 2013 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		0907 16.30
TIH	SZ	EPg		0907 16.40
CSKK	SN	ESg		0907 21.44
TIH	SN	ESg		0907 21.49

**October 25 2013 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		0948 57.38
MORH	SN	ESg		0949 03.80

**October 25 2013 Hour: 17:10:17.0 Lat: 37.22°N Lon: 144.69°E M: 7.1 Depth: 10 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA	SZ	EPKiKP	D	1722 30.08
LTVH	SZ	EPKiKP	D	1722 35.47
PSZ	SZ	EPKiKP		1722 38.02
BUD	SZ	EPKiKP		1722 42.49
CSKK	SZ	EPKiKP		1722 43.13
MPLH	SZ	EPKiKP		1722 45.11
SOP	SZ	EPKiKP		1722 45.26
TIH	SZ	EPKiKP	D	1722 45.40
MORH	SZ	EPKiKP	D	1722 46.53
BEHE	SZ	EPKiKP		1722 50.22
TRPA	SZ	EPP	D	1725 34.63
LTVH	SZ	EPP		1725 44.34
PSZ	SZ	EPP		1725 45.31
BEHE	SZ	EPP		1725 57.28
TIH	SZ	EPP		1725 59.23
MORH	SZ	EPP		1726 00.52
SOP	SZ	EPP	D	1726 00.52
TRPA	SN	ES		1732 38.90
LTVH	SN	ES		1732 50.78
PSZ	SN	ES		1732 55.80

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MORH	SE	ES		1733	09.51
TIH	SZ	ES		1733	10.43
MPLH	SN	ES		1733	11.34
BEHE	SN	ES		1733	16.82
TRPA	SN	ESS	D	1737	55.01
LTVH	SN	ESS		1738	01.47
PSZ	SE	ESS		1738	18.08
TIH	SZ	ESS		1738	33.77
MORH	SE	ESS		1738	34.69
BEHE	SN	ESS		1738	49.45

**October 25 2013 Hour: 17:54:31.0 Lat: 19.48°S Lon: 173.43°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	EPKiKP	D	1814	20.11
LTVH	SZ	EPKiKP		1814	22.67
PSZ	SZ	EPKiKP		1814	22.85
BUD	SZ	EPKiKP		1814	24.59
CSKK	SZ	EPKiKP		1814	24.92
SOP	SZ	EPKiKP		1814	25.81
MPLH	SZ	EPKiKP		1814	26.05
MORH	SZ	EPKiKP		1814	27.06
BEHE	SZ	EPKiKP		1814	27.12

**October 25 2013 Hour: 21:27:35.0 Lat: 37.20°N Lon: 144.71°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	2139	48.62
PSZ	SZ	EP	D	2139	55.45
CSKK	SZ	EP		2140	01.08
TIH	SZ	EP		2140	02.77
MPLH	SZ	EP		2140	03.41
MORH	SZ	EP		2140	03.41
LTVH	SZ	EP		2140	03.57
BEHE	SZ	EP		2140	04.13
SOP	SZ	EP		2140	04.22

**October 25 2013 Hour: 23:08:07.0 Lat: 43.81°N Lon: 15.13°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	EPn		2308	54.59
MORH	SZ	EPn		2308	59.49
TIH	SZ	EPn		2309	05.63
MPLH	SZ	EPn		2309	06.73
SOP	SZ	EPn		2309	07.27
MORH	SZ	EPg		2309	09.06
CSKK	SZ	EPn		2309	12.93
PSZ	SZ	EPn		2309	26.07
BEHE	SN	Sn		2309	30.82
MORH	SN	Sn	D	2309	42.68
TRPA	SZ	EPn		2309	44.32
TIH	SN	Sn	D	2309	45.78
MPLH	SN	Sn		2309	48.88
SOP	SE	Sn		2309	56.00
CSKK	SN	Sn		2310	00.38
PSZ	SN	Sn		2310	22.65

TRPA SN Sn 2310 56.77

**October 26 2013** Hour: 01:06:45.0 Lat: 37.02°N Lon: 144.73°E 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 0119 00.70  
 MORH SZ EP 0119 15.05

**October 26 2013** Hour: 13:17:21.0 Lat: 17.89°S Lon: 178.58°W M: 4.7 Depth: 534 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP 1335 58.83  
 PSZ SZ EPKiKP 1336 02.48  
 BUD SZ EPKiKP C 1336 04.37  
 SOP SZ EPKiKP C 1336 05.92  
 MPLH SZ EPKiKP C 1336 05.92  
 MORH SZ EPKiKP C 1336 06.68

**October 26 2013** 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 1652 27.23  
 CSKK SN ESG 1652 29.68

**October 26 2013** Hour: 17:07:14.0 Lat: 40.21°N Lon: 23.11°E M: 3.6 Depth: 8 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1708 55.30  
 TIH SZ EPn 1709 04.43  
 CSKK SZ EPn 1709 06.09  
 BEHE SZ EPn 1709 06.82  
 TRPA SZ EPn 1709 10.18  
 PSZ SZ EPn 1709 12.12  
 MPLH SZ EPn 1709 12.71  
 MORH SN Sn 1710 10.53  
 BEHE SN Sn 1710 35.47  
 PSZ SE Sn 1710 37.49  
 CSKK SN Sn 1710 41.65  
 MPLH SN Sn 1710 44.50

**October 26 2013** 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 2157 53.91  
 CSKK SN ESG 2157 54.35

**October 27 2013** 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 0922 50.56  
 MORH SN Sn 0922 53.98

**October 27 2013** Hour: 12:06:46.0 Lat: 41.74°N Lon: 20.74°E M: 3.2 Depth: 4 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1207 59.16  
 MORH SN Sn 1208 55.39

**October 27 2013** Hour: 18:13:06.0 Lat: 37.21°N Lon: 144.62°E M: 5.6 Depth: 20 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

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TRPA SZ EP	D 1825 18.18
LTVH SZ EP	1825 23.06
PSZ SZ EP	D 1825 25.05
BUD SZ EP	1825 28.84
CSKK SZ EP	1825 30.23
MPLH SZ EP	1825 32.96
TIH SZ EP	1825 33.29
MORH SZ EP	1825 33.59
SOP SZ EP	1825 33.74

### October 28 2013 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 0440 37.83
CSKK SN ESG 0440 39.61

### October 28 2013 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 0901 43.17
MORH SN ESG 0901 57.84

### October 28 2013 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 1300 58.86
CSKK SN ESG 1301 00.96
TIH SN ESG 1301 06.79

### October 28 2013 Hour: 14:54:26.0 Lat: 76.39°N Lon: 7.43°E M: 5.2 Depth: 2 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EP C 1500 36.30
MPLH SZ EP C 1500 41.63
MORH SZ EP C 1500 50.20

### October 28 2013 Hour: 19:04:11.0 Lat: 26.04°N Lon: 64.31°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 EP 1912 02.15

### October 28 2013 Hour: 20:01:27.0 Lat: 6.34°S Lon: 155.00°E M: 5.1 Depth: 56 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPKIKP 2020 20.02

### October 28 2013 Hour: 20:59:39.0 Lat: 40.47°N Lon: 145.62°E M: 5.0 Depth: 15 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EP 2111 47.53
MPLH SZ EP 2111 55.98
MORH SZ EP 2112 00.31

### October 29 2013 Hour: 01:35:24.0 Lat: 41.73°N Lon: 20.72°E M: 3.0 Depth: 7 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MORH SZ EPn 0136 35.79
MPLH SZ EPn 0136 52.79
PSZ SZ EPn 0136 57.35
SOP SZ EPn 0137 09.35
MORH SN Sn 0137 29.75

MPLH SN Sn 0138 00.94  
 PSZ SN Sn 0138 09.04

**October 29 2013 Hour: 10:37:54.0 Lat: 61.77°S Lon: 154.65°E M: 5.9 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP 1057 47.30  
 MORH SZ EPKiKP 1057 48.34  
 PSZ SZ EPKiKP 1057 48.64  
 MPLH SZ EPKiKP 1057 49.53  
 TIH SZ EPKiKP 1057 50.12  
 LTVH SZ EPKiKP 1057 53.39  
 SOP SZ EPKiKP 1057 53.84  
 CSKK SZ EPKiKP 1057 55.02  
 BEHE SZ EPKiKP 1057 59.09

**October 29 2013 Hour: 11:01:54.0 Lat: 20.04°S Lon: 178.25°W M: 5.2 Depth: 572 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IPKiKP D 1120 33.56  
 PSZ SZ EPKiKP D 1120 36.56  
 BUD SZ IPKiKP D 1120 38.01  
 BSZH HZ IPKiKP 1120 39.23  
 CSKK SZ IPKiKP 1120 39.34  
 SOP SZ IPKiKP D 1120 40.01  
 MPLH SZ EPKiKP D 1120 40.13  
 MORH SZ IPKiKP D 1120 41.01

**October 29 2013 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 1216 42.17  
 CSKK SN ESg 1216 44.81  
 MPLH SZ EPg 1216 50.10  
 MPLH SN ESg 1216 58.91  
 MORH SZ EPn 1217 00.37

**October 29 2013 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 1313 11.26  
 CSKK SN ESg 1313 12.76

**October 29 2013 Hour: 14:44:12.0 Lat: 52.20°N Lon: 168.30°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 1456 20.87  
 PSZ SZ EP 1456 23.63  
 SOP SZ EP 1456 26.61  
 CSKK SZ EP D 1456 27.27  
 MPLH SZ EP D 1456 28.91

**October 29 2013 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 1633 48.35  
 CSKK SN ESg 1633 52.29

**October 29 2013 Hour: 20:17:50.0 Lat: 43.29°N Lon: 130.99°E M: 5.0 Depth: 533 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 2028 03.27  
PSZ SZ EP D 2028 12.25  
BUD SZ EP D 2028 16.27  
CSKK SZ EP 2028 19.36  
MPLH SZ EP D 2028 21.59  
MORH SZ EP 2028 21.60  
SOP SZ EP D 2028 22.87  
BEHE SZ EP 2028 25.90

**October 29 2013 Hour: 22:56:32.0 Lat: 44.98°N Lon: 25.86°E M: 3.3 Depth: 13 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 2257 27.84  
TRPA SZ EPn 2257 31.32  
PSZ SZ EPn C 2257 47.29  
MORH SZ EPn 2257 49.50  
SOP SZ EPn 2258 14.86  
TRPA SN Sn 2258 17.53  
MORH SN Sn 2258 47.56

**October 30 2013 Hour: 02:29:12.0 Lat: 35.36°S Lon: 73.01°W M: 5.8 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPKiKP 0247 49.49  
LTVH SZ EPKiKP 0247 49.49  
MPLH SZ EPKiKP 0247 49.81  
PSZ SZ EPKiKP 0247 51.25  
TIH SZ EPKiKP 0247 54.14  
TRPA SZ EPKiKP 0247 59.48  
MORH SN ESP 0258 41.95  
PSZ SN ESP 0258 47.84  
TRPA SN ESP D 0258 59.61

**October 30 2013 Hour: 02:51:50.0 Lat: 35.32°S Lon: 73.02°W M: 6.3 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EP 0310 24.41  
PSZ SZ EP 0310 30.97  
MORH SZ EP 0310 31.50  
BSZH HZ EP 0310 31.50  
SOP SZ EP 0310 31.59  
MPLH SZ EP 0310 32.20  
TIH SZ EP 0310 32.72  
TRPA SZ EP 0310 37.19  
BEHE SN ESP 0321 07.74  
TIH SZ ESP 0321 11.89  
MORH SN ESP 0321 12.93  
PSZ SN ESP D 0321 23.32  
TRPA SN ESP 0321 28.52

**October 30 2013 Hour: 03:22:04.5 Lat: 37.14°N Lon: 141.21°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 0334 04.91  
TIH SZ EP 0334 07.14  
PSZ SZ EP 0334 11.46

MORH SZ EP	0334 19.28
SOP SZ EP	0334 21.74

**October 30 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MPLH SZ EPg	1051 40.95
MPLH SN ESG	1051 46.37

**October 31 2013 Hour: 03:03:35.0 Lat: 44.64°N Lon: 124.14°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	0314 15.18
LTVH SZ EP	0314 20.62
PSZ SZ EP	C 0314 24.85
BSZH HZ EP	0314 26.30
BUD SZ EP	0314 29.33
CSKK SZ EP	0314 31.98
TIH SZ EP	0314 35.25
MPLH SZ EP	0314 35.85
MORH SZ EP	0314 35.97
SOP SZ EP	C 0314 36.70
BEHE SZ EP	0314 39.60

**October 31 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
MPLH SZ EPg	0750 51.48
MPLH SN ESG	0750 58.49
TIH SN ESG	0751 01.76

**October 31 2013 Hour: 09:02:02.0 Lat: 18.71°S Lon: 65.34°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	0913 53.35
PSZ SZ EP	0913 59.52
MPLH SZ EP	0914 01.62

**October 31 2013 Hour: 12:02:08.0 Lat: 23.57°N Lon: 121.47°E M: 6.3 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TRPA SZ EP	1214 09.55
LTVH SZ EP	1214 13.45
PSZ SZ EP	1214 18.05
BSZH HZ EP	1214 19.03
BUD SZ EP	1214 21.41
CSKK SZ EP	1214 24.61
MPLH SZ EP	1214 24.61
MORH SZ EP	1214 24.61
TIH SZ EP	1214 28.88
SOP SZ EP	1214 30.19
BEHE SZ EP	1214 32.49
TRPA SZ EPP	1217 06.84
MORH SZ EPP	1217 10.36
LTVH SZ EPP	1217 10.36
PSZ SZ EPP	1217 19.53
MPLH SZ EPP	1217 19.53
BSZH HZ EPP	1217 20.94

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BEHE SZ EPP	1217	26.59
TIH SZ EPP	1217	26.59
SOP SZ EPP	1217	36.46
TRPA SZ ES	1224	10.97
LTVH SZ ES	1224	15.44
MPLH SZ ES	1224	19.41
SOP SZ ES	1224	24.88
PSZ SZ ES	1224	24.88
CSKK SZ ES	1224	33.32
MORH SZ ES	1224	36.80
TIH SZ ES	1224	40.78
BEHE SZ ES	1224	47.24
BSZH HZ ES	1224	51.21
TRPA SZ ESS	1233	20.51
LTVH SZ ESS	1233	33.71
MORH SZ ESS	1233	34.49
BSZH HZ ESS	1233	46.13
PSZ SZ ESS	1233	50.01
MPLH SZ ESS	1233	50.79
SOP SZ ESS	1234	06.32
TIH SZ ESS	1234	24.17

**October 31 2013 Hour: 15:01:03.0 Lat: 38.32°N Lon: 142.74°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	1513	05.81
PSZ SZ EP	1513	16.05
MPLH SZ EP	1513	23.19
MORH SZ EP	1513	24.42

**October 31 2013 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	1556	16.03
CSKK SN ESg	1556	18.63

**October 31 2013 Hour: 18:46:22.0 Lat: 46.24°N Lon: 12.49°E M: 3.2 Depth: 6 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
SOP SZ EPn	1847	12.92
BEHE SZ EPg	1847	20.05
MORH SZ EPn	1847	25.85
SOP SN Sn	1847	49.64
BEHE SN ESg	1847	59.92
MPLH SN Sn	1848	02.64
MORH SN Sn	1848	16.51
CSKK SN Sn	1848	17.01

**October 31 2013 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	1937	12.44
MORH SN ESg	1937	19.30
BEHE SZ EPg	1937	29.49
MPLH SZ EPg	1937	33.59
BEHE SN ESg	1937	48.25
PSZ SZ EPn	1937	48.38

MPLH SN ESg	1937	55.13
PSZ SN Sn	1938	17.55

**October 31 2013 Hour: 21:28:07.0 Lat: 49.78°N Lon: 18.57°E M: 3.0 Depth: 5 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
CSKK SZ EPn	2128	47.56
SOP SZ EPn	2128	47.56
PSZ SZ EPg	2128	48.55
TRPA SZ EPn	2128	57.99
MPLH SZ EPn	2128	59.03
MORH SZ EPn	2129	03.09
BEHE SZ EPn	2129	03.12
TRPA SZ EPg	2129	06.58
PSZ SN Sn	2129	12.75
CSKK SN Sn	D	2129 17.93
SOP SN Sn	2129	19.79
BUD SN Sn	2129	20.30
MPLH SN Sn	2129	24.63
TIH SN Sn	2129	31.27
MORH SN Sn	2129	43.95
BEHE SN Sn	2129	45.10

**October 31 2013 Hour: 23:03:57.0 Lat: 30.29°S Lon: 71.57°W M: 6.5 Depth: 10 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
MPLH SZ EPP	C	2323 10.63
MORH SZ EPP	C	2323 11.07
PSZ SZ EPP	2323	20.75
TRPA SZ EPP	2323	30.87
MORH SE EPS	2332	52.22
MPLH SE EPS	2332	59.66
PSZ SE EPS	2333	11.57
TRPA SE EPS	2333	26.45

**November 01 2013 Hour: 03:24:08.0 Lat: 20.76°S Lon: 178.45°W M: 5.1 Depth: 527 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ IPKiKP D	0342	53.20
LTVH SZ IPKiKP D	0342	55.99
PSZ SZ IPKiKP D	0342	56.38
BSZH HZ EPKiKP D	0342	57.59
BUD SZ IPKiKP	0342	57.95
CSKK SZ EPKiKP	0342	58.92
TIH SZ IPKiKP D	0342	59.72
MPLH SZ IPKiKP D	0342	59.91
SOP SZ IPKiKP	0342	59.97
MORH SZ IPKiKP D	0343	00.52
BEHE SZ EPKiKP	0343	01.58
BSZH HE IPKiKP	0343	18.18

**November 01 2013 Hour: 16:30:12.0 Lat: 44.65°N Lon: 148.18°E M: 5.0 Depth: 60 km**

STAT SP IPHASW D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W	DIS CAZ7
TRPA SZ EP	C	1641 52.97
PSZ SZ EP	1642	00.35
BUD SZ EP	1642	04.40

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CSKK SZ EP	1642 06.44
TIH SZ EP	1642 08.60
SOP SZ EP	1642 08.60
MPLH SZ EP	1642 08.60
MORH SZ EP	C 1642 09.59

**November 01 2013** Hour: 22:43:27.0 Lat: 18.54°S Lon: 176.52°W M: 4.9 Depth: 300 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP D 2302 33.95  
LTVH SZ EPKiKP D 2302 36.98  
PSZ SZ EPKiKP D 2302 37.38  
BSZH HZ EPKiKP 2302 39.00  
CSKK SZ EPKiKP C 2302 39.80  
SOP SZ EPKiKP D 2302 40.21  
MPLH SZ EPKiKP 2302 40.61  
TIH SZ EPKiKP D 2302 40.71  
MORH SZ EPKiKP 2302 41.62  
BEHE SZ EPKiKP 2302 43.24

**November 02 2013** Hour: 04:36:13.0 Lat: 47.97°N Lon: 19.45°E M: 1.2 Depth: 10 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ IPg D 0436 35.51  
PSZ SN ESg 0436 40.00

**November 02 2013** Hour: 15:52:47.0 Lat: 23.60°S Lon: 112.63°W M: 6.0 Depth: 10 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EPKiKP 1612 02.06  
BEHE SZ EPKiKP 1612 02.99  
MPLH SZ EPKiKP 1612 03.39  
CSKK SZ EPKiKP 1612 03.92  
BUD SZ EPKiKP 1612 04.66  
MORH SZ EPKiKP 1612 05.67  
PSZ SZ EPKiKP D 1612 06.05  
TIH SZ EPKiKP 1612 06.45  
BSZH HZ EPKiKP 1612 06.45  
LTVH SZ EPKiKP 1612 08.59  
TRPA SZ EPKiKP D 1612 09.39

