

Kövesligethy Radó Seismological Observatory

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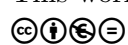
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Contents

1	Local earthquakes	9
2	Focal mechanisms	129
3	Macroseismic data	131
4	Regional and teleseismic earthquakes	143
5	References	355

Foreword

This publication reports the results of the seismological routine work performed at the Kövesligethy Radó Seismological Observatory. The Observatory belongs to the Geodetical and Geophysical Institute, Research Centre for Astronomy and Earth Sciences, Hungarian Academy of Sciences (MTA CSFK GGI). Until the beginning of the year 2012 the Observatory was part of the Geodetical and Geophysical Research Institute of Hungarian Academy of Sciences (MTA GGKI), but because of the structural reform at the Hungarian Academy of Sciences the Institute joined to the new research center, MTA CSFK and has changed its name to MTA CSFK GGI. The Institute will be referred as GGI throughout the Bulletin.

The main objectives of the Observatory are operating the Hungarian National Seismological Network and conducting seismological research for the better understanding of the seismicity and structure of the Pannonian basin. It has been running a SeisComp3 (<http://www.seiscomp3.org>) based automatic hypocentre location service whose results are published on the web (<http://www.seismology.hu>) and simultaneously email alerts are sent to the Hungarian National Directorate General for Disaster Management.

The predecessor of the GGI has published microseismic bulletins for the territory of Hungary up to the year 1978. After a long hiatus, seismological bulletins have been newly published by the cooperation of the GGI and the Georisk Ltd. starting from 2002. From this year onward the GGI will release the seismological bulletin independently under its own name in a renewed form with extended data content.

Focal parameters and phase readings of the local earthquakes are listed in Chapter 1. The origin of the events (earthquake or explosion) were determined based on the characteristics of the recordings. In Chapter 2 the focal mechanisms of those earthquakes are shown where there were sufficient polarity data to obtain reliable results. 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 earthquakes recorded at the Hungarian seismological stations are reported. The focal parameters shown there come from the real time seismicity data of the European–Mediterranean Seismological Centre (<http://www.emsc-csem.org>).

1. Local earthquakes

Data sources

During the year 2011 the Hungarian National Seismological Network operated by the Observatory consisted of 6 broadband stations (BEHE, BUD, MORH, PSZ, SOP, TRPA) and one short period station (CSKK). In the first four months of the year – based on an agreement between GGI and the Georisk Ltd. – the Observatory could access the data of further 7 seismological stations equipped with short period seismometers (PKS2, PKS6, PKS7, PKS9, PKSG, PKSN, PKST) and one with broadband seismometer (PKSM). After the Oroszlány earthquake of 2011.01.29 the Eötvös Loránd Geophysical Institute installed two short period stations (BOKD, VSOM) near the epicentral zone which had been operated for 1.5 months and their data was shared with the GGI. Besides, the Observatory deployed a temporary station (SUKH) in the Velence Hills which has worked until the middle of March.

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

Table 1.1 contains the parameters of permanent and temporary Hungarian seismological stations operated by various organizations whose data have been used during the location of the detected earthquakes. The position of the stations are shown in Fig. 1.1.

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 seizmologijo 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 in the case of foreign stations the monthly phase data reports of the partner organizations have been used.

In the year 2011, 393 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 using the HYPO71PC computer program (Lee and Lahr, 1975).

The location was 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 (trailing F indicates fixed depth)
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 ($0.5 * (\text{peak to peak})$), (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

Table 1.1: Parameters of the Hungarian seismological stations

Station	Lat (°N)	Lon (°E)	Height (m)	Sensor ^a	Acquisition ^b	Org. ^c	Period ^d
BEHE Becsehely	46.4706	16.7757	289	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
BUD Budapest	47.4836	19.0239	169	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
BOKD Bokod	47.4889	18.2517	150	L4	REFTEK	ELGI	02.01-04.13
CSKK Csókakő	47.3631	18.2605	319	SS-1	K2 SeisComp PC	GGI	01.01-12.31
MORH Mórágý	46.2149	18.6435	135	STS-2	PS-6-24 SeisComp PC	GGI	09.09-12.31
PKS2 Kecel	46.4920	19.2131	106	LE-3D	MARS-88OC	GR	01.01-04.31
PKS6 Bócsa	46.5998	19.5645	120	LE-3D	MARS-88OC	GR	01.01-04.31
PKS7 Kunszentmiklós	47.0473	19.1609	95	LE-3D	MARS-88OC	GR	01.01-04.31
PKS9 Tamási	46.5870	18.2789	240	LE-3D	MARS-88OC	GR	01.01-04.31
PKSG Gánt	47.3918	18.3907	200	LE-3D	MARS-880MC SeisComp PC	GR	01.01-04.31
PKSM Mórágý	46.2119	18.6413	170	STS-2	PS-6-24 SeisComp PC	GGI GR	01.01-04.31
PKSN Nyárlőrinc	46.8970	19.8667	110	LE-3D	MARS-88OC	GR	01.01-04.31
PKST Tés	47.2590	18.0343	437	LE-3D	MARS-88MC SeisComp PC	GR	01.01-04.31
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
SUKH Sukoró	47.2424	18.6165	100	SS-1	PS-6-24 SeisComp PC	GGI	01.01-03.16
TRPA Tarpa	48.1304	22.5391	113	STS-2	PS-6-24 SeisComp PC	GGI	01.01-12.31
VSOM Vértessomló	47.5066	18.3757	150	L4	REFTEK	ELGI	02.01-04.13

^a L4 – Mark Products L-4 seismometer

LE-3D – Lennartz 1Hz seismometer

SS-1 – Kinematics SS-1 short period seismometer

STS-2 – Streckeisen broadband seismometer

^b Data acquisition units (at all stations the recording is digital and continuous):

K2 – Kinematics K2 data acquisition system

MARS-88 – Lennartz data acquisition system

PS-6-24 – Earth Data digitizer

REFTEK - REFTEK digitizer and data acquisition system

SeisComp - Geofon Seismological Communication Processor

^c Operating organization:

ELGI - Eötvös Lóránd Geophysical Institute, Hungary

GEOFON - GEOFON Global Seismic Network, GFZ, Germany

GGI – Geodetic and Geophysical Institute, MTA CSFK, Hungary

GR – GeoRisk Earthquake Engineering Ltd., Hungary

^d Availability period in 2011

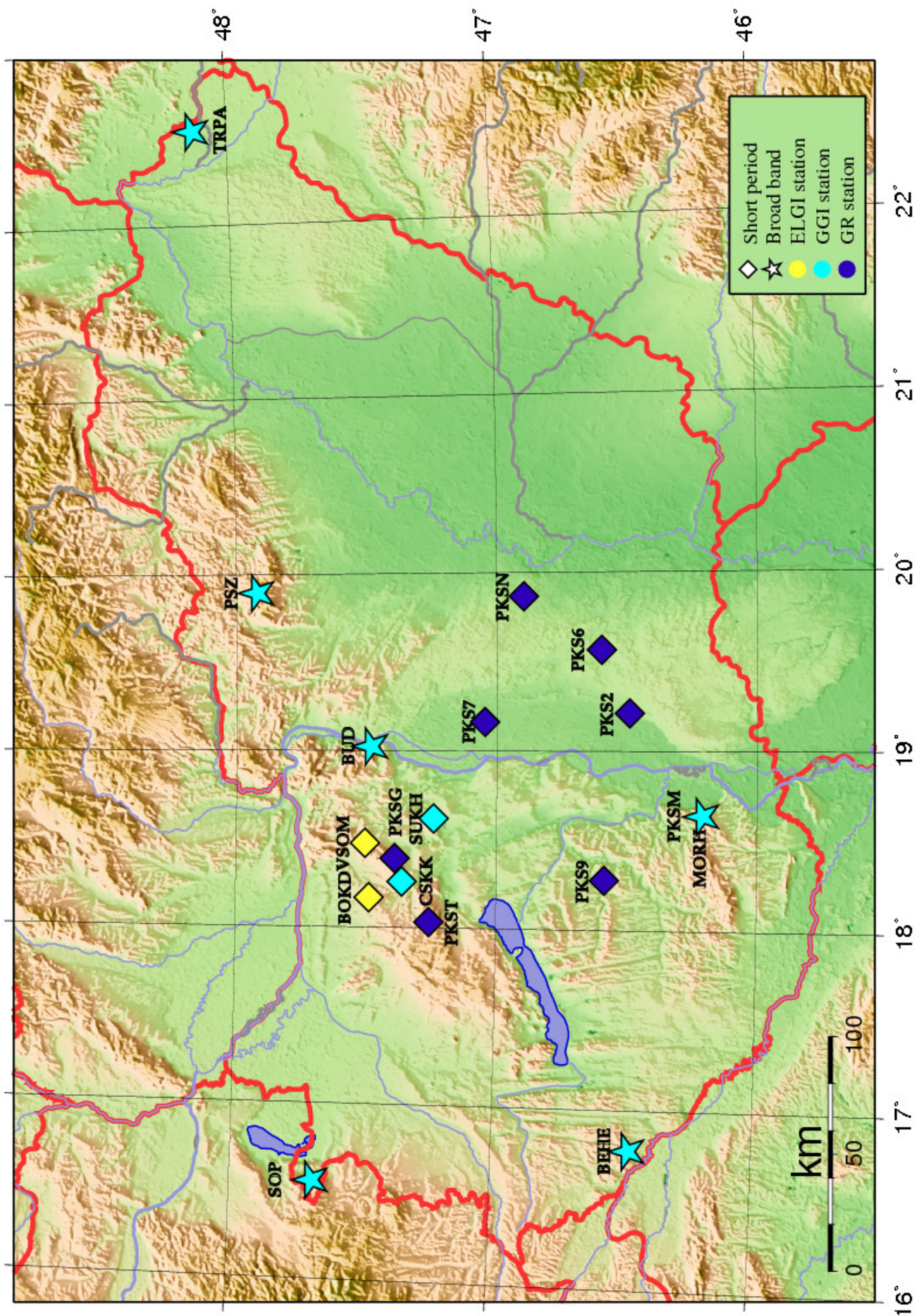


Figure 1.1: Hungarian seismological stations in 2011

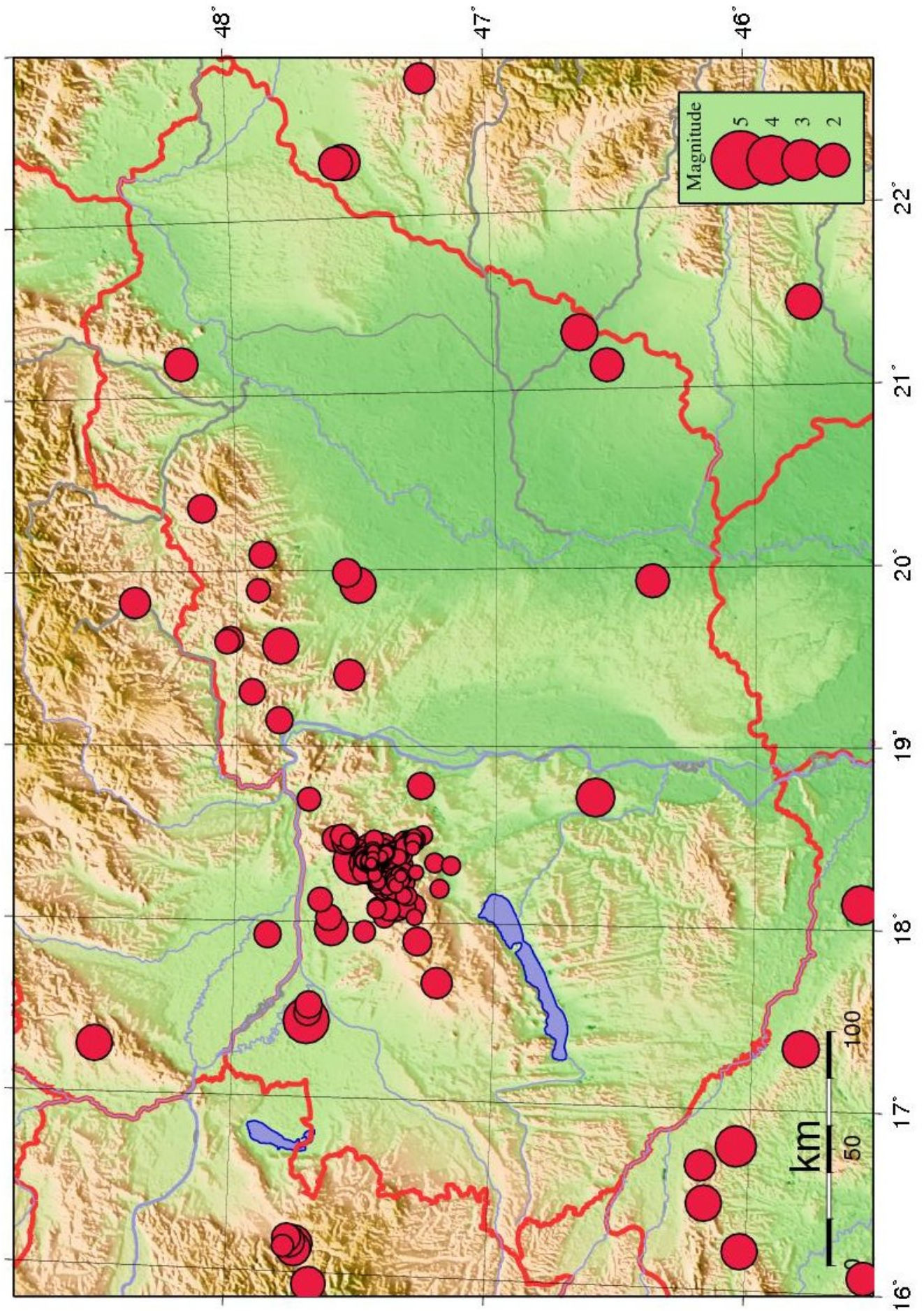


Figure 1.2: The epicenters of the located earthquakes in 2011

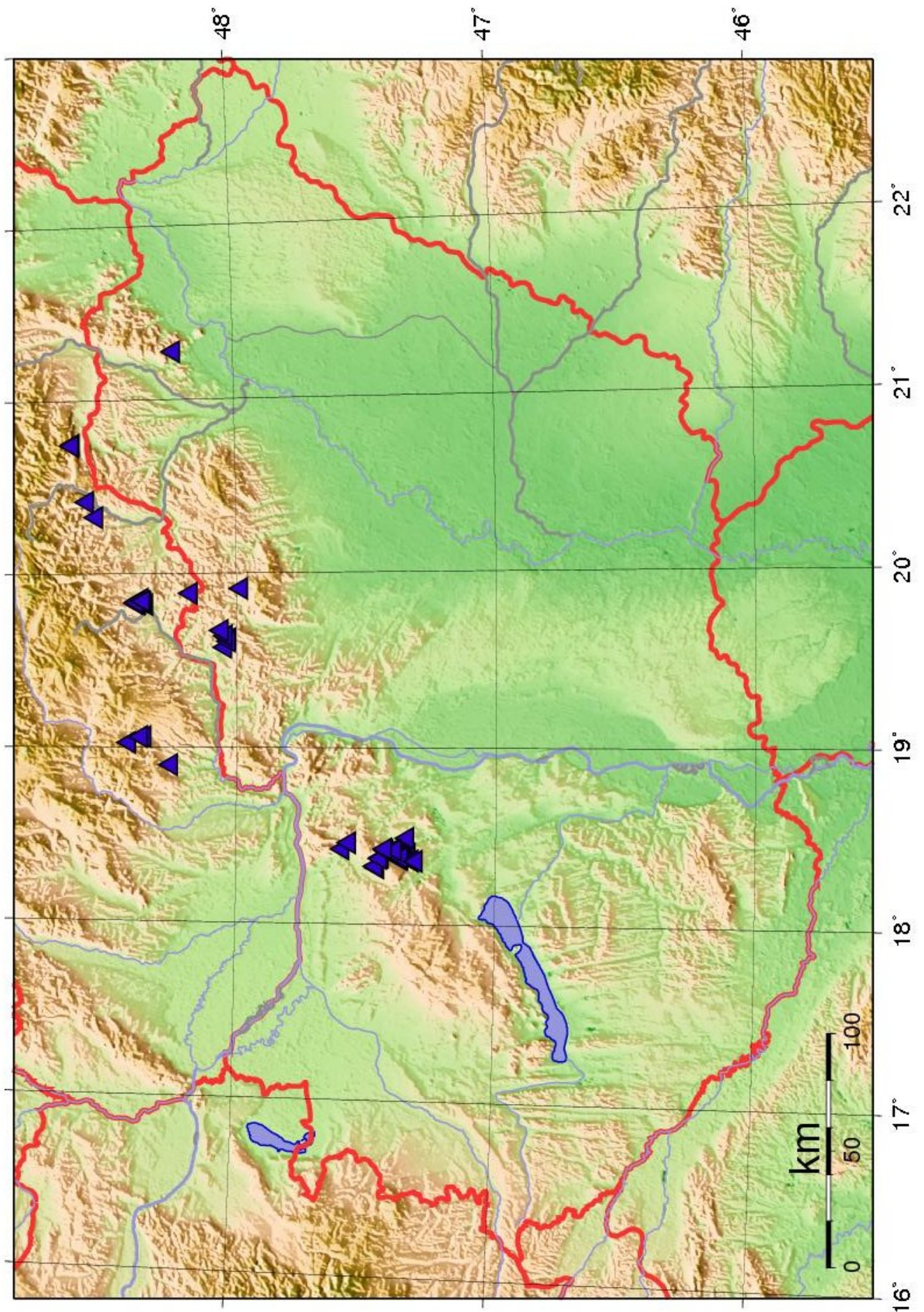


Figure 1.3: The epicenters of the located explosions in 2011

Table 1.2: Parameters of earthquakes detected by the Hungarian National Seismological Network.