**November 02 2013** Hour: 16:38:54.0 Lat: 11.73°S Lon: 166.76°E M: 5.1 Depth: 225 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPP 1700 44.44  
PSZ SZ EPP 1700 46.98  
SOP SZ EPP 1700 47.18  
TIH SZ EPP 1700 47.34  
CSKK SZ EPP 1700 52.29  
TRPA SZ EPP 1700 52.32  
LTVH SZ EPP 1700 52.95  
BSZH HZ EPP 1700 57.20  
MORH SZ EPP 1701 02.90  
BEHE SZ EPP 1701 04.27

**November 02 2013** Hour: 18:54:45.0 Lat: 19.21°S Lon: 172.59°W M: 6.2 Depth: 2 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

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BUD SZ EPKiKP 1913 32.42  
 PSZ SZ EPKiKP 1913 32.79  
 LTVH SZ EPKiKP D 1913 32.88  
 CSKK SZ EPKiKP 1913 33.14  
 SOP SZ EPKiKP D 1913 33.55  
 TIH SZ EPKiKP 1913 34.17  
 MPLH SZ EPKiKP D 1913 34.21  
 TRPA SZ EPKiKP D 1913 34.52  
 MORH SZ EPKiKP D 1913 34.86  
 BEHE SZ EPKiKP 1913 34.98  
 BSZH HZ EPKiKP D 1913 38.74

**November 02 2013 Hour: 19:05:59.0 Lat: 19.29°S Lon: 172.58°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 EPKiKP 1925 42.69  
 SOP SZ EPKiKP D 1925 43.60  
 MPLH SZ EPKiKP 1925 43.76  
 TRPA SZ EPKiKP D 1925 44.82  
 MORH SZ EPKiKP D 1925 45.14  
 LTVH SZ EPKiKP D 1925 47.65  
 BSZH HZ EPKiKP 1925 48.32  
 CSKK SZ EPKiKP 1925 48.75  
 BUD SZ EPKiKP D 1925 48.92  
 BEHE SZ EPKiKP 1925 49.92  
 TIH SZ EPKiKP D 1925 50.02

**November 02 2013 Hour: 19:13:34.0 Lat: 19.26°S Lon: 172.60°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 EPKiKP 1933 23.18  
 PSZ SZ EPKiKP 1933 25.56  
 LTVH SZ EPKiKP 1933 26.44  
 TIH SZ EPKiKP 1933 27.32  
 BUD SZ EPKiKP 1933 28.03  
 CSKK SZ EPKiKP 1933 28.28  
 SOP SZ EPKiKP 1933 28.46  
 MPLH SZ EPKiKP 1933 28.55  
 BEHE SZ EPKiKP 1933 30.22  
 MORH SZ EPKiKP 1933 30.57

**November 02 2013 Hour: 22:32:11.0 Lat: 53.55°N Lon: 163.69°W M: 5.0 Depth: 29 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2244 10.39  
 PSZ SZ EP C 2244 12.12  
 SOP SZ EP 2244 13.86  
 LTVH SZ EP 2244 14.85  
 BUD SZ EP C 2244 15.21  
 CSKK SZ EP 2244 15.34  
 BSZH HZ EP C 2244 15.67  
 MPLH SZ EP C 2244 16.66  
 TIH SZ EP C 2244 18.31  
 BEHE SZ EP 2244 19.55  
 MORH SZ EP 2244 20.46

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November 03 2013 Hour: 00:12:35.0 Lat: 49.61°S Lon: 117.31°E M: 5.0 Depth: 1 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 0030 07.40  
PSZ SZ EPKiKP D 0030 14.69  
BSZH HZ EPKiKP 0030 15.57  
BUD SZ EPKiKP D 0030 18.63  
CSKK SZ EPKiKP 0030 20.44  
SOP SZ EPKiKP 0030 22.67  
MPLH SZ EPKiKP D 0030 22.73  
MORH SZ EPKiKP 0030 23.91

November 03 2013 Hour: 01:48:26.0 Lat: 38.81°N Lon: 21.95°E M: 3.6 Depth: 1 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0150 19.77  
BEHE SZ EPn 0150 33.05  
MPLH SZ EPn 0150 35.40  
BUD SZ EPn 0150 36.93  
PSZ SZ EPn 0150 39.71  
MORH SN Sn 0151 49.66  
PSZ SN Sn 0152 28.26

November 03 2013 Hour: 02:42:54.0 Lat: 5.89°S Lon: 148.75°E M: 5.7 Depth: 85 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0311 32.41  
SOP SZ EP 0311 36.56  
MORH SZ EP 0311 37.69  
MPLH SZ EP 0311 37.83  
TIH SZ EP 0311 39.44  
BUD SZ EP 0311 42.37  
LTVH SZ EP 0311 46.55  
TRPA SZ EP 0311 51.27

November 03 2013 Hour: 04:26:52.0 Lat: 44.68°N Lon: 124.16°E M: 4.9 Depth: 2 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0437 33.55  
PSZ SZ EP 0437 42.21  
CSKK SZ EP 0437 50.78  
MORH SZ EP 0437 53.56  
SOP SZ EP 0437 54.18  
MPLH SZ EP 0437 54.80

November 03 2013 Hour: 05:25:14.0 Lat: 35.94°N Lon: 139.96°E M: 5.0 Depth: 65 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP C 0537 13.95  
PSZ SZ EP C 0537 21.38  
CSKK SZ EP 0537 27.82  
MPLH SZ EP 0537 29.97  
MORH SZ EP 0537 30.14  
SOP SZ EP 0537 30.47

November 03 2013 Hour: 07:02:04.0 Lat: 35.56°N Lon: 88.31°E M: 4.6 Depth: 2 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0710 57.84

MORH SZ EP	0711 16.50
SOP SZ EP	0711 29.95

**November 03 2013 Hour: 08:52:55.0 Lat: 38.30°N Lon: 142.67°E M: 5.2 Depth: 27 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP C	0904 56.34
LTVH SZ EP	0905 01.07
CSKK SZ EP	0905 03.87
PSZ SZ EP	0905 03.98
MPLH SZ EP	0905 04.32
MORH SZ EP	0905 12.47
SOP SZ EP	0905 12.64
BEHE SZ EP	0905 12.87

**November 03 2013 Hour: 10:08:56.0 Lat: 19.23°S Lon: 172.59°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 EPKiKP 1028 41.62	
SOP SZ EPKiKP 1028 42.14	
TRPA SZ EPKiKP D 1028 43.62	
MORH SZ EPKiKP 1028 43.73	
MPLH SZ EPKiKP 1028 44.16	
LTVH SZ EPKiKP D 1028 46.39	
CSKK SZ EPKiKP 1028 46.81	
BUD SZ EPKiKP C 1028 48.32	
BSZH HZ EPKiKP 1028 48.51	
TIH SZ EPKiKP D 1028 49.79	
BEHE SZ EPKiKP 1028 51.07	

**November 03 2013 Hour: 11:03:40.0 Lat: 4.68°N Lon: 123.41°E M: 5.9 Depth: 548 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ IP D 1115 58.21	
LTVH SZ IP D 1116 01.16	
PSZ SZ IP D 1116 06.27	
BUD SZ IP D 1116 09.39	
CSKK SZ IP 1116 11.45	
MORH SZ IP D 1116 11.59	
TIH SZ IP D 1116 13.22	
MPLH SZ IP D 1116 14.11	
SOP SZ IP D 1116 15.98	
BEHE SZ IP 1116 17.92	
TRPA SZ EPP 1119 53.72	
PSZ SZ EPP 1120 00.63	
LTVH SZ EPP 1120 02.52	
MPLH SZ EPP 1120 08.81	
TIH SZ EPP 1120 12.26	
BSZH HZ EPP 1120 13.21	
CSKK SZ EPP 1120 13.21	
MORH SZ EPP 1120 20.12	

**November 03 2013 Hour: 11:27:51.0 Lat: 36.08°N Lon: 25.07°E M: 3.2 Depth: 4 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPn 1130 52.25	
SOP SZ EPn 1130 58.99	

November 03 2013 Hour: 12:16:55.0 Lat: 26.12°N Lon: 128.44°E M: 5.2 Depth: 10 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1229 09.06  
PSZ SZ EP 1229 17.73  
MORH SZ EP 1229 24.57  
CSKK SZ EP 1229 24.57  
SOP SZ EP 1229 26.40  
MPLH SZ EP 1229 26.57  
BEHE SZ EP 1229 42.40

November 03 2013 Hour: 17:10:24.0 Lat: 18.65°S Lon: 175.36°W M: 5.2 Depth: 221 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP D 1729 42.16  
MORH SZ EPKiKP D 1729 43.35  
LTVH SZ EPKiKP D 1729 44.92  
PSZ SZ EPKiKP D 1729 45.21  
CSKK SZ EPKiKP 1729 46.18  
BSZH HZ EPKiKP 1729 47.08  
TIH SZ EPKiKP 1729 47.60  
SOP SZ EPKiKP D 1729 48.05  
MPLH SZ EPKiKP D 1729 48.82  
BEHE SZ EPKiKP 1729 50.43  
BUD SZ EPKiKP D 1729 50.77

November 04 2013 Hour: 00:31:45.0 Lat: 43.02°N Lon: 17.44°E M: 2.7 Depth: 2 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0032 36.33  
BEHE SZ EPn 0032 38.02  
TIH SZ EPn 0032 41.86  
MPLH SZ EPn 0032 47.07  
CSKK SZ EPn 0032 52.22  
PSZ SZ EPn 0033 03.06  
MORH SN Sn 0033 16.98  
BEHE SE Sn 0033 21.87  
BEHE SE E 0033 21.87  
TIH SN Sn 0033 33.14  
MPLH SN Sn 0033 38.16  
CSKK SN Sn 0033 43.87  
PSZ SN Sn 0034 02.01

November 04 2013 Hour: 02:16:03.0 Lat: 44.05°N Lon: 19.32°E M: 3.0 Depth: 1 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0216 41.79  
BEHE SZ EPn 0216 49.25  
TIH SZ EPn 0216 50.69  
MPLH SZ EPn 0216 55.86  
CSKK SZ EPn 0216 57.87  
BSZH HZ EPn 0217 00.63  
PSZ SZ EPn 0217 01.31  
SOP SZ EPn 0217 04.18  
MORH SN Sn 0217 13.66  
LTVH SZ EPn 0217 15.55

TIH	SN	Sn	0217	31.17
BEHE	SE	Sn	0217	37.20
MPLH	SN	Sn	0217	41.80
PSZ	SN	Sn	0217	44.80
CSKK	SN	Sn	0217	44.96
BSZH	HN	Sn	0217	48.43
SOP	SN	Sn	0217	55.58

**November 04 2013 Hour: 05:56:36.0 Lat: 40.16°N Lon: 21.61°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 0558 09.59  
 PSZ SZ EPn 0558 31.74  
 MORH SN Sn 0559 18.76  
 PSZ SN Sn 0600 00.06

**November 04 2013 Hour: 08:04:37.0 Lat: 39.66°N Lon: 75.55°E M: 5.5 Depth: 30 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EP D 0812 20.58

**November 04 2013 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EPg 0913 24.75  
 MPLH SN ESg 0913 26.77

**November 04 2013 Hour: Lat: Lon: M: Depth:**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EPg 0922 05.87  
 MPLH SN ESg 0922 08.01

**November 04 2013 Hour: 12:56:22.0 Lat: 14.21°N Lon: 93.16°E M: 4.8 Depth: 40 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EP C 1307 29.91

**November 04 2013 Hour: 20:28:06.0 Lat: 40.15°N Lon: 21.57°E M: 3.2 Depth: 8 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2029 41.00  
 MORH SN Sn 2030 48.82

**November 04 2013 Hour: 22:09:17.0 Lat: 38.91°N Lon: 23.09°E M: 4.1 Depth: 23 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 2211 14.76  
 TIH SZ EPn 2211 25.92  
 MPLH SZ EPn 2211 32.69

**November 04 2013 Hour: 23:29:13.0 Lat: 42.03°N Lon: 19.23°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 2330 17.01  
 MORH SN Sn 2331 09.09

**November 05 2013 Hour: 02:19:32.0 Lat: 37.89°N Lon: 47.43°E M: 4.2 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0224 11.31  
 CSKK SZ EP 0224 41.30

November 05 2013 Hour: 04:03:44.0 Lat: 34.86°N Lon: 45.40°E M: 4.4 Depth: 10 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0408 43.29  
MPLH SZ EP 0408 53.77

November 05 2013 Hour: 04:18:29.0 Lat: 30.37°N Lon: 140.40°E M: 5.0 Depth: 135 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EP 0430 57.42  
MPLH SZ EP 0431 00.05

November 05 2013 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 D 1106 14.84  
PSZ SN ESG 1106 17.68

November 05 2013 Hour: 17:11:57.0 Lat: 51.20°N Lon: 15.93°E M: 3.2 Depth: 8 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPn 1712 58.49  
PSZ SE Sn 1713 52.78

November 05 2013 Hour: 18:17:00.0 Lat: 15.29°S Lon: 174.90°W M: 5.0 Depth: 287 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SN EPKiKP C 1836 01.24  
TRPA SZ EPKiKP D 1836 01.30  
LTVH SZ EPKiKP D 1836 04.47  
PSZ SZ EPKiKP 1836 04.90  
BUD SZ EPKiKP D 1836 06.81  
CSKK SZ EPKiKP 1836 06.89  
SOP SZ EPKiKP D 1836 08.11  
TIH SZ EPKiKP D 1836 08.51  
MPLH SZ EPKiKP D 1836 08.78  
MORH SZ EPKiKP D 1836 09.75

November 05 2013 Hour: 20:47:08.0 Lat: 1.90°N Lon: 89.73°E M: 5.2 Depth: 17 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 2058 40.59  
LTVH SZ EP 2058 47.83  
PSZ SZ EP 2058 50.09  
MORH SZ EP 2058 52.27  
TIH SZ EP 2058 56.31  
SOP SZ EP 2059 02.10  
CSKK SZ EP 2059 03.95  
MPLH SZ EP 2059 07.25

November 05 2013 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 2349 55.18  
CSKK SN ESG 2349 57.04

November 06 2013 Hour: 01:13:28.0 Lat: 26.60°N Lon: 128.97°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 0125 42.48

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PSZ	SZ	EP	0125	50.91
SOP	SZ	EP	0125	54.33
TIH	SZ	EP	0125	56.95
LTVH	SZ	EP	0125	57.19
CSKK	SZ	EP	0125	58.62
MORH	SZ	EP	0125	59.76
MPLH	SZ	EP	0126	00.76

**November 06 2013 Hour: 01:35:28.0 Lat: 49.82°N Lon: 18.54°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	0136	04.18
CSKK	SZ	EPn	0136	08.55
SOP	SZ	EPn	0136	09.60
MPLH	SZ	EPn	0136	14.36
LTVH	SZ	EPn	0136	14.36
TRPA	SZ	EPn	0136	17.27
MORH	SZ	EPn	0136	25.07
PSZ	SN	Sn	0136	32.74
CSKK	SN	Sn	0136	39.35
SOP	SN	Sn	0136	42.52
MPLH	SN	Sn	0136	45.70
MORH	SN	Sn	0137	06.58
BEHE	SN	Sn	0137	07.79
TRPA	SN	ESg	0137	10.81

**November 06 2013 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	0401	47.47
TRPA	SZ	EPn	0401	53.54
CSKK	SZ	EPn	0401	57.02
TRPA	SZ	EPg	0402	02.79
MPLH	SZ	EPn	0402	02.89
MORH	SZ	EPn	0402	03.13

**November 06 2013 Hour: 04:16:17.0 Lat: 26.43°N Lon: 93.67°E M: 5.4 Depth: 40 km**

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

TRPA	SZ	EP	0426	09.12
PSZ	SZ	EP	0426	21.74
BUD	SZ	EP	D 0426	26.35
LTVH	SZ	EP	0426	27.16
MORH	SZ	EP	0426	28.65
CSKK	SZ	EP	0426	29.65
TIH	SZ	EP	0426	32.07
MPLH	SZ	EP	0426	32.90
SOP	SZ	EP	D 0426	37.29

**November 06 2013 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	0920	42.85
MPLH	SZ	EP	0920	45.84
MORH	SZ	EP	0920	47.94

**November 06 2013 Hour: 17:46:41.0 Lat: 49.84°N Lon: 18.44°E M: 2.6 Depth: 2 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPn 1747 22.42  
PSZ SZ EPg 1747 23.16  
MPLH SZ EPn 1747 26.22  
CSKK SZ EPg 1747 28.04  
LTVH SZ EP 1747 31.76  
MPLH SZ EPg 1747 34.11  
TRPA SZ EPn 1747 34.35  
MORH SZ EPn 1747 38.44  
TRPA SZ EPg D 1747 43.64  
PSZ SE Sn 1747 44.36  
CSKK SN Sn 1747 54.74  
MPLH SN Sn D 1747 59.73  
MORH SE Sn 1748 19.22

November 06 2013 Hour: 22:57:05.0 Lat: 50.29°N Lon: 18.75°E M: 2.9 Depth: 2 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPn 2257 50.12  
MORH SZ EPn 2258 06.96  
PSZ SN Sn 2258 22.27  
MORH SE Sn 2258 50.74

November 07 2013 Hour: 11:25:00.0 Lat: 47.74°N Lon: 20.07°E M: Depth: 0 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1128 11.34  
PSZ SZ E 1128 11.43  
PSZ SZ E 1128 11.58  
PSZ SN ESg 1128 14.32  
PSZ SN E 1128 15.45  
PSZ SN E C 1128 23.93

November 07 2013 Hour: 16:46:35.0 Lat: 22.28°S Lon: 171.62°E M: 5.7 Depth: 102 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPKiKP C 1706 02.10  
LTVH SZ EPKiKP C 1706 02.50  
CSKK SZ EPKiKP C 1706 07.03  
MORH SZ EPKiKP C 1706 07.87  
TIH SZ EPKiKP C 1706 08.25  
MPLH SZ EPKiKP C 1706 08.73  
BEHE SZ EPKiKP C 1706 10.81

November 08 2013 Hour: 02:22:38.8 Lat: 67.06°N Lon: 89.85°E 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 EPKiKP 0230 09.20  
TIH SZ EPKiKP 0230 11.92  
LTVH SZ EPKiKP 0230 12.29  
PSZ SZ EPKiKP 0230 12.83  
CSKK SZ EPKiKP 0230 14.74  
BUD SZ EPKiKP 0230 15.19  
MPLH SZ EPKiKP 0230 15.65  
BEHE SZ EPKiKP 0230 16.10  
MORH SZ EPKiKP 0230 16.83

**November 08 2013 Hour: 09:51:00.0 Lat: 1.26°S Lon: 67.68°E M: 5.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1001 30.53  
 MORH SZ EP 1001 32.29  
 CSKK SZ EP 1001 40.40  
 LTVH SZ EP 1001 40.72  
 MPLH SZ EP 1001 44.58

**November 08 2013 Hour: 10:12:35.0 Lat: 37.74°N Lon: 47.29°E M: 4.4 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1017 16.07  
 MORH SZ EP 1017 39.10  
 MPLH SZ EP 1017 41.94  
 TIH SZ EP 1017 44.39

**November 08 2013 Hour: 12:47:34.0 Lat: 42.85°N Lon: 17.88°E M: 3.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1248 28.19  
 BEHE SZ EPn 1248 31.94  
 TIH SZ EPn 1248 37.64  
 MPLH SZ EPn 1248 41.82  
 SOP SZ EPn 1248 44.64  
 CSKK SZ EPn 1248 45.07  
 PSZ SZ EPn 1248 50.48  
 MORH SE Sn 1249 10.08  
 BEHE SN Sn 1249 20.45  
 CSKK SE Sn 1249 35.44

**November 09 2013 Hour: 02:18:05.0 Lat: 72.65°N Lon: 2.12°E M: 4.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 0223 38.69  
 PSZ SZ EP 0223 40.47  
 TRPA SZ EP 0223 41.94  
 MPLH SZ EP 0223 43.69  
 CSKK SZ EP 0223 43.69  
 LTVH SZ EP 0223 48.47  
 MORH SZ EP 0223 53.29