	Date	Time	Lat. ($^{\circ}$ N)	Long. ($^{\circ}$ E)	Depth (km)	Magnitude	Locality
1.	2011.01.04	01:25:49.6	47.356	18.265	4.1	0.3	Csókakó
2.	2011.01.12	07:22:44.3	47.307	18.359	0.0	0.6	Zámoly
3.	2011.01.12	07:23:00.3	47.420	18.419	0.0	0.8	Gánt
4.	2011.01.12	12:07:10.7	47.370	18.314	7.8	1.4	Csákberény
5.	2011.01.15	18:25:17.6	47.346	18.087	8.7	0.5	Bakonycsernye
6.	2011.01.17	08:08:00.5	47.424	18.428	0.0	0.6	Csákvár
7.	2011.01.17	08:15:23.4	47.322	18.361	0.0	0.8	Zámoly
8.	2011.01.23	08:51:24.0	47.401	18.188	11.6	0.4	Mór
9.	2011.01.24	01:56:57.9	47.304	18.287	10.0	-0.2	Söréd
10.	2011.01.26	09:16:38.8	47.365	18.387	0.0	0.8	Gánt
11.	2011.01.26	09:16:52.0	47.377	18.399	0.0	0.8	Gánt
12.	2011.01.26	20:23:22.6	47.627	17.960	5.2	2.1	Bábolna
13.	2011.01.28	08:16:48.6	47.213	18.195	1.4	0.3	Bakonykúti
14.	2011.01.28	13:10:05.0	47.617	18.473	6.6	1.1	Vértestolna
15.	2011.01.29	17:41:38.2	47.459	18.361	9.1	4.5	Oroszlány
16.	2011.01.29	17:44:14.6	47.345	18.447	10.0	1.1	Zámoly
17.	2011.01.29	17:44:43.3	47.436	18.360	8.9	1.5	Oroszlány
18.	2011.01.29	17:45:03.7	47.451	18.363	9.3	0.9	Oroszlány
19.	2011.01.29	17:46:49.6	47.394	18.393	10.8	0.7	Gánt
20.	2011.01.29	17:47:44.0	47.313	18.466	0.0	0.5	Pátka
21.	2011.01.29	17:50:42.0	47.466	18.367	9.1	0.5	Oroszlány
22.	2011.01.29	17:53:25.5	47.411	18.359	8.5	0.3	Gánt
23.	2011.01.29	17:55:11.7	47.452	18.372	9.3	-0.2	Oroszlány
24.	2011.01.29	17:56:36.5	47.440	18.353	8.6	0.3	Oroszlány
25.	2011.01.29	17:57:31.9	47.312	18.454	0.0	0.0	Pátka
26.	2011.01.29	17:57:43.4	47.444	18.368	8.3	0.1	Oroszlány
27.	2011.01.29	18:05:30.8	47.470	18.380	8.3	1.5	Várgesztes
28.	2011.01.29	18:15:30.3	47.455	18.358	7.9	0.3	Oroszlány
29.	2011.01.29	18:15:59.8	47.430	18.380	11.5	0.4	Gánt
30.	2011.01.29	18:18:34.5	47.432	18.360	10.4	1.7	Oroszlány
31.	2011.01.29	18:20:08.2	47.447	18.373	10.0	-0.1	Oroszlány
32.	2011.01.29	18:32:07.8	47.446	18.372	9.6	0.1	Oroszlány
33.	2011.01.29	18:40:49.9	47.456	18.360	9.4	0.2	Oroszlány
34.	2011.01.29	18:45:57.9	47.441	18.371	7.6	-0.1	Oroszlány
35.	2011.01.29	18:55:21.0	47.320	18.460	5.0	-0.1	Pátka
36.	2011.01.29	18:58:57.4	47.455	18.358	9.0	0.0	Oroszlány
37.	2011.01.29	19:02:17.2	47.439	18.359	7.3	0.0	Oroszlány
38.	2011.01.29	19:08:49.9	47.447	18.370	8.5	0.5	Oroszlány
39.	2011.01.29	19:10:35.7	47.487	18.350	5.9	0.3	Oroszlány
40.	2011.01.29	19:15:04.8	47.439	18.365	9.9	-0.1	Oroszlány
41.	2011.01.29	19:33:02.9	47.280	18.497	0.0	0.2	Pátka
42.	2011.01.29	19:36:41.3	47.451	18.358	8.7	0.1	Oroszlány
43.	2011.01.29	19:40:02.2	47.472	18.364	8.2	1.0	Oroszlány
44.	2011.01.29	19:40:18.5	47.381	18.240	14.6	0.2	Mór
45.	2011.01.29	19:52:13.7	47.303	18.474	0.1	-0.1	Pátka
46.	2011.01.29	19:57:54.0	47.441	18.353	8.8	0.5	Oroszlány
47.	2011.01.29	20:20:40.4	47.447	18.368	9.2	0.0	Oroszlány
48.	2011.01.29	20:32:22.4	47.312	18.459	0.0	-0.1	Pátka
49.	2011.01.29	20:42:20.9	47.442	18.355	7.8	0.5	Oroszlány
50.	2011.01.29	20:43:01.5	47.415	18.395	10.9	0.0	Gánt

	Date	Time	Lat. ($^{\circ}$ N)	Lon. ($^{\circ}$ E)	Depth (km)	Magnitude	Locality
51.	2011.01.29	20:48:31.8	47.456	18.363	10.0	0.0	Oroszlány
52.	2011.01.29	20:51:06.9	47.446	18.364	8.2	1.3	Oroszlány
53.	2011.01.29	20:52:46.8	47.451	18.363	9.2	0.9	Oroszlány
54.	2011.01.29	21:06:26.8	47.450	18.360	8.3	0.7	Oroszlány
55.	2011.01.29	21:15:37.7	47.390	18.401	10.6	0.3	Gánt
56.	2011.01.29	21:39:32.3	47.319	18.424	6.9	-0.3	Zámoly
57.	2011.01.29	22:31:07.2	47.313	18.486	0.0	-0.1	Pátka
58.	2011.01.29	23:00:51.2	47.447	18.367	9.6	-0.1	Oroszlány
59.	2011.01.29	23:02:05.0	47.448	18.361	9.6	0.3	Oroszlány
60.	2011.01.29	23:04:10.5	47.316	18.463	5.0	-0.1	Pátka
61.	2011.01.29	23:12:51.7	47.437	18.364	10.0	0.0	Oroszlány
62.	2011.01.29	23:36:48.7	47.453	18.358	8.6	0.4	Oroszlány
63.	2011.01.29	23:50:30.1	47.443	18.361	8.9	0.4	Oroszlány
64.	2011.01.30	00:03:01.7	47.456	18.359	8.5	-0.2	Oroszlány
65.	2011.01.30	00:19:11.9	47.441	18.355	8.4	1.4	Oroszlány
66.	2011.01.30	00:31:09.0	47.414	18.349	6.9	1.1	Gánt
67.	2011.01.30	00:33:33.8	47.434	18.380	10.4	0.1	Várgesztes
68.	2011.01.30	00:45:09.8	47.446	18.359	8.7	0.1	Oroszlány
69.	2011.01.30	00:57:33.9	47.453	18.375	10.0	0.2	Várgesztes
70.	2011.01.30	01:27:49.9	47.444	18.362	8.2	0.4	Oroszlány
71.	2011.01.30	01:32:50.3	47.455	18.363	9.0	0.0	Oroszlány
72.	2011.01.30	01:35:13.0	47.451	18.354	8.2	0.6	Oroszlány
73.	2011.01.30	01:43:32.1	47.456	18.366	9.0	0.1	Oroszlány
74.	2011.01.30	02:07:39.0	47.453	18.376	8.7	-0.4	Várgesztes
75.	2011.01.30	02:32:39.4	47.450	18.364	8.9	0.2	Oroszlány
76.	2011.01.30	02:33:34.8	47.482	18.344	4.4	0.1	Oroszlány
77.	2011.01.30	02:39:27.0	47.445	18.374	8.8	0.0	Várgesztes
78.	2011.01.30	03:30:05.0	47.433	18.393	10.0	-0.1	Várgesztes
79.	2011.01.30	04:41:19.5	47.444	18.351	8.2	0.7	Oroszlány
80.	2011.01.30	05:12:09.1	47.451	18.376	9.7	-0.2	Várgesztes
81.	2011.01.30	06:29:15.4	47.450	18.370	8.6	0.1	Oroszlány
82.	2011.01.30	06:29:37.6	47.452	18.380	8.6	0.2	Várgesztes
83.	2011.01.30	06:32:08.8	47.455	18.370	9.0	0.2	Oroszlány
84.	2011.01.30	07:08:46.0	47.456	18.366	8.3	0.1	Oroszlány
85.	2011.01.30	08:36:24.1	47.454	18.358	8.1	0.4	Oroszlány
86.	2011.01.30	08:56:12.2	47.453	18.376	9.3	0.3	Várgesztes
87.	2011.01.30	09:27:58.1	47.429	18.392	10.0	0.0	Gánt
88.	2011.01.30	10:34:24.9	47.453	18.356	8.6	1.0	Oroszlány
89.	2011.01.30	10:53:30.0	47.317	18.474	4.9	0.1	Pátka
90.	2011.01.30	12:08:10.1	47.430	18.379	10.0	0.0	Gánt
91.	2011.01.30	13:22:07.3	47.459	18.362	7.9	0.4	Oroszlány
92.	2011.01.30	13:34:28.9	47.459	18.353	7.6	2.0	Oroszlány
93.	2011.01.30	14:47:24.0	47.443	18.364	8.0	0.5	Oroszlány
94.	2011.01.30	16:09:54.3	47.410	18.188	12.5	0.2	Pusztavám
95.	2011.01.30	16:51:26.0	47.415	18.378	10.0	0.0	Gánt
96.	2011.01.30	19:30:04.4	47.431	18.391	10.0	-0.3	Gánt
97.	2011.01.30	20:49:56.1	47.431	18.375	10.0	-0.3	Gánt
98.	2011.01.30	20:58:45.6	47.480	18.340	7.0	2.7	Oroszlány
99.	2011.01.30	21:09:04.1	47.452	18.365	10.0	0.0	Oroszlány
100.	2011.01.30	21:11:39.3	47.441	18.359	9.1	0.7	Oroszlány
101.	2011.01.30	21:14:54.0	47.321	18.474	5.0	0.0	Pátka
102.	2011.01.30	21:21:33.7	47.457	18.357	8.5	0.3	Oroszlány

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
103.	2011.01.30	21:22:25.2	47.468	18.367	10.0	-0.2	Oroszlány
104.	2011.01.30	21:26:12.5	47.321	18.467	5.0	0.1	Pátka
105.	2011.01.30	21:43:28.3	47.460	18.375	10.0	-0.1	Várgesztes
106.	2011.01.30	21:57:39.6	47.445	18.367	8.8	0.7	Oroszlány
107.	2011.01.30	22:12:27.7	47.445	18.370	9.1	0.2	Oroszlány
108.	2011.01.30	22:16:31.2	47.473	18.361	7.4	0.3	Oroszlány
109.	2011.01.30	22:25:34.3	47.419	18.395	10.0	-0.4	Gánt
110.	2011.01.30	23:51:54.6	47.420	18.393	10.0	-0.1	Gánt
111.	2011.01.31	00:23:02.1	47.454	18.379	10.0	-0.1	Várgesztes
112.	2011.01.31	00:25:28.5	47.492	18.340	8.2	2.4	Oroszlány
113.	2011.01.31	00:28:25.5	47.449	18.372	10.0	-0.5	Oroszlány
114.	2011.01.31	00:31:27.9	47.424	18.380	10.2	0.1	Gánt
115.	2011.01.31	00:47:23.9	47.439	18.372	10.0	-0.5	Oroszlány
116.	2011.01.31	01:10:38.8	47.441	18.376	10.0	-0.1	Várgesztes
117.	2011.01.31	01:37:57.2	47.437	18.374	10.0	0.6	Oroszlány
118.	2011.01.31	02:15:51.3	47.344	18.450	10.0	0.0	Zámoly
119.	2011.01.31	03:16:41.7	47.444	18.380	10.0	0.1	Várgesztes
120.	2011.01.31	04:20:18.6	47.435	18.384	10.0	0.1	Várgesztes
121.	2011.01.31	06:58:58.7	47.327	18.467	5.0	0.4	Lovasberény
122.	2011.01.31	07:08:16.1	47.357	18.424	10.0	0.1	Gánt
123.	2011.01.31	07:12:40.0	47.324	18.464	5.0	0.1	Pátka
124.	2011.01.31	07:13:57.4	47.447	18.372	10.0	0.2	Oroszlány
125.	2011.01.31	08:53:17.6	47.386	18.416	0.0	1.2	Gánt
126.	2011.01.31	09:00:28.8	47.363	18.368	0.0	1.0	Gánt
127.	2011.01.31	09:00:38.9	47.386	18.404	0.0	1.3	Gánt
128.	2011.01.31	10:05:39.4	47.451	18.355	8.3	1.2	Oroszlány
129.	2011.01.31	13:24:57.4	47.446	18.378	10.5	0.2	Várgesztes
130.	2011.01.31	13:25:49.8	47.452	18.354	8.4	0.9	Oroszlány
131.	2011.01.31	22:55:45.2	47.354	18.436	10.0	0.0	Gánt
132.	2011.02.01	00:15:44.7	47.413	18.345	4.4	0.4	Gánt
133.	2011.02.01	00:45:39.3	47.444	18.365	13.7	0.3	Oroszlány
134.	2011.02.01	01:26:59.9	47.486	18.338	0.0	-0.2	Oroszlány
135.	2011.02.01	01:54:12.6	47.477	18.334	0.1	-0.7	Oroszlány
136.	2011.02.01	02:02:44.8	47.456	18.358	7.7	0.4	Oroszlány
137.	2011.02.01	02:09:42.6	47.506	18.347	0.0	-0.1	Vértessomló
138.	2011.02.01	02:37:02.5	47.480	18.332	0.2	-0.1	Oroszlány
139.	2011.02.01	02:55:51.5	47.363	18.264	10.2	-0.5	Csókakó
140.	2011.02.01	03:33:20.2	47.437	18.367	9.5	0.0	Oroszlány
141.	2011.02.01	03:40:53.7	47.450	18.371	8.6	-0.2	Oroszlány
142.	2011.02.01	04:16:11.9	47.449	18.369	8.5	0.1	Oroszlány
143.	2011.02.01	10:54:09.6	47.412	18.235	0.5	0.4	Pusztavám
144.	2011.02.01	17:44:39.4	47.471	18.366	6.8	0.2	Oroszlány
145.	2011.02.02	00:27:51.8	47.476	18.369	8.5	0.2	Várgesztes
146.	2011.02.02	01:46:10.0	47.468	18.359	7.3	0.6	Oroszlány
147.	2011.02.02	02:04:56.0	47.467	18.343	5.4	0.5	Oroszlány
148.	2011.02.02	03:30:03.9	47.473	18.371	9.0	1.1	Várgesztes
149.	2011.02.02	03:41:06.3	47.467	18.369	7.3	0.3	Oroszlány
150.	2011.02.02	03:42:24.3	47.463	18.371	8.2	0.2	Várgesztes
151.	2011.02.02	03:54:10.2	47.470	18.364	7.6	0.5	Oroszlány
152.	2011.02.02	06:16:45.9	47.468	18.358	6.5	0.0	Oroszlány
153.	2011.02.02	08:21:08.3	47.468	18.361	7.4	0.4	Oroszlány
154.	2011.02.02	08:52:12.7	47.467	18.470	0.1	0.2	Bodmér

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
155.	2011.02.02	11:29:31.1	47.468	18.363	7.2	1.4	Oroszlány
156.	2011.02.02	16:25:19.5	47.466	18.357	6.6	0.4	Oroszlány
157.	2011.02.03	01:46:00.7	47.468	18.357	6.2	-0.2	Oroszlány
158.	2011.02.03	02:45:17.8	47.482	18.363	6.9	-0.1	Oroszlány
159.	2011.02.03	03:59:58.7	47.468	18.375	8.2	0.1	Várgesztes
160.	2011.02.03	04:42:37.7	47.470	18.351	6.8	-0.3	Oroszlány
161.	2011.02.03	04:48:53.8	47.470	18.353	6.4	0.0	Oroszlány
162.	2011.02.03	08:47:42.0	47.458	18.354	6.4	0.5	Oroszlány
163.	2011.02.04	04:21:55.8	47.467	18.354	6.0	0.1	Oroszlány
164.	2011.02.04	05:37:58.6	47.467	18.376	7.8	0.1	Várgesztes
165.	2011.02.04	13:11:10.6	47.382	18.239	3.5	0.9	Mór
166.	2011.02.04	14:23:20.7	47.462	18.361	8.0	1.0	Oroszlány
167.	2011.02.04	14:58:25.4	47.471	18.372	7.7	0.1	Várgesztes
168.	2011.02.05	00:16:56.0	47.468	18.369	6.1	-0.2	Oroszlány
169.	2011.02.05	10:39:35.6	47.399	18.200	0.6	0.5	Mór
170.	2011.02.05	11:08:36.2	47.479	18.318	6.3	1.4	Oroszlány
171.	2011.02.06	12:45:24.1	47.464	18.365	7.1	1.1	Oroszlány
172.	2011.02.06	21:12:19.1	47.471	18.369	7.0	0.0	Várgesztes
173.	2011.02.06	21:59:16.4	47.465	18.362	7.1	-0.1	Oroszlány
174.	2011.02.07	09:40:44.1	47.719	18.696	10.0	0.8	Tokod
175.	2011.02.08	04:26:48.5	47.461	18.367	7.7	0.6	Oroszlány
176.	2011.02.09	01:28:53.4	47.462	18.369	7.1	1.1	Oroszlány
177.	2011.02.09	05:44:50.5	47.467	18.358	10.0	0.4	Oroszlány
178.	2011.02.09	11:06:52.4	47.500	17.947	5.6	0.7	Kerékteleki
179.	2011.02.09	21:02:26.0	47.466	18.371	8.0	0.5	Várgesztes
180.	2011.02.10	05:02:59.3	47.470	18.349	5.8	-0.4	Oroszlány
181.	2011.02.10	12:41:07.1	47.469	18.307	0.0	0.0	Oroszlány
182.	2011.02.10	13:44:57.5	47.582	18.453	7.7	1.0	Tatabánya
183.	2011.02.10	20:18:34.1	47.461	18.368	8.3	0.3	Oroszlány
184.	2011.02.11	05:03:12.7	47.468	18.374	6.6	-0.2	Várgesztes
185.	2011.02.11	06:07:23.6	47.472	18.409	5.7	-0.1	Várgesztes
186.	2011.02.12	02:29:32.3	47.472	18.369	9.2	0.3	Várgesztes
187.	2011.02.13	23:24:48.6	47.464	18.368	10.0	0.1	Oroszlány
188.	2011.02.13	23:39:01.7	47.463	18.380	7.3	0.1	Várgesztes
189.	2011.02.14	08:17:43.5	47.387	18.421	0.0	0.7	Gánt
190.	2011.02.14	08:18:11.2	47.367	18.423	0.0	1.2	Gánt
191.	2011.02.14	10:28:38.0	48.027	19.623	0.0	1.1	Nagylóc
192.	2011.02.15	01:56:29.3	47.470	18.369	8.3	0.4	Oroszlány
193.	2011.02.15	02:57:34.9	47.466	18.368	0.2	-0.1	Oroszlány
194.	2011.02.15	09:02:38.3	47.466	18.365	7.1	0.8	Oroszlány
195.	2011.02.16	05:15:08.5	47.465	18.359	6.4	0.2	Oroszlány
196.	2011.02.16	20:29:09.9	47.458	18.351	6.0	1.6	Oroszlány
197.	2011.02.16	21:48:40.5	47.468	18.376	8.7	1.8	Várgesztes
198.	2011.02.16	22:25:02.9	47.464	18.367	7.0	1.6	Oroszlány
199.	2011.02.17	22:44:56.6	47.471	18.400	13.8	-0.4	Várgesztes
200.	2011.02.18	02:00:05.5	47.468	18.357	8.5	0.4	Oroszlány
201.	2011.02.18	14:42:16.3	47.468	18.358	6.3	0.3	Oroszlány
202.	2011.02.18	20:47:38.8	47.467	18.353	5.1	-0.1	Oroszlány
203.	2011.02.18	21:43:02.8	47.460	18.365	6.8	0.8	Oroszlány
204.	2011.02.18	22:55:48.9	47.464	18.372	8.7	0.4	Várgesztes
205.	2011.02.18	22:58:04.6	47.465	18.368	7.7	1.0	Oroszlány
206.	2011.02.19	02:51:53.3	47.470	18.380	4.7	-0.3	Várgesztes

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
207.	2011.02.19	08:51:11.9	47.462	18.350	8.4	0.4	Oroszlány
208.	2011.02.20	08:53:57.8	47.834	19.145	10.0	1.3	Ósagárd
209.	2011.02.21	01:20:20.9	47.468	18.374	8.6	0.7	Várgesztes
210.	2011.02.21	04:52:42.7	47.370	18.271	10.0	0.0	Csókakő
211.	2011.02.22	00:31:30.6	47.766	16.194	10.0	1.5	Austria
212.	2011.02.22	07:22:37.7	47.465	18.268	0.3	-0.4	Bokod
213.	2011.02.23	01:40:21.4	47.472	18.384	5.5	-0.3	Várgesztes
214.	2011.02.23	04:16:13.4	47.466	18.365	8.2	0.6	Oroszlány
215.	2011.02.23	08:40:02.1	47.468	18.363	7.8	0.4	Oroszlány
216.	2011.02.23	09:24:01.8	47.360	18.392	0.0	1.2	Gánt
217.	2011.02.23	12:48:54.9	47.508	18.285	7.3	0.6	Kecskéd
218.	2011.02.23	16:50:25.1	47.461	18.367	6.8	1.6	Oroszlány
219.	2011.02.26	04:25:30.5	47.468	18.344	5.9	-0.4	Oroszlány
220.	2011.02.27	07:34:18.2	47.470	18.405	5.7	-0.5	Várgesztes
221.	2011.02.27	10:00:39.0	47.356	18.260	4.0	-0.1	Csókakő
222.	2011.02.27	17:39:07.0	47.387	18.177	5.9	0.1	Mór
223.	2011.02.28	04:21:07.6	47.464	18.353	10.0	0.2	Oroszlány
224.	2011.02.28	04:49:47.8	47.471	18.332	4.7	-0.4	Oroszlány
225.	2011.02.28	06:25:02.0	47.462	18.368	7.5	0.5	Oroszlány
226.	2011.02.28	07:02:44.0	47.461	18.367	8.2	0.8	Oroszlány
227.	2011.02.28	11:45:40.2	47.593	18.491	0.4	0.7	Tarján
228.	2011.03.01	09:01:19.4	47.364	18.399	0.0	1.2	Gánt
229.	2011.03.01	09:05:45.5	47.376	18.392	0.0	1.1	Gánt
230.	2011.03.01	14:04:46.0	47.469	18.355	6.2	0.2	Oroszlány
231.	2011.03.02	15:35:01.5	47.357	18.284	5.8	0.6	Csókakő
232.	2011.03.03	06:29:13.0	47.477	18.325	10.0	-0.1	Oroszlány
233.	2011.03.03	08:49:15.1	48.389	19.819	7.3	1.7	Slovakia
234.	2011.03.03	09:31:14.8	47.637	18.025	17.1	1.1	Bábolna
235.	2011.03.03	12:02:34.2	47.572	18.460	5.5	0.9	Tatabánya
236.	2011.03.04	19:58:11.9	47.471	18.348	5.8	0.2	Oroszlány
237.	2011.03.04	22:40:08.2	47.474	18.353	7.5	-0.1	Oroszlány
238.	2011.03.05	07:51:28.5	47.470	18.367	10.0	0.0	Oroszlány
239.	2011.03.05	10:33:58.1	47.476	18.353	8.4	-0.2	Oroszlány
240.	2011.03.05	14:31:44.0	48.023	19.607	10.0	1.1	Nagylóc
241.	2011.03.05	16:28:06.8	47.414	18.203	7.9	0.3	Pusztavám
242.	2011.03.05	20:28:04.9	47.347	18.226	7.0	0.4	Mór
243.	2011.03.05	22:31:37.2	47.382	18.221	10.0	-0.1	Mór
244.	2011.03.06	17:50:17.0	47.171	18.326	2.1	0.2	Székesfehérvár
245.	2011.03.07	02:48:17.0	47.470	18.362	6.2	-0.4	Oroszlány
246.	2011.03.07	16:13:44.2	47.471	18.357	5.7	0.0	Oroszlány
247.	2011.03.07	19:31:44.5	47.374	18.370	1.6	0.0	Gánt
248.	2011.03.07	22:26:25.8	47.471	18.367	5.5	-0.4	Oroszlány
249.	2011.03.08	09:11:06.7	47.367	18.390	0.0	1.2	Gánt
250.	2011.03.08	09:13:54.0	47.362	18.379	0.0	0.8	Gánt
251.	2011.03.08	13:04:31.9	47.453	18.351	8.2	0.5	Oroszlány
252.	2011.03.10	01:06:56.7	47.456	18.367	10.0	0.7	Oroszlány
253.	2011.03.10	13:03:56.7	47.588	18.425	0.0	0.9	Tatabánya
254.	2011.03.10	21:40:31.9	47.457	18.353	8.0	0.1	Oroszlány
255.	2011.03.11	01:45:23.5	47.454	18.306	10.0	2.3	Oroszlány
256.	2011.03.11	01:49:39.5	47.459	18.354	8.1	0.3	Oroszlány
257.	2011.03.11	04:16:58.7	47.453	18.365	8.6	0.2	Oroszlány
258.	2011.03.11	09:06:28.2	47.376	18.073	10.0	0.7	Súr

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
259.	2011.03.11	15:34:52.9	47.500	18.362	6.6	0.9	Vértessomló
260.	2011.03.11	18:52:33.7	47.451	18.368	10.0	0.1	Oroszlány
261.	2011.03.12	02:42:01.4	47.438	18.371	12.1	1.0	Oroszlány
262.	2011.03.12	05:47:01.9	47.566	19.404	10.0	1.7	Isaszeg
263.	2011.03.12	07:41:00.9	47.350	18.285	2.3	0.3	Csákberény
264.	2011.03.12	15:04:33.0	47.426	18.189	5.2	0.5	Pusztavám
265.	2011.03.13	04:20:45.6	47.415	18.201	4.6	0.0	Pusztavám
266.	2011.03.13	22:56:49.0	47.672	18.123	6.5	1.0	Kisigmánd
267.	2011.03.14	00:16:08.2	47.350	18.152	10.0	-0.1	Nagyveleg
268.	2011.03.16	00:49:24.8	47.461	18.375	8.6	-0.1	Várgesztes
269.	2011.03.17	05:57:17.7	47.402	18.237	0.8	1.1	Pusztavám
270.	2011.03.17	10:50:27.2	48.379	19.827	0.0	1.8	Slovakia
271.	2011.03.17	13:05:21.8	47.386	18.255	3.2	0.8	Mór
272.	2011.03.18	18:56:26.7	47.468	18.365	9.2	0.9	Oroszlány
273.	2011.03.19	17:57:51.2	47.361	18.240	2.6	-0.1	Mór
274.	2011.03.20	05:27:04.3	47.386	18.251	2.8	0.4	Mór
275.	2011.03.20	20:39:47.6	47.469	18.345	6.6	-0.4	Oroszlány
276.	2011.03.20	22:39:07.3	47.467	18.355	6.5	0.0	Oroszlány
277.	2011.03.21	08:34:06.1	47.437	18.380	0.0	1.1	Várgesztes
278.	2011.03.21	08:40:52.3	47.453	18.320	0.0	1.0	Oroszlány
279.	2011.03.21	10:27:27.8	48.029	19.608	0.0	1.0	Nagylóc
280.	2011.03.24	01:16:47.1	47.500	18.347	0.1	0.0	Vértessomló
281.	2011.03.24	11:15:35.4	47.498	18.350	0.4	0.5	Vértessomló
282.	2011.03.25	09:54:44.5	47.462	18.329	0.0	1.0	Oroszlány
283.	2011.03.25	10:02:03.0	47.443	18.373	0.0	1.0	Oroszlány
284.	2011.03.25	11:20:10.4	47.450	18.081	10.0	0.6	Bakonysárkány
285.	2011.03.25	15:12:25.0	45.601	22.805	2.2	3.4	Romania
286.	2011.03.25	19:44:59.6	47.424	18.029	13.5	0.6	Aka
287.	2011.03.26	06:48:58.1	47.487	18.343	0.2	0.0	Oroszlány
288.	2011.03.26	06:58:33.9	47.489	18.343	1.3	0.6	Oroszlány
289.	2011.03.26	06:59:02.5	47.465	18.361	8.6	1.1	Oroszlány
290.	2011.03.30	00:11:19.9	47.453	18.379	10.0	-0.1	Várgesztes
291.	2011.03.30	00:25:00.4	47.493	18.349	4.7	-0.5	Oroszlány
292.	2011.03.30	01:50:24.0	47.308	18.033	10.0	0.0	Szápár
293.	2011.03.30	08:48:09.2	47.365	18.448	0.0	1.4	Gánt
294.	2011.03.31	21:48:25.6	47.488	18.342	0.4	-0.1	Oroszlány
295.	2011.03.31	23:12:25.5	47.485	18.341	0.1	-0.3	Oroszlány
296.	2011.04.01	09:51:38.5	47.405	18.069	14.0	0.5	Aka
297.	2011.04.01	10:23:31.2	47.471	18.364	8.1	0.6	Oroszlány
298.	2011.04.01	20:40:08.7	47.454	18.220	4.3	-0.2	Bokod
299.	2011.04.01	20:40:24.6	47.454	18.211	9.1	0.1	Bokod
300.	2011.04.01	20:53:16.0	47.449	18.230	6.1	-0.2	Pusztavám
301.	2011.04.02	23:29:40.0	47.470	18.371	7.5	-0.2	Várgesztes
302.	2011.04.03	00:10:40.0	47.470	18.368	7.4	-0.4	Oroszlány
303.	2011.04.03	02:53:01.6	47.472	18.368	7.5	-0.5	Oroszlány
304.	2011.04.03	03:41:32.6	47.471	18.375	7.2	-0.4	Várgesztes
305.	2011.04.03	16:32:25.4	47.469	18.358	5.8	0.5	Oroszlány
306.	2011.04.03	23:14:20.7	47.469	18.363	6.3	0.4	Oroszlány
307.	2011.04.04	00:32:09.6	47.471	18.366	6.2	-0.3	Oroszlány
308.	2011.04.04	03:06:41.0	47.471	18.355	6.2	0.1	Oroszlány
309.	2011.04.04	07:59:28.0	47.355	18.400	0.0	1.0	Gánt
310.	2011.04.04	08:12:21.4	47.339	18.490	0.0	0.8	Lovasberény

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
311.	2011.04.04	08:12:36.4	47.347	18.419	0.0	1.2	Zámoly
312.	2011.04.05	06:21:07.0	47.234	18.341	0.9	0.4	Moha
313.	2011.04.05	23:41:31.6	47.475	18.392	8.6	1.3	Várgesztes
314.	2011.04.07	00:09:34.4	47.382	18.210	5.5	-0.2	Mór
315.	2011.04.07	00:30:02.7	47.337	18.151	7.9	0.2	Nagyveleg
316.	2011.04.08	09:20:13.4	47.333	18.400	0.0	1.7	Zámoly
317.	2011.04.10	00:31:07.4	47.470	18.355	5.8	-0.4	Oroszlány
318.	2011.04.11	04:29:30.0	47.346	18.261	5.0	0.6	Csókakő
319.	2011.04.12	06:51:08.7	46.051	16.796	12.1	3.0	Croatia
320.	2011.04.12	11:37:19.8	47.565	18.459	6.2	–	Tatabánya
321.	2011.04.14	10:41:26.1	48.536	20.326	0.0	1.7	Slovakia
322.	2011.04.16	11:58:53.4	47.359	18.087	10.0	0.8	Nagyveleg
323.	2011.04.17	11:43:33.6	47.387	18.224	9.4	-0.1	Mór
324.	2011.04.18	11:26:59.8	47.563	18.459	0.0	0.7	Tatabánya
325.	2011.04.20	09:54:56.8	47.455	18.076	10.0	0.3	Bakonysárkány
326.	2011.04.22	17:07:35.6	48.057	19.670	0.0	0.6	Sóshartyán
327.	2011.04.23	04:36:21.9	47.480	18.352	10.0	2.2	Oroszlány
328.	2011.04.24	17:03:23.1	47.486	18.324	8.6	1.7	Oroszlány
329.	2011.04.25	05:55:00.3	47.468	18.354	6.3	0.6	Oroszlány
330.	2011.05.11	10:08:37.6	48.354	19.059	7.4	2.0	Slovakia
331.	2011.05.17	08:14:28.6	48.367	19.059	0.0	1.5	Slovakia
332.	2011.05.17	15:06:48.0	48.909	21.040	0.0	1.8	Slovakia
333.	2011.05.20	09:08:08.8	47.531	19.913	10.0	2.3	Jászfákóhalma
334.	2011.05.20	13:22:34.5	48.346	19.822	0.0	2.0	Slovakia
335.	2011.05.20	14:35:03.3	47.502	18.332	10.0	1.8	Kecskéd
336.	2011.06.03	07:48:31.1	48.357	19.840	0.0	1.5	Slovakia
337.	2011.06.06	21:55:08.7	48.128	20.359	10.0	1.4	Bükkmogyorósd
338.	2011.06.09	08:53:29.3	48.043	19.574	0.0	1.3	Nagylóc
339.	2011.06.13	08:37:59.3	48.252	18.898	0.0	1.3	Slovakia
340.	2011.06.16	08:32:26.1	48.377	19.824	0.0	2.0	Slovakia
341.	2011.06.18	02:12:21.5	45.798	21.456	10.0	2.3	Romania
342.	2011.06.18	03:47:34.0	47.573	19.983	12.2	1.4	Jászdózsza
343.	2011.07.06	08:17:19.9	48.622	20.747	4.8	1.6	Slovakia
344.	2011.07.06	09:38:28.8	48.931	20.711	6.7	1.9	Slovakia
345.	2011.07.07	12:05:53.1	48.228	21.274	0.0	1.6	Tállya
346.	2011.07.08	21:40:25.2	47.295	17.895	7.2	1.5	Nagyesztergár
347.	2011.07.11	06:05:59.4	47.536	18.342	0.3	3.5	Környe
348.	2011.07.13	21:53:10.1	46.561	21.132	10.0	2.1	Szabadkígyós
349.	2011.07.25	02:44:52.1	45.590	18.139	0.2	2.8	Croatia
350.	2011.07.26	05:52:26.5	47.915	19.887	5.4	0.8	Mátraszentimre
351.	2011.07.26	20:43:34.0	47.556	22.317	0.7	2.3	Romania
352.	2011.07.27	05:42:36.9	48.199	21.190	0.4	2.0	Ond
353.	2011.07.27	11:23:26.2	47.439	18.405	6.0	2.3	Várgesztes
354.	2011.07.27	12:49:09.1	47.443	18.381	10.0	2.1	Várgesztes
355.	2011.07.29	13:37:27.9	47.435	18.387	10.0	1.7	Várgesztes
356.	2011.08.01	22:08:45.5	47.218	17.664	4.2	1.8	Németbánya
357.	2011.08.03	07:58:45.2	48.384	19.827	0.0	1.9	Slovakia
358.	2011.08.04	00:54:51.0	47.582	22.311	0.7	2.0	Romania
359.	2011.08.04	08:52:52.3	48.570	20.415	0.0	1.4	Slovakia
360.	2011.08.05	03:02:49.4	46.168	16.476	12.7	2.3	Croatia
361.	2011.08.15	14:22:46.0	47.738	16.133	7.7	2.2	Austria
362.	2011.08.18	08:31:16.1	48.352	19.832	0.0	1.8	Slovakia

	Date	Time	Lat. (°N)	Lon. (°E)	Depth (km)	Magnitude	Locality
363.	2011.09.02	08:44:32.3	48.626	20.741	0.0	1.5	Slovakia
364.	2011.09.03	07:30:31.8	46.618	18.717	6.7	2.7	Pusztahencse
365.	2011.09.07	22:38:20.7	47.830	19.568	1.5	2.3	Kisbágyon
366.	2011.09.22	09:15:46.6	48.384	19.833	0.0	1.8	Slovakia
367.	2011.09.26	11:30:13.0	48.041	19.639	0.0	0.9	Sóshartyán
368.	2011.09.29	12:46:03.7	47.245	22.774	0.4	1.8	Romania
369.	2011.10.12	08:48:43.3	48.374	19.831	0.0	2.2	Slovakia
370.	2011.10.12	15:15:07.9	46.664	21.317	5.0	2.5	Gyula
371.	2011.10.12	20:20:54.9	46.023	16.216	10.0	2.3	Croatia
372.	2011.10.17	13:52:38.4	45.811	17.341	10.0	2.5	Croatia
373.	2011.10.21	15:58:40.7	48.529	17.277	0.9	2.3	Slovakia
374.	2011.10.23	02:22:11.5	45.543	16.092	4.1	2.1	Croatia
375.	2011.10.27	19:43:56.6	46.186	16.685	6.2	1.7	Croatia
376.	2011.10.28	09:25:51.8	47.898	20.092	13.8	1.3	Parád
377.	2011.10.31	14:54:16.6	47.740	16.158	1.8	2.6	Austria
378.	2011.11.01	23:56:33.8	47.716	17.433	10.0	3.5	Mosonszentmiklós
379.	2011.11.02	02:16:41.4	47.713	17.482	20.4	1.3	Öttevény
380.	2011.11.02	10:17:58.5	48.414	19.026	0.0	1.7	Slovakia
381.	2011.11.13	02:14:28.0	47.315	18.091	10.0	1.1	Bakonycsernye
382.	2011.11.13	19:03:08.0	46.398	19.925	1.7	2.0	Forráskút
383.	2011.11.18	00:30:37.5	47.872	17.921	1.0	1.3	Slovakia
384.	2011.11.23	03:18:47.6	47.445	18.344	10.0	1.8	Oroszlány
385.	2011.11.25	12:18:10.4	47.980	19.910	0.0	1.1	Szuha
386.	2011.11.27	06:54:33.3	47.939	19.307	0.9	1.2	Kisecset
387.	2011.11.28	11:46:26.4	47.289	18.775	10.0	1.3	Baracska
388.	2011.12.04	09:19:33.0	48.175	19.883	0.0	1.2	Salgóbánya
389.	2011.12.06	22:48:06.3	47.757	16.174	7.5	1.9	Austria
390.	2011.12.07	17:53:08.1	47.780	16.146	6.3	0.7	Austria
391.	2011.12.09	12:48:11.2	48.363	19.853	0.0	2.3	Slovakia
392.	2011.12.18	10:27:28.6	47.709	17.525	25.7	1.3	Abda
393.	2011.12.28	09:20:30.0	48.036	19.595	10.0	1.0	Nagylóc

January 04 2011 Hour: 01:25:49.6 Lat: 47.356°N Lon: 18.265°E Depth: 4.1 km
Magnitude: 0.3ML Rms: 0.14 s Gap: 137° Erh: 2.6 km Erz: 2.0 km
Locality: Csókakő Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		0	338	E Pg	C	125	50.50	0.10							
CSKK		0	338	E Sg		125	50.90	-0.08							
PKST		20	238	E Pg	D	125	53.20	-0.18							
PKST		20	238	E Sg		125	56.40	0.11							
SUKH		29	115	E Pg	D	125	55.10	0.15							
SUKH		29	115	E Sg		125	58.90	-0.19							

January 12 2011 Hour: 07:22:44.3 Lat: 47.307°N Lon: 18.359°E Depth: 0.0 km
Magnitude: 0.6ML Rms: 0.29 s Gap: 160° Erh: 3.2 km Erz: 501 km
Locality: Zámoly Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		9	310	E Pg		722	45.80	-0.24							
CSKK		9	310	E Sg		722	47.80	0.40							
SUKH		20	110	E Pg	C	722	47.90	-0.11							
SUKH		20	110	E Sg		722	51.50	0.60							
PKST		25	258	E Pg	D	722	48.80	0.00							
PKST		25	258	E Sg		722	54.40	2.10							

January 12 2011 Hour: 07:23:00.3 Lat: 47.420°N Lon: 18.419°E Depth: 0.0 km
Magnitude: 0.8ML Rms: 0.35 s Gap: 261° Erh: 5.6 km Erz: 590 km
Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		13	242	E Pg	C	723	02.40	-0.30							
CSKK		13	242	E Sg		723	04.30	-0.29							
SUKH		24	143	E Pg	C	723	04.60	-0.10							
SUKH		24	143	E Sg		723	08.40	0.25							
PKST		34	238	E Pg		723	07.10	0.72							
PKST		34	238	E Sg		723	11.10	-0.04							

January 12 2011 Hour: 12:07:10.7 Lat: 47.370°N Lon: 18.314°E Depth: 7.8 km
Magnitude: 1.4ML Rms: 0.32 s Gap: 223° Erh: 5.4 km Erz: 3.7 km
Locality: Csákberény Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		4	259	E Pg	D	1207	12.30	0.00							
CSKK		4	259	E Sg		1207	13.60	0.07							
PKST		24	240	E Pg	D	1207	15.00	-0.31							
PKST		24	240	E Sg		1207	19.00	0.11							
SUKH		26	122	E Pg	D	1207	16.20	0.48							
SUKH		26	122	E Sg		1207	19.10	-0.53							

January 15 2011 Hour: 18:25:17.6 Lat: 47.346°N Lon: 18.087°E Depth: 8.7 km
Magnitude: 0.5ML Rms: 0.00 s Gap: 239° Erh: — km Erz: — km
Locality: Bakonycsérnye Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKST		10	202	E Pg	C	1825	20.00	0.00							
PKST		10	202	E Sg		1825	21.90	0.00							
CSKK		13	82	E Pg	C	1825	20.40	0.00							
CSKK		13	82	E Sg		1825	22.60	0.00							
SUKH		41	106	E Sg		1825	31.10	0.00							

January 17 2011 Hour: 08:08:00.5 Lat: 47.424°N Lon: 18.428°E Depth: 0.0 km
Magnitude: 0.6ML Rms: 0.33 s Gap: 263° Erh: 5.7 km Erz: 577 km
Locality: Csákvár Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		14	242	E Pg	C	808	03.00	-0.10							
CSKK		14	242	E Sg		808	04.60	-0.50							
SUKH		24	145	E Pg	C	808	05.20	0.26							
SUKH		24	145	E Sg		808	08.10	-0.28							
PKST		35	238	E Pg	C	808	06.70	-0.08							
PKST		35	238	E Sg		808	12.50	0.85							

January 17 2011 Hour: 08:15:23.4 Lat: 47.322°N Lon: 18.361°E Depth: 0.0 km
Magnitude: 0.8ML Rms: 0.07 s Gap: 173° Erh: 1.1 km Erz: 132 km
Locality: Zámoly Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		8	301	E Pg	C	815	24.90	-0.04							
CSKK		8	301	E Sg		815	26.20	0.02							
SUKH		21	114	E Pg	C	815	27.10	-0.06							
SUKH		21	114	E Sg		815	30.30	0.18							
PKST		25	254	E Pg	C	815	28.00	0.06							