**November 09 2013 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 1600 36.12

**November 09 2013 Hour: 21:21:04.0 Lat: 38.30°N Lon: 44.92°E M: 4.5 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2125 26.73  
 TIH SZ EP 2125 36.19  
 PSZ SZ EP 2125 43.27  
 MORH SZ EP 2125 46.87  
 SOP SZ EP 2125 58.76

**November 09 2013 Hour: 22:37:51.0 Lat: 35.95°N Lon: 140.03°E M: 5.6 Depth: 69 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 2249 50.23

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LTVH SZ EP	2249	55.21
PSZ SZ EP	C 2249	57.79
BUD SZ EP	C 2250	01.80
BEHE SZ EP	2250	02.08
CSKK SZ EP	2250	03.63
MORH SZ EP	C 2250	05.86
MPLH SZ EP	C 2250	06.03
TIH SZ EP	C 2250	06.21
SOP SZ EP	C 2250	06.72

**November 10 2013 Hour: 03:35:41.0 Lat: 52.40°N Lon: 168.60°W M: 4.8 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EPKiKP	0347	47.41
PSZ SZ EPKiKP	0347	50.58
SOP SZ EPKiKP	0347	51.51
LTVH SZ EPKiKP	0347	52.83
BUD SZ EPKiKP	0347	52.94
CSKK SZ EPKiKP	0347	53.19
MPLH SZ EPKiKP D	0347	55.31
MORH SZ EPKiKP	0347	55.52
TIH SZ EPKiKP	0347	56.63
BEHE SZ EPKiKP	0347	58.80

**November 10 2013 Hour: 05:15:09.0 Lat: 38.41°N Lon: 69.03°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	0521	59.71
LTVH SZ EP	0522	06.66
PSZ SZ EP	0522	15.44
BUD SZ EP	0522	16.08
MORH SZ EP	0522	20.54
TIH SZ EP	0522	23.49
MPLH SZ EP	0522	24.95
CSKK SZ EP	0522	25.09
BEHE SZ EP	0522	31.58
SOP SZ EP	0522	34.25

**November 10 2013 Hour: 14:50:43.0 Lat: 40.94°N Lon: 21.27°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	1452	05.80
PSZ SZ EPn	1452	26.13
MORH SE Sn	1453	07.05
PSZ SN Sn	1453	48.51

**November 10 2013 Hour: 20:35:28.0 Lat: 43.28°N Lon: 19.14°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	2036	15.00
TIH SZ EPn	2036	26.40
BEHE SZ EPn	2036	27.06
MPLH SZ EPn	2036	30.57
CSKK SZ EPn	2036	31.88
BUD SZ EPn	2036	33.08
PSZ SZ EPn	2036	39.12
SOP SZ EPn	2036	42.41

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TRPA SZ EPn	2036	49.86
TIH SN Sn	2037	15.51
MPLH SN Sn	2037	18.80
CSKK SN Sn	2037	20.99
PSZ SN Sn	2037	29.76
LTVH SN Sn	2037	31.95
SOP SN Sn	2037	34.37
TRPA SE Sn	2037	49.79

**November 12 2013 Hour: 04:57:22.0 Lat: 32.33°N Lon: 40.96°W M: 4.7 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EP 0505 42.15  
 MORH SZ EP 0505 47.27

**November 12 2013 Hour: 07:03:51.0 Lat: 54.81°N Lon: 162.09°E M: 6.4 Depth: 50 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ IP C 0715 10.22  
 PSZ SZ IP C 0715 15.36  
 LTVH SZ IP C 0715 15.90  
 BSZH HZ IP C 0715 18.88  
 BUD SZ IP D 0715 20.30  
 CSKK SZ IP 0715 20.77  
 SOP SZ IP C 0715 22.13  
 TIH SZ IP C 0715 24.02  
 MPLH SZ IP C 0715 24.02  
 MORH SZ IP C 0715 25.65  
 PSZ SZ ES 0724 41.13  
 BSZH HZ ES 0724 47.58  
 TRPA SZ ES 0724 47.58  
 LTVH SZ ES 0724 47.58  
 MPLH SZ ES 0724 50.80  
 TIH SZ ES 0724 51.87  
 SOP SZ ES 0724 51.87  
 CSKK SZ ES 0724 54.02  
 MORH SZ ES 0725 01.54  
 TRPA SZ ESS 0729 22.51  
 PSZ SZ ESS 0729 27.88  
 SOP SZ ESS 0729 32.17  
 LTVH SZ ESS 0729 32.17  
 MPLH SZ ESS 0729 45.06  
 TIH SZ ESS 0729 47.21  
 MORH SZ ESS 0729 53.65

**November 12 2013 Hour: 09:59:18.0 Lat: 31.75°N Lon: 40.59°W M: 5.0 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EP 1007 38.56  
 CSKK SZ EP 1007 47.41  
 MORH SZ EP 1007 50.66  
 TRPA SZ EP 1008 11.71

**November 12 2013 Hour: 10:41:05.0 Lat: 31.81°N Lon: 40.54°W M: 5.3 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EP 1049 27.88

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TIH SZ EP	1049 30.56
MPLH SZ EP	1049 30.99
CSKK SZ EP	1049 31.95
MORH SZ EP	1049 37.20

**November 12 2013 Hour: 11:36:04.0 Lat: 41.68°N Lon: 139.40°E M: 4.8 Depth: 193 km**

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

TRPA SZ EP	C 1147 22.12
PSZ SZ EP	1147 29.90
CSKK SZ EP	1147 36.43
MPLH SZ EP	1147 38.47
MORH SZ EP	1147 38.81
TIH SZ EP	1147 39.03
SOP SZ EP	1147 40.03
LTVH SZ EP	1147 43.93

**November 12 2013 Hour: 16:00:15.0 Lat: 34.60°N Lon: 38.14°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	1608 06.41
MPLH SZ EP	1608 10.65
LTVH SZ EP	1608 11.31
CSKK SZ EP	1608 12.26
TIH SZ EP	1608 12.50
BSZH HZ EP	1608 12.92
BUD SZ EP	1608 20.23
PSZ SZ EP	1608 25.17
TRPA SZ EP	1608 36.72

**November 12 2013 Hour: 16:30:28.0 Lat: 37.68°N Lon: 68.19°E 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 EP	1637 15.46
PSZ SZ EP	1637 30.96

**November 12 2013 Hour: 18:09:28.0 Lat: 38.92°N Lon: 23.10°E M: 4.9 Depth: 2 km**

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

LTVH SZ EPn	1811 32.74
TIH SZ EPn	1811 33.97
PSZ SZ EPn	1811 42.55
CSKK SZ EPn	1811 43.16
TRPA SZ EPn	1811 44.39
MPLH SZ EPn	1811 44.39
BSZH HZ EPn	1811 48.68
SOP SZ EPn	1812 04.00
LTVH SN Sn	1813 04.79
TIH SN Sn	1813 11.77
MPLH SE Sn	1813 22.04
CSKK SN Sn	1813 26.08

**November 13 2013 Hour: 02:25:43.0 Lat: 54.95°N Lon: 162.02°E M: 5.1 Depth: 32 km**

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

TRPA SZ EP	0237 03.18
PSZ SZ EP	0237 09.14
BUD SZ EP	0237 12.59

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CSKK SZ EP	0237 14.06
SOP SZ EP	0237 14.65
MPLH SZ EP	0237 16.38
TIH SZ EP	0237 17.04

**November 13 2013 Hour: 03:57:42.0 Lat: 51.55°N Lon: 178.91°W M: 5.8 Depth: 30 km**

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

TRPA SZ EP	0409 43.89
PSZ SZ EP	0409 48.55
BUD SZ EP	0409 49.24
CSKK SZ EP	0409 51.63
LTVH SZ EP	0409 51.65
SOP SZ EP	0409 52.16
MPLH SZ EP	0409 52.36
TIH SZ EP	0409 53.06

**November 13 2013 Hour: 19:21:03.0 Lat: 45.25°N Lon: 148.26°E M: 4.8 Depth: 144 km**

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

BUD SZ EP	1932 29.49
TRPA SZ EP	1932 32.22
PSZ SZ EP	1932 39.85
TIH SZ EP	1932 45.72
SOP SZ EP	1932 47.54
MPLH SZ EP	1932 48.36

**November 13 2013 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	2356 44.59
CSKK SN ESG	2356 47.62
MPLH SZ EPg	2356 48.74
MPLH SE ESG	2356 54.33

**November 14 2013 Hour: 23:24:22.1 Lat: 39.09°N Lon: 21.45°E M: 3.7 Depth: 54 km**

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

PSZ SZ EPn	2326 31.17
PSZ SN Sn	2328 06.53

**November 15 2013 Hour: 02:00:35.0 Lat: 41.51°N Lon: 142.15°E M: 5.5 Depth: 52 km**

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

TRPA SZ EP	0212 17.63
PSZ SZ EP	0212 24.17
LTVH SZ EP	0212 29.03
BUD SZ EP	0212 29.70
CSKK SZ EP	0212 30.55
BSZH HZ EP	0212 31.92
MPLH SZ EP	0212 33.59
SOP SZ EP	0212 34.50
TIH SZ EP	0212 34.96

**November 15 2013 Hour: 03:35:14.0 Lat: 51.65°N Lon: 178.97°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	0347 15.83
TRPA SZ EP	C 0347 18.04

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SOP SZ EP 0347 25.13  
MPLH SZ EP 0347 26.06

**November 15 2013 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 0733 33.35  
CSKK SN ESG 0733 35.46

**November 15 2013 Hour: 10:42:39.0 Lat: 29.88°N Lon: 67.54°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 1050 20.36  
MPLH SZ EP 1050 32.42

**November 15 2013 Hour: 15:43:09.0 Lat: 5.41°N Lon: 94.45°E M: 5.0 Depth: 54 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP D 1554 38.84  
PSZ SZ EP 1554 48.57  
MPLH SZ EP 1554 57.67  
SOP SZ EP 1555 01.75

**November 16 2013 Hour: 03:34:34.0 Lat: 60.28°S Lon: 47.19°W M: 6.9 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
SOP SZ EP 0353 23.05  
TIH SZ EP 0353 24.40  
BUD SZ EP 0353 27.37  
PSZ SZ EP 0353 27.76  
TRPA SZ EP 0353 27.99  
MPLH SZ EP 0353 28.44  
CSKK SZ EP 0353 30.46  
LTVH SZ EP 0353 31.80  
BSZH HZ EP 0353 33.60  
TIH SZ EPP 0354 48.64  
MPLH SZ EPP 0354 48.91  
SOP SZ EPP 0354 49.44  
LTVH SZ EPP 0354 51.57  
TRPA SZ EPP 0354 52.90  
PSZ SZ EPP 0354 54.76  
BSZH HZ EPP 0354 55.56  
TIH SZ ES 0404 36.31  
SOP SZ ES 0404 36.31  
MPLH SZ ES 0404 37.61  
LTVH SZ ES 0404 42.15  
PSZ SZ ES 0404 43.45  
CSKK SZ ES 0404 48.64  
BSZH HZ ES 0404 59.02  
TRPA SZ ES 0405 00.32  
SOP SZ ESS 0411 14.37  
TIH SZ ESS 0411 21.91  
LTVH SZ ESS 0411 29.45  
BSZH HZ ESS 0411 29.45  
PSZ SZ ESS 0411 30.96  
MPLH SZ ESS 0411 30.96

**November 16 2013 Hour: 05:54:38.0 Lat: 39.38°N Lon: 142.06°E M: 5.0 Depth: 55 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0606 29.21  
 PSZ SZ EP 0606 35.82  
 SOP SZ EP 0606 44.04  
 MPLH SZ EP 0606 44.48  
 CSKK SZ EP 0606 45.67

**November 16 2013 Hour: 07:42:34.0 Lat: 42.84°N Lon: 20.99°E M: 3.0 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EPn 0743 49.58  
 PSZ SZ EPn 0743 52.09  
 CSKK SE Sn 0744 45.81  
 MPLH SN Sn 0744 47.64  
 PSZ SN Sn 0744 50.00

**November 16 2013 Hour: 10:26:44.0 Lat: 4.29°N Lon: 90.07°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 1038 05.47  
 PSZ SZ EP 1038 17.57  
 MPLH SZ EP 1038 24.44

**November 16 2013 Hour: 11:44:41.0 Lat: 35.55°N Lon: 140.20°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 1156 43.98  
 PSZ SZ EP C 1156 52.04  
 BUD SZ EP C 1156 55.78  
 MPLH SZ EP C 1156 59.76  
 TIH SZ EP 1156 59.99  
 SOP SZ EP C 1157 00.66

**November 17 2013 Hour: 08:14:14.0 Lat: 42.89°N Lon: 21.03°E M: 3.9 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn 0815 24.61  
 MPLH SZ EPn 0815 28.57  
 PSZ SZ EPn 0815 30.54  
 CSKK SZ EPn 0815 31.86  
 SOP SZ EPn 0815 32.30  
 TIH SN Sn 0816 19.08  
 BUD SN Sn 0816 24.34  
 CSKK SN Sn 0816 26.99  
 MPLH SN Sn 0816 27.86  
 PSZ SN Sn 0816 28.96  
 SOP SN Sn 0816 45.22

**November 17 2013 Hour: 09:04:55.0 Lat: 60.36°S Lon: 46.43°W M: 7.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BSZH HZ EPKiKP 0923 38.28  
 CSKK SZ EPKiKP 0923 42.89  
 BUD SZ EPKiKP 0923 45.51  
 LTVH SZ EPKiKP 0923 45.81  
 PSZ SZ EPKiKP 0923 48.98  
 SOP SZ EPKiKP 0923 49.52

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TIH SZ EPKiKP	0923	50.07
MPLH SZ EPKiKP	0923	50.96
TIH SZ EPP	0925	03.70
SOP SN EPP	0925	06.52
CSKK SN EPP	0925	14.04
PSZ SN EPP	0925	14.98
LTVH SN EPP	0925	15.45
MPLH SN EPP	0925	19.21
BSZH HN EPP	0925	22.03
TIH SN ES	0934	53.01
CSKK SZ ES	0935	02.70
SOP SZ ES	0935	06.43
LTVH SZ ES	0935	08.67
PSZ SZ ES	0935	11.65
BSZH HZ ES	0935	13.14
MPLH SZ ES	0935	18.36
CSKK SN ESS	0941	28.05
TIH SN ESS	0941	35.95
LTVH SN ESS	0941	39.91
SOP SN ESS	0941	43.86
MPLH SN ESS	0941	47.82
PSZ SN ESS	0941	55.73
BSZH HN ESS	0941	57.70

**November 17 2013 Hour: 12:11:37.0 Lat: 60.50°S Lon: 44.53°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 EPKiKP	1230	21.61
TIH SZ EPKiKP	1230	22.09
MPLH SZ EPKiKP	1230	22.81
LTVH SZ EPKiKP D	1230	22.81
PSZ SZ EPKiKP	1230	24.59
BUD SZ EPKiKP	1230	24.80
TRPA SZ EPKiKP	1230	27.33

**November 17 2013 Hour: 17:37:14.0 Lat: 10.30°S Lon: 11.87°W M: 5.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7			
TIH SZ EP	1747	41.17	
MPLH SZ EP	C	1747	41.72
SOP SZ EP	1747	41.96	
CSKK SZ EP	1747	43.84	
BUD SZ EP	D	1747	47.06
BSZH HZ EP	D	1747	49.76
PSZ SZ EP	C	1747	50.91
LTVH SZ EP	1747	53.89	
TRPA SZ EP	1747	58.44	

**November 18 2013 Hour: 07:58:41.0 Lat: 43.66°N Lon: 16.86°E M: 4.8 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7			
TIH SZ EPn	0759	34.04	
CSKK SZ EPn	C	0759	41.42
SOP SZ EPn	0759	43.90	
BUD SZ EPn	0759	45.04	
BSZH HZ EPn	0759	50.35	

PSZ	SZ	EPn	0759	53.24
TRPA	SZ	EPn	0800	11.04
LTVH	SZ	EPn	0800	14.47
TIH	SN	ESg	0800	22.87
CSKK	SN	ESg	0800	26.57
SOP	SE	Sn	0800	30.24
TRPA	SZ	EPg	0800	31.77
BUD	SN	ESn	0800	35.03
BSZH	HN	Sn	0800	40.26
PSZ	SN	ESg	0800	45.40
LTVH	SE	Sn	0800	56.61
TRPA	SN	Sn	0801	14.99
LTVH	SN	Sn	0801	34.82

**November 18 2013 Hour: 13:15:03.0 Lat: 42.89°N Lon: 21.00°E M: 4.4 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
LTVH	SZ	EPn	1316	12.65
TIH	SZ	EPn	1316	13.26
BUD	SZ	EPn	1316	16.34
CSKK	SZ	EPn	1316	16.56
MPLH	SZ	EPn	1316	18.58
PSZ	SZ	EPn	1316	19.86
BSZH	HZ	EPn	1316	20.96
TRPA	SZ	EPn	1316	27.02
SOP	SZ	EPn	1316	29.96
LTVH	SN	Sn	1317	03.91
TIH	SN	Sn	1317	09.23
BUD	SN	Sn	1317	13.84
MPLH	SN	Sn	1317	15.47
CSKK	SN	Sn	1317	16.39
PSZ	SN	Sn	1317	17.12
TRPA	SN	Sn	1317	24.46
BSZH	HE	Sn	1317	27.22
SOP	SN	Sn	1317	34.74

**November 18 2013 Hour: 13:42:46.1 Lat: 42.91°N Lon: 21.00°E M: 3.5 Depth: 2 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
TIH	SZ	EPn	1343	56.28
BUD	SZ	EPn	1343	58.27
MPLH	SZ	EPn	1344	00.26
CSKK	SZ	EPn	1344	01.03
PSZ	SZ	EPn	1344	02.42
SOP	SZ	EPn	1344	16.70
TIH	SN	Sn	1344	51.28
BUD	SN	Sn	1344	56.04
CSKK	SN	Sn	1344	57.52
PSZ	SN	Sn	1344	57.83
MPLH	SN	Sn	1344	58.67
SOP	SN	Sn	1345	18.46
TRPA	SN	Sn	1345	24.03

**November 18 2013 Hour: 19:10:45.0 Lat: 43.44°N Lon: 137.06°E M: 5.7 Depth: 332 km**

STAT	SP	IPHASW	D	HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
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TRPA SZ IP	C 1922 15.32
LTVH SZ IP	C 1922 19.52
PSZ SZ IP	C 1922 23.39
BSZH HZ IP	C 1922 24.53
BUD SZ IP	C 1922 27.28
CSKK SZ IP	1922 28.85
MPLH SZ IP	C 1922 30.89
TIH SZ IP	C 1922 31.12
SOP SZ IP	C 1922 32.60

**November 18 2013 Hour: 22:23:28.0 Lat: 30.49°S Lon: 179.32°W M: 5.0 Depth: 340 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	D 2243 09.08
PSZ SZ EP	2243 16.29
BSZH HZ EP	2243 18.82
BUD SZ EP	C 2243 19.55
CSKK SZ EP	2243 21.22
TIH SZ EP	2243 22.82
MPLH SZ EP	2243 22.96
SOP SZ EP	D 2243 23.36
LTVH SZ EP	2243 24.56

**November 19 2013 Hour: 13:32:55.0 Lat: 2.71°N Lon: 128.43°E M: 6.1 Depth: 66 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TIH SZ EP	1350 15.68
CSKK SZ EP	1350 24.14
SOP SZ EP	1350 31.72
PSZ SZ EP	1350 32.35
MPLH SZ EP	1350 39.23