January 23 2011 Hour: 08:51:24.0 Lat: 47.401°N Lon: 18.188°E Depth: 11.6 km
Magnitude: 0.4ML Rms: 0.14 s Gap: 237° Erh: 1.5 km Erz: 1.1 km
Locality: Mór Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		6	127	E Pg	D	851	26.60	0.23							
CSKK		6	127	E Sg		851	28.30	0.06							
PKSG		15	94	E Pg	C	851	27.30	-0.10							
PKSG		15	94	E Sg		851	29.90	-0.17							
PKST		19	216	E Pg	D	851	27.90	-0.13							
PKST		19	216	E Sg		851	31.10	-0.10							
SUKH		36	118	E Pg	C	851	31.00	0.14							
SUKH		36	118	E Sg		851	36.20	-0.04							

January 24 2011 Hour: 01:56:57.9 Lat: 47.304°N Lon: 18.287°E Depth: 10.0 km
Magnitude: -0.2ML Rms: 0.13 s Gap: 217° Erh: 4.9 km Erz: 3.8 km
Locality: Söréd Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		6	343	E Pg	C	157	00.00	-0.05							
CSKK		6	343	E Sg		158	01.60	-0.14							
PKSG		12	39	E Pg	C	157	00.80	0.05							
PKSG		12	39	E Sg		157	03.10	0.12							
PKST		19	255	E Pg		157	01.70	-0.13							
PKST		19	255	E Sg		157	05.20	0.28							

January 26 2011 Hour: 09:16:38.8 Lat: 47.365°N Lon: 18.387°E Depth: 0.0 km
Magnitude: 0.8ML Rms: 0.25 s Gap: 122° Erh: 1.2 km Erz: 368 km
Locality: Gánt Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	6	E Pg	C	916	39.10	-0.20							
PKSG		3	6	E Sg		916	40.10	0.39							
CSKK		9	269	E Pg	C	916	40.40	-0.06							
CSKK		9	269	E Sg		916	42.10	0.31							
SUKH		22	128	E Pg	C	916	42.60	-0.11							
SUKH		22	128	E Sg		916	46.20	0.42							

CHAPTER 1. LOCAL EARTHQUAKES

PKST 29 246 E Sg 916 47.70 -0.32

January 26 2011 Hour: 09:16:52.0 Lat: 47.377°N Lon: 18.399°E Depth: 0.0 km
 Magnitude: 0.8ML Rms: 0.23 s Gap: 154° Erh: 1.5 km Erz: 354 km

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		1	338	E Pg		916	52.40	0.04							
CSKK		10	262	E Pg		916	53.80	-0.14							
CSKK		10	262	E Sg		916	55.70	0.29							
SUKH		22	132	E Pg	D	916	56.10	0.09							
SUKH		22	132	E Sg		916	59.20	0.09							
PKST		30	245	E Pg	D	916	57.10	-0.40							
PKST		30	245	E Sg		917	02.10	0.34							

January 26 2011 Hour: 20:23:22.6 Lat: 47.627°N Lon: 17.960°E Depth: 5.2 km
 Magnitude: 2.1ML Rms: 0.41 s Gap: 155° Erh: 1.8 km Erz: 1.8 km

Locality: Bábolna

Comments: felt 4 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		37	142	E Pg	D	2023	29.50	0.20							
CSKK		37	142	E Sg		2023	35.00	0.49							
PKST		41	172	E Pg	D	2023	30.00	-0.05							
PKST		41	172	E Sg		2023	36.40	0.56							
PKSG		41	129	E Pg	D	2023	30.40	0.29							
PKSG		41	129	E Sg		2023	36.30	0.34							
SUKH		65	131	E Pg	D	2023	34.40	0.07							
SUKH		65	131	E Sg		2023	42.90	-0.58							
BUD		81	101	E Pg	C	2023	37.20	-0.02							
BUD		81	101	E Sg		2023	48.20	-0.42							
SOP		105	273	E Pg	D	2023	40.90	-0.57							
PKS7		111	125	E Pg		2023	41.80	-0.71							
PKS7		111	125	E Sg		2023	57.70	-0.34							
PSZ		148	77	E Pn	D	2023	48.20	0.69							
PSZ		148	77	E Sn		2024	06.20	-0.73							
BEHE		157	215	E Pn		2023	52.10	3.54							
CONA		160	282	Pn		2023	48.90	-0.12							
CONA		160	282	Sn		2024	10.10	0.48							
PKSM		165	162	E Pn	D	2023	49.20	-0.44							
ARSA		188	257	Pn		2023	52.60	0.11							
ARSA		188	257	Sn		2024	17.50	1.70							
DPC		325	338	E Pn		2024	09.30	-0.30							
DPC		325	338	E Sn		2024	42.90	-3.34							
PRU		363	316	E Sn		2024	50.60	-3.99							
PRU		363	316	E Sn		2024	52.50	-2.50							

January 28 2011 Hour: 08:16:48.6 Lat: 47.213°N Lon: 18.195°E Depth: 1.4 km
 Magnitude: 0.3ML Rms: 0.10 s Gap: 209° Erh: — km Erz: — km

Locality: Bakonykúti

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKST		13	293	E Pg	C	816	50.90	-0.07							
CSKK		17	16	E Pg	D	816	51.70	-0.03							
SUKH		32	84	E Pg	C	816	54.50	0.17							
SUKH		32	84	E Sg		816	58.70	-0.11							

January 28 2011 Hour: 13:10:05.0 Lat: 47.617°N Lon: 18.473°E Depth: 6.6 km
 Magnitude: 1.1ML Rms: 0.21 s Gap: 316° Erh: 6.3 km Erz: 23.4 km
 Locality: Vértestolna Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		25	194	E Pg	D	1310	09.70	-0.08							
PKSG		25	194	E Sg		1310	13.70	0.22							
CSKK		32	210	E Pg	D	1310	10.80	-0.13							
CSKK		32	210	E Sg		1310	15.50	-0.04							
SUKH		43	165	E Pg	D	1310	13.10	0.30							
SUKH		43	165	E Sg		1310	18.50	-0.36							

January 29 2011 Hour: 17:41:38.2 Lat: 47.459°N Lon: 18.361°E Depth: 9.1 km
 Magnitude: 4.5ML Rms: 0.32 s Gap: 44° Erh: 1.3 km Erz: 0.9 km
 Locality: Oroszlány Comments: felt 6 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	163	E Pg	C	1741	40.40	0.06							
PKSG		7	163	E Sg		1741	41.40	-0.61							
CSKK		13	215	E Pg	D	1741	41.10	0.06							
CSKK		13	215	E Sg		1741	42.90	-0.36							
SUKH		30	141	E Pg	C	1741	44.10	0.16							
SUKH		30	141	E Sg		1741	48.70	0.28							
PKST		33	228	E Pg	D	1741	44.00	-0.34							
PKST		33	228	E Sg		1741	47.00	-2.14							
BUD		50	87	E Pg	C	1741	47.10	-0.18							
BUD		50	87	E Sg		1741	53.70	-0.66							
PKS7		75	127	E Pg	C	1741	51.90	0.06							
ZST		124	311	E Pn		1741	58.30	-1.32							
ZST		124	311	E Sn		1742	13.40	-2.94							
PSZ		126	66	I Pn	D	1741	59.30	-0.46							
PKSN		130	119	E Pn	C	1742	00.30	0.01							
PKSN		130	119	E Sn		1742	18.50	0.98							
PKS6		132	136	E Pn	C	1742	00.40	-0.15							
SMOL		136	329	E Pn		1742	01.90	0.84							
SMOL		136	329	E Sn		1742	17.40	-1.49							
SOP		137	280	E Pn	C	1742	01.10	-0.15							
SOP		137	280	E Sn		1742	17.10	-2.13							
PKSM		140	171	E Pn	C	1742	01.40	-0.15							
PKSM		140	171	E Sn		1742	17.40	-2.37							
BEHE		163	228	E Pn	D	1742	05.20	0.79							
BEHE		163	228	E Sn		1742	32.00	7.14							
CONA		194	286	Pn		1742	08.10	-0.22							
CONA		194	286	Sn		1742	29.90	-1.93							
KOGS		196	235	I Pn		1742	09.00	0.50							
LANS		205	24	E Pn		1742	10.30	0.66							
LANS		205	24	E Sn		1742	36.00	1.82							
ARSA		215	264	Pn		1742	11.20	0.26							
ARSA		215	264	Sn		1742	35.60	-0.89							
VRAC		243	328	I Pn		1742	14.10	-0.35							
OKC		265	357	I Pn		1742	17.20	0.11							
SOKA		267	251	Pn		1742	17.40	0.02							
SOKA		267	251	Sn		1742	47.20	-0.76							
SIRR		284	118	I Pn		1742	19.20	-0.30							
CRES		287	231	I Pn		1742	19.50	-0.34							
TIM		291	131	I Pn	D	1742	21.20	0.86							

CHAPTER 1. LOCAL EARTHQUAKES

STHS	304	44	E Pn	1742	23.80	1.74
STHS	304	44	E Sn	1743	11.30	15.03
OBKA	308	250	Pn	1742	22.80	0.26
OBKA	308	250	Sn	1742	56.50	-0.63
BLY	310	197	I Pn D	1742	23.60	0.82
MOA	310	278	Pn	1742	23.20	0.41
MOA	310	278	Sn	1743	08.10	10.52
KRLC	313	338	I Pn	1742	24.00	0.89
BANR	314	137	I Pn	1742	24.00	0.76
TRPA	321	77	E Pn	1742	23.70	-0.48
TRPA	321	77	E Sn	1743	15.90	15.84
BZS	323	129	I Pn	1742	24.40	0.07
MOZS	325	247	I Pn	1742	24.70	0.06
LJU	332	242	I Pn	1742	25.60	0.09
LJU	332	242	I Sn	1743	00.20	-2.23
KOLS	333	61	E Pn	1742	25.60	-0.08
KOLS	333	61	E Sn	1743	20.50	17.77
DRGR	338	103	I Pn D	1742	26.50	0.26
DPC	354	335	I Pn	1742	28.40	0.14
MYKA	370	256	Pn	1742	30.80	0.57
MYKA	370	256	Sn	1743	11.00	0.19
GOPC	379	316	I Pn	1742	30.70	-0.63
GOPC	379	316	E Sn	1743	10.80	-1.98
UPC	380	333	I Pn	1742	31.50	0.05
KBA	382	264	Pn	1742	32.60	0.92
KBA	382	264	Sn	1743	12.70	-0.70
BMR	387	86	I Pn	1742	32.30	-0.04
MDVR	394	139	I Pn	1742	33.80	0.54
PRU	397	315	E Pn	1742	32.90	-0.73
PRU	397	315	E Sn	1743	14.10	-2.77
KHC	400	298	I Pn	1742	34.50	0.49
KHC	400	298	E Sn	1743	15.40	-2.15
KWP	401	53	I Pn	1742	35.50	1.36
CJR	406	102	I Pn	1742	35.40	0.69
PRA	409	315	I Pn	1742	34.90	-0.22
GZR	409	124	I Pn D	1742	35.70	0.55
PVCC	439	321	I Pn	1742	38.20	-0.70
ABTA	451	260	Pn	1742	41.50	1.22
ARCR	455	95	I Pn	1742	41.40	0.56
RMGR	457	133	I Pn D	1742	42.40	1.35
LOT	471	118	I Pn D	1742	44.00	1.11
MDB	482	108	I Pn	1742	45.50	1.30
SRE	487	130	I Pn D	1742	46.70	1.92
WATA	512	268	Pn	1742	48.90	0.96
BURB	516	88	I Pn	1742	49.70	1.24
NKC	532	305	I Pn	1742	50.10	-0.35
ARR	535	116	I Pn	1742	50.40	-0.42
MOTA	548	269	Pn	1742	53.10	0.72
VOIR	561	114	I Pn	1742	55.30	1.30
DOPR	562	107	I Pn D	1742	54.90	0.72
PDG	563	173	I Pn	1742	55.50	1.21
RETA	572	270	Pn	1742	55.90	0.42
FETA	579	265	Pn	1742	57.40	1.04

FETA	579	265	Sn	1743	55.70	-1.63
HUMR	607	122	I Pn D	1743	00.40	0.59
MLR	622	111	I Pn	1743	03.20	1.56
TESR	639	99	I Pn D	1743	04.70	0.93
DAVA	640	268	Pn	1743	04.10	0.15
VTS	662	145	I Pn D	1743	07.00	0.37
VRI	664	105	I Pn D	1743	07.40	0.50
ISR	682	112	I Pn D	1743	10.50	1.39
TIP	929	188	I Pn D	1743	40.60	0.70

January 29 2011 Hour: 17:44:14.6 Lat: 47.345°N Lon: 18.447°E Depth: 10.0 km
 Magnitude: 1.1ML Rms: 0.19 s Gap: 171° Erh: 2.0 km Erz: 2.4 km

Locality: Zámoly

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	321	E Pg	C	1744	16.90	0.18							
PKSG		6	321	E Sg		1744	18.40	0.00							
CSKK		14	278	E Pg	D	1744	17.60	-0.08							
CSKK		14	278	E Sg		1744	19.70	-0.40							
SUKH		17	132	E Sg		1744	20.80	-0.09							
PKST		32	253	E Pg		1744	20.60	-0.06							
PKST		32	253	E Sg		1744	25.80	0.38							

January 29 2011 Hour: 17:44:43.3 Lat: 47.436°N Lon: 18.360°E Depth: 8.9 km
 Magnitude: 1.5ML Rms: 0.17 s Gap: 267° Erh: 2.1 km Erz: 1.3 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	155	E Pg	C	1744	45.00	-0.15							
PKSG		5	155	E Sg		1744	46.60	0.00							
CSKK		11	223	E Pg		1744	45.80	-0.02							
CSKK		11	223	E Sg		1744	48.00	0.20							
SUKH		29	138	E Pg	C	1744	49.00	0.30							
SUKH		29	138	E Sg		1744	52.70	-0.23							
PKST		31	231	E Pg	C	1744	49.00	-0.14							
PKST		31	231	E Sg		1744	53.80	0.10							

January 29 2011 Hour: 17:45:03.7 Lat: 47.451°N Lon: 18.363°E Depth: 9.3 km
 Magnitude: 0.9ML Rms: 0.05 s Gap: 271° Erh: 0.7 km Erz: 0.6 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	163	E Pg	D	1745	05.80	0.04							
PKSG		6	163	E Sg		1745	07.30	-0.07							
CSKK		12	218	E Pg	D	1745	06.50	0.03							
CSKK		12	218	E Sg		1745	08.60	-0.03							
SUKH		30	140	E Sg		1745	13.70	0.01							
PKST		32	229	E Pg	D	1745	09.70	-0.07							
PKST		32	229	E Sg		1745	14.60	0.08							

January 29 2011 Hour: 17:46:49.6 Lat: 47.394°N Lon: 18.393°E Depth: 10.8 km
 Magnitude: 0.7ML Rms: 0.13 s Gap: 244° Erh: 1.4 km Erz: 1.0 km

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		0	218	E Pg	C	1746	51.40	-0.14							
PKSG		0	218	E Sg		1746	53.30	0.25							
CSKK		10	251	E Pg	D	1746	52.20	-0.10							
CSKK		10	251	E Sg		1746	54.30	-0.11							

CHAPTER 1. LOCAL EARTHQUAKES

SUKH	23	135	E	Pg	1746	54.40	0.12
SUKH	23	135	E	Sg	1746	57.80	-0.13
PKST	31	241	E	Pg	1746	55.50	0.04
PKST	31	241	E	Sg	1747	00.20	0.17

January 29 2011 Hour: 17:47:44.0 Lat: 47.313°N Lon: 18.466°E Depth: 0.0 km
 Magnitude: 0.5ML Rms: 0.17 s Gap: 293° Erh: 3.3 km Erz: 385 km
 Locality: Pátka Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	327	E	Pg	C	1747	45.90		0.04					
PKSG		10	327	E	Sg		1747	47.50		0.18					
CSKK		16	290	E	Pg		1747	46.80		-0.14					
CSKK		16	290	E	Sg		1747	49.00		-0.24					
PKST		33	260	E	Sg		1747	54.80		0.26					

January 29 2011 Hour: 17:50:42.0 Lat: 47.466°N Lon: 18.367°E Depth: 9.1 km
 Magnitude: 0.5ML Rms: 0.09 s Gap: 275° Erh: 1.2 km Erz: 0.9 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	168	E	Pg	C	1750	44.30		0.06					
PKSG		8	168	E	Sg		1750	45.90		-0.07					
CSKK		13	215	E	Pg	D	1750	45.10		0.10					
CSKK		13	215	E	Sg		1750	47.20		-0.12					
SUKH		31	143	E	Pg		1750	47.80		-0.02					
SUKH		31	143	E	Sg		1750	52.30		-0.04					
PKST		34	228	E	Pg	C	1750	48.20		-0.12					
PKST		34	228	E	Sg		1750	53.40		0.17					

January 29 2011 Hour: 17:53:25.5 Lat: 47.411°N Lon: 18.359°E Depth: 8.5 km
 Magnitude: 0.3ML Rms: 0.22 s Gap: 258° Erh: 3.5 km Erz: 2.1 km
 Locality: Gánt Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	132	E	Pg	D	1753	26.90		-0.20					
PKSG		3	132	E	Sg		1753	28.40		0.04					
CSKK		9	234	E	Pg	D	1753	27.60		-0.11					
CSKK		9	234	E	Sg		1753	29.80		0.35					
SUKH		27	134	E	Pg		1753	30.80		0.27					
SUKH		27	134	E	Sg		1753	34.20		-0.28					

January 29 2011 Hour: 17:55:11.7 Lat: 47.452°N Lon: 18.372°E Depth: 9.3 km
 Magnitude: -0.2ML Rms: 0.04 s Gap: 281° Erh: 1.0 km Erz: 0.8 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	168	E	Pg	D	1755	13.80		0.05					
PKSG		6	168	E	Sg		1755	15.30		-0.05					
CSKK		13	221	E	Pg		1755	14.50		-0.05					
CSKK		13	221	E	Sg		1755	16.80		0.03					
SUKH		29	142	E	Sg		1755	21.60		0.01					

January 29 2011 Hour: 17:56:36.5 Lat: 47.440°N Lon: 18.353°E Depth: 8.6 km
 Magnitude: 0.3ML Rms: 0.11 s Gap: 268° Erh: 1.3 km Erz: 0.8 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	152	E	Pg	D	1756	38.30		-0.04					
PKSG		6	152	E	Sg		1756	39.80		-0.01					

CSKK	11	219	E	Pg	D	1756	38.90	-0.06
CSKK	11	219	E	Sg		1756	41.00	0.10
SUKH	29	138	E	Pg	D	1756	42.10	0.12
SUKH	29	138	E	Sg		1756	46.10	-0.18
PKST	31	230	E	Pg	D	1756	42.20	-0.07
PKST	31	230	E	Sg		1756	47.10	0.30

January 29 2011 Hour: 17:57:31.9 Lat: 47.312°N Lon: 18.454°E Depth: 0.0 km
 Magnitude: 0.0ML Rms: 0.17 s Gap: 288° Erh: 3.6 km Erz: 451 km

Locality: Pátka

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	332	E	Pg		1757	33.70							
PKSG		10	332	E	Sg		1757	35.30							
CSKK		15	291	E	Pg	D	1757	34.50							
CSKK		15	291	E	Sg		1757	36.60							
PKST		32	259	E	Sg		1757	42.30							

January 29 2011 Hour: 17:57:43.4 Lat: 47.444°N Lon: 18.368°E Depth: 8.3 km
 Magnitude: 0.1ML Rms: 0.05 s Gap: 269° Erh: 0.7 km Erz: 0.5 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	163	E	Pg	C	1757	45.20							
PKSG		6	163	E	Sg		1757	46.60							
CSKK		12	222	E	Pg	C	1757	45.90							
CSKK		12	222	E	Sg		1757	48.10							
SUKH		29	140	E	Sg		1757	53.00							
PKST		32	231	E	Pg		1757	49.40							
PKST		32	231	E	Sg		1757	54.00							

January 29 2011 Hour: 18:05:30.8 Lat: 47.470°N Lon: 18.380°E Depth: 8.3 km
 Magnitude: 1.5ML Rms: 0.14 s Gap: 220° Erh: 1.2 km Erz: 0.8 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	175	E	Pg	C	1805	33.10							
PKSG		8	175	E	Sg		1805	34.60							
CSKK		15	217	E	Pg	D	1805	33.90							
CSKK		15	217	E	Sg		1805	36.20							
SUKH		31	145	E	Pg	C	1805	36.70							
SUKH		31	145	E	Sg		1805	40.80							
PKST		35	228	E	Pg	C	1805	37.10							
PKST		35	228	E	Sg		1805	42.10							
BUD		48	88	E	Sg		1805	46.20							
PKSM		141	172	E	Pn		1805	54.50							
PKSM		141	172	E	Sn		1806	10.20							

January 29 2011 Hour: 18:15:30.3 Lat: 47.455°N Lon: 18.358°E Depth: 7.9 km
 Magnitude: 0.3ML Rms: 0.14 s Gap: 272° Erh: 1.7 km Erz: 1.4 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	161	E	Pg	C	1815	32.10							
PKSG		7	161	E	Sg		1815	33.70							
CSKK		12	216	E	Pg	D	1815	32.90							
CSKK		12	216	E	Sg		1815	35.20							
SUKH		30	140	E	Pg	D	1815	36.20							
SUKH		30	140	E	Sg		1815	40.20							

CHAPTER 1. LOCAL EARTHQUAKES

PKST 32 228 E Pg D 1815 36.20 -0.10
 PKST 32 228 E Sg 1815 41.10 0.10

January 29 2011 Hour: 18:15:59.8 Lat: 47.430°N Lon: 18.380°E Depth: 11.5 km
Magnitude: 0.4ML Rms: 0.17 s Gap: 265° Erh: 2.4 km Erz: 1.5 km

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	169	E Pg	D	1816	02.00	0.04							
PKSG		4	169	E Sg		1816	03.50	-0.18							
CSKK		11	230	E Pg	D	1816	02.80	0.11							
CSKK		11	230	E Sg		1816	05.00	0.03							
SUKH		27	139	E Pg	D	1816	04.90	-0.18							
SUKH		27	139	E Sg		1816	09.80	0.57							
PKST		32	234	E Sg		1816	10.60	-0.06							

January 29 2011 Hour: 18:18:34.5 Lat: 47.432°N Lon: 18.360°E Depth: 10.4 km
Magnitude: 1.7ML Rms: 0.34 s Gap: 193° Erh: 1.8 km Erz: 0.9 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	153	E Pg	C	1818	36.50	-0.12							
PKSG		5	153	E Sg		1818	38.00	-0.24							
CSKK		10	224	E Pg	D	1818	37.20	-0.02							
CSKK		10	224	E Sg		1818	39.50	0.19							
SUKH		28	137	E Pg	C	1818	40.30	0.31							
SUKH		28	137	E Sg		1818	44.40	0.16							
PKST		31	232	E Pg	D	1818	40.00	-0.43							
PKST		31	232	E Sg		1818	45.10	0.07							
BUD		50	84	E Pg		1818	44.10	0.37							
BUD		50	84	E Sg		1818	50.10	-0.79							
PSZ		127	65	E Pn		1818	56.00	-0.11							
PSZ		127	65	E Sn		1819	12.80	-0.13							
PKSM		137	171	E Pn	C	1818	57.90	0.53							
PKSM		137	171	E Sn		1819	13.90	-1.28							

January 29 2011 Hour: 18:20:08.2 Lat: 47.447°N Lon: 18.373°E Depth: 10.0 km
Magnitude: -0.1ML Rms: 0.09 s Gap: 270° Erh: 1.2 km Erz: 1.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	168	E Pg	D	1820	10.40	0.08							
PKSG		6	168	E Sg		1820	11.80	-0.17							
CSKK		12	222	E Pg		1820	11.00	-0.08							
CSKK		12	222	E Sg		1820	13.40	0.07							
SUKH		29	141	E Sg		1820	18.10	0.05							
PKST		33	231	E Sg		1820	19.20	0.02							

January 29 2011 Hour: 18:32:07.8 Lat: 47.446°N Lon: 18.372°E Depth: 9.6 km
Magnitude: 0.1ML Rms: 0.06 s Gap: 270° Erh: 0.8 km Erz: 0.6 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	167	E Pg	D	1832	09.80	-0.01							
PKSG		6	167	E Sg		1832	11.30	-0.10							
CSKK		12	222	E Pg	D	1832	10.60	0.02							
CSKK		12	222	E Sg		1832	12.90	0.12							
SUKH		29	141	E Sg		1832	17.60	0.05							
PKST		33	231	E Pg		1832	13.90	0.00							

PKST 33 231 E Sg 1832 18.60 -0.08

January 29 2011 Hour: 18:40:49.9 Lat: 47.456°N Lon: 18.360°E Depth: 9.4 km

Magnitude: 0.2ML Rms: 0.08 s Gap: 272° Erh: 1.1 km Erz: 0.9 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	162	E Pg	C	1840	52.10	0.06							
PKSG		7	162	E Sg		1840	53.60	-0.11							
CSKK		12	216	E Pg	D	1840	52.80	0.07							
CSKK		12	216	E Sg		1840	54.90	-0.04							
SUKH		30	141	E Sg		1841	00.10	0.02							
PKST		33	228	E Pg	C	1840	55.90	-0.12							
PKST		33	228	E Sg		1841	00.90	0.11							

January 29 2011 Hour: 18:45:57.9 Lat: 47.441°N Lon: 18.371°E Depth: 7.6 km

Magnitude: -0.1ML Rms: 0.06 s Gap: 268° Erh: 0.8 km Erz: 0.6 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	165	E Pg	C	1845	59.60	-0.01							
PKSG		5	165	E Sg		1846	01.00	0.08							
CSKK		12	224	E Pg	C	1846	00.40	-0.06							
CSKK		12	224	E Sg		1846	02.40	-0.04							
SUKH		28	140	E Pg		1846	03.30	0.06							
SUKH		28	140	E Sg		1846	07.30	-0.09							
PKST		32	232	E Sg		1846	08.60	0.07							

January 29 2011 Hour: 18:55:21.0 Lat: 47.320°N Lon: 18.460°E Depth: 5.0 km

Magnitude: -0.1ML Rms: 0.21 s Gap: 291° Erh: 2.0 km Erz: 3.9 km

Locality: Pátka

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	327	E Pg		1855	23.10	0.14							
PKSG		9	327	E Sg		1855	24.60	0.13							
CSKK		15	288	E Pg		1855	23.80	-0.20							
CSKK		15	288	E Sg		1855	26.00	-0.31							
PKST		32	258	E Sg		1855	31.90	0.29							

January 29 2011 Hour: 18:58:57.4 Lat: 47.455°N Lon: 18.358°E Depth: 9.0 km

Magnitude: 0.0ML Rms: 0.03 s Gap: 272° Erh: 0.4 km Erz: 0.4 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	161	E Pg		1858	59.50	-0.01							
PKSG		7	161	E Sg		1859	01.10	-0.03							
CSKK		12	216	E Pg		1859	00.20	0.00							
CSKK		12	216	E Sg		1859	02.40	0.05							
SUKH		30	140	E Sg		1859	07.60	0.03							
PKST		32	228	E Sg		1859	08.20	-0.03							

January 29 2011 Hour: 19:02:17.2 Lat: 47.439°N Lon: 18.359°E Depth: 7.3 km

Magnitude: 0.0ML Rms: 0.12 s Gap: 268° Erh: 1.5 km Erz: 1.0 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	156	E Pg	C	1902	18.80	-0.10							
PKSG		5	156	E Sg		1902	20.40	0.21							
CSKK		11	221	E Pg		1902	19.50	-0.13							
CSKK		11	221	E Sg		1902	21.40	-0.10							

CHAPTER 1. LOCAL EARTHQUAKES

SUKH	29	138	E	Pg	1902	22.70	0.08
SUKH	29	138	E	Sg	1902	26.70	-0.13
PKST	31	231	E	Pg	D 1902	23.10	0.06
PKST	31	231	E	Sg	1902	27.80	0.23

January 29 2011 Hour: 19:08:49.9 Lat: 47.447°N Lon: 18.370°E Depth: 8.5 km
 Magnitude: 0.5ML Rms: 0.06 s Gap: 270° Erh: 0.7 km Erz: 0.5 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	165	E	Pg	C	1908	51.80							-0.04
PKSG		6	165	E	Sg		1908	53.30							-0.02
CSKK		12	222	E	Pg	D	1908	52.60							-0.03
CSKK		12	222	E	Sg		1908	54.80							0.07
SUKH		29	141	E	Pg	D	1908	55.50							0.09
SUKH		29	141	E	Sg		1908	59.60							-0.07
PKST		32	231	E	Sg		1909	00.70							-0.02

January 29 2011 Hour: 19:10:35.7 Lat: 47.487°N Lon: 18.350°E Depth: 5.9 km
 Magnitude: 0.3ML Rms: 0.07 s Gap: 280° Erh: 0.9 km Erz: 1.4 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	164	E	Pg	C	1910	37.90							-0.04
PKSG		11	164	E	Sg		1910	39.50							-0.18
CSKK		15	206	E	Pg	D	1910	38.70							0.06
CSKK		15	206	E	Sg		1910	41.00							0.08
SUKH		33	143	E	Sg		1910	46.70							0.07
PKST		34	223	E	Pg		1910	42.00							0.00
PKST		34	223	E	Sg		1910	46.90							-0.02

January 29 2011 Hour: 19:15:04.8 Lat: 47.439°N Lon: 18.365°E Depth: 9.9 km
 Magnitude: -0.1ML Rms: 0.01 s Gap: 276° Erh: 0.2 km Erz: 0.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	160	E	Pg	C	1915	06.80							-0.01
PKSG		5	160	E	Sg		1915	08.40							0.01
CSKK		11	223	E	Pg	C	1915	07.50							0.01
CSKK		11	223	E	Sg		1915	09.60							-0.01
SUKH		28	139	E	Sg		1915	14.50							0.00

January 29 2011 Hour: 19:33:02.9 Lat: 47.280°N Lon: 18.497°E Depth: 0.0 km
 Magnitude: 0.2ML Rms: 0.40 s Gap: 299° Erh: 5.7 km Erz: 760 km

Locality: Pátka

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		14	327	E	Pg	C	1933	06.00							0.41
PKSG		14	327	E	Sg		1933	07.60							-0.05
CSKK		20	297	E	Pg		1933	06.50							-0.04
CSKK		20	297	E	Sg		1933	08.80							-0.54
PKST		35	266	E	Pg		1933	08.80							-0.41
PKST		35	266	E	Sg		1933	14.80							0.70

January 29 2011 Hour: 19:36:41.3 Lat: 47.451°N Lon: 18.358°E Depth: 8.7 km
 Magnitude: 0.1ML Rms: 0.09 s Gap: 271° Erh: 1.0 km Erz: 0.7 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	159	E	Pg	C	1936	43.20							-0.06

PKSG	7	159	E	Sg	1936	44.80	-0.02
CSKK	12	217	E	Pg	1936	43.90	-0.04
CSKK	12	217	E	Sg	1936	46.10	0.07
SUKH	30	140	E	Pg	1936	47.00	0.11
SUKH	30	140	E	Sg	1936	51.20	-0.08
PKST	32	229	E	Pg	1936	47.20	-0.06
PKST	32	229	E	Sg	1936	52.20	0.26

January 29 2011 **Hour: 19:40:02.2** **Lat: 47.472°N** **Lon: 18.364°E** **Depth: 8.2 km**
Magnitude: 1.0ML **Rms: 0.18 s** **Gap: 222°** **Erh: 1.7 km** **Erz: 1.9 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	167	E	Pg	C	1940	04.50							
PKSG		9	167	E	Sg		1940	06.10							
CSKK		14	213	E	Pg	D	1940	05.20							
CSKK		14	213	E	Sg		1940	07.30							
SUKH		31	143	E	Pg		1940	08.40							
SUKH		31	143	E	Sg		1940	12.50							
PKST		34	226	E	Pg	C	1940	08.40							
PKST		34	226	E	Sg		1940	13.30							
BUD		49	89	E	Sg		1940	17.90							

January 29 2011 **Hour: 19:40:18.5** **Lat: 47.381°N** **Lon: 18.240°E** **Depth: 14.6 km**
Magnitude: 0.2ML **Rms: 0.59 s** **Gap: 215°** **Erh: 14.8 km** **Erz: 18.9 km**

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		2	142	E	Pg	D	1940	21.90							
PKSG		11	84	E	Pg		1940	21.20							
PKST		20	229	E	Pg		1940	22.70							
SUKH		32	118	E	Pg		1940	25.30							
SUKH		32	118	E	Sg		1940	29.00							

January 29 2011 **Hour: 19:52:13.7** **Lat: 47.303°N** **Lon: 18.474°E** **Depth: 0.1 km**
Magnitude: -0.1ML **Rms: 0.21 s** **Gap: 294°** **Erh: 3.7 km** **Erz: 609 km**

Locality: Pátka

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	327	E	Pg		1952	16.00							
PKSG		11	327	E	Sg		1952	17.50							
CSKK		17	292	E	Pg		1952	16.70							
CSKK		17	292	E	Sg		1952	18.90							
PKST		33	262	E	Pg		1952	19.60							
PKST		33	262	E	Sg		1952	24.80							

January 29 2011 **Hour: 19:57:54.0** **Lat: 47.441°N** **Lon: 18.353°E** **Depth: 8.8 km**
Magnitude: 0.5ML **Rms: 0.15 s** **Gap: 268°** **Erh: 1.8 km** **Erz: 1.1 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	152	E	Pg	C	1957	55.80							
PKSG		6	152	E	Sg		1957	57.40							
CSKK		11	219	E	Pg	D	1957	56.50							
CSKK		11	219	E	Sg		1957	58.60							
SUKH		29	138	E	Pg	C	1957	59.70							
SUKH		29	138	E	Sg		1958	03.60							
PKST		31	230	E	Pg	C	1957	59.70							
PKST		31	230	E	Sg		1958	04.70							

January 29 2011 **Hour: 20:20:40.4** **Lat: 47.447°N** **Lon: 18.368°E** **Depth: 9.2 km**
Magnitude: 0.0ML **Rms: 0.02 s** **Gap: 270°** **Erh: 0.4 km** **Erz: 0.3 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	164	E Pg	C	2020	42.40	0.02							
PKSG		6	164	E Sg		2020	43.90	-0.03							
CSKK		12	221	E Pg	C	2020	43.10	-0.03							
CSKK		12	221	E Sg		2020	45.30	0.03							
SUKH		29	140	E Sg		2020	50.20	0.01							
PKST		32	230	E Sg		2020	51.20	0.01							

January 29 2011 **Hour: 20:32:22.4** **Lat: 47.312°N** **Lon: 18.459°E** **Depth: 0.0 km**
Magnitude: -0.1ML **Rms: 0.17 s** **Gap: 290°** **Erh: 3.4 km** **Erz: 421 km**
Locality: Pátka **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	330	E Pg	C	2032	24.30	0.11							
PKSG		10	330	E Sg		2032	25.80	0.18							
CSKK		16	291	E Pg	D	2032	25.00	-0.22							
CSKK		16	291	E Sg		2032	27.30	-0.15							
PKST		32	260	E Sg		2032	32.90	0.17							

January 29 2011 **Hour: 20:42:20.9** **Lat: 47.442°N** **Lon: 18.355°E** **Depth: 7.8 km**
Magnitude: 0.5ML **Rms: 0.14 s** **Gap: 268°** **Erh: 1.8 km** **Erz: 1.2 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	154	E Pg	D	2042	22.70	-0.02							
PKSG		6	154	E Sg		2042	24.00	-0.11							
CSKK		11	219	E Pg	D	2042	23.30	-0.10							
CSKK		11	219	E Sg		2042	25.50	0.19							
SUKH		29	138	E Pg	C	2042	26.60	0.18							
SUKH		29	138	E Sg		2042	30.40	-0.30							
PKST		31	230	E Pg	D	2042	26.70	-0.06							
PKST		31	230	E Sg		2042	31.50	0.20							

January 29 2011 **Hour: 20:43:01.5** **Lat: 47.415°N** **Lon: 18.395°E** **Depth: 10.9 km**
Magnitude: 0.0ML **Rms: 0.04 s** **Gap: 258°** **Erh: 0.5 km** **Erz: 0.3 km**
Locality: Gánt **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		2	187	E Pg	C	2043	03.50	0.00							
PKSG		2	187	E Sg		2043	05.10	0.05							
CSKK		11	241	E Pg	D	2043	04.30	-0.05							
CSKK		11	241	E Sg		2043	06.50	-0.06							
SUKH		25	139	E Sg		2043	10.30	0.00							
PKST		32	238	E Pg		2043	07.60	0.01							
PKST		32	238	E Sg		2043	12.40	0.07							

January 29 2011 **Hour: 20:48:31.8** **Lat: 47.456°N** **Lon: 18.363°E** **Depth: 10.0 km**
Magnitude: 0.0ML **Rms: 0.06 s** **Gap: 295°** **Erh: 4.4 km** **Erz: 3.2 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	163	E Pg		2048	34.10	0.05							
PKSG		7	163	E Sg		2048	35.70	-0.09							
CSKK		12	217	E Pg	D	2048	34.70	-0.04							
CSKK		12	217	E Sg		2048	37.10	0.09							

PKST 33 229 E Sg 2048 42.80 -0.02

January 29 2011 Hour: 20:51:06.9 Lat: 47.446°N Lon: 18.364°E Depth: 8.2 km

Magnitude: 1.3ML Rms: 0.11 s Gap: 270° Erh: 1.3 km Erz: 0.9 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	161	E Pg	C	2051	08.70	-0.09							
PKSG		6	161	E Sg		2051	10.20	-0.04							
CSKK		12	220	E Pg	D	2051	09.50	-0.04							
CSKK		12	220	E Sg		2051	11.70	0.13							
SUKH		29	140	E Pg	C	2051	12.60	0.18							
SUKH		29	140	E Sg		2051	16.60	-0.10							
PKST		32	230	E Pg	C	2051	12.80	-0.10							
PKST		32	230	E Sg		2051	17.70	0.13							

January 29 2011 Hour: 20:52:46.8 Lat: 47.451°N Lon: 18.363°E Depth: 9.2 km

Magnitude: 0.9ML Rms: 0.07 s Gap: 271° Erh: 0.8 km Erz: 0.6 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	163	E Pg	C	2052	48.90	0.03							
PKSG		6	163	E Sg		2052	50.40	-0.07							
CSKK		12	218	E Pg	D	2052	49.60	0.02							
CSKK		12	218	E Sg		2052	51.80	0.06							
SUKH		30	140	E Pg	C	2052	52.50	0.07							
SUKH		30	140	E Sg		2052	56.70	-0.11							
PKST		32	229	E Pg	C	2052	52.80	-0.09							
PKST		32	229	E Sg		2052	57.70	0.07							

January 29 2011 Hour: 21:06:26.8 Lat: 47.450°N Lon: 18.360°E Depth: 8.3 km

Magnitude: 0.7ML Rms: 0.09 s Gap: 271° Erh: 1.0 km Erz: 0.7 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	160	E Pg	C	2106	28.70	-0.02							
PKSG		6	160	E Sg		2106	30.10	-0.13							
CSKK		12	218	E Pg	C	2106	29.40	-0.04							
CSKK		12	218	E Sg		2106	31.60	0.10							
SUKH		30	140	E Pg	D	2106	32.50	0.12							
SUKH		30	140	E Sg		2106	36.70	-0.04							
PKST		32	229	E Pg	C	2106	32.70	-0.09							
PKST		32	229	E Sg		2106	37.60	0.14							

January 29 2011 Hour: 21:15:37.7 Lat: 47.390°N Lon: 18.401°E Depth: 10.6 km

Magnitude: 0.3ML Rms: 0.07 s Gap: 208° Erh: 1.2 km Erz: 0.8 km

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		0	287	E Pg	C	2115	39.60	0.04							
PKSG		0	287	E Sg		2115	41.10	0.06							
CSKK		11	254	E Pg	D	2115	40.30	-0.10							
CSKK		11	254	E Sg		2115	42.40	-0.12							
SUKH		23	135	E Pg	C	2115	42.20	-0.01							
PKST		31	242	E Pg		2115	43.60	0.03							
PKST		31	242	E Sg		2115	48.30	0.13							