**November 19 2013 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	1402 24.03
CSKK SN ESG	1402 27.77

**November 19 2013 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	1402 23.86
CSKK SN ESG	1402 27.88

**November 19 2013 Hour: 17:00:43.0 Lat: 18.56°N Lon: 145.23°E M: 6.0 Depth: 498 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
PSZ SZ EPcP	1713 22.50
BUD SZ EPcP	1713 27.07
MPLH SZ EPcP	1713 30.89
BSZH HZ EPcP	1713 36.56
CSKK SZ EPcP	1713 38.54

**November 20 2013 Hour: 04:31:32.0 Lat: 42.91°N Lon: 20.99°E M: 2.8 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MPLH SZ EPn	0432 44.96
PSZ SZ EPn	0432 51.59
MPLH SN Sn	0433 43.03

PSZ SE Sn 0433 43.79

**November 20 2013 Hour: 10:09:19.0 Lat: 12.42°N Lon: 95.19°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 1020 32.95  
 LTVH SZ EP 1020 42.28  
 CSKK SZ EP 1020 42.42  
 PSZ SZ EP 1020 43.67  
 BSZH HZ EP 1020 45.07  
 BUD SZ EP 1020 48.32  
 SOP SZ EP 1020 48.83  
 MPLH SZ EP 1020 50.50

**November 20 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 CSKK SN Sn 1112 54.93  
 SOP SN Sn D 1113 02.55

**November 21 2013 Hour: 06:38:52.0 Lat: 45.79°N Lon: 26.73°E M: 4.4 Depth: 90 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPn D 0639 47.02  
 BSZH HZ EPn 0639 54.96  
 LTVH SZ EPn 0639 55.55  
 PSZ SZ EPn 0640 05.82  
 CSKK SZ EPn 0640 21.07  
 TRPA SE Sn 0640 30.27  
 PSZ SE Sn 0641 05.74

**November 21 2013 Hour: 19:45:31.0 Lat: 40.69°N Lon: 19.72°E M: 4.0 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1946 53.43  
 BSZH HZ EPn 1946 57.13  
 TIH SZ EPn 1947 09.70  
 CSKK SZ EPn 1947 14.69  
 MPLH SZ EPn 1947 16.71  
 PSZ SZ EPn 1947 16.91  
 TRPA SZ EPn 1947 20.98  
 MORH SE Sn 1947 56.57  
 MPLH SE Sn 1948 38.38  
 PSZ SE Sn 1948 39.74  
 TRPA SE Sn 1948 47.60

**November 22 2013 Hour: 03:17:08.0 Lat: 46.48°N Lon: 153.05°E M: 5.4 Depth: 29 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0328 55.00  
 LTVH SZ EP 0328 59.83  
 PSZ SZ EP D 0329 02.17  
 BSZH HZ EP 0329 04.06  
 CSKK SZ EP 0329 07.08  
 MPLH SZ EP 0329 08.89  
 TIH SZ EP C 0329 09.69  
 MORH SZ EP C 0329 09.79  
 SOP SZ EP 0329 09.82

November 22 2013 Hour: 03:29:18.0 Lat: 38.66°N Lon: 43.20°E M: 4.6 Depth: 5 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BUD SZ EP 0329 05.45  
TRPA SZ EP 0333 27.76  
PSZ SZ EP 0333 46.69  
CSKK SZ EP C 0333 46.79  
MORH SZ EP 0333 48.21  
LTVH SZ EP 0333 48.41  
TIH SZ EP 0333 55.49  
MPLH SZ EP 0333 58.53  
SOP SZ EP 0334 07.43

November 22 2013 Hour: 06:51:25.0 Lat: 34.32°N Lon: 45.51°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 0656 18.91  
LTVH SZ EP 0656 21.33  
BSZH HZ EP 0656 30.41  
PSZ SZ EP 0656 32.03  
MORH SZ EP 0656 32.63  
BUD SZ EP 0656 38.46  
CSKK SZ EP D 0656 42.52  
TIH SZ EP 0656 42.52  
MPLH SZ EP 0656 46.76  
SOP SZ EP 0656 54.42  
TRPA SZ ES 0700 21.70  
MORH SZ ES 0700 31.78  
LTVH SZ ES 0700 34.57  
PSZ SZ ES 0700 36.81  
BSZH HZ ES 0701 01.43  
TIH SZ ES 0701 04.79  
MPLH SZ ES 0701 08.71  
SOP SZ ES 0701 11.51

November 22 2013 Hour: 08:18:50.0 Lat: 44.60°N Lon: 124.21°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 D 0829 29.76  
LTVH SZ EP 0829 37.60  
PSZ SZ EP 0829 40.21  
BUD SZ EP 0829 44.99  
MORH SZ EP 0829 49.18  
CSKK SZ EP 0829 49.41  
MPLH SZ EP 0829 51.57  
SOP SZ EP 0829 51.91

November 22 2013 Hour: 15:12:04.0 Lat: 39.02°N Lon: 22.40°E M: 4.1 Depth: 15 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPn 1514 11.60  
CSKK SZ EPn 1514 13.76  
TRPA SZ EPn 1514 13.86  
PSZ SZ EPn 1514 16.45  
CSKK SN Sn 1515 51.99  
MPLH SN Sn 1515 52.56

PSZ SE Sn      1515 57.58

**November 22 2013 Hour: 17:20:57.0 Lat: 5.39°N Lon: 92.75°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      D 1732 26.96  
 LTVH SZ IP      D 1732 29.29  
 BSZH HZ IP      D 1732 34.94  
 PSZ SZ IP      D 1732 36.66  
 BUD SZ IP      D 1732 39.71  
 CSKK SZ IP      1732 42.68  
 TIH SZ IP      D 1732 43.79  
 MPLH SZ IP      D 1732 45.63  
 SOP SZ IP      D 1732 49.56

**November 22 2013 Hour: 18:30:58.0 Lat: 34.28°N Lon: 45.61°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      1835 52.70  
 LTVH SZ EP      1835 53.70  
 BSZH HZ EP      1836 05.88  
 PSZ SZ EP      C 1836 07.89  
 BUD SZ EP      1836 11.46  
 CSKK SZ EP      1836 15.35  
 TIH SZ EP      1836 16.40  
 MPLH SZ EP      C 1836 18.98  
 SOP SZ EP      1836 26.41  
 TRPA SN ES      1839 54.95  
 LTVH SN ES      1840 02.96  
 PSZ SN ES      1840 23.44  
 CSKK SN ES      1840 34.35  
 TIH SN ES      1840 39.69  
 MPLH SN ES      1840 44.36  
 SOP SN ES      1840 52.60

**November 22 2013 Hour: 21:02:37.0 Lat: 34.27°N Lon: 45.64°E M: 4.5 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP      2107 29.37  
 LTVH SZ EP      2107 37.27  
 PSZ SZ EP      2107 44.39  
 CSKK SZ EP      2107 52.32  
 MPLH SZ EP      2107 54.51  
 SOP SZ EP      2108 02.00

**November 22 2013 Hour: 22:04:24.0 Lat: 44.63°N Lon: 124.02°E M: 5.4 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP      2215 04.75  
 LTVH SZ EP      2215 11.95  
 PSZ SZ EP      D 2215 15.90  
 BSZH HZ EP      2215 17.33  
 BUD SZ EP      2215 19.81  
 CSKK SZ EP      2215 23.49  
 MPLH SZ EP      D 2215 26.87  
 SOP SZ EP      2215 27.28

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**November 22 2013 Hour: 22:32:31.0 Lat: 44.60°N Lon: 124.29°E M: 4.7 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 2243 11.66  
PSZ SZ EP 2243 22.10  
LTVH SZ EP 2243 25.06  
BUD SZ EP 2243 26.16  
CSKK SZ EP 2243 30.83  
MPLH SZ EP 2243 31.91

**November 23 2013 Hour: 07:48:32.0 Lat: 17.15°S Lon: 176.51°W M: 6.5 Depth: 368 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP D 0807 27.80  
LTVH SZ EPKiKP 0807 30.67  
PSZ SZ EPKiKP 0807 31.03  
BSZH HZ EPKiKP 0807 32.64  
BUD SZ EPKiKP 0807 33.53  
CSKK SZ EPKiKP 0807 34.07  
SOP SZ EPKiKP 0807 34.43  
TIH SZ EPKiKP 0807 34.97  
MPLH SZ EPKiKP 0807 35.15  
TRPA SZ EpP 0808 57.76  
LTVH SZ EpP 0809 00.45  
PSZ SZ EpP 0809 00.99  
BSZH HZ EpP 0809 01.88  
TIH SZ EpP 0809 02.96  
MPLH SZ EpP 0809 04.75  
SOP SZ EpP 0809 04.75

**November 23 2013 Hour: 09:42:09.0 Lat: 42.43°N Lon: 75.87°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 0949 19.23  
PSZ SZ EP 0949 38.91  
CSKK SZ EP 0949 40.44  
MPLH SZ EP 0949 52.58  
LTVH SZ EP 0949 53.15

**November 23 2013 Hour: 23:15:21.0 Lat: 51.52°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  
SOP SZ EPn 2316 22.42  
CSKK SZ EPn 2316 28.35  
PSZ SZ EPn 2316 28.35  
MPLH SZ EPn 2316 29.45  
BUD SZ EPn 2316 30.35  
BSZH HZ EPn 2316 38.47  
TRPA SZ EPn 2316 42.20  
LTVH SZ EPn 2316 43.74  
SOP SN Sn 2317 08.72  
PSZ SN Sn 2317 16.79  
CSKK SN Sn 2317 21.70  
PSZ SE Sn 2317 31.01  
MPLH SE Sn 2317 32.55  
TRPA SE Sn 2317 37.70  
BSZH HN Sn 2318 07.72

**November 23 2013 Hour: 23:30:47.0 Lat: 36.72°N Lon: 86.88°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 2339 19.66  
 BSZH HZ EP 2339 31.82  
 BUD SZ EP 2339 38.61  
 CSKK SZ EP 2339 40.97  
 LTVH SZ EP 2339 43.25  
 MPLH SZ EP 2339 46.16  
 PSZ SZ EP 2339 47.72  
 TIH SZ EP 2339 48.55  
 SOP SZ EP 2339 49.80

**November 24 2013 Hour: 03:28:50.0 Lat: 33.99°N Lon: 25.66°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 SZ EPn 0332 08.06  
 TIH SZ EPn 0332 08.39  
 TRPA SZ EPn 0332 09.26  
 LTVH SZ EPn 0332 10.42  
 MPLH SZ EPn 0332 12.45  
 CSKK SZ EPn 0332 12.88  
 BSZH HZ EPn 0332 13.32  
 PSZ SZ EPn 0332 13.75  
 SOP SZ EPn 0332 23.32

**November 24 2013 Hour: 08:47:52.0 Lat: 24.31°S Lon: 179.31°E M: 5.6 Depth: 508 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD SZ EPKiKP 0906 41.08  
 SOP SZ EPKiKP 0906 41.39  
 TIH SZ EPKiKP 0906 41.61  
 MPLH SZ EPKiKP 0906 42.51  
 TRPA SZ EPKiKP D 0906 44.08  
 PSZ SZ EPKiKP D 0906 46.07  
 LTVH SZ EPKiKP D 0906 47.01  
 BSZH HZ EPKiKP 0906 48.76  
 CSKK SZ EPKiKP 0906 48.76

**November 24 2013 Hour: 10:20:31.0 Lat: 52.02°N Lon: 142.34°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 1031 25.59  
 PSZ SZ EP 1031 32.84  
 CSKK SZ EP 1031 35.64  
 BUD SZ EP 1031 38.18  
 SOP SZ EP 1031 40.09  
 MPLH SZ EP 1031 42.66

**November 24 2013 Hour: 11:10:00.0 Lat: 21.68°S Lon: 179.30°W M: 5.5 Depth: 611 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP D 1128 39.46  
 PSZ SZ EPKiKP D 1128 42.59  
 LTVH SZ EPKiKP 1128 43.96  
 CSKK SZ EPKiKP C 1128 44.09  
 BUD SZ EPKiKP C 1128 44.30

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TIH SZ EPKiKP D 1128 45.96  
SOP SZ EPKiKP 1128 45.96  
MPLH SZ EPKiKP 1128 46.14

**November 24 2013 Hour: 16:06:25.0 Lat: 55.57°N Lon: 161.60°E M: 4.9 Depth: 92 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 1617 31.49  
CSKK SZ EP C 1617 32.81  
PSZ SZ EP 1617 37.94  
MPLH SZ EP 1617 44.04

**November 24 2013 Hour: 18:05:41.0 Lat: 34.06°N Lon: 45.52°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 SZ IP C 1808 27.84  
TRPA SZ IP C 1810 36.70  
LTVH SZ IP 1810 38.48  
BSZH HZ IP D 1810 49.51  
PSZ SZ IP D 1810 52.91  
CSKK SZ IP 1811 00.45  
TIH SZ IP 1811 00.74  
MPLH SZ IP C 1811 03.09  
SOP SZ IP C 1811 10.32  
TRPA SN ES 1814 54.82  
LTVH SN ES 1814 59.86  
PSZ SN ES 1815 08.49  
CSKK SN ES 1815 14.24  
TIH SN ES 1815 17.84  
MPLH SN ES 1815 22.16  
SOP SN ES 1815 39.42

**November 24 2013 Hour: 20:49:38.0 Lat: 40.78°N Lon: 31.87°E M: 4.6 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 2051 59.65  
TRPA SZ EPn 2052 01.85  
BSZH HZ EPn 2052 04.60  
PSZ SZ EPn 2052 18.66  
BUD SZ EPn 2052 23.79  
MPLH SZ EPn 2052 30.08  
SOP SZ EPn 2052 41.73  
TRPA SN Sn 2053 51.43  
LTVH SN Sn 2053 59.82

**November 25 2013 Hour: 03:23:57.0 Lat: 45.94°N Lon: 141.89°E M: 5.4 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0335 19.10  
LTVH SZ EP 0335 25.33  
PSZ SZ EP 0335 27.40  
BSZH HZ EP 0335 28.38  
BUD SZ EP 0335 31.73  
MPLH SZ EP 0335 35.34  
SOP SZ EP 0335 36.68

**November 25 2013 Hour: 05:56:50.0 Lat: 45.65°N Lon: 151.03°E M: 5.9 Depth: 40 km**

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STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0608 36.09  
 LTVH SZ EP C 0608 41.01  
 PSZ SZ EP C 0608 42.65  
 BSZH HZ EP C 0608 45.17  
 BUD SZ EP C 0608 46.82  
 CSKK SZ EP 0608 48.75  
 TIH SZ EP 0608 50.80  
 SOP SZ EP C 0608 50.80  
 MPLH SZ EP C 0608 50.80

**November 25 2013 Hour: 07:45:00.0 Lat: 42.72°N Lon: 19.36°E M: 3.6 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EPn 0746 08.12  
 MPLH SZ EPn 0746 16.84  
 PSZ SZ EPn D 0746 16.84  
 TRPA SZ EPn 0746 23.86  
 CSKK SZ EPg 0746 31.38  
 TIH SN Sn 0746 58.67  
 CSKK SN Sn 0747 05.45  
 MPLH SE Sn 0747 09.69  
 PSZ SN Sn 0747 20.73  
 TRPA SE Sn 0747 32.35

**November 25 2013 Hour: 15:43:02.0 Lat: 38.55°N Lon: 141.82°E M: 5.0 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1554 56.58  
 PSZ SZ EP 1555 04.90  
 BUD SZ EP 1555 09.24  
 MPLH SZ EP 1555 13.70

**November 25 2013 Hour: 17:24:54.7 Lat: 50.05°N Lon: 19.17°E M: 2.9 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 1725 32.44  
 PSZ SZ ESg 1725 36.76  
 PSZ SE Sn 1726 01.00  
 PSZ SE ESg 1726 06.20

**November 25 2013 Hour: 20:45:20.0 Lat: 42.84°N Lon: 21.03°E M: 2.9 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BUD SZ EPn 2046 32.62  
 MPLH SZ EPn 2046 34.04  
 PSZ SZ EPn 2046 36.23  
 CSKK SZ EPn 2046 36.52  
 SOP SZ Sn 2046 46.39  
 SOP SZ EPn 2046 51.13  
 BUD SZ Sn 2047 29.73  
 CSKK SN Sn 2047 32.69  
 MPLH SN Sn 2047 34.17  
 TRPA SN Sn 2047 35.00  
 PSZ SN Sn 2047 36.98  
 SOP SN Sn 2047 52.20

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**November 26 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPg 0745 27.76  
MPLH SN ESg 0745 29.72

**November 26 2013 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 31.49  
CSKK SN ESg 0813 33.02

**November 26 2013 Hour: 08:11:21.0 Lat: 51.47°N Lon: 174.48°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 0823 29.17  
PSZ SZ EP 0823 33.53  
CSKK SZ EP 0823 37.02  
MPLH SZ EP 0823 37.70  
TIH SZ EP 0823 39.50

**November 26 2013 Hour: 09:31:00.0 Lat: 48.63°N Lon: 20.74°E M: Depth: 0 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0933 39.73  
PSZ SN ESg 0933 42.41

**November 27 2013 Hour: 04:13:37.0 Lat: 40.85°N Lon: 27.92°E M: 4.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
LTVH SZ EPn 0415 33.25  
TRPA SZ EPn 0415 37.13  
PSZ SZ EPn 0415 52.37  
BUD SZ EPn 0415 56.35  
TIH SZ EPn 0415 56.55  
CSKK SZ EPn 0415 57.39  
MPLH SZ EPn 0415 59.47  
SOP SZ EPn 0416 10.04  
TRPA SN Sn 0417 10.29  
LTVH SN Sn 0417 12.02  
PSZ SN Sn 0417 50.91  
TIH SN Sn 0417 56.09  
LTVH SE ESg 0418 00.41  
TRPA SE ESg 0418 06.46

**November 27 2013 Hour: Lat: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0808 31.40  
CSKK SN ESg 0808 33.15

**November 27 2013 Hour: Lat: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0808 40.54  
CSKK SN ESg 0808 42.88

**November 27 2013 Hour: 14:21:16.0 Lat: 37.34°N Lon: 23.02°E M: 4.4 Depth: 13 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPn 1423 47.27

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PSZ	SZ	EPn	1423	51.71
BEHE	SN	Sn	1425	32.82
CSKK	SN	Sn	1425	38.74
MPLH	SN	Sn	1425	41.83
PSZ	SN	Sn	1425	53.67

**November 27 2013** Hour: 14:26:48.0 Lat: 25.48°S Lon: 69.87°E M: 5.0 Depth: 15 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EP 1439 31.51  
 SOP SZ EP 1439 34.10  
 BUD SZ EP 1439 34.67  
 TIH SZ EP 1439 34.81

**November 27 2013** Hour: 17:45:51.0 Lat: 42.02°N Lon: 141.60°E M: 5.0 Depth: 96 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1757 25.18  
 PSZ SZ EP 1757 32.71  
 BUD SZ EP 1757 36.47  
 MPLH SZ EP 1757 40.94

**November 28 2013** Hour: 01:19:07.0 Lat: 39.57°N Lon: 73.68°E M: 4.7 Depth: 20 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0126 18.45  
 BEHE SZ EP 0126 20.11

**November 28 2013** Hour: 13:51:35.0 Lat: 29.31°N Lon: 51.33°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 1357 36.04  
 PSZ SZ EP 1357 50.46  
 BUD SZ EP 1357 53.18  
 LTVH SZ EP 1357 54.46  
 TIH SZ EP 1357 56.23  
 CSKK SZ EP 1357 56.32  
 BSZH HZ EP 1357 57.16  
 MPLH SZ EP 1357 58.18  
 BEHE SZ EP 1358 02.36  
 SOP SZ EP 1358 05.99

**November 28 2013** Hour: 16:02:54.0 Lat: 0.22°N Lon: 98.60°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 1615 01.20  
 PSZ SZ EP 1615 05.46  
 MPLH SZ EP 1615 18.36

**November 29 2013** Hour: 01:54:45.0 Lat: 28.97°N Lon: 95.92°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 0204 40.26  
 PSZ SZ EP 0204 52.95  
 BUD SZ EP 0204 57.62  
 CSKK SZ EP 0205 01.26  
 MPLH SZ EP 0205 04.67  
 SOP SZ EP 0205 08.22

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November 29 2013 Hour: 06:25:32.0 Lat: 36.95°N Lon: 71.17°E M: 4.8 Depth: 52 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0632 36.79

November 29 2013 Hour: 13:24:31.0 Lat: 35.32°N Lon: 23.12°E M: 4.4 Depth: 52 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPn 1327 24.42  
TRPA SZ EPn 1327 29.89  
SOP SZ EPn 1327 36.00

November 29 2013 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 1957 44.80  
PSZ SN ESG 1957 46.62

November 29 2013 Hour: 23:47:36.0 Lat: 35.24°N Lon: 22.56°E M: 4.4 Depth: 10 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TIH SZ EPn 2350 27.17  
BEHE SZ EPn 2350 28.01  
MPLH SZ EPn 2350 32.69  
BUD SZ EPn 2350 32.85  
CSKK SZ EPn 2350 33.05  
PSZ SZ EPn 2350 36.05  
CSKK SN Sn 2352 49.88  
PSZ SE Sn C 2352 58.50  
TRPA SN Sn 2353 19.31

November 30 2013 Hour: 19:20:16.0 Lat: 1.21°S Lon: 26.82°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 C 1929 00.21  
TIH SZ EP 1929 01.24  
BSZH HZ EP 1929 01.54  
LTVH SZ EP 1929 01.98  
CSKK SZ EP 1929 01.98  
MPLH SZ EP 1929 02.71  
BUD SZ EP 1929 04.71  
PSZ SZ EP 1929 05.50  
TRPA SZ EP C 1929 07.27  
SOP SZ EP 1929 07.86

November 30 2013 Hour: 20:13:38.0 Lat: 42.64°N Lon: 13.22°E M: 3.9 Depth: 11 km  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
BEHE SZ EPn 2014 51.01  
SOP SZ EPn 2015 00.95  
MPLH SZ EPn 2015 02.74  
TIH SZ EPn 2015 04.52  
CSKK SZ EPn 2015 08.79  
PSZ SZ EPn 2015 16.73  
TRPA SZ EPn 2015 47.28  
MPLH SN Sn 2016 04.97  
CSKK SN Sn 2016 16.16  
PSZ SN Sn 2016 41.68  
TRPA SN Sn 2017 14.13

**December 01 2013 Hour: 01:24:14.0 Lat: 7.00°S Lon: 128.46°E M: 6.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPKiKP 0142 49.07  
 TRPA SZ EPKiKP 0142 49.64  
 LTVH SZ EPKiKP 0142 55.03  
 SOP SZ EPKiKP 0143 04.55  
 CSKK SZ EPKiKP 0143 05.73  
 TIH SZ EPKiKP 0143 07.02  
 MPLH SZ EPKiKP 0143 11.97

**December 01 2013 Hour: 01:24:14.0 Lat: 7.00°S Lon: 128.46°E M: 6.5 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BSZH HZ EPKiKP 0142 51.49  
 BEHE SZ EPKiKP 0143 20.97  
 BSZH HZ ESS 0152 19.16

**December 01 2013 Hour: 06:04:31.4 Lat: 46.07°N Lon: 18.37°E M: 3.1 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 0604 55.79  
 BSZH HZ EPn 0605 05.01  
 BEHE SN Sn 0605 11.91  
 BSZH HN Sn 0605 31.25

**December 01 2013 Hour: 06:29:59.0 Lat: 2.09°N Lon: 96.87°E M: 6.0 Depth: 20 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0641 56.19  
 PSZ SZ EP 0642 04.78  
 LTVH SZ EP 0642 08.08  
 CSKK SZ EP 0642 10.50  
 TIH SZ EP 0642 10.72  
 BSZH HZ EP 0642 12.27  
 MPLH SZ EP 0642 12.49  
 SOP SZ EP 0642 19.98  
 BEHE SZ EP 0642 20.42

**December 01 2013 Hour: 08:14:02.0 Lat: 1.12°S Lon: 26.76°E M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EP 0822 45.94  
 LTVH SZ EP 0822 45.96  
 MPLH SZ EP 0822 48.23  
 PSZ SZ EP 0822 50.17  
 TRPA SZ EP 0822 50.82

**December 01 2013 Hour: 08:34:24.0 Lat: 40.32°N Lon: 78.98°E M: 5.2 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TIH SZ EP 0842 28.18  
 MPLH SZ EP 0842 30.89

**December 01 2013 Hour: 10:01:32.0 Lat: 17.58°S Lon: 178.31°W M: 5.4 Depth: 547 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP D 1020 09.00  
 LTVH SZ EPKiKP D 1020 12.27

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PSZ SZ EPKiKP D 1020 12.93  
BSZH HZ EPKiKP D 1020 14.11  
CSKK SZ EPKiKP C 1020 15.72  
SOP SZ EPKiKP D 1020 16.42  
MPLH SZ EPKiKP D 1020 16.60  
TIH SZ EPKiKP D 1020 16.60

**December 02 2013 Hour: 02:14:58.0 Lat: 21.23°S Lon: 170.29°E M: 5.7 Depth: 115 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 0234 13.44  
LTVH SZ EPKiKP D 0234 18.83  
PSZ SZ EPKiKP D 0234 18.99  
CSKK SZ EPKiKP 0234 22.61  
TIH SZ EPKiKP D 0234 24.06  
MPLH SZ EPKiKP 0234 24.22  
SOP SZ EPKiKP D 0234 25.03  
BEHE SZ IPKiKP D 0234 27.07

**December 02 2013 Hour: 07:34:55.0 Lat: 2.18°N Lon: 96.69°E M: 5.3 Depth: 6 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EP 0746 54.42  
LTVH SZ EP 0747 07.17  
PSZ SZ EP 0747 09.60  
MPLH SZ EP 0747 14.17

**December 03 2013 Hour: 09:16:44.0 Lat: 36.54°N Lon: 141.77°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 D 0928 51.46  
SOP SZ EP 0928 55.87  
PSZ SZ EP 0928 59.64  
CSKK SZ EP 0929 06.32  
MPLH SZ EP 0929 07.18

**December 03 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPg 1402 35.58  
MPLH SE ESG 1402 37.51

**December 03 2013 Hour: 23:58:54.0 Lat: 6.68°N Lon: 126.21°E M: 5.6 Depth: 75 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EP 0012 13.49  
MORH SZ EP 0012 16.84  
MPLH SZ EP 0012 20.98

**December 04 2013 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 1244 26.39  
MORH SZ EPg 1244 27.10  
MORH SN Sn 1244 40.26

**December 04 2013 Hour: 14:55:40.0 Lat: 25.48°S Lon: 178.31°E M: 5.7 Depth: 582 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
TRPA SZ EPKiKP 1514 26.82

LTVH SZ EPKiKP 1514 29.98  
 MORH SZ EPKiKP 1514 33.68  
 MPLH SZ EPKiKP 1514 34.13

**December 04 2013** Hour: 16:43:34.0 Lat: 40.71°N Lon: 19.63°E M: 3.8 Depth: 2 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1644 57.29  
 MORH SN Sn 1645 58.20

**December 05 2013** Hour: 10:38:47.0 Lat: 49.42°N Lon: 155.73°E M: 5.0 Depth: 80 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 1050 18.69  
 PSZ SZ EP 1050 24.71  
 CSKK SZ EP 1050 29.58  
 SOP SZ EP 1050 32.67  
 MPLH SZ EP D 1050 33.09  
 MORH SZ EP D 1050 34.57

**December 05 2013** Hour: 18:00:19.0 Lat: 17.59°S Lon: 173.95°W M: 4.8 Depth: 50 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP C 1819 54.70  
 MPLH SZ EPKiKP C 1820 01.05  
 MORH SZ EPKiKP 1820 01.69

**December 06 2013** Hour: 10:24:03.0 Lat: 40.31°N Lon: 69.97°E M: 5.0 Depth: 15 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EP 1031 18.92  
 MORH SZ EP 1031 19.09

**December 06 2013** Hour: 22:04:14.9 Lat: 23.33°S Lon: 170.52°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 EPKiKP C 2223 49.34  
 PSZ SZ EPKiKP 2223 53.78  
 MPLH SZ EPKiKP 2223 58.61  
 MORH SZ EPKiKP 2223 58.81

**December 06 2013** Hour: 22:28:12.0 Lat: 49.85°N Lon: 18.54°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 2228 48.92  
 PSZ SZ ESg 2228 52.75  
 MPLH SZ EPn 2229 00.02  
 MORH SZ EPn 2229 06.87  
 PSZ SN Sn 2229 17.67  
 MPLH SN Sn 2229 27.68  
 MORH SN Sn 2229 47.70

**December 06 2013** Hour: 22:44:55.0 Lat: 50.21°N Lon: 18.91°E M: 2.9 Depth: 2 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPg 2245 41.14  
 PSZ SN ESg 2246 13.57

**December 07 2013** Hour: 07:36:26.0 Lat: 56.85°N Lon: 155.22°W M: 5.7 Depth: 40 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

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TRPA SZ EP	0748 05.30
PSZ SZ EP	0748 06.77
SOP SZ EP	0748 07.56
MPLH SZ EP	0748 10.96
CSKK SZ EP	0748 13.34
LTVH SZ EP	0748 13.90
TIH SZ EP	0748 14.34
BEHE SZ EP	0748 15.71
MORH SZ EP	0748 16.17
TRPA SZ EPcP	0748 20.13
SOP SZ EPcP	0748 20.69
PSZ SZ EPcP	0748 21.03
LTVH SZ EPcP	0748 24.43
MPLH SZ EPcP	0748 24.43
CSKK SZ EPcP	0748 25.20
TIH SZ EPcP	0748 26.13
BEHE SZ EPcP	0748 27.94
MORH SZ EPcP	0748 29.18

**December 07 2013** Hour: 16:44:10.0 Lat: 55.38°N Lon: 158.02°W 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	C 1655 59.72
PSZ SZ EP	1656 00.95
SOP SZ EP	1656 02.12
LTVH SZ EP	1656 04.01
CSKK SZ EP	1656 04.25
MPLH SZ EP	1656 04.88
TIH SZ EP	C 1656 06.92
BSZH HZ EP	1656 08.20
BEHE SZ EP	C 1656 08.81
MORH SZ EP	1656 09.75

**December 08 2013** Hour: 01:53:46.0 Lat: 15.51°S Lon: 165.57°E M: 5.4 Depth: 124 km  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

PSZ SZ EPKiKP	0212 57.03
MORH SZ EPKiKP	0212 58.92
MPLH SZ EPKiKP	0212 59.75
TRPA SZ EPP	0216 17.21
PSZ SZ EPP	0216 21.42
LTVH SZ EPP	0216 22.34
MPLH SZ EPP	0216 24.60
CSKK SZ EPP	0216 25.12
TIH SZ EPP	0216 25.42
MORH SZ EPP	0216 25.55
SOP SZ EPP	0216 26.04
BEHE SZ EPP	0216 28.40

**December 08 2013** Hour: 07:58:35.0 Lat: 44.52°N Lon: 149.20°E M: 5.0 Depth: 24 km

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	0810 21.92
PSZ SZ EP	0810 30.89
SOP SZ EP	0810 36.82
LTVH SZ EP	0810 37.08

MPLH SZ EP	0810 39.33
MORH SZ EP	0810 39.46
CSKK SZ EP	0810 39.99

**December 08 2013 Hour: 09:46:15.5 Lat: 67.07°N Lon: 129.13°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	0955 35.57
CSKK SZ EP	0955 40.82
MPLH SZ EP	0955 42.92
MORH SZ EP	0955 44.02
LTVH SZ EP	0955 50.59

**December 08 2013 Hour: 11:26:09.0 Lat: 18.63°S Lon: 174.44°W M: 5.4 Depth: 90 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EPKiKP	1145 42.77
PSZ SZ EPKiKP	1145 46.02
SOP SZ EPKiKP	1145 49.74
MPLH SZ EPKiKP	1145 49.90
MORH SZ EPKiKP	1145 50.21

**December 08 2013 Hour: 14:35:33.0 Lat: 42.46°N Lon: 13.46°E M: 3.5 Depth: 18 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPn	1436 55.82

**December 08 2013 Hour: 17:24:54.0 Lat: 44.55°N Lon: 149.17°E M: 6.1 Depth: 25 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	C 1736 41.07
LTVH SZ EP	1736 46.26
PSZ SZ EP	C 1736 48.45
BSZH HZ EP	C 1736 50.36
CSKK SZ EP	1736 53.37
SOP SZ EP	C 1736 55.28
MPLH SZ EP	C 1736 56.10
TIH SZ EP	1736 56.37
MORH SZ EP	C 1736 56.64
BEHE SZ EP	C 1737 01.02
BSZH HN ES	1746 44.42

**December 08 2013 Hour: 17:40:10.0 Lat: 44.47°N Lon: 149.06°E M: 4.9 Depth: 43 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1751 56.22
PSZ SZ EP	1752 03.24
LTVH SZ EP	1752 04.90
MPLH SZ EP	1752 11.15
SOP SZ EP	1752 12.04
MORH SZ EP	1752 12.48
CSKK SZ EP	1752 13.37

**December 08 2013 Hour: 20:56:30.0 Lat: 22.31°S Lon: 170.45°E M: 4.7 Depth: 60 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
LTVH SZ EPKiKP	2115 58.36
PSZ SZ EPKiKP	2115 59.62
MORH SZ EPKiKP	2116 04.36

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MPLH SZ EPKiKP 2116 04.67

**December 09 2013 Hour: 00:03:21.0 Lat: 15.60°S Lon: 173.52°W 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 EPKiKP 0022 45.52

LTVH SZ EPKiKP 0022 48.27

PSZ SZ EPKiKP 0022 48.99

BSZH HZ EPKiKP 0022 49.72

MORH SZ EPKiKP 0022 50.44

MPLH SZ EPKiKP 0022 50.58

SOP SZ EPKiKP 0022 50.73

TIH SZ EPKiKP 0022 52.03

BEHE SZ EPKiKP 0022 52.90

CSKK SZ EPKiKP 0022 53.04

**December 09 2013 Hour: 07:39:36.0 Lat: 9.75°N Lon: 93.02°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 0750 44.16

MORH SZ EP D 0750 59.76

MPLH SZ EP D 0751 04.57

**December 09 2013 Hour: 11:33:51.0 Lat: 38.58°N Lon: 55.74°E 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 1139 24.63

LTVH SZ EP 1139 30.06

PSZ SZ EP 1139 41.16

MORH SZ EP 1139 47.47

BSZH HZ EP 1139 48.12

MPLH SZ EP 1139 56.39

CSKK SZ EP 1139 57.69

SOP SZ EP 1139 58.13

TIH SZ EP 1139 59.21

**December 09 2013 Hour: 20:36:49.0 Lat: 36.40°N Lon: 141.84°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 2048 58.34

PSZ SZ EP 2049 05.08

MPLH SZ EP 2049 13.52

MORH SZ EP 2049 13.84

SOP SZ EP 2049 14.57

TIH SZ EP 2049 15.22

LTVH SZ EP 2049 16.93

**December 10 2013 Hour: 02:35:40.0 Lat: 41.26°N Lon: 22.50°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 C 0237 02.79

MPLH SZ EPn 0237 20.33

MORH SE Sn 0238 07.67

MPLH SN Sn 0238 39.19

**December 10 2013 Hour: 04:27:17.0 Lat: 5.73°S Lon: 102.07°E M: 5.1 Depth: 30 km**

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

TRPA SZ EP 0440 01.12

PSZ SZ EP	D 0440 10.44
MORH SZ EP	D 0440 13.18
MPLH SZ EP	D 0440 17.83
TIH SZ EP	0440 28.36

**December 10 2013 Hour: 05:23:08.0 Lat: 54.80°N Lon: 162.12°E M: 4.8 Depth: 48 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 0534 27.20  
 PSZ SZ EP 0534 32.38  
 SOP SZ EP 0534 32.59  
 CSKK SZ EP 0534 38.22  
 MPLH SZ EP 0534 40.78  
 TIH SZ EP 0534 41.02  
 MORH SZ EP 0534 42.28  
 BSZH HZ EP 0534 47.66

**December 10 2013 Hour: 06:23:31.0 Lat: 51.44°N Lon: 16.05°E M: 3.8 Depth: 2 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0624 32.41  
 MPLH SZ EPn 0624 38.36  
 PSZ SZ EPn 0624 38.93  
 MORH SZ EPn 0624 52.25  
 TIH SZ EPn 0624 52.81  
 TRPA SZ EPn 0624 54.79  
 SOP SN ESg 0625 33.39  
 TIH SN Sn 0625 39.48  
 MPLH SN Sn 0625 46.74  
 PSZ SN ESg 0625 49.91  
 TRPA SN Sn 0625 51.49  
 MORH SN Sn 0626 04.17  
 TRPA SN ESg 0626 25.44

**December 10 2013 Hour: 07:47:59.0 Lat: 51.29°N Lon: 15.97°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 0749 02.66  
 MPLH SZ EPn 0749 04.25  
 SOP SZ EPn 0749 04.72  
 TIH SZ EPn 0749 08.85  
 TRPA SZ EPn 0749 16.00  
 MORH SZ EPn 0749 20.92  
 SOP SN ESg 0749 57.59

**December 10 2013 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 1008 44.01
MORH SE ESg 1008 49.10

**December 10 2013 Hour: 15:24:27.0 Lat: 36.26°N Lon: 21.29°E M: 4.7 Depth: 10 km**  
 STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1526 53.46  
 MPLH SZ EPn 1527 04.65  
 PSZ SZ EPn 1527 12.43  
 MORH SE Sn 1528 40.92

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MPLH SE Sn	1529	11.56
PSZ SE Sn	1529	19.34

**December 10 2013 Hour: 18:33:07.0 Lat: 42.43°N Lon: 19.27°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 1834 05.63  
TIH SZ EPn 1834 16.56  
MPLH SZ EPn 1834 21.06  
CSKK SZ EPn 1834 22.02  
LTVH SZ EPn 1834 25.89  
BSZH HZ EPn 1834 26.84  
PSZ SZ EPn 1834 27.16  
SOP SZ EPn 1834 31.66  
TRPA SZ EPn 1834 40.98  
MORH SN Sn 1834 49.66  
TIH SN Sn 1835 11.19  
MPLH SN Sn 1835 17.94  
CSKK SN Sn 1835 18.37  
BSZH HN Sn 1835 19.22  
LTVH SN Sn 1835 24.68  
PSZ SN Sn 1835 27.90  
SOP SN Sn 1835 34.65  
TRPA SN Sn 1835 40.11

**December 10 2013 Hour: 21:04:25.0 Lat: 40.48°N Lon: 23.61°E M: 3.3 Depth: 7 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2106 04.74  
MORH SN Sn 2107 21.50

**December 11 2013 Hour: 04:01:28.0 Lat: 42.96°N Lon: 17.52°E M: 2.7 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0402 21.92  
MPLH SZ EPn 0402 35.70  
MORH SN Sn 0403 03.26  
MPLH SN Sn 0403 22.20

**December 11 2013 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 0745 30.24  
PSZ SN ESG 0745 32.68

**December 11 2013 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 0847 17.19  
MORH SN ESG 0847 48.07

**December 11 2013 Hour: 13:00:54.0 Lat: 38.99°N Lon: 22.30°E M: 4.3 Depth: 12 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1302 45.12  
CSKK SZ EPn 1303 07.02  
PSZ SZ EPn 1303 07.27  
MPLH SZ EPn 1303 07.61  
MORH SN Sn D 1304 11.74