CHAPTER 1. LOCAL EARTHQUAKES

January 29 2011 Hour: 21:39:32.3 Lat: 47.319°N Lon: 18.424°E Depth: 6.9 km
 Magnitude: -0.3ML Rms: 0.04 s Gap: 171° Erh: 0.7 km Erz: 1.3 km
 Locality: Zámoly Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	343	E Pg	C	2139	34.20	-0.04							
PKSG		8	343	E Sg		2139	35.80	0.04							
CSKK		13	292	E Pg		2139	35.00	0.04							
CSKK		13	292	E Sg		2139	37.00	-0.04							
SUKH		16	120	E Sg		2139	38.10	0.00							

January 29 2011 Hour: 22:31:07.2 Lat: 47.313°N Lon: 18.486°E Depth: 0.0 km
 Magnitude: -0.1ML Rms: 0.26 s Gap: 299° Erh: 5.5 km Erz: 661 km
 Locality: Pátka Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	321	E Pg	C	2231	09.40	0.19							
PKSG		11	321	E Sg		2231	10.90	0.11							
CSKK		17	288	E Pg		2231	10.10	-0.29							
CSKK		17	288	E Sg		2231	12.60	-0.28							
PKST		34	260	E Sg		2231	18.60	0.38							

January 29 2011 Hour: 23:00:51.2 Lat: 47.447°N Lon: 18.367°E Depth: 9.6 km
 Magnitude: -0.1ML Rms: 0.04 s Gap: 270° Erh: 0.5 km Erz: 0.5 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	164	E Pg	D	2300	53.20	-0.04							
PKSG		6	164	E Sg		2300	54.90	0.05							
CSKK		12	220	E Pg		2300	54.00	0.03							
CSKK		12	220	E Sg		2300	56.10	-0.04							
SUKH		29	140	E Sg		2301	01.10	0.03							
PKST		32	230	E Sg		2301	02.00	-0.01							

January 29 2011 Hour: 23:02:05.0 Lat: 47.448°N Lon: 18.361°E Depth: 9.6 km
 Magnitude: 0.3ML Rms: 0.09 s Gap: 270° Erh: 1.1 km Erz: 0.7 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	160	E Pg	C	2302	07.00	-0.03							
PKSG		6	160	E Sg		2302	08.60	-0.06							
CSKK		12	219	E Pg	D	2302	07.70	-0.01							
CSKK		12	219	E Sg		2302	09.90	0.04							
SUKH		29	140	E Pg	C	2302	10.70	0.14							
SUKH		29	140	E Sg		2302	14.80	-0.13							
PKST		32	230	E Pg	C	2302	10.90	-0.08							
PKST		32	230	E Sg		2302	15.80	0.11							

January 29 2011 Hour: 23:04:10.5 Lat: 47.316°N Lon: 18.463°E Depth: 5.0 km
 Magnitude: -0.1ML Rms: 0.22 s Gap: 292° Erh: 0.7 km Erz: 1.5 km
 Locality: Pátka Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	327	E Pg		2304	12.60	0.13							
PKSG		10	327	E Sg		2304	14.20	0.16							
CSKK		16	289	E Pg	D	2304	13.30	-0.19							
CSKK		16	289	E Sg		2304	15.50	-0.35							
PKST		33	259	E Sg		2304	21.40	0.31							

January 29 2011 Hour: 23:12:51.7 Lat: 47.437°N Lon: 18.364°E Depth: 10.0 km
 Magnitude: 0.0ML Rms: 0.17 s Gap: 267° Erh: 2.0 km Erz: 1.4 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	158	E Pg	D	2312	53.60	-0.09							
PKSG		5	158	E Sg		2312	55.10	-0.17							
CSKK		11	224	E Pg		2312	54.60	0.24							
CSKK		11	224	E Sg		2312	56.60	0.14							
SUKH		28	139	E Sg		2313	01.40	0.05							
PKST		31	232	E Pg		2312	57.40	-0.22							
PKST		31	232	E Sg		2313	02.40	0.14							

January 29 2011 Hour: 23:36:48.7 Lat: 47.453°N Lon: 18.358°E Depth: 8.6 km
 Magnitude: 0.4ML Rms: 0.10 s Gap: 272° Erh: 1.2 km Erz: 0.9 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	160	E Pg	C	2336	50.60	-0.08							
PKSG		7	160	E Sg		2336	52.20	-0.04							
CSKK		12	216	E Pg		2336	51.40	0.03							
CSKK		12	216	E Sg		2336	53.50	0.03							
SUKH		30	140	E Pg		2336	54.50	0.17							
SUKH		30	140	E Sg		2336	58.60	-0.14							
PKST		32	229	E Pg	C	2336	54.60	-0.09							
PKST		32	229	E Sg		2336	59.50	0.11							

January 29 2011 Hour: 23:50:30.1 Lat: 47.443°N Lon: 18.361°E Depth: 8.9 km
 Magnitude: 0.4ML Rms: 0.17 s Gap: 269° Erh: 2.0 km Erz: 1.3 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	159	E Pg	C	2350	31.90	-0.13							
PKSG		6	159	E Sg		2350	33.50	-0.04							
CSKK		11	220	E Pg	D	2350	32.70	-0.03							
CSKK		11	220	E Sg		2350	35.00	0.22							
SUKH		29	139	E Pg	C	2350	35.90	0.30							
SUKH		29	139	E Sg		2350	39.70	-0.20							
PKST		32	230	E Pg	C	2350	35.90	-0.15							
PKST		32	230	E Sg		2350	40.80	0.12							

January 30 2011 Hour: 00:03:01.7 Lat: 47.456°N Lon: 18.359°E Depth: 8.5 km
 Magnitude: -0.2ML Rms: 0.02 s Gap: 272° Erh: 0.3 km Erz: 0.3 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	162	E Pg		003	03.70	0.00							
PKSG		7	162	E Sg		003	05.30	0.02							
CSKK		12	216	E Pg	D	003	04.40	-0.01							
CSKK		12	216	E Sg		003	06.50	-0.04							
SUKH		30	141	E Sg		003	11.80	0.01							
PKST		32	228	E Sg		003	12.50	0.02							

January 30 2011 Hour: 00:19:11.9 Lat: 47.441°N Lon: 18.355°E Depth: 8.4 km
 Magnitude: 1.4ML Rms: 0.12 s Gap: 215° Erh: 1.0 km Erz: 0.9 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	154	E Pg	C	019	13.70	-0.08							
PKSG		6	154	E Sg		019	15.20	-0.02							

CHAPTER 1. LOCAL EARTHQUAKES

CSKK	11	220	E Pg	D	019	14.40	-0.04
CSKK	11	220	E Sg		019	16.60	0.21
SUKH	29	138	E Pg	D	019	17.50	0.07
SUKH	29	138	E Sg		019	21.60	-0.12
PKST	31	230	E Pg	C	019	17.60	-0.17
PKST	31	230	E Sg		019	22.50	0.17
BUD	50	85	E Pg		019	21.20	0.11
BUD	50	85	E Sg		019	27.00	-1.24

January 30 2011 Hour: 00:31:09.0 Lat: 47.414°N Lon: 18.349°E Depth: 6.9 km
 Magnitude: 1.1ML Rms: 0.24 s Gap: 207° Erh: 2.2 km Erz: 1.8 km

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	128	E Pg	C	031	10.20	-0.22							
PKSG		4	128	E Sg		031	11.70	0.17							
SUKH		27	133	E Pg	D	031	14.00	-0.12							
SUKH		27	133	E Sg		031	18.00	-0.11							
PKST		29	234	E Pg	D	031	14.20	-0.19							
PKST		29	234	E Sg		031	19.00	0.40							
BUD		51	81	E Pg		031	18.60	0.32							
BUD		51	81	E Sg		031	23.50	-2.01							

January 30 2011 Hour: 00:33:33.8 Lat: 47.434°N Lon: 18.380°E Depth: 10.4 km
 Magnitude: 0.1ML Rms: 0.04 s Gap: 267° Erh: 0.6 km Erz: 0.5 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	171	E Pg	C	033	35.90	0.04							
PKSG		4	171	E Sg		033	37.40	-0.05							
CSKK		12	229	E Pg	D	033	36.60	-0.06							
CSKK		12	229	E Sg		033	38.90	0.03							
SUKH		27	140	E Sg		033	43.30	0.05							
PKST		32	233	E Sg		033	44.70	0.00							

January 30 2011 Hour: 00:45:09.8 Lat: 47.446°N Lon: 18.359°E Depth: 8.7 km
 Magnitude: 0.1ML Rms: 0.04 s Gap: 270° Erh: 0.5 km Erz: 0.4 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	158	E Pg	C	045	11.80	0.02							
PKSG		6	158	E Sg		045	13.30	0.01							
CSKK		11	219	E Pg	D	045	12.40	-0.06							
CSKK		11	219	E Sg		045	14.50	-0.01							
SUKH		29	139	E Sg		045	19.70	-0.03							
PKST		32	230	E Pg	D	045	15.80	0.01							
PKST		32	230	E Sg		045	20.50	0.07							

January 30 2011 Hour: 00:57:33.9 Lat: 47.453°N Lon: 18.375°E Depth: 10.0 km
 Magnitude: 0.2ML Rms: 0.06 s Gap: 272° Erh: 0.9 km Erz: 0.8 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	170	E Pg		057	36.10	-0.01							
PKSG		7	170	E Sg		057	37.70	-0.11							
CSKK		13	221	E Pg		057	36.90	0.01							
CSKK		13	221	E Sg		057	39.30	0.10							
SUKH		29	142	E Sg		057	44.00	0.09							
PKST		33	230	E Sg		057	45.00	-0.07							

January 30 2011 Hour: 01:27:49.9 Lat: 47.444°N Lon: 18.362°E Depth: 8.2 km
 Magnitude: 0.4ML Rms: 0.13 s Gap: 269° Erh: 1.6 km Erz: 1.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	160	E Pg		127	51.60	-0.14							
PKSG		6	160	E Sg		127	53.20	0.02							
CSKK		11	220	E Pg		127	52.40	-0.08							
CSKK		11	220	E Sg		127	54.70	0.21							
SUKH		29	139	E Pg		127	55.60	0.22							
SUKH		29	139	E Sg		127	59.50	-0.15							
PKST		32	230	E Pg	C	127	55.80	-0.04							
PKST		32	230	E Sg		128	00.50	0.03							

January 30 2011 Hour: 01:32:50.3 Lat: 47.455°N Lon: 18.363°E Depth: 9.0 km
 Magnitude: 0.0ML Rms: 0.01 s Gap: 272° Erh: 0.1 km Erz: 0.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	163	E Pg	D	132	52.40	0.01							
PKSG		7	163	E Sg		132	54.00	-0.01							
CSKK		12	217	E Pg	D	132	53.10	-0.01							
CSKK		12	217	E Sg		132	55.30	0.01							
SUKH		30	141	E Sg		133	00.40	0.00							
PKST		33	229	E Sg		133	01.20	0.00							

January 30 2011 Hour: 01:35:13.0 Lat: 47.451°N Lon: 18.354°E Depth: 8.2 km
 Magnitude: 0.6ML Rms: 0.16 s Gap: 271° Erh: 2.0 km Erz: 1.5 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	157	E Pg	C	135	14.80	-0.11							
PKSG		7	157	E Sg		135	16.40	-0.02							
CSKK		12	216	E Pg	D	135	15.50	-0.08							
CSKK		12	216	E Sg		135	17.80	0.19							
SUKH		30	139	E Pg	C	135	18.90	0.29							
SUKH		30	139	E Sg		135	22.80	-0.21							
PKST		32	229	E Pg	C	135	18.80	-0.12							
PKST		32	229	E Sg		135	23.70	0.14							

January 30 2011 Hour: 01:43:32.1 Lat: 47.456°N Lon: 18.366°E Depth: 9.0 km
 Magnitude: 0.1ML Rms: 0.19 s Gap: 272° Erh: 2.3 km Erz: 1.7 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	165	E Pg	D	143	34.10	-0.10							
PKSG		7	165	E Sg		143	35.70	-0.12							
CSKK		13	218	E Pg	C	143	34.80	-0.16							
CSKK		13	218	E Sg		143	37.50	0.34							
SUKH		30	141	E Pg	C	143	38.10	0.32							
SUKH		30	141	E Sg		143	42.00	-0.19							
PKST		33	229	E Pg	C	143	38.20	-0.08							
PKST		33	229	E Sg		143	43.20	0.12							

January 30 2011 Hour: 02:07:39.0 Lat: 47.453°N Lon: 18.376°E Depth: 8.7 km
 Magnitude: -0.4ML Rms: 0.06 s Gap: 272° Erh: 0.9 km Erz: 0.8 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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CHAPTER 1. LOCAL EARTHQUAKES

PKSG	6	171	E Pg	D	207	41.00	0.07
PKSG	6	171	E Sg		207	42.40	-0.07
CSKK	13	221	E Pg	D	207	41.70	-0.08
CSKK	13	221	E Sg		207	44.00	0.02
SUKH	29	142	E Sg		207	48.80	0.04
PKST	33	230	E Sg		207	50.00	0.02

January 30 2011 **Hour: 02:32:39.4** **Lat: 47.450°N** **Lon: 18.364°E** **Depth: 8.9 km**
Magnitude: 0.2ML **Rms: 0.03 s** **Gap: 271°** **Erh: 0.4 km** **Erz: 0.3 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	162	E Pg	D	232	41.40	0.03							
PKSG		6	162	E Sg		232	42.90	-0.02							
CSKK		12	219	E Pg	D	232	42.10	0.00							
CSKK		12	219	E Sg		232	44.20	-0.02							
SUKH		29	140	E Sg		232	49.30	0.00							
PKST		32	230	E Pg	D	232	45.40	-0.03							
PKST		32	230	E Sg		232	50.20	0.05							

January 30 2011 **Hour: 02:33:34.8** **Lat: 47.482°N** **Lon: 18.344°E** **Depth: 4.4 km**
Magnitude: 0.1ML **Rms: 0.05 s** **Gap: 279°** **Erh: 0.7 km** **Erz: 1.2 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	161	E Pg	D	233	36.90	0.02							
PKSG		10	161	E Sg		233	38.40	-0.08							
CSKK		14	205	E Pg	D	233	37.60	0.05							
CSKK		14	205	E Sg		233	39.70	0.02							
SUKH		33	142	E Sg		233	45.60	-0.02							
PKST		34	223	E Pg	C	233	40.90	-0.06							
PKST		34	223	E Sg		233	45.80	0.06							

January 30 2011 **Hour: 02:39:27.0** **Lat: 47.445°N** **Lon: 18.374°E** **Depth: 8.8 km**
Magnitude: 0.0ML **Rms: 0.05 s** **Gap: 270°** **Erh: 0.7 km** **Erz: 0.6 km**
Locality: Várgesztes **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	168	E Pg		239	29.00	0.06							
PKSG		6	168	E Sg		239	30.40	-0.03							
CSKK		12	223	E Pg	D	239	29.70	-0.06							
CSKK		12	223	E Sg		239	31.90	0.01							
SUKH		29	141	E Sg		239	36.70	0.01							
PKST		33	231	E Sg		239	37.90	0.02							

January 30 2011 **Hour: 03:30:05.0** **Lat: 47.433°N** **Lon: 18.393°E** **Depth: 10.0 km**
Magnitude: -0.1ML **Rms: 0.06 s** **Gap: 308°** **Erh: 3.6 km** **Erz: 1.6 km**
Locality: Várgesztes **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	183	E Pg		330	07.00	0.07							
PKSG		4	183	E Sg		330	08.40	-0.07							
CSKK		12	232	E Pg	D	330	07.80	-0.06							
CSKK		12	232	E Sg		330	10.10	-0.01							
PKST		33	234	E Sg		330	16.10	0.06							

January 30 2011 **Hour: 04:41:19.5** **Lat: 47.444°N** **Lon: 18.351°E** **Depth: 8.2 km**
Magnitude: 0.7ML **Rms: 0.14 s** **Gap: 269°** **Erh: 1.7 km** **Erz: 1.2 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	153	E Pg	C	441	21.30	-0.06							
PKSG		6	153	E Sg		441	22.70	-0.11							
CSKK		11	218	E Pg	D	441	22.00	0.01							
CSKK		11	218	E Sg		441	24.10	0.18							
SUKH		30	138	E Pg		441	25.30	0.24							
SUKH		30	138	E Sg		441	29.20	-0.19							
PKST		31	229	E Pg	C	441	25.20	-0.12							
PKST		31	229	E Sg		441	29.90	0.04							

January 30 2011 **Hour: 05:12:09.1** **Lat: 47.451°N** **Lon: 18.376°E** **Depth: 9.7 km**
Magnitude: -0.2ML **Rms: 0.06 s** **Gap: 280°** **Erh: 1.5 km** **Erz: 1.1 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	171	E Pg		512	11.30	0.06							
PKSG		6	171	E Sg		512	12.80	-0.09							
CSKK		13	222	E Pg		512	12.00	-0.05							
CSKK		13	222	E Sg		512	14.40	0.08							
SUKH		29	142	E Sg		512	19.00	0.00							

January 30 2011 **Hour: 06:29:15.4** **Lat: 47.450°N** **Lon: 18.370°E** **Depth: 8.6 km**
Magnitude: 0.1ML **Rms: 0.09 s** **Gap: 271°** **Erh: 1.3 km** **Erz: 1.0 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	166	E Pg	C	629	17.40	0.05							
PKSG		6	166	E Sg		629	18.80	-0.06							
CSKK		12	221	E Pg	C	629	18.00	-0.14							
CSKK		12	221	E Sg		629	20.40	0.13							
SUKH		29	141	E Sg		629	25.20	-0.02							
PKST		33	230	E Pg	C	629	21.60	0.09							
PKST		33	230	E Sg		629	26.20	-0.06							

January 30 2011 **Hour: 06:29:37.6** **Lat: 47.452°N** **Lon: 18.380°E** **Depth: 8.6 km**
Magnitude: 0.2ML **Rms: 0.05 s** **Gap: 272°** **Erh: 0.8 km** **Erz: 0.7 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	173	E Pg	C	629	39.60	-0.01							
PKSG		6	173	E Sg		629	41.20	0.07							
CSKK		13	222	E Pg	C	629	40.50	0.00							
CSKK		13	222	E Sg		629	42.60	-0.12							
SUKH		29	143	E Sg		629	47.40	0.02							
PKST		33	231	E Sg		629	48.80	0.05							

January 30 2011 **Hour: 06:32:08.8** **Lat: 47.455°N** **Lon: 18.370°E** **Depth: 9.0 km**
Magnitude: 0.2ML **Rms: 0.04 s** **Gap: 272°** **Erh: 0.5 km** **Erz: 0.4 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	167	E Pg	D	632	10.90	0.04							
PKSG		7	167	E Sg		632	12.40	-0.06							
CSKK		13	219	E Pg		632	11.60	-0.05							
CSKK		13	219	E Sg		632	13.90	0.04							
SUKH		30	142	E Sg		632	18.80	0.01							
PKST		33	229	E Pg		632	15.00	0.01							
PKST		33	229	E Sg		632	19.80	0.00							

January 30 2011 Hour: **07:08:46.0** Lat: **47.456°N** Lon: **18.366°E** Depth: **8.3 km**
Magnitude: 0.1ML Rms: **0.03 s** Gap: **273°** Erh: **0.4 km** Erz: **0.4 km**
Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	165	E Pg	C	708	48.00	0.03							
PKSG		7	165	E Sg		708	49.50	-0.02							
CSKK		13	218	E Pg	D	708	48.70	-0.04							
CSKK		13	218	E Sg		708	50.90	0.01							
SUKH		30	141	E Sg		708	56.00	0.01							
PKST		33	229	E Sg		708	56.90	0.02							

January 30 2011 Hour: **08:36:24.1** Lat: **47.454°N** Lon: **18.358°E** Depth: **8.1 km**
Magnitude: 0.4ML Rms: **0.11 s** Gap: **272°** Erh: **1.8 km** Erz: **1.2 km**
Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	160	E Pg	C	836	26.00	-0.08							
PKSG		7	160	E Sg		836	27.60	0.00							
SUKH		30	140	E Pg		836	29.90	0.13							
SUKH		30	140	E Sg		836	34.00	-0.18							
PKST		32	228	E Pg	C	836	30.10	-0.04							
PKST		32	228	E Sg		836	35.00	0.17							

January 30 2011 Hour: **08:56:12.2** Lat: **47.453°N** Lon: **18.376°E** Depth: **9.3 km**
Magnitude: 0.3ML Rms: **0.07 s** Gap: **272°** Erh: **1.2 km** Erz: **0.7 km**
Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	171	E Pg	D	856	14.30	0.09							
PKSG		6	171	E Sg		856	15.70	-0.11							
CSKK		13	221	E Pg	D	856	15.00	-0.03							
CSKK		13	221	E Sg		856	17.30	0.02							
SUKH		29	142	E Pg		856	17.60	-0.09							
SUKH		29	142	E Sg		856	22.10	0.09							
PKST		33	230	E Pg	D	856	18.40	0.03							