MPLH SN Sn 1304 42.53  
 PSZ SE Sn D 1304 49.88

**December 11 2013 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 1625 02.14  
 PSZ SN ESg 1625 15.58

**December 12 2013 Hour: 00:59:18.0 Lat: 47.07°N Lon: 9.49°E M: 4.1 Depth: 3 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0100 32.24  
 BEHE SZ EPn 0100 35.38  
 MPLH SZ EPn 0100 41.26  
 TIH SZ EPn 0100 44.60  
 SOP SZ ESg 0100 49.09  
 CSKK SZ EPn 0100 50.70  
 MORH SZ EPn 0100 51.58  
 BEHE SZ ESg 0100 54.91  
 PSZ SZ EPn 0101 01.32  
 TRPA SZ EPn 0101 24.64  
 SOP SN ESg 0101 56.11  
 MORH SN Sn 0102 02.41  
 BEHE SN ESg 0102 06.89  
 TIH SN ESg 0102 31.45  
 CSKK SN ESg 0102 35.67

**December 12 2013 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 1920 21.72  
 CSKK SN ESg 1920 24.05  
 MPLH SN ESg 1920 36.03

**December 12 2013 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 1925 31.75  
 CSKK SN ESg 1925 34.34

**December 12 2013 Hour: 19:47:31.0 Lat: 49.25°N Lon: 156.12°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 D 1959 08.60  
 PSZ SZ EP 1959 15.80  
 LTVH SZ EP 1959 16.32  
 CSKK SZ EP 1959 20.68  
 SOP SZ EP 1959 22.58  
 MPLH SZ EP 1959 23.01  
 MORH SZ EP 1959 24.32

**December 12 2013 Hour: 22:52:16.0 Lat: 45.27°N Lon: 148.27°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 2304 01.06  
 PSZ SZ EP C 2304 09.08  
 LTVH SZ EP 2304 09.90  
 CSKK SZ EP 2304 14.43

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BSZH HZ EP	2304 15.84
MPLH SZ EP	2304 17.03
SOP SZ EP	2304 17.18
MORH SZ EP	2304 17.48

**December 13 2013 Hour: 01:54:11.0 Lat: 17.78°S Lon: 176.81°W M: 4.7 Depth: 346 km**

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

BSZH HZ EPKiKP	0213 06.60
TRPA SZ EPKiKP	0213 10.20
LTVH SZ EPKiKP	0213 12.30
PSZ SZ EPKiKP	0213 12.90
SOP SZ EPKiKP	0213 16.50
MPLH SZ EPKiKP	0213 17.40
MORH SZ EPKiKP	0213 18.30

**December 13 2013 Hour: 03:34:23.0 Lat: 42.00°N Lon: 20.45°E M: 3.9 Depth: 8 km**

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

MORH SZ EPn	0335 30.52
BEHE SZ EPn	0335 42.16
LTVH SZ EPn	0335 44.43
MPLH SZ EPn	0335 46.96
CSKK SZ EPn	0335 49.01
PSZ SZ EPn	0335 50.38
TRPA SZ EPn	0335 55.86
SOP SZ EPn	0335 57.11
MORH SN Sn	0336 20.96
BEHE SN Sn	D 0336 44.25
LTVH SN Sn	0336 47.25
MPLH SN Sn	0336 49.02
CSKK SN Sn	0336 53.22
PSZ SN Sn	0336 55.47
SOP SN Sn	0337 04.45
TRPA SN Sn	0337 13.71

**December 13 2013 Hour: 04:45:09.0 Lat: 13.20°N Lon: 89.06°W M: 5.5 Depth: 50 km**

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

MORH SZ EP	0458 12.89
SOP SZ EP	0458 13.17
PSZ SZ EP	0458 20.79
TRPA SZ EP	0458 21.63
MPLH SZ EP	0458 22.48
TIH SZ EP	0458 25.87

**December 13 2013 Hour: 05:34:31.0 Lat: 49.32°N Lon: 156.24°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 0546 09.20
PSZ SZ EP	0546 15.60
BEHE SZ EP	0546 19.14
CSKK SZ EP	0546 21.05
SOP SZ EP	0546 22.96
MPLH SZ EP	D 0546 23.44
MORH SZ EP	D 0546 24.88
TIH SZ EP	0546 26.31

**December 13 2013 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 0824 31.44  
 CSKK SN ESg 0824 34.14

**December 13 2013 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 0916 18.11  
 MPLH SZ EPg 0916 20.43  
 TIH SN ESg 0916 20.71  
 CSKK SN ESg 0916 25.59  
 MPLH SN ESg 0916 27.29

**December 13 2013 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 1221 16.40  
 MORH SN ESg 1221 30.29

**December 13 2013 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 1224 46.01  
 CSKK SE ESg 1224 49.40

**December 13 2013 Hour: 22:05:22.0 Lat: 44.34°N Lon: 15.51°E M: 3.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 2205 58.61  
 TIH SZ EPn 2206 07.78  
 MPLH SZ EPn 2206 09.62  
 MORH SZ EPn 2206 09.81  
 SOP SZ EPn 2206 14.20  
 CSKK SZ EPn 2206 15.30  
 BEHE SN Sn 2206 26.49  
 PSZ SZ EPn 2206 29.79  
 TIH SN Sn 2206 41.90  
 MORH SE Sn 2206 44.23  
 MPLH SN Sn 2206 46.01  
 TRPA SZ EPn 2206 50.84  
 SOP SN Sn 2206 53.27  
 CSKK SN Sn 2206 55.11  
 PSZ SN Sn 2207 20.79

**December 13 2013 Hour: 22:05:22.0 Lat: 44.34°N Lon: 15.51°E M: 3.3 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EPn 2206 32.49  
 PSZ SN Sn 2207 20.46

**December 13 2013 Hour: 23:28:17.0 Lat: 42.12°N Lon: 20.59°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 2329 23.01  
 BEHE SZ EPn 2329 30.72  
 TIH SZ EPn 2329 35.09  
 MPLH SZ EPn 2329 40.91

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## CHAPTER 4. PHASE DATA

PSZ	SZ	EPn	2329	44.35
TRPA	SZ	EPn	2329	46.91
MORH	SN	Sn	2330	10.89
TIH	SN	Sn	2330	32.60
BEHE	SN	Sn	2330	33.98
MPLH	SN	Sn	2330	44.21
PSZ	SN	Sn	2330	48.93

**December 13 2013 Hour: 23:33:38.0 Lat: 44.40°N Lon: 15.65°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	2334	14.01												
TIH	SZ	EPn	2334	23.16												
MPLH	SZ	EPn	2334	26.77												
SOP	SZ	EPn	2334	28.15												
MORH	SZ	EPn	2334	30.10												
BEHE	SN	Sn	2334	43.51												
PSZ	SZ	EPn	2334	45.86												
MORH	SN	Sn	2334	57.25												
TIH	SN	Sn	2334	59.50												
MPLH	SN	Sn	2335	01.82												
MORH	SN	ESg	2335	08.82												
SOP	SE	Sn	2335	09.06												
PSZ	SN	Sn	2335	37.66												

**December 13 2013 Hour: 23:40:50.0 Lat: 42.18°N Lon: 20.58°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	2341	55.28												
BEHE	SZ	EPn	2341	59.43												
TIH	SZ	EPn	2342	06.79												
MPLH	SZ	EPn	2342	12.63												
CSKK	SZ	EPn	2342	13.58												
PSZ	SZ	EPn	2342	15.84												
MORH	SN	Sn	2342	44.41												
BEHE	SN	Sn	2343	05.05												
TIH	SN	Sn	2343	08.07												
CSKK	SN	Sn	2343	15.05												
MPLH	SN	Sn	2343	15.80												
PSZ	SN	Sn	2343	23.33												

**December 14 2013 Hour: 04:06:15.0 Lat: 35.57°N Lon: 140.66°E M: 5.4 Depth: 44 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
TRPA	SZ	EP	C	0418	20.89											
PSZ	SZ	EP	C	0418	28.56											
CSKK	SZ	EP	C	0418	34.10											
TIH	SZ	EP	0418	36.11												
MPLH	SZ	EP	C	0418	36.86											
MORH	SZ	EP	C	0418	37.24											
SOP	SZ	EP	C	0418	37.49											
BSZH	HZ	EP	0418	39.76												
BEHE	SZ	EP	0418	41.27												

**December 14 2013 Hour: 15:16:28.0 Lat: 41.95°N Lon: 20.43°E M: 2.8 Depth: 5 km**

STAT	SP	IPHASW	D	HRMM	SECON	CODA	AMPLIT	PERI	AZIMU	VELO	AIN	AR	TRES	W	DIS	CAZ7
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MORH SZ EPn 1517 35.07

**December 14 2013 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 1942 29.73

MORH SN ESg 1942 41.09

**December 15 2013 Hour: 01:13:30.0 Lat: 21.42°S Lon: 178.78°W M: 4.6 Depth: 2 km**

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

TIH SZ EPKiKP C 0133 13.90

TRPA SZ EPKiKP 0133 16.05

LTVH SZ EPKiKP 0133 18.59

PSZ SZ EPKiKP 0133 19.94

CSKK SZ EPKiKP 0133 20.73

MPLH SZ EPKiKP C 0133 22.48

SOP SZ EPKiKP 0133 22.54

MORH SZ EPKiKP 0133 23.16

**December 15 2013 Hour: 03:07:09.0 Lat: 53.85°N Lon: 160.47°E M: 5.0 Depth: 49 km**

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

TRPA SZ EP 0318 30.15

PSZ SZ EP 0318 36.39

CSKK SZ EP 0318 41.30

SOP SZ EP 0318 42.53

MPLH SZ EP 0318 43.45

MORH SZ EP 0318 45.60

BEHE SZ EP 0318 49.08

**December 15 2013 Hour: 17:17:42.0 Lat: 43.14°N Lon: 144.99°E M: 4.8 Depth: 80 km**

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

TRPA SZ EP 1729 20.67

PSZ SZ EP 1729 27.08

CSKK SZ EP 1729 33.48

MPLH SZ EP 1729 35.58

SOP SZ EP 1729 36.21

LTVH SZ EP 1729 36.32

MORH SZ EP 1729 36.74

**December 15 2013 Hour: Lat: Lon: M: Depth:**

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

MPLH SZ EPg D 2011 46.62

MPLH SN ESg 2011 49.04

**December 16 2013 Hour: 04:11:48.0 Lat: 58.82°S Lon: 149.10°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 0431 33.94

PSZ SZ EP 0431 38.68

MPLH SZ EP 0431 39.36

MORH SZ EP 0431 39.52

CSKK SZ EP 0431 42.57

**December 16 2013 Hour: 05:04:54.0 Lat: 31.15°N Lon: 110.47°E M: 5.2 Depth: 10 km**

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

## CHAPTER 4. PHASE DATA

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PSZ SZ EP	0515 55.33
CSKK SZ EP	0516 01.50
MORH SZ EP	0516 02.19

**December 16 2013 Hour: 07:06:20.0 Lat: 35.50°N Lon: 6.96°W M: 5.0 Depth: 30 km**

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

BEHE SZ EP	0711 00.44
SOP SZ EP	0711 03.71
MPLH SZ EP	0711 08.49
TIH SZ EP	0711 08.87
MORH SZ EP	0711 11.53
CSKK SZ EP	0711 13.74
PSZ SZ EP	0711 25.07
TRPA SZ EP	0711 41.56

**December 17 2013 Hour: 13:49:34.0 Lat: 75.91°N Lon: 7.06°E 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	1355 33.55
PSZ SZ EP	1355 37.38
MORH SZ EP	1355 41.86

**December 17 2013 Hour: 17:02:00.0 Lat: 20.76°S Lon: 178.69°W M: 5.7 Depth: 584 km**

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

TRPA SZ EPKiKP D	1720 39.57
MORH SZ EPKiKP	1720 41.35
LTVH SZ EPKiKP	1720 42.29
PSZ SZ EPKiKP	1720 42.82
BSZH HZ EPKiKP	1720 43.23
CSKK SZ EPKiKP	1720 44.49
SOP SZ EPKiKP D	1720 46.27
TIH SZ EPKiKP D	1720 46.58
MPLH SZ EPKiKP	1720 46.58
BEHE SZ EPKiKP D	1720 48.67

**December 17 2013 Hour: 17:13:49.0 Lat: 43.15°N Lon: 146.13°E M: 4.9 Depth: 69 km**

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

TRPA SZ EP	D 1725 31.42
PSZ SZ EP	1725 39.26
MPLH SZ EP	1725 45.06
MORH SZ EP	1725 48.82

**December 17 2013 Hour: 22:49:21.1 Lat: 49.76°N Lon: 18.10°E M: 2.8 Depth: 10 km**

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

PSZ SZ EPn	2249 57.23
CSKK SZ EPn	2249 58.07
MPLH SZ EPn	2250 01.84
BEHE SZ EPn	2250 12.19
MORH SZ EPn	2250 13.82
PSZ SN Sn	2250 23.47
CSKK SN Sn	2250 26.88
MPLH SN Sn	2250 34.41
MORH SN Sn	2250 52.99
BEHE SN Sn	2250 55.18

**December 17 2013 Hour: 23:38:07.0 Lat: 20.79°N Lon: 146.77°E M: 6.3 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 2351 29.63  
 TIH SZ EP 2351 32.69  
 BEHE SZ EP 2351 35.25  
 LTVH SZ EP 2351 36.57  
 PSZ SZ EP 2351 38.19  
 BSZH HZ EP 2351 41.50  
 CSKK SZ EP 2351 43.13  
 MPLH SZ EP 2351 43.96  
 MORH SZ EP 2351 44.92  
 LTVH SZ EPP 2355 15.54  
 TRPA SZ EPP 2355 19.39  
 BSZH HZ EPP 2355 21.79  
 PSZ SZ EPP 2355 28.53  
 TIH SZ EPP 2355 30.93  
 MORH SZ EPP 2355 36.22  
 SOP SZ EPP 2355 36.22  
 CSKK SZ EPP 2355 39.18  
 MPLH SZ EPP 2355 41.79  
 BEHE SZ EPP 2355 45.18

**December 18 2013 Hour: 08:22:14.0 Lat: 75.87°N Lon: 7.39°E M: 5.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 PSZ SZ EP 0828 38.89  
 TRPA SZ EP 0828 41.04  
 MPLH SZ EP 0828 41.58  
 SOP SZ EP 0828 42.12  
 MORH SZ EP 0828 48.45

**December 18 2013 Hour: 10:01:15.0 Lat: 48.88°N Lon: 154.96°E M: 5.3 Depth: 45 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1012 51.10  
 PSZ SZ EP 1012 57.24  
 CSKK SZ EP 1013 03.74  
 MPLH SZ EP 1013 05.16  
 MORH SZ EP 1013 07.50

**December 18 2013 Hour: 10:58:51.0 Lat: 43.38°N Lon: 12.53°E M: 3.9 Depth: 9 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 BEHE SZ EPn 1100 01.26  
 MORH SZ EPn 1100 09.58  
 SOP SZ EPn 1100 10.34  
 MPLH SZ EPn 1100 10.84  
 TIH SZ EPn 1100 15.00  
 CSKK SZ EPn 1100 19.42  
 MORH SZ EPg 1100 30.81  
 PSZ SZ EPn 1100 32.17  
 BEHE SN Sn 1100 50.15  
 MPLH SN Sn 1101 08.35  
 SOP SN Sn 1101 09.86  
 MORH SN Sn 1101 10.02

## CHAPTER 4. PHASE DATA

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TIH SN Sn	1101 12.04
CSKK SN Sn	1101 23.40
PSZ SN Sn	1101 42.65

**December 18 2013 Hour: 12:54:38.0 Lat: 30.25°N Lon: 138.59°E M: 5.1 Depth: 430 km**

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

PSZ SZ EP	1306 25.92
MORH SZ EP	1306 33.74

**December 18 2013 Hour: 21:20:06.0 Lat: 39.83°N Lon: 25.42°E M: 4.1 Depth: 6 km**

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

MORH SZ EPn	2122 04.29
TRPA SZ EPn	2122 09.95
MPLH SZ EPn	2122 20.10
PSZ SZ EPn	2122 22.38
MORH SN Sn	2123 34.08
PSZ SN Sn	2123 53.97

**December 19 2013 Hour: 02:03:35.0 Lat: 34.94°N Lon: 28.91°E M: 4.2 Depth: 10 km**

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

TRPA SZ EPn	0206 45.78
MORH SZ EPn	0206 47.34
PSZ SZ EPn	0207 03.53

**December 19 2013 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	1023 10.21
MORH SN ESG	1023 18.39

**December 19 2013 Hour: 13:10:23.0 Lat: 42.94°N Lon: 21.04°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	1311 19.70
PSZ SZ EPn	1311 40.55
MORH SN Sn	1312 03.33
PSZ SN Sn	1312 38.12

**December 19 2013 Hour: 19:28:41.0 Lat: 27.58°N Lon: 67.49°E M: 5.4 Depth: 10 km**

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

BSZH HZ EP 1936 33.13

**December 20 2013 Hour: 06:03:35.0 Lat: 51.68°N Lon: 7.18°E M: 3.5 Depth: 2 km**

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

SOP SN ESG	0607 32.90
MPLH SN ESG	0607 59.75
CSKK SN ESG	0608 08.38
TIH SN ESG	0608 13.39

**December 20 2013 Hour: 11:59:02.0 Lat: 24.02°S Lon: 169.35°E M: 5.3 Depth: 40 km**

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

TRPA SZ EPKiKP	1218 34.17
LTVH SZ EPKiKP	1218 37.24
PSZ SZ EPKiKP	1218 38.79
CSKK SZ EPKiKP	1218 41.93

TIH SZ EPKiKP 1218 42.81  
 MPLH SZ EPKiKP D 1218 43.64  
 MORH SZ EPKiKP 1218 43.91  
 SOP SZ EPKiKP 1218 44.14

**December 20 2013 Hour: 13:08:58.0 Lat: 41.68°N Lon: 14.82°E M: 3.8 Depth: 26 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1310 18.98  
 MPLH SZ EPn 1310 24.83  
 MORH SN Sn 1311 19.67  
 MPLH SN Sn 1312 12.91

**December 20 2013 Hour: 16:10:46.0 Lat: 35.84°N Lon: 140.15°E M: 5.4 Depth: 68 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 1622 46.09  
 PSZ SZ EP C 1622 53.70  
 CSKK SZ EP 1622 59.95  
 MPLH SZ EP 1623 01.85  
 SOP SZ EP 1623 02.80  
 MORH SZ EP 1623 02.80

**December 20 2013 Hour: 21:10:47.0 Lat: 4.28°N Lon: 96.25°E M: 5.3 Depth: 83 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP D 2122 25.24  
 LTVH SZ EP 2122 28.26  
 PSZ SZ EP 2122 35.67  
 MORH SZ EP 2122 38.52  
 TIH SZ EP 2122 42.91  
 MPLH SZ EP D 2122 44.28  
 SOP SZ EP 2122 46.96

**December 21 2013 Hour: 01:34:13.0 Lat: 35.61°N Lon: 140.66°E M: 5.5 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP C 0146 19.75  
 PSZ SZ EP 0146 27.67  
 LTVH SZ EP 0146 29.40  
 CSKK SZ EP 0146 32.76  
 MORH SZ EP 0146 35.59  
 MPLH SZ EP 0146 35.87  
 SOP SZ EP 0146 36.44

**December 21 2013 Hour: 06:38:31.0 Lat: 22.31°S Lon: 171.77°E M: 5.6 Depth: 139 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EPKiKP C 0657 49.35  
 LTVH SZ EPKiKP 0657 52.42  
 PSZ SZ EPKiKP 0657 53.57  
 CSKK SZ EPKiKP 0657 55.77  
 SOP SZ EPKiKP 0657 58.42  
 MPLH SZ EPKiKP 0657 58.46  
 MORH SZ EPKiKP C 0657 58.52

**December 21 2013 Hour: 09:57:07.0 Lat: 43.28°N Lon: 19.32°E M: 3.1 Depth: 8 km**

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

## CHAPTER 4. PHASE DATA

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MORH SZ EPn	0957	55.02
TIH SZ EPn	0958	00.84
MPLH SZ EPn	0958	10.04
PSZ SZ EPn	0958	15.56
MORH SN Sn	0958	26.29
TRPA SZ EPn	0958	33.95
TIH SN Sn	0958	50.09
MPLH SN Sn	0958	55.72

**December 21 2013 Hour: 14:21:40.0 Lat: 36.55°N Lon: 71.65°E M: 5.1 Depth: 80 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EP	1428	47.64
PSZ SZ EP	1429	01.87
MORH SZ EP	1429	08.88
CSKK SZ EP	1429	11.97
MPLH SZ EP	1429	15.07
SOP SZ EP	1429	20.84

**December 21 2013 Hour: 17:51:50.0 Lat: 53.44°N Lon: 91.76°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	1759	47.49
PSZ SZ EP	1800	05.24
MORH SZ EP	1800	11.74
MPLH SZ EP	1800	14.74

**December 22 2013 Hour: 01:37:00.0 Lat: 43.38°N Lon: 12.52°E M: 3.6 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TIH SZ EPn	0138	19.05
MORH SZ EPn	0138	19.33
SOP SZ EPn	0138	19.33
MPLH SZ EPn	0138	19.67
TRPA SZ EPn	0139	03.33
MPLH SN Sn	0139	17.66
SOP SN Sn	0139	18.55
MORH SN Sn	0139	18.63
TIH SN Sn	0139	19.77
TRPA SN Sn	0140	33.38

**December 22 2013 Hour: 03:23:15.0 Lat: 17.67°S Lon: 178.73°W M: 4.5 Depth: 555 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EPKiKP	0341	50.82
LTVH SZ EPKiKP	0341	52.32
PSZ SZ EPKiKP	0341	53.01
CSKK SZ EPKiKP	0341	56.56
SOP SZ EPKiKP	0341	57.11
MPLH SZ EPKiKP	0341	57.79
MORH SZ EPKiKP	0341	58.48

**December 22 2013 Hour: 10:06:35.0 Lat: 43.38°N Lon: 12.52°E M: 4.4 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
MORH SZ EPn	1007	53.67
SOP SZ EPn	1007	53.90
MPLH SZ EPn	1007	53.90

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TIH SZ EPn	1007	56.30
LTVH SZ EPn	1008	00.64
CSKK SZ EPn	1008	06.49
BSZH HZ EPn	1008	16.59
PSZ SZ EPn	1008	17.20
TRPA SZ EPn	1008	38.25
MPLH SN Sn	1008	53.56
SOP SN Sn	1008	54.86
TIH SN Sn	1008	56.94
PSZ SN Sn	1009	32.78
TRPA SN Sn	1010	09.14

**December 23 2013 Hour: 01:42:35.0 Lat: 44.98°N Lon: 16.52°E M: 2.6 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TIH SZ EPn	0143 09.97
MORH SZ EPn	0143 10.83
MPLH SZ EPn	0143 13.22
SOP SZ EPn	0143 18.64
CSKK SZ EPn	0143 20.74
PSZ SZ EPn	0143 31.92
MORH SN Sn	0143 34.25
MPLH SN Sn	0143 41.85
TIH SN Sn	0143 42.76
SOP SN Sn	0143 53.77
CSKK SN ESg	0144 00.57

**December 23 2013 Hour: 06:57:32.0 Lat: 35.62°N Lon: 142.10°E M: 5.5 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	0709 44.90
PSZ SZ EP	0709 52.85
MORH SZ EP	0709 59.82
MPLH SZ EP	0710 01.18
CSKK SZ EP	0710 03.77

**December 23 2013 Hour: 09:11:32.0 Lat: 36.25°N Lon: 142.29°E M: 5.3 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MPLH SZ EP	0923 36.86
TRPA SZ EP	0923 43.25
PSZ SZ EP	0923 48.72
MORH SZ EP	0923 57.39
TIH SZ EP	0924 00.35

**December 23 2013 Hour: 09:12:29.0 Lat: 12.82°N Lon: 143.06°E M: 5.8 Depth: 115 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	0937 24.29
MPLH SZ EP	0937 43.48
MORH SZ EP	0937 43.48

**December 23 2013 Hour: 16:45:49.0 Lat: 25.70°N Lon: 66.70°W M: 5.2 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
SOP SZ EP	1656 44.73
MPLH SZ EP	D 1656 49.33
MORH SZ EP	C 1656 55.48

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PSZ SZ EP	D 1656 58.90
LTVH SZ EP	1657 00.32
TRPA SZ EP	1657 08.47

**December 23 2013 Hour: 18:44:27.0 Lat: 19.12°N Lon: 39.19°E M: 5.2 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
LTVH SZ EP	1850 45.75
MORH SZ EP	1850 47.26
TRPA SZ EP	1850 48.91
PSZ SZ EP	1850 55.07
CSKK SZ EP	1850 56.58
TIH SZ EP	1850 57.54
SOP SZ EP	1850 59.59
MPLH SZ EP	1850 59.59

**December 24 2013 Hour: 03:32:50.0 Lat: 34.85°N Lon: 26.27°E M: 4.6 Depth: 15 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
MORH SZ EPn	0335 54.92
MORH SE Sn	0338 16.13

**December 24 2013 Hour: 12:40:34.0 Lat: 38.42°N Lon: 74.11°E M: 4.8 Depth: 144 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EP	1247 40.81
MPLH SZ EP	1247 51.18
LTVH SZ EP	1247 59.40
MORH SZ EP	1248 04.38
PSZ SZ EP	1248 27.30

**December 25 2013 Hour: 00:50:33.0 Lat: 18.43°S Lon: 176.57°W M: 4.8 Depth: 324 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EPKiKP	0109 35.75
LTVH SZ EPKiKP	0109 37.98
CSKK SZ EPKiKP	0109 38.39
BSZH HZ EPKiKP	0109 39.10
PSZ SZ EPKiKP	0109 39.40
MORH SZ EPKiKP	0109 39.81
MPLH SZ EPKiKP	0109 42.35

**December 25 2013 Hour: 04:41:31.0 Lat: 45.42°N Lon: 24.25°E M: 2.5 Depth: 1 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
LTVH SZ EPn	0442 18.86
TRPA SZ EPn	0442 19.20
LTVH SN Sn	0442 53.58
TRPA SE Sn	0442 53.58

**December 25 2013 Hour: 13:04:42.0 Lat: 18.17°S Lon: 177.86°W M: 5.5 Depth: 577 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7	
TRPA SZ EPKiKP D	1323 17.31
LTVH SZ EPKiKP D	1323 20.07
BSZH HZ EPKiKP	1323 20.23
PSZ SZ EPKiKP	1323 21.61
CSKK SZ EPKiKP	1323 22.60
MPLH SZ EPKiKP	1323 24.45

MORH SZ EPKiKP D 1323 24.58

**December 27 2013 Hour: 07:08:28.0 Lat: 47.14°N Lon: 9.49°E M: 3.7 Depth: 5 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 SOP SZ EPn 0709 40.86  
 MPLH SZ EPn 0709 51.14  
 CSKK SZ EPn 0709 58.37  
 MORH SZ EPn 0710 02.98  
 PSZ SZ EPn 0710 13.26  
 TRPA SZ EPn 0710 34.02  
 SOP SN Sn 0710 36.94  
 MPLH SN Sn 0710 53.14  
 CSKK SN Sn 0711 03.28  
 MORH SN Sn 0711 14.20  
 PSZ SN Sn 0711 31.23

**December 27 2013 Hour: 10:31:20.0 Lat: 40.36°N Lon: 142.20°E M: 5.0 Depth: 50 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1043 07.23  
 PSZ SZ EP 1043 15.50  
 MPLH SZ EP 1043 24.99  
 MORH SZ EP 1043 25.19

**December 27 2013 Hour: 17:46:05.0 Lat: 27.94°N Lon: 18.44°W M: 5.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MPLH SZ EP 1752 48.89  
 MORH SZ EP 1752 52.12  
 CSKK SZ EP 1752 54.28  
 PSZ SZ EP 1753 03.18  
 TIH SZ EP 1753 08.30  
 LTVH SZ EP 1753 14.91  
 TRPA SZ EP 1753 18.14

**December 27 2013 Hour: 19:43:24.0 Lat: 43.39°N Lon: 12.52°E M: 3.7 Depth: 7 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1944 41.61  
 MPLH SZ EPn 1944 45.55  
 TIH SZ EPn 1945 04.04  
 PSZ SZ EPn 1945 11.31  
 MPLH SN Sn 1945 41.27  
 TIH SN Sn 1945 43.80  
 MORH SN Sn 1945 51.15  
 PSZ SE Sn 1946 21.39  
 TRPA SN Sn 1946 50.89

**December 28 2013 Hour: 15:21:05.0 Lat: 35.96°N Lon: 31.29°E M: 5.9 Depth: 64 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 LTVH SZ EPn 1524 13.36  
 TRPA SZ EPn D 1524 17.05  
 MORH SZ EPn 1524 19.36  
 BSZH HZ EPn 1524 21.21  
 PSZ SZ EPn 1524 26.76  
 TIH SZ EPn 1524 34.84

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CSKK SZ EPn	1524	38.08
MPLH SZ EPn	1524	39.00
LTVH SN Sn	1526	51.02
TRPA SN Sn	1526	53.49
MORH SN Sn	1527	00.08
TIH SN Sn	1527	19.43
CSKK SN Sn	1527	20.66
MPLH SN Sn	1527	35.48

**December 28 2013 Hour: 18:59:06.0 Lat: 1.40°S Lon: 15.13°W M: 5.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
MORH SZ EP	1908	44.09
TIH SZ EP	1908	45.14
MPLH SZ EP	1908	45.89
CSKK SZ EP	1908	49.64
PSZ SZ EP	1908	55.80
BSZH HZ EP	1908	58.80
LTVH SZ EP	1908	58.95
TRPA SZ EP	1909	07.96

**December 28 2013 Hour: 19:06:18.0 Lat: 18.27°S Lon: 174.42°W M: 5.9 Depth: 107 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
TRPA SZ EPKiKP D	1925	48.97
MORH SZ EPKiKP	1925	50.98
LTVH SZ EPKiKP D	1925	51.86
PSZ SZ EPKiKP D	1925	52.36
BSZH HZ EPKiKP	1925	53.74
CSKK SZ EPKiKP D	1925	53.99
TIH SZ EPKiKP	1925	55.37
MPLH SZ EPKiKP D	1925	55.87

**December 28 2013 Hour: 19:31:28.0 Lat: 20.75°N Lon: 146.66°E M: 5.5 Depth: 40 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
PSZ SZ EPP	1948	59.58
TRPA SZ EPP	1949	00.51
MPLH SZ EPP	1949	03.17

**December 28 2013 Hour: 22:56:32.0 Lat: 32.82°N Lon: 47.70°E M: 4.8 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
LTVH SZ EP	2301	49.87
TRPA SZ EP	D	2301 50.22
BSZH HZ EP	2302	00.35
PSZ SZ EP	2302	04.61
MORH SZ EP	D	2302 04.95
CSKK SZ EP	2302	10.37
TIH SZ EP	D	2302 11.63
MPLH SZ EP	2302	14.16

**December 29 2013 Hour: 01:56:01.0 Lat: 43.39°N Lon: 12.53°E M: 3.3 Depth: 8 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7		
MORH SZ EPn	0157	19.19
MORH SN Sn	0158	18.99

**December 29 2013 Hour: 06:54:58.0 Lat: 43.12°N Lon: 17.30°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 0655 52.25  
 TIH SZ EPn 0655 56.62  
 MPLH SZ EPn 0656 00.99  
 CSKK SZ EPn 0656 04.27  
 BSZH HZ EPn 0656 11.55  
 PSZ SZ Sn 0656 14.83  
 LTVH SZ EPg 0656 22.89  
 PSZ SZ EPn 0656 25.02  
 TRPA SZ EPn 0656 27.21  
 TIH SE Sn 0656 43.23  
 MORH SE ESg D 0656 44.21  
 MPLH SE Sn 0656 47.24  
 CSKK SN Sn 0656 53.43  
 PSZ SE Sn 0657 14.55  
 BSZH HN Sn 0657 30.21  
 TRPA SE Sn 0657 42.96  
 LTVH SN ESg 0657 45.25

**December 29 2013 Hour: 12:49:18.0 Lat: 5.65°S Lon: 153.96°E M: 5.5 Depth: 30 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPKiKP 1308 14.77

**December 29 2013 Hour: 15:37:39.0 Lat: 1.37°N Lon: 126.29°E M: 5.7 Depth: 48 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 TRPA SZ EP 1551 08.41  
 PSZ SZ EP 1551 21.64  
 TIH SZ EP 1551 23.45  
 MORH SZ EP 1551 23.57  
 MPLH SZ EP 1551 25.69

**December 29 2013 Hour: 17:08:43.0 Lat: 41.37°N Lon: 14.45°E M: 5.2 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
 MORH SZ EPn 1710 04.85  
 TIH SZ EPn 1710 10.93  
 MPLH SZ EPn 1710 16.32  
 CSKK SZ EPn 1710 22.07  
 BSZH HZ EPn 1710 34.23  
 PSZ SZ EPn 1710 36.76  
 LTVH SZ EPn 1710 43.34  
 TRPA SZ EPn 1710 51.44  
 MORH SN Sn 1711 17.64  
 CSKK SN Sn 1711 32.46  
 BSZH HN Sn 1711 46.64  
 MORH SN ESg 1711 49.07  
 MPLH SN Sn 1712 00.32  
 TIH SN ESg 1712 02.27  
 PSZ SN Sn 1712 08.93  
 TRPA SN Sn 1712 36.78  
 LTVH SN ESg 1712 55.19  
 TRPA SN ESg 1713 19.57

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**December 29 2013 Hour: 17:49:52.0 Lat: 10.54°N Lon: 126.94°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 1803 00.26  
PSZ SZ EP 1803 07.01  
TIH SZ EP 1803 13.06  
MORH SZ EP 1803 13.41  
MPLH SZ EP 1803 16.35

**December 29 2013 Hour: 19:49:49.0 Lat: 41.36°N Lon: 14.45°E M: 3.9 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1951 13.16  
TIH SZ EPn 1951 17.62  
PSZ SZ EPn 1951 38.54  
TRPA SZ EPn 1951 58.49

**December 29 2013 Hour: 22:03:27.0 Lat: 41.39°N Lon: 14.42°E M: 3.5 Depth: 11 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 2204 50.91  
TIH SZ EPn 2204 56.88  
MPLH SZ EPn 2204 57.96  
PSZ SZ EPn 2205 13.90  
TRPA SZ EPn 2205 33.93  
MORH SN Sn 2205 56.34  
TIH SN Sn 2206 07.79  
PSZ SE Sn 2206 38.31

**December 30 2013 Hour: 02:18:32.0 Lat: 41.39°N Lon: 14.43°E M: 3.1 Depth: 10 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 0219 24.71  
MPLH SZ EPn 0219 38.19

**December 30 2013 Hour: 13:54:45.0 Lat: 44.23°N Lon: 18.53°E M: 3.1 Depth: 2 km**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPn 1355 20.58  
TIH SZ EPn 1355 29.99  
MPLH SZ EPn 1355 35.33  
CSKK SZ EPn 1355 36.19  
PSZ SZ EPn 1355 44.53  
MORH SN Sn 1355 45.60  
CSKK SN Sn 1356 10.41  
MPLH SN Sn 1356 11.69  
TIH SN ESg 1356 13.60  
PSZ SN Sn 1356 28.80

**December 30 2013 Hour: 20:17:59.0 Lat: 19.15°N Lon: 120.30°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 2030 14.00  
MORH SZ EP 2030 30.49  
MPLH SZ EP 2030 32.84

**December 31 2013 Hour: Lat: Lon: M: Depth:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPn 0031 26.21

**December 31 2013 Hour: 01:02:59.0 Lat: 36.74°N Lon: 140.62°E M: 5.1 Depth: 3 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP 0115 05.75  
PSZ SZ EP 0115 13.01  
CSKK SZ EP 0115 18.14  
TIH SZ EP 0115 20.39  
MPLH SZ EP 0115 20.77  
MORH SZ EP 0115 21.64

**December 31 2013 Hour: 08:36:28.0 Lat: 15.58°S Lon: 172.97°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 D 0856 04.69  
PSZ SZ EP 0856 08.69  
MPLH SZ EP 0856 11.48  
MORH SZ EP 0856 12.96

**December 31 2013 Hour: 20:01:05.0 Lat: 19.12°N Lon: 120.35°E M: 5.7 Depth: 2 km**  
STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7

TRPA SZ EP D 2013 20.95  
PSZ SZ EP D 2013 31.02  
LTVH SZ EP 2013 35.89  
CSKK SZ EP 2013 36.20  
MORH SZ EP D 2013 37.93  
TIH SZ EP 2013 38.41  
MPLH SZ EP D 2013 39.82

## Quarry explosions

Using the administrative data from the quarry managements and mine inspectorates a number of quarry blasts can be identified on the registered data. However we can determine the focal parameters of these events by seismological means only in a few cases. Usually the number of identified phases is not sufficient for hypocentre determination. The successfully located quarry blasts are shown in chapter *Local earthquakes*. In this section we present the measured phases of the reported explosions together with the locality of the quarry. The spatial distribution of the quarries is shown in Fig. 4.1. The phase data are listed in a similar way as in the case of regional and teleseismic earthquakes in the previous section.

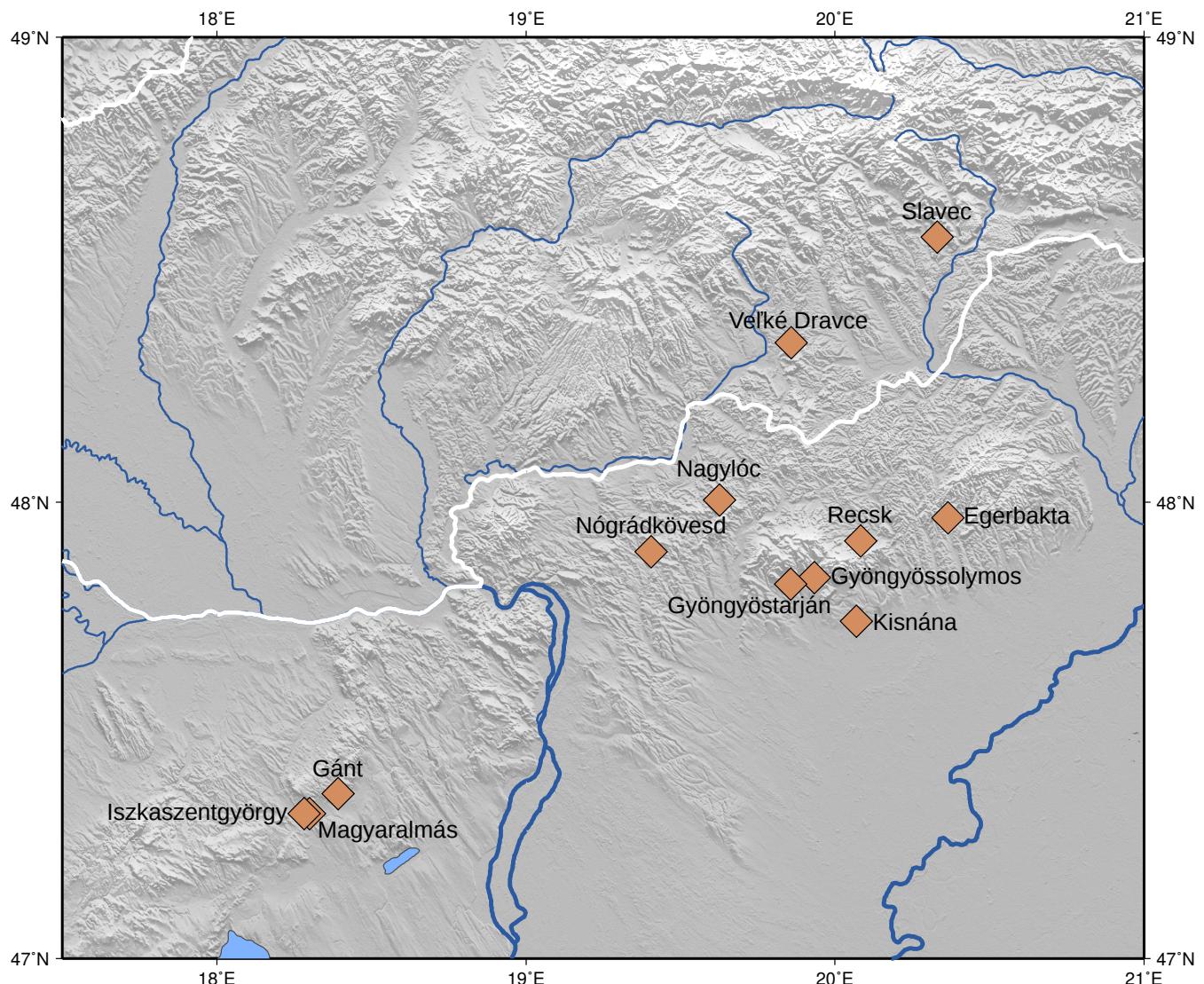


Figure 4.1: The location of the quarries with identified explosions.