January 30 2011 Hour: **09:27:58.1** Lat: **47.429°N** Lon: **18.392°E** Depth: **10.0 km**
Magnitude: 0.0ML Rms: **0.06 s** Gap: **306°** Erh: **— km** Erz: **— km**
Locality: Gánt Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	181	E Pg	C	928	00.00	0.01							
PKSG		4	181	E Sg		928	01.50	0.00							
CSKK		12	233	E Sg		928	03.00	-0.10							
PKST		33	235	E Sg		928	09.10	0.09							

January 30 2011 Hour: **10:34:24.9** Lat: **47.453°N** Lon: **18.356°E** Depth: **8.6 km**
Magnitude: 1.0ML Rms: **0.10 s** Gap: **272°** Erh: **1.2 km** Erz: **0.9 km**
Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	159	E Pg	D	1034	26.80	-0.06							
PKSG		7	159	E Sg		1034	28.40	-0.04							
CSKK		12	216	E Pg	C	1034	27.50	-0.03							
CSKK		12	216	E Sg		1034	29.70	0.07							
SUKH		30	140	E Pg	D	1034	30.70	0.17							
SUKH		30	140	E Sg		1034	34.80	-0.15							
PKST		32	228	E Pg	C	1034	30.80	-0.05							
PKST		32	228	E Sg		1034	35.60	0.07							

January 30 2011 Hour: 10:53:30.0 Lat: 47.317°N Lon: 18.474°E Depth: 4.9 km
 Magnitude: 0.1ML Rms: 0.16 s Gap: 296° Erh: 2.4 km Erz: 5.2 km

Locality: Pátka

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	323	E Pg	C	1053	32.20	0.12							
PKSG		10	323	E Sg		1053	33.80	0.11							
CSKK		17	288	E Pg	C	1053	33.00	-0.17							
CSKK		17	288	E Sg		1053	35.40	-0.23							
PKST		33	259	E Sg		1053	41.10	0.20							

January 30 2011 Hour: 12:08:10.1 Lat: 47.430°N Lon: 18.379°E Depth: 10.0 km
 Magnitude: 0.0ML Rms: 0.02 s Gap: 294° Erh: — km Erz: — km

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	168	E Pg	D	1208	12.00	0.01							
PKSG		4	168	E Sg		1208	13.50	-0.01							
CSKK		11	230	E Sg		1208	14.90	-0.02							
PKST		32	234	E Sg		1208	20.80	0.02							

January 30 2011 Hour: 13:22:07.3 Lat: 47.459°N Lon: 18.362°E Depth: 7.9 km
 Magnitude: 0.4ML Rms: 0.27 s Gap: 273° Erh: 3.6 km Erz: 3.0 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	164	E Pg	C	1322	09.20	-0.06							
PKSG		7	164	E Sg		1322	10.80	-0.01							
CSKK		13	216	E Pg		1322	09.70	-0.31							
CSKK		13	216	E Sg		1322	12.40	0.25							
SUKH		30	141	E Pg	C	1322	13.40	0.45							
SUKH		30	141	E Sg		1322	17.10	-0.29							
PKST		33	228	E Sg		1322	18.10	-0.05							

January 30 2011 Hour: 13:34:28.9 Lat: 47.459°N Lon: 18.353°E Depth: 7.6 km
 Magnitude: 2.0ML Rms: 0.33 s Gap: 166° Erh: 1.3 km Erz: 0.7 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	159	E Pg	C	1334	30.90	0.00							
PKSG		8	159	E Sg		1334	32.40	-0.03							
CSKK		12	213	E Pg	D	1334	31.60	0.02							
CSKK		12	213	E Sg		1334	33.70	0.05							
SUKH		31	140	E Pg	D	1334	34.70	0.03							
SUKH		31	140	E Sg		1334	38.90	-0.25							
PKST		32	227	E Pg	C	1334	34.80	-0.14							
PKST		32	227	E Sg		1334	39.80	0.17							
BUD		50	87	E Pg		1334	38.40	0.33							
BUD		50	87	E Sg		1334	44.40	-0.80							
PKS7		76	127	E Sg		1334	53.20	-0.13							
PKS2		125	149	E Sn		1335	07.70	0.03							
PKSN		130	119	E Sn		1335	08.90	0.16							
PKS6		132	136	E Sn		1335	10.00	0.81							
SOP		137	280	E Pn		1334	52.50	0.38							
SOP		137	280	E Sn		1335	09.10	-1.11							
PKSM		140	171	E Pn	C	1334	52.00	-0.51							
BEHE		162	228	E Pn		1334	55.80	0.50							

CHAPTER 1. LOCAL EARTHQUAKES

January 30 2011 Hour: 14:47:24.0 Lat: 47.443°N Lon: 18.364°E Depth: 8.0 km
 Magnitude: 0.5ML Rms: 0.12 s Gap: 269° Erh: 1.5 km Erz: 1.0 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	160	E Pg	C	1447	25.60	-0.15							
PKSG		6	160	E Sg		1447	27.20	0.05							
CSKK		11	221	E Pg	C	1447	26.50	-0.01							
CSKK		11	221	E Sg		1447	28.60	0.11							
SUKH		29	139	E Pg	C	1447	29.60	0.20							
SUKH		29	139	E Sg		1447	33.50	-0.14							
PKST		32	231	E Pg	C	1447	29.80	-0.09							
PKST		32	231	E Sg		1447	34.60	0.09							

January 30 2011 Hour: 16:09:54.3 Lat: 47.410°N Lon: 18.188°E Depth: 12.5 km
 Magnitude: 0.2ML Rms: 0.16 s Gap: 243° Erh: 1.8 km Erz: 1.3 km
 Locality: Pusztavám Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		7	134	E Pg	C	1609	56.60	-0.30							
CSKK		7	134	E Sg		1609	59.00	0.06							
PKSG		15	98	E Pg	C	1609	57.90	0.06							
PKSG		15	98	E Sg		1610	00.70	0.10							
PKST		20	215	E Pg	D	1609	58.50	-0.07							
PKST		20	215	E Sg		1610	02.10	0.19							
SUKH		37	120	E Pg		1610	01.50	0.17							
SUKH		37	120	E Sg		1610	06.70	-0.12							

January 30 2011 Hour: 16:51:26.0 Lat: 47.415°N Lon: 18.378°E Depth: 10.0 km
 Magnitude: 0.0ML Rms: 0.04 s Gap: 282° Erh: — km Erz: — km
 Locality: Gánt Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		2	159	E Pg		1651	27.90	0.02							
PKSG		2	159	E Sg		1651	29.30	-0.03							
CSKK		10	237	E Sg		1651	30.60	-0.05							
PKST		31	236	E Sg		1651	36.50	0.05							

January 30 2011 Hour: 19:30:04.4 Lat: 47.431°N Lon: 18.391°E Depth: 10.0 km
 Magnitude: -0.3ML Rms: 0.05 s Gap: 306° Erh: 3.6 km Erz: 1.5 km
 Locality: Gánt Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	180	E Pg		1930	06.40	0.05							
PKSG		4	180	E Sg		1930	07.80	-0.07							
CSKK		12	232	E Pg		1930	07.20	-0.05							
CSKK		12	232	E Sg		1930	09.50	0.03							
PKST		33	235	E Sg		1930	15.40	0.02							

January 30 2011 Hour: 20:49:56.1 Lat: 47.431°N Lon: 18.375°E Depth: 10.0 km
 Magnitude: -0.3ML Rms: 0.10 s Gap: 291° Erh: 2.0 km Erz: 0.8 km
 Locality: Gánt Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	164	E Pg	D	2049	58.10	0.04							
PKSG		4	164	E Sg		2049	59.50	-0.08							
CSKK		11	229	E Pg	D	2049	58.70	-0.11							
CSKK		11	229	E Sg		2050	00.80	-0.13							
PKST		32	233	E Pg	D	2050	02.20	0.11							
PKST		32	233	E Sg		2050	06.90	0.14							

January 30 2011 Hour: 20:58:45.6 Lat: 47.480°N Lon: 18.340°E Depth: 7.0 km
 Magnitude: 2.7ML Rms: 0.39 s Gap: 80° Erh: 1.7 km Erz: 1.4 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	159	E Pg	C	2058	47.90	-0.01							
PKSG		10	159	E Sg		2058	49.30	-0.37							
CSKK		14	205	E Pg	D	2058	48.60	0.11							
CSKK		14	205	E Sg		2058	50.80	0.08							
SUKH		33	142	E Pg	C	2058	51.60	-0.19							
SUKH		33	142	E Sg		2058	55.80	-0.78							
PKST		33	223	E Pg	C	2058	51.80	0.00							
PKST		33	223	E Sg		2058	56.70	0.10							
BUD		51	90	E Pg	D	2058	54.90	-0.03							
BUD		51	90	E Sg		2059	01.30	-0.88							
PKS7		78	128	E Pg		2058	59.80	0.07							
PKS7		78	128	E Sg		2059	08.60	-2.12							
ZST		122	311	E Pn		2059	05.90	-1.12							
ZST		122	311	E Sn		2059	20.20	-3.48							
PSZ		126	67	E Pn		2059	07.20	-0.35							
PSZ		126	67	E Sn		2059	23.50	-1.14							
PKSN		132	119	E Pn	D	2059	09.30	0.97							
PKSN		132	119	E Sn		2059	25.50	-0.52							
SMOL		133	329	E Pn		2059	08.80	0.36							
SMOL		133	329	E Sn		2059	24.30	-1.91							
PKS6		135	136	E Pn		2059	08.80	0.17							
PKS6		135	136	E Sn		2059	26.30	-0.25							
SOP		135	280	E Pn	D	2059	08.60	-0.14							
SOP		135	280	E Sn		2059	25.20	-1.55							
PKSM		142	171	E Pn	C	2059	08.90	-0.70							
PKSM		142	171	E Sn		2059	24.80	-3.49							
BEHE		163	227	E Pn	D	2059	12.60	0.41							
BEHE		163	227	E Sn		2059	32.20	-0.70							
CONA		192	285	Pn		2059	15.60	-0.19							
ARSA		214	263	Pn		2059	18.70	0.19							
VRAC		240	328	I Pn	D	2059	22.40	0.57							
MORC		262	347	I Pn		2059	25.60	1.14							
OKC		262	357	E Pn		2059	26.50	1.98							
OKC		262	357	E Sn		2059	54.90	0.06							
SOKA		266	250	Pn		2059	25.20	0.18							
SIRR		286	118	I Pn		2059	27.10	-0.44							
TREC		292	314	E Pn		2059	28.60	0.38							
TREC		292	314	E Sn		2000	00.00	-1.42							
STHS		304	45	E Pn		2059	31.30	1.59							
KRLC		310	338	E Pn		2059	31.70	1.20							
KRLC		310	338	E Sn		2000	05.80	0.31							
BZS		325	130	I Pn		2059	32.00	-0.40							
DRGR		340	103	I Pn		2059	34.10	-0.12							
DPC		351	335	E Pn		2059	36.60	0.95							
DPC		351	335	E Sn		2000	12.60	-2.05							
GOPC		376	316	E Pn		2059	39.00	0.28							
GOPC		376	316	E Sn		2000	17.60	-2.51							
UPC		377	333	E Pn		2059	40.10	1.27							
KBA		380	263	Pn		2059	40.00	0.76							

CHAPTER 1. LOCAL EARTHQUAKES

PRU	394	315	E	Pn	2059	41.10	0.09
PRU	394	315	E	Sn	2000	21.90	-2.30
MDVR	397	139	I	Pn	2059	41.20	-0.14
KHC	398	297	E	Pn	2059	42.00	0.57
KHC	398	297	E	Sn	2000	23.90	-1.04
GZR	412	124	I	Pn	2059	43.60	0.39
PVCC	437	321	E	Pn	2059	47.70	1.42
PVCC	437	321	E	Sn	2000	33.10	-0.48
BURB	517	88	I	Pn	2059	57.00	0.64
NKC	529	305	E	Pn	2059	57.90	0.05

January 30 2011 Hour: 21:09:04.1 Lat: 47.452°N Lon: 18.365°E Depth: 10.0 km
 Magnitude: 0.0ML Rms: 0.05 s Gap: 295° Erh: — km Erz: — km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	164	E	Pg	2109	06.30	0.03							
PKSG		7	164	E	Sg	2109	07.90	-0.07							
CSKK		12	219	E	Sg	2109	09.30	0.07							
PKST		33	229	E	Sg	2109	15.00	-0.05							

January 30 2011 Hour: 21:11:39.3 Lat: 47.441°N Lon: 18.359°E Depth: 9.1 km
 Magnitude: 0.7ML Rms: 0.15 s Gap: 268° Erh: 1.8 km Erz: 1.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	157	E	Pg	D 2111	41.10	-0.11							
PKSG		5	157	E	Sg	2111	42.70	-0.02							
CSKK		11	221	E	Pg	D 2111	41.90	0.02							
CSKK		11	221	E	Sg	2111	44.00	0.09							
SUKH		29	139	E	Pg	D 2111	45.00	0.23							
SUKH		29	139	E	Sg	2111	48.90	-0.15							
PKST		31	231	E	Pg	D 2111	45.00	-0.18							
PKST		31	231	E	Sg	2111	50.00	0.21							

January 30 2011 Hour: 21:14:54.0 Lat: 47.321°N Lon: 18.474°E Depth: 5.0 km
 Magnitude: 0.0ML Rms: 0.20 s Gap: 297° Erh: 1.1 km Erz: 2.1 km

Locality: Pátka

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	321	E	Pg	C 2114	56.10	0.13							
PKSG		10	321	E	Sg	2114	57.70	0.17							
CSKK		16	286	E	Pg	D 2114	56.90	-0.19							
CSKK		16	286	E	Sg	2114	59.20	-0.32							
PKST		33	258	E	Sg	2115	05.10	0.23							

January 30 2011 Hour: 21:21:33.7 Lat: 47.457°N Lon: 18.357°E Depth: 8.5 km
 Magnitude: 0.3ML Rms: 0.23 s Gap: 273° Erh: 2.8 km Erz: 2.2 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	161	E	Pg	C 2121	35.60	-0.13							
PKSG		7	161	E	Sg	2121	37.20	-0.13							
CSKK		12	215	E	Pg	D 2121	36.40	-0.02							
CSKK		12	215	E	Sg	2121	38.80	0.25							
SUKH		30	141	E	Pg	C 2121	39.80	0.40							
SUKH		30	141	E	Sg	2121	43.60	-0.26							
PKST		32	228	E	Pg	D 2121	39.50	-0.25							
PKST		32	228	E	Sg	2121	44.70	0.23							

January 30 2011 Hour: **21:22:25.2** Lat: **47.468°N** Lon: **18.367°E** Depth: **10.0 km**
Magnitude: -0.2ML Rms: **0.17 s** Gap: **301°** Erh: **13.4 km** Erz: **11.0 km**

Locality: **Oroszlány**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	168	E Pg		2122	27.80	0.22							
PKSG		8	168	E Sg		2122	29.30	-0.13							
CSKK		14	214	E Pg		2122	28.10	-0.21							
CSKK		14	214	E Sg		2122	30.80	0.07							
PKST		34	227	E Sg		2122	36.60	0.05							

January 30 2011 Hour: **21:26:12.5** Lat: **47.321°N** Lon: **18.467°E** Depth: **5.0 km**
Magnitude: 0.1ML Rms: **0.22 s** Gap: **294°** Erh: **3.4 km** Erz: **6.7 km**

Locality: **Pátka**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	324	E Pg		2126	14.60	0.16							
PKSG		9	324	E Sg		2126	16.10	0.13							
CSKK		16	287	E Pg	D	2126	15.30	-0.22							
CSKK		16	287	E Sg		2126	17.60	-0.30							
PKST		33	258	E Sg		2126	23.50	0.27							

January 30 2011 Hour: **21:43:28.3** Lat: **47.460°N** Lon: **18.375°E** Depth: **10.0 km**
Magnitude: -0.1ML Rms: **0.07 s** Gap: **302°** Erh: **3.5 km** Erz: **2.5 km**

Locality: **Várgesztes**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	171	E Pg		2143	30.60	0.05							
PKSG		7	171	E Sg		2143	32.20	-0.10							
CSKK		13	219	E Pg		2143	31.30	-0.04							
CSKK		13	219	E Sg		2143	33.70	-0.02							
PKST		34	229	E Sg		2143	39.70	0.11							

January 30 2011 Hour: **21:57:39.6** Lat: **47.445°N** Lon: **18.367°E** Depth: **8.8 km**
Magnitude: 0.7ML Rms: **0.15 s** Gap: **270°** Erh: **1.7 km** Erz: **1.1 km**

Locality: **Oroszlány**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	163	E Pg	D	2157	41.40	-0.10							
PKSG		6	163	E Sg		2157	42.90	-0.10							
CSKK		12	221	E Pg	D	2157	42.20	-0.06							
CSKK		12	221	E Sg		2157	44.60	0.25							
SUKH		29	140	E Pg		2157	45.30	0.24							
SUKH		29	140	E Sg		2157	49.20	-0.13							
PKST		32	230	E Pg	C	2157	45.50	-0.10							
PKST		32	230	E Sg		2157	50.40	0.09							

January 30 2011 Hour: **22:12:27.7** Lat: **47.445°N** Lon: **18.370°E** Depth: **9.1 km**
Magnitude: 0.2ML Rms: **0.08 s** Gap: **270°** Erh: **1.1 km** Erz: **0.8 km**

Locality: **Oroszlány**

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	165	E Pg		2212	29.70	0.05							
PKSG		6	165	E Sg		2212	31.10	-0.09							
CSKK		12	222	E Pg		2212	30.30	-0.12							
CSKK		12	222	E Sg		2212	32.70	0.14							
SUKH		29	140	E Sg		2212	37.40	-0.03							
PKST		32	231	E Pg		2212	33.80	0.05							
PKST		32	231	E Sg		2212	38.50	0.01							

January 30 2011 Hour: 22:16:31.2 Lat: 47.473°N Lon: 18.361°E Depth: 7.4 km
 Magnitude: 0.3ML Rms: 0.06 s Gap: 277° Erh: 0.8 km Erz: 0.9 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	166	E Pg	C	2216	33.40	0.06							
PKSG		9	166	E Sg		2216	34.90	-0.10							
CSKK		14	212	E Pg		2216	34.10	0.00							
CSKK		14	212	E Sg		2216	36.40	0.05							
SUKH		32	143	E Sg		2216	41.70	0.01							
PKST		34	226	E Pg	C	2216	37.40	-0.07							
PKST		34	226	E Sg		2216	42.40	0.04							

January 30 2011 Hour: 22:25:34.3 Lat: 47.419°N Lon: 18.395°E Depth: 10.0 km
 Magnitude: -0.4ML Rms: 0.04 s Gap: 307° Erh: — km Erz: — km

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	186	E Pg		2225	36.20	0.02							
PKSG		3	186	E Sg		2225	37.60	-0.04							
CSKK		11	239	E Sg		2225	39.20	-0.06							
PKST		32	237	E Sg		2225	45.20	0.06							

January 30 2011 Hour: 23:51:54.6 Lat: 47.420°N Lon: 18.393°E Depth: 10.0 km
 Magnitude: -0.1ML Rms: 0.04 s Gap: 306° Erh: — km Erz: — km

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	184	E Pg		2351	56.50	0.01							
PKSG		3	184	E Sg		2351	57.90	-0.05							
CSKK		11	238	E Sg		2351	59.60	0.05							
PKST		32	237	E Sg		2352	05.40	-0.02							

January 31 2011 Hour: 00:23:02.1 Lat: 47.454°N Lon: 18.379°E Depth: 10.0 km
 Magnitude: -0.1ML Rms: 0.07 s Gap: 303° Erh: 4.8 km Erz: 3.2 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	173	E Pg		023	04.40	0.08							
PKSG		6	173	E Sg		023	05.90	-0.11							
CSKK		13	222	E Pg		023	05.10	-0.04							
CSKK		13	222	E Sg		023	07.50	0.02							
PKST		33	230	E Sg		023	13.40	0.02							