**February 25 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1541 59.68  
PSZ SN ESg 1542 02.71

**February 28 2013**

**Locality: Gyöngyöstarján Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1139 42.37  
PSZ SE ESg 1139 44.38

**March 05 2013**

**Locality: Recsk Comments: 1590.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0854 11.68  
PSZ SN ESg 0854 13.96

**March 08 2013**

**Locality: Magyaralmás Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0659 11.43  
CSKK SN ESg 0659 12.67

**March 08 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1132 42.97  
CSKK SN ESg 1132 43.78

**March 13 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0942 48.81  
PSZ SN ESg 0942 51.77

**March 19 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1307 55.73  
CSKK SN ESg 1307 57.38

**March 20 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0826 53.33  
CSKK SN ESg 0826 55.49

**March 20 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0827 24.80  
CSKK SN ESg 0827 26.70

**March 26 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 1339 53.50  
PSZ SN ESg 1339 56.45

**April 02 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0701 36.06  
CSKK SN ESg 0701 37.17

**April 04 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0625 49.77  
CSKK SN ESg 0625 51.12

**April 04 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ IPg C 1203 38.68  
CSKK SN ESg 1203 40.55

**April 08 2013**

**Locality: Gyöngyössolymos Comments: 2100.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0804 44.12  
PSZ SE ESg 0804 45.41

**April 08 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0856 22.58  
CSKK SN ESg 0856 25.10

**April 10 2013**

**Locality: Bercel Comments: 1470.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1011 26.50  
PSZ SN ESg 1011 31.16

**April 10 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 1121 26.30  
PSZ SN ESg 1121 29.40

**April 11 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0856 16.88

CSKK SN ESg        0856 18.72

**April 12 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0621 28.35  
CSKK SN ESg        0621 30.37

**April 12 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        D 0621 44.30  
CSKK SN ESg        0621 46.04

**April 16 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0843 59.38  
CSKK SN ESg        0844 02.24

**April 23 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        1055 13.03  
CSKK SN ESg        1055 15.80

**April 25 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0926 40.38  
CSKK SN ESg        0926 43.50

**May 07 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        1008 48.90  
CSKK SN ESg        1008 51.15

**May 09 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0914 18.96  
CSKK SN ESg        0914 21.62

**May 13 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0811 09.67  
CSKK SE ESg        0811 11.48

**May 13 2013**

**Locality:** Iszkaszentgyörgy **Comments:**

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

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CSKK SZ EPg	0811 20.94
CSKK SE ESg	0811 22.62

**May 14 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg 1216 21.68
CSKK SN ESg 1216 24.58

**May 14 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPg D 1333 47.64
PSZ SN ESg 1333 50.88

**May 16 2013**

**Locality: Gyöngyössolymos Comments: 1170.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPg 0735 58.13
PSZ SN ESg 0736 00.18

**May 24 2013**

**Locality: Gyöngyössolymos Comments: 1170.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg 0913 52.29
CSKK SN ESg 0913 54.30

**May 24 2013**

**Locality: Gyöngyössolymos Comments: 1170.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg 0917 13.25
CSKK SN ESg 0917 15.19

**May 24 2013**

**Locality: Gyöngyössolymos Comments: 1170.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg C 0917 43.21
CSKK SE ESg 0917 44.69

**May 27 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPg D 0758 09.39
PSZ SN ESg 0758 11.94

**May 27 2013**

**Locality: Recsk Comments: 1680.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPg 1438 37.17
PSZ SN ESg 1438 40.43

**May 28 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1048 09.90  
CSKK SN ESG 1048 13.12

**May 29 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0719 49.83  
CSKK SN ESG 0719 51.68

**May 29 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0720 02.30  
CSKK SN ESG 0720 04.32

**June 01 2013**

**Locality: Nagylóc Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0915 13.83  
PSZ SN ESG 0915 16.49

**June 04 2013**

**Locality: Nagylóc Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0634 59.91  
CSKK SE ESG 0635 01.29

**June 04 2013**

**Locality: Nagylóc Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0642 10.16  
CSKK SE ESG 0642 11.77

**June 05 2013**

**Locality: Bercel Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1026 29.19  
PSZ SZ E 1026 29.21  
PSZ SN ESG 1026 34.87

**June 05 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 1158 43.12  
PSZ SN ESG 1158 45.50

**June 05 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1217 27.91  
CSKK SN ESG 1217 31.30

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**June 06 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0802 26.17  
CSKK SN ESg 0802 27.36

**June 06 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0802 57.58  
CSKK SN ESg 0802 59.90

**June 06 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0803 31.06  
CSKK SN ESg 0803 32.24

**June 11 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0640 08.02  
CSKK SE ESg 0640 09.48

**June 11 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0640 21.26  
CSKK SE ESg 0640 22.34

**June 11 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MORH SZ EPg C 0750 48.72  
MORH SE ESg 0750 54.84

**June 13 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0802 35.67  
PSZ SN ESg 0802 38.76

**June 17 2013**

**Locality: Gyöngyössolymos Comments: 1855.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0611 25.92  
PSZ SE ESg 0611 27.42

**June 18 2013**

**Locality: Gyöngyössolymos Comments: 1855.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EP 0706 15.00  
CSKK SN ESg 0706 17.10

**June 18 2013**

**Locality: Gyöngyössolymos Comments: 1855.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0706 28.40  
CSKK SE ESg 0706 30.51

**June 18 2013**

**Locality: Gyöngyössolymos Comments: 1855.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0805 50.67  
CSKK SN ESg 0805 52.77

**June 20 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1037 30.99  
CSKK SN ESg 1037 34.34

**June 21 2013**

**Locality: Gyöngyössolymos Comments: 240.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 0724 42.79  
PSZ SN ESg 0724 44.63

**June 22 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1021 31.24  
PSZ SN ESg 1021 34.54

**June 25 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0724 03.09  
CSKK SE ESg 0724 04.79

**June 25 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0724 16.90  
CSKK SN ESg 0724 18.92

**June 27 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1327 58.92  
CSKK SN ESg 1328 01.26

**June 28 2013**

**Locality: Gyöngyössolymos Comments: 425.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0816 49.36

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PSZ SN ESg 0816 50.71

### July 01 2013

**Locality:** Gyöngyössolymos **Comments:** 1540.0 kg charge

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0723 16.67  
PSZ SN ESg 0723 18.71

### July 02 2013

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1113 11.56  
CSKK SN ESg 1113 14.05

### July 04 2013

**Locality:** Iszkaszentgyörgy **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0940 10.59  
CSKK SN ESg 0940 12.47

### July 09 2013

**Locality:** Gyöngyössolymos **Comments:** 210.0 kg charge

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0640 49.24  
PSZ SN ESg 0640 51.02

### July 11 2013

**Locality:** Gyöngyössolymos **Comments:** 210.0 kg charge

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0723 48.79  
CSKK SN ESg 0723 50.76

### July 11 2013

**Locality:** Gyöngyössolymos **Comments:** 210.0 kg charge

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0723 59.42  
CSKK SN ESg 0724 01.58

### July 12 2013

**Locality:** Recsk **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0540 15.74  
PSZ SN ESg 0540 18.39  
PSZ ST E 0540 20.90  
PSZ ST E 0540 22.74

### July 15 2013

**Locality:** Bercel **Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1017 55.83  
PSZ SN ESg 1018 01.58  
PSZ ST E C 1018 02.64

**July 18 2013**

**Locality: Recsk Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0554 04.08  
PSZ SN ESg 0554 06.71  
PSZ ST E 0554 09.56  
PSZ ST E C 0554 11.11

**July 18 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0904 51.85  
CSKK SN ESg 0904 55.49

**July 23 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1011 19.38  
CSKK SN ESg 1011 22.15

**July 25 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0659 21.17  
CSKK SN ESg 0659 23.55

**July 25 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0715 05.71  
CSKK SE ESg 0715 08.01

**July 25 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1001 35.21  
CSKK SN ESg 1001 38.58

**July 30 2013**

**Locality: Gyöngyössolymos Comments: 120.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 0553 08.89  
PSZ SE ESg 0553 11.20

**July 31 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 0907 16.11  
PSZ SN ESg 0907 19.28

**July 31 2013**

**Locality: Iszkaszentgyörgy Comments:**

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

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CSKK SZ EPg 0924 56.56  
CSKK SE ESg 0924 58.70

### August 05 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0743 24.58  
CSKK SN ESg 0743 25.84

### August 05 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0743 36.53  
CSKK SE ESg 0743 38.47

### August 05 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0747 34.61  
CSKK SE ESg 0747 35.55

### August 05 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0747 44.56  
CSKK SE ESg 0747 45.79

### August 06 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1148 28.01  
CSKK SN ESg 1148 30.57

### August 08 2013

**Locality:** Recsk Comments: 1190.0 kg charge

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0654 00.69  
PSZ SN ISg 0654 03.30

### August 08 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0904 41.64  
CSKK SN ESg 0904 43.99

### August 09 2013

**Locality:** Kisnána Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 1055 11.31  
PSZ SN ESg 1055 15.77

### August 12 2013

**Locality:** Kisnána Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0716 51.20  
CSKK SE ESg 0716 52.28

**August 12 2013**

**Locality:** Kisnána Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0717 02.96  
CSKK SE ESg 0717 03.88

**August 13 2013**

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1105 08.23  
CSKK SN ESg 1105 10.48

**August 21 2013**

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0600 59.85  
CSKK SN ESg 0601 01.24

**August 21 2013**

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0726 45.93  
CSKK SE ESg 0726 47.16

**August 21 2013**

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0726 56.71  
CSKK SE ESg 0726 57.94

**August 24 2013**

**Locality:** Recsk Comments: 1880.0 kg charge

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0837 01.53  
PSZ SE ESg 0837 03.98

**August 26 2013**

**Locality:** Recsk Comments: 1880.0 kg charge

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0742 25.43  
CSKK SE ESg 0742 26.97

**August 26 2013**

**Locality:** Recsk Comments: 1880.0 kg charge

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0742 39.76  
CSKK SE ESg 0742 41.31

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**August 26 2013**

**Locality: Recsk Comments: 1880.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0750 49.37  
CSKK SN ESg 0750 51.62

**August 26 2013**

**Locality: Recsk Comments: 1880.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0751 01.86  
CSKK SE ESg 0751 03.35

**August 28 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1327 01.70  
CSKK SN ESg 1327 04.18

**August 29 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1121 37.46  
CSKK SN ESg 1121 40.88

**August 30 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0825 02.38  
CSKK SN ESg 0825 04.43

**August 30 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0825 14.04  
CSKK SN ESg 0825 16.22

**August 30 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0825 43.25  
CSKK SN ESg 0825 45.27

**August 30 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0830 09.49  
CSKK SN ESg 0830 10.73

**September 02 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0807 21.03  
CSKK SN ESg 0807 22.02

**September 02 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0807 47.04  
CSKK SN ESg 0807 48.09

**September 02 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0817 20.56  
CSKK SN ESg 0817 21.69

**September 05 2013**

**Locality: Recsk Comments: 1100.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0615 20.50  
PSZ SN ESg 0615 22.44

**September 09 2013**

**Locality: Recsk Comments: 1100.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0807 36.92  
CSKK SE ESg 0807 38.16

**September 09 2013**

**Locality: Recsk Comments: 1100.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0807 49.47  
CSKK SN ESg 0807 50.94

**September 09 2013**

**Locality: Recsk Comments: 1100.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0815 55.50  
CSKK SE ESg 0815 56.77

**September 09 2013**

**Locality: Recsk Comments: 1100.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0816 20.16  
CSKK SN ESg 0816 21.38

**September 10 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 1121 58.53  
PSZ SN ESg 1122 03.68

**September 10 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1141 02.77

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CSKK SN ESg        1141 05.77

### September 12 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        1146 58.12  
CSKK SN ESg        1147 00.51

### September 16 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0747 39.95  
CSKK SE ESg        0747 40.94

### September 16 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        D 0747 51.69  
CSKK SE ESg        0747 54.02

### September 18 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        1011 06.27  
CSKK SE ESg        1011 08.72

### September 20 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0606 05.94  
CSKK SN ESg        0606 07.82

### September 20 2013

**Locality:** Iszkaszentgyörgy Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        D 0606 15.92  
CSKK SN ESg        0606 17.80

### September 21 2013

**Locality:** Nagylóc Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg        C 0838 14.53  
PSZ SE ESg        0838 17.33

### September 23 2013

**Locality:** Nagylóc Comments:

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0708 43.42  
CSKK SN ESg        0708 44.47

### September 23 2013

**Locality:** Nagylóc Comments:

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

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CSKK SZ EPg	0708 56.05
CSKK SE ESg	0708 57.23

**September 23 2013****Locality: Nagylóc Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg C 0709 22.73
CSKK SE ESg 0709 23.74

**September 23 2013****Locality: Recsk Comments: 2000.0 kg charge**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPg C 0818 15.27
PSZ SN ESg 0818 17.74

**September 25 2013****Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg C 0944 08.41
CSKK SE ESg 0944 10.85

**September 27 2013****Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
PSZ SZ EPg D 1014 02.69
PSZ SZ ESg D 1014 02.69
PSZ SN ESg 1014 05.40

**September 30 2013****Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg 0743 14.16
CSKK SE ESg 0743 15.19

**September 30 2013****Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg 0743 26.07
CSKK SE ESg 0743 27.25

**September 30 2013****Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg 0743 55.77
CSKK SE ESg 0743 56.72

**September 30 2013****Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7
CSKK SZ EPg 0746 33.66
CSKK SE ESg 0746 34.43

**September 30 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0750 21.07  
CSKK SE ESg 0750 22.01

**September 30 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0750 33.26  
CSKK SE ESg 0750 35.45

**October 07 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0913 47.10  
CSKK SE ESg 0913 48.46

**October 07 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0914 18.00  
CSKK SE ESg 0914 19.40

**October 07 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0914 41.79  
CSKK SE ESg 0914 42.71

**October 07 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0915 47.01  
CSKK SN ESg 0915 48.64

**October 14 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0741 56.39  
CSKK SE ESg 0741 57.51

**October 14 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0751 24.49  
CSKK SE ESg 0751 25.55

**October 14 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0751 34.90  
CSKK SE ESg 0751 35.94

**October 15 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
MPLH SZ EPg C 0748 58.21  
MPLH SN ESg 0749 05.23

**October 17 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1234 14.83  
CSKK SN ESg 1234 16.50  
MPLH SN ESg 1234 30.16

**October 18 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 0926 07.09  
PSZ SN ESg 0926 12.17

**October 21 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0721 47.36  
CSKK SE ESg 0721 48.37

**October 21 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0722 12.64  
CSKK SN ESg 0722 13.89

**October 28 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0847 12.23  
CSKK SE ESg 0847 13.76

**October 28 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0847 28.67  
CSKK SE ESg 0847 29.91

**October 29 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1216 42.13  
CSKK SE ESg 1216 44.98

**November 04 2013**

**Locality: Iszkaszentgyörgy Comments:**

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

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CSKK SZ EPg D 0823 49.04  
CSKK SE ESg 0823 51.00

**November 04 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0824 31.88  
CSKK SE ESg 0824 32.95

**November 04 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0825 06.48  
CSKK SN ESg 0825 08.36

**November 04 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 3141 10.13  
PSZ SE ESg 3141 11.96

**November 11 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0859 25.41  
CSKK SE ESg 0859 26.30

**November 11 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0859 48.69  
CSKK SN ESg 0859 50.46

**November 11 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0900 25.02  
CSKK SE ESg 0900 26.51

**November 14 2013**

**Locality: Recsk Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0753 01.95  
PSZ SN ESg 0753 04.61

**November 14 2013**

**Locality: Recsk Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0840 50.37  
CSKK SE ESg 0840 51.76

**November 14 2013**

**Locality: Recsk Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0841 05.48  
CSKK SN ESg 0841 07.12

**November 14 2013**

**Locality: Recsk Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg D 0847 59.14  
CSKK SE ESg 0848 00.66

**November 14 2013**

**Locality: Recsk Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0849 37.41  
CSKK SN ESg 0849 38.78

**November 14 2013**

**Locality: Recsk Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0852 26.56  
CSKK SN ESg 0852 28.68

**November 14 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1026 57.48  
CSKK SN ESg 1026 59.77  
MPLH SN ESg 1027 07.15

**November 14 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1331 54.69  
CSKK SN ESg 1331 57.74  
MPLH SZ EPg 1332 03.15  
MPLH SN ESg 1332 11.74

**November 16 2013**

**Locality: Nagylóc Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 0922 37.79  
PSZ SN ESg 0922 41.79

**November 18 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg D 0720 28.91  
PSZ SN ESg 0720 30.99

**November 18 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg C 0837 25.19

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CSKK SE ESg        0837 26.56

**November 18 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0837 34.67  
CSKK SE ESg        0837 35.89

**November 21 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        1230 24.25  
CSKK SN ESg        1230 26.97  
MPLH SZ EPg        1230 31.66  
MPLH SN ESg        1230 40.63

**November 25 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0854 04.66  
CSKK SN ESg        0854 06.72

**November 25 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0854 15.06  
CSKK SN ESg        0854 16.25

**November 25 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        0858 32.61  
CSKK SE ESg        0858 34.55

**December 02 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg        D 1112 58.00  
PSZ SE ESg        1113 01.38

**December 03 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg        D 0714 55.37  
PSZ SN ESg        0714 57.43

**December 05 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg        1314 01.63  
CSKK SE ESg        1314 05.20

**December 10 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0825 09.96  
PSZ SE ESg 0825 11.80

**December 10 2013**

**Locality: Kisnána Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg 1129 53.54  
PSZ SN ESg 1129 57.02

**December 11 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0932 25.18  
PSZ SE ESg 0932 26.95

**December 12 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 0808 14.54  
CSKK SN ESg 0808 17.33  
MPLH SN ESg 0808 38.18  
MORH SN Sn 0808 50.89

**December 12 2013**

**Locality: Recsk Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 0907 50.47  
PSZ SN ESg 0907 53.13

**December 12 2013**

**Locality: Iszkaszentgyörgy Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
CSKK SZ EPg 1305 45.28  
CSKK SN ESg 1305 48.41  
MPLH SZ EPg 1305 51.32  
TIH SZ EPg 1305 54.10  
MPLH SN ESg 1306 01.73

**December 16 2013**

**Locality: Gyöngyössolymos Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SZ EPg C 1008 58.44  
PSZ SN ESg 1009 00.85

**December 20 2013**

**Locality: Egerbakta Comments:**

STAT SP IPHASW D HRMM SECON CODA AMPLIT PERI AZIMU VELO AIN AR TRES W DIS CAZ7  
PSZ SN ESg 0912 33.29



## 5. References

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