January 31 2011 Hour: 00:25:28.5 Lat: 47.492°N Lon: 18.340°E Depth: 8.2 km
 Magnitude: 2.4ML Rms: 0.48 s Gap: 81° Erh: 1.7 km Erz: 1.5 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	161	E Pg	C	025	31.10	0.05							
PKSG		11	161	E Sg		025	32.50	-0.54							
CSKK		15	203	E Pg	D	025	31.80	0.18							
CSKK		15	203	E Sg		025	34.00	-0.07							
SUKH		34	143	E Pg	D	025	34.90	0.04							
SUKH		34	143	E Sg		025	38.90	-0.92							
PKST		34	222	E Pg	C	025	35.00	0.14							
PKST		34	222	E Sg		025	39.70	-0.13							
BUD		51	91	E Pg		025	38.10	0.29							
BUD		51	91	E Sg		025	44.40	-0.67							

PKS7	79	129	E	Pg	C	025	44.00	1.26
PKS7	79	129	E	Sg		025	53.70	-0.15
ZST	121	310	E	Pn		025	49.00	-0.61
PSZ	125	68	E	Pn	C	025	50.50	0.32
PSZ	125	68	E	Sn		026	06.90	-0.20
SMOL	132	329	E	Pn		025	51.30	0.31
SMOL	132	329	E	Sn		026	07.70	-0.84
PKSN	133	120	E	Sn		026	09.10	0.37
SOP	135	279	E	Sn		026	08.30	-0.97
PKSM	144	171	E	Pn	C	025	52.10	-0.35
BEHE	164	226	E	Pn	D	025	55.80	0.80
VRAC	239	327	I	Pn	D	026	05.00	0.61
MORC	260	347	I	Pn		026	06.40	-0.60
KRLC	309	338	E	Pn		026	14.90	1.86
KRLC	309	338	E	Sn		026	47.90	0.10
BLY	313	197	I	Pn	D	026	13.90	0.32
BZS	326	130	I	Pn		026	15.30	0.11
DRGR	340	103	I	Pn		026	17.50	0.55
DPC	350	335	E	Pn		026	19.50	1.31
DPC	350	335	E	Sn		026	56.80	-0.16
KHC	397	297	E	Pn		026	25.20	1.16
KHC	397	297	E	Sn		027	06.00	-1.37
MDVR	398	139	I	Pn		026	24.30	0.15
GZR	413	124	I	Pn	D	026	25.80	-0.19

January 31 2011 **Hour: 00:28:25.5** **Lat: 47.449°N** **Lon: 18.372°E** **Depth: 10.0 km**
Magnitude: -0.5ML **Rms: 0.11 s** **Gap: 297°** **Erh: — km** **Erz: — km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	167	E Pg		028	27.60	0.01							
PKSG		6	167	E Sg		028	29.10	-0.15							
CSKK		12	222	E Sg		028	30.80	0.20							
PKST		33	230	E Sg		028	36.40	-0.05							

January 31 2011 **Hour: 00:31:27.9** **Lat: 47.424°N** **Lon: 18.380°E** **Depth: 10.2 km**
Magnitude: 0.1ML **Rms: 0.05 s** **Gap: 264°** **Erh: 0.7 km** **Erz: 0.4 km**
Locality: Gánt **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	168	E Pg		031	29.90	0.00							
PKSG		3	168	E Sg		031	31.40	-0.02							
CSKK		11	233	E Pg		031	30.60	-0.08							
CSKK		11	233	E Sg		031	32.90	0.10							
SUKH		27	139	E Sg		031	37.10	-0.03							
PKST		32	235	E Pg		031	34.00	0.06							
PKST		32	235	E Sg		031	38.60	-0.02							

January 31 2011 **Hour: 00:47:23.9** **Lat: 47.439°N** **Lon: 18.372°E** **Depth: 10.0 km**
Magnitude: -0.5ML **Rms: 0.10 s** **Gap: 293°** **Erh: — km** **Erz: — km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	165	E Pg	C	047	26.00	0.05							
PKSG		5	165	E Sg		047	27.40	-0.14							
CSKK		11	225	E Sg		047	29.00	0.14							
PKST		32	232	E Sg		047	34.60	-0.10							

January 31 2011 **Hour: 01:10:38.8** **Lat: 47.441°N** **Lon: 18.376°E** **Depth: 10.0 km**
Magnitude: -0.1ML **Rms: 0.04 s** **Gap: 296°** **Erh: 3.3 km** **Erz: 1.8 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	168	E Pg	C	110	40.90	0.04							
PKSG		5	168	E Sg		110	42.40	-0.05							
CSKK		12	225	E Pg	D	110	41.60	-0.04							
CSKK		12	225	E Sg		110	43.90	0.06							
PKST		32	232	E Sg		110	49.70	-0.01							

January 31 2011 **Hour: 01:37:57.2** **Lat: 47.437°N** **Lon: 18.374°E** **Depth: 10.0 km**
Magnitude: 0.6ML **Rms: 0.03 s** **Gap: 294°** **Erh: 1.1 km** **Erz: 0.5 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	166	E Pg		137	59.20	-0.03							
PKSG		5	166	E Sg		138	00.80	0.00							
CSKK		11	226	E Pg	D	138	00.00	0.02							
CSKK		11	226	E Sg		138	02.10	-0.05							
PKST		32	232	E Pg	C	138	03.30	0.03							
PKST		32	232	E Sg		138	08.00	0.00							

January 31 2011 **Hour: 02:15:51.3** **Lat: 47.344°N** **Lon: 18.450°E** **Depth: 10.0 km**
Magnitude: 0.0ML **Rms: 0.16 s** **Gap: 293°** **Erh: 3.4 km** **Erz: 2.5 km**

Locality: Zámoly

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	320	E Pg	C	215	53.60	0.11							
PKSG		6	320	E Sg		215	55.20	0.01							
CSKK		14	278	E Pg	D	215	54.30	-0.16							
CSKK		14	278	E Sg		215	56.60	-0.31							
PKST		32	253	E Pg	C	215	57.50	0.05							
PKST		32	253	E Sg		216	02.50	0.27							

January 31 2011 **Hour: 03:16:41.7** **Lat: 47.444°N** **Lon: 18.380°E** **Depth: 10.0 km**
Magnitude: 0.1ML **Rms: 0.03 s** **Gap: 300°** **Erh: 0.3 km** **Erz: 0.2 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	172	E Pg	C	316	43.80	0.01							
PKSG		5	172	E Sg		316	45.40	0.00							
CSKK		12	225	E Pg	D	316	44.60	-0.01							
CSKK		12	225	E Sg		316	46.80	-0.06							
PKST		33	232	E Sg		316	52.80	0.05							

January 31 2011 **Hour: 04:20:18.6** **Lat: 47.435°N** **Lon: 18.384°E** **Depth: 10.0 km**
Magnitude: 0.1ML **Rms: 0.06 s** **Gap: 300°** **Erh: 3.1 km** **Erz: 1.3 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	174	E Pg	D	420	20.60	0.07							
PKSG		4	174	E Sg		420	22.00	-0.08							
CSKK		12	229	E Pg	D	420	21.30	-0.07							
CSKK		12	229	E Sg		420	23.60	0.02							
PKST		32	233	E Pg		420	24.70	0.02							
PKST		32	233	E Sg		420	29.50	0.03							

January 31 2011 Hour: 06:58:58.7 Lat: 47.327°N Lon: 18.467°E Depth: 5.0 km
 Magnitude: 0.4ML Rms: 0.30 s Gap: 296° Erh: 0.7 km Erz: 1.3 km
 Locality: Lovasberény Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	321	E Pg	C	659	00.80	0.19							
PKSG		9	321	E Sg		659	02.30	0.22							
CSKK		16	284	E Pg		659	01.50	-0.25							
CSKK		16	284	E Sg		659	03.60	-0.50							
PKST		33	257	E Sg		659	09.90	0.37							

January 31 2011 Hour: 07:08:16.1 Lat: 47.357°N Lon: 18.424°E Depth: 10.0 km
 Magnitude: 0.1ML Rms: 0.19 s Gap: 283° Erh: 4.4 km Erz: 2.4 km
 Locality: Gánt Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	327	E Pg		708	18.10	0.04							
PKSG		4	327	E Sg		708	19.80	0.21							
CSKK		12	273	E Pg		708	18.80	-0.14							
CSKK		12	273	E Sg		708	20.70	-0.45							
PKST		31	250	E Pg	C	708	22.00	0.01							
PKST		31	250	E Sg		708	26.90	0.32							

January 31 2011 Hour: 07:12:40.0 Lat: 47.324°N Lon: 18.464°E Depth: 5.0 km
 Magnitude: 0.1ML Rms: 0.21 s Gap: 294° Erh: 4.7 km Erz: 8.9 km
 Locality: Pátka Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	324	E Pg		712	42.10	0.17							
PKSG		9	324	E Sg		712	43.50	0.09							
CSKK		16	286	E Pg		712	42.80	-0.22							
CSKK		16	286	E Sg		712	45.10	-0.26							
PKST		33	257	E Sg		712	51.00	0.26							

January 31 2011 Hour: 07:13:57.4 Lat: 47.447°N Lon: 18.372°E Depth: 10.0 km
 Magnitude: 0.2ML Rms: 0.09 s Gap: 297° Erh: 5.7 km Erz: 3.5 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	167	E Pg		713	59.60	0.10							
PKSG		6	167	E Sg		714	01.00	-0.15							
CSKK		12	222	E Pg	D	714	00.20	-0.06							
CSKK		12	222	E Sg		714	02.50	0.00							
PKST		33	231	E Sg		714	08.40	0.05							

January 31 2011 Hour: 08:53:17.6 Lat: 47.386°N Lon: 18.416°E Depth: 0.0 km
 Magnitude: 1.2ML Rms: 0.32 s Gap: 207° Erh: 2.6 km Erz: 454 km
 Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		2	289	E Pg	C	853	17.90	-0.02							
PKSG		2	289	E Sg		853	18.70	0.50							
CSKK		12	258	E Pg	C	853	19.30	-0.40							
CSKK		12	258	E Sg		853	21.50	0.12							
SUKH		22	136	E Pg	C	853	21.70	0.22							
SUKH		22	136	E Sg		853	24.60	0.06							
PKST		32	244	E Pg	C	853	22.90	-0.39							
PKST		32	244	E Sg		853	28.30	0.53							

CHAPTER 1. LOCAL EARTHQUAKES

January 31 2011 Hour: 09:00:28.8 Lat: 47.363°N Lon: 18.368°E Depth: 0.0 km
 Magnitude: 1.0ML Rms: 0.40 s Gap: 120° Erh: 2.1 km Erz: 610 km
 Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	27	E Pg	C	900	29.20	-0.26							
PKSG		3	27	E Sg		900	29.90	-0.07							
CSKK		8	270	E Pg	C	900	30.60	0.34							
CSKK		8	270	E Sg		900	31.60	0.20							
SUKH		23	125	E Pg	C	900	33.50	0.58							
SUKH		23	125	E Sg		900	35.80	-0.33							
PKST		27	245	E Pg	C	900	33.20	-0.56							

January 31 2011 Hour: 09:00:38.9 Lat: 47.386°N Lon: 18.404°E Depth: 0.0 km
 Magnitude: 1.3ML Rms: 0.34 s Gap: 194° Erh: 3.1 km Erz: 515 km
 Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		1	301	E Pg	C	900	39.20	0.09							
PKSG		1	301	E Sg		900	40.00	0.73							
CSKK		11	257	E Pg	C	900	40.50	-0.39							
CSKK		11	257	E Sg		900	42.30	-0.14							
SUKH		22	135	E Pg	C	900	42.80	-0.15							
SUKH		22	135	E Sg		900	46.60	0.49							

January 31 2011 Hour: 10:05:39.4 Lat: 47.451°N Lon: 18.355°E Depth: 8.3 km
 Magnitude: 1.2ML Rms: 0.18 s Gap: 271° Erh: 2.2 km Erz: 1.6 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	157	E Pg	C	1005	41.20	-0.11							
PKSG		7	157	E Sg		1005	42.70	-0.13							
CSKK		12	216	E Pg	D	1005	42.00	0.02							
CSKK		12	216	E Sg		1005	44.20	0.19							
SUKH		30	139	E Pg	C	1005	45.30	0.30							
SUKH		30	139	E Sg		1005	49.20	-0.19							
PKST		32	229	E Pg	D	1005	45.10	-0.21							
PKST		32	229	E Sg		1005	50.10	0.15							

January 31 2011 Hour: 13:24:57.4 Lat: 47.446°N Lon: 18.378°E Depth: 10.5 km
 Magnitude: 0.2ML Rms: 0.04 s Gap: 270° Erh: 0.6 km Erz: 0.5 km
 Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	171	E Pg	C	1324	59.60	0.03							
PKSG		6	171	E Sg		1325	01.20	-0.06							
CSKK		12	224	E Pg	D	1325	00.30	-0.05							
CSKK		12	224	E Sg		1325	02.70	0.05							
SUKH		28	141	E Sg		1325	07.20	0.02							
PKST		33	231	E Sg		1325	08.50	0.02							

January 31 2011 Hour: 13:25:49.8 Lat: 47.452°N Lon: 18.354°E Depth: 8.4 km
 Magnitude: 0.9ML Rms: 0.06 s Gap: 271° Erh: 0.8 km Erz: 0.5 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	158	E Pg	D	1325	51.70	-0.05							
PKSG		7	158	E Sg		1325	53.30	0.00							
CSKK		12	215	E Pg	D	1325	52.40	0.00							
CSKK		12	215	E Sg		1325	54.50	0.04							

SUKH	30	140	E	Pg	1325	55.50	0.06
SUKH	30	140	E	Sg	1325	59.80	-0.06
PKST	32	228	E	Pg	1325	55.70	-0.03
PKST	32	228	E	Sg	1326	00.70	0.32

January 31 2011 **Hour: 22:55:45.2** **Lat: 47.354°N** **Lon: 18.436°E** **Depth: 10.0 km**
Magnitude: 0.0ML **Rms: 0.13 s** **Gap: 291°** **Erh: 2.3 km** **Erz: 1.4 km**

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	320	E	Pg	2255	47.30	0.08							
PKSG		5	320	E	Sg	2255	48.80	0.00							
CSKK		13	274	E	Pg	D	2255	48.00	-0.17						
CSKK		13	274	E	Sg		2255	50.30	-0.19						
PKST		32	251	E	Pg		2255	51.30	0.09						
PKST		32	251	E	Sg		2255	56.10	0.19						

February 01 2011 **Hour: 00:15:44.7** **Lat: 47.413°N** **Lon: 18.345°E** **Depth: 4.4 km**
Magnitude: 0.4ML **Rms: 0.39 s** **Gap: 250°** **Erh: 7.0 km** **Erz: 4.1 km**

Locality: Gánt

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	124	E	Sg		015	46.70	0.09						
CSKK		8	229	E	Pg	D	015	45.90	-0.48						
CSKK		8	229	E	Sg		015	48.00	0.30						
SUKH		27	133	E	Pg		015	50.20	0.47						
SUKH		27	133	E	Sg		015	53.20	-0.47						
PKST		29	234	E	Sg		015	54.10	0.08						

February 01 2011 **Hour: 00:45:39.3** **Lat: 47.444°N** **Lon: 18.365°E** **Depth: 13.7 km**
Magnitude: 0.3ML **Rms: 0.28 s** **Gap: 269°** **Erh: 3.2 km** **Erz: 2.1 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	161	E	Pg	D	045	42.10	0.10						
PKSG		6	161	E	Sg		045	43.50	-0.59						
CSKK		11	221	E	Pg	D	045	42.80	0.23						
CSKK		11	221	E	Sg		045	45.10	0.00						
SUKH		29	140	E	Pg		045	45.10	-0.01						
SUKH		29	140	E	Sg		045	49.80	0.18						
PKST		32	231	E	Pg	D	045	45.20	-0.39						
PKST		32	231	E	Sg		045	50.90	0.42						

February 01 2011 **Hour: 01:26:59.9** **Lat: 47.486°N** **Lon: 18.338°E** **Depth: 0.0 km**
Magnitude: -0.2ML **Rms: 0.05 s** **Gap: 297°** **Erh: — km** **Erz: — km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	159	E	Pg	C	127	01.90	0.00						
PKSG		11	159	E	Sg		127	03.40	-0.06						
CSKK		14	203	E	Sg		127	04.70	0.08						
PKST		34	222	E	Sg		127	10.70	-0.03						

February 01 2011 **Hour: 01:54:12.6** **Lat: 47.477°N** **Lon: 18.334°E** **Depth: 0.1 km**
Magnitude: -0.7ML **Rms: 0.24 s** **Gap: 293°** **Erh: 6.5 km** **Erz: 857 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	156	E	Pg	D	154	14.20	-0.26						
PKSG		10	156	E	Sg		154	15.90	0.01						

CHAPTER 1. LOCAL EARTHQUAKES

CSKK 13 204 E Pg 154 15.40 0.33
 CSKK 13 204 E Sg 154 17.10 0.11
 PKST 33 223 E Sg 154 22.90 -0.25

February 01 2011 Hour: 02:02:44.8 Lat: 47.456°N Lon: 18.358°E Depth: 7.7 km
Magnitude: 0.4ML Rms: 0.14 s Gap: 272° Erh: 1.8 km Erz: 1.4 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	161	E Pg	D	202	46.70	-0.05							
PKSG		7	161	E Sg		202	48.30	0.05							
CSKK		12	216	E Pg	D	202	47.50	0.03							
CSKK		12	216	E Sg		202	49.50	-0.04							
SUKH		30	141	E Pg		202	50.70	0.22							
SUKH		30	141	E Sg		202	54.60	-0.30							
PKST		32	228	E Pg	D	202	50.70	-0.15							
PKST		32	228	E Sg		202	55.70	0.15							

February 01 2011 Hour: 02:09:42.6 Lat: 47.506°N Lon: 18.347°E Depth: 0.0 km
Magnitude: -0.1ML Rms: 0.10 s Gap: 305° Erh: 2.0 km Erz: 225 km

Locality: Vértessomló

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		13	165	E Pg	C	209	45.00	0.05							
PKSG		13	165	E Sg		209	46.60	-0.19							
CSKK		17	202	E Pg		209	45.70	0.03							
CSKK		17	202	E Sg		209	48.20	0.13							
PKST		36	221	E Sg		209	54.00	-0.12							

February 01 2011 Hour: 02:37:02.5 Lat: 47.480°N Lon: 18.332°E Depth: 0.2 km
Magnitude: -0.1ML Rms: 0.12 s Gap: 293° Erh: 1.5 km Erz: 67.0 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	156	E Pg	C	237	04.30	-0.08							
PKSG		10	156	E Sg		237	05.80	-0.09							
CSKK		14	202	E Pg		237	05.10	0.13							
CSKK		14	202	E Sg		237	07.10	0.16							
PKST		33	222	E Sg		237	12.90	-0.15							

February 01 2011 Hour: 02:55:51.5 Lat: 47.363°N Lon: 18.264°E Depth: 10.2 km
Magnitude: -0.5ML Rms: 0.02 s Gap: 165° Erh: 0.7 km Erz: 0.2 km

Locality: Csókakő

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		0	280	E Pg	C	255	53.30	0.03							
CSKK		0	280	E Sg		255	54.70	0.00							
PKSG		10	71	E Pg	C	255	54.00	-0.01							
PKSG		10	71	E Sg		255	56.00	-0.01							
PKST		20	236	E Sg		255	58.80	-0.03							

February 01 2011 Hour: 03:33:20.2 Lat: 47.437°N Lon: 18.367°E Depth: 9.5 km
Magnitude: 0.0ML Rms: 0.04 s Gap: 267° Erh: 0.5 km Erz: 0.4 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	160	E Pg	C	333	22.10	-0.04							
PKSG		5	160	E Sg		333	23.70	0.04							
CSKK		11	225	E Pg	D	333	22.90	0.04							
CSKK		11	225	E Sg		333	24.90	-0.03							

SUKH 28 139 E Sg 333 29.80 0.01
 PKST 32 232 E Sg 333 30.80 0.00

February 01 2011 Hour: 03:40:53.7 Lat: 47.450°N Lon: 18.371°E Depth: 8.6 km
Magnitude: -0.2ML Rms: 0.04 s Gap: 271° Erh: 0.6 km Erz: 0.6 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	167	E Pg	D	340	55.70	0.05							
PKSG		6	167	E Sg		340	57.10	-0.06							
CSKK		12	221	E Pg	D	340	56.40	-0.05							
CSKK		12	221	E Sg		340	58.60	0.01							
SUKH		29	141	E Sg		341	03.50	0.00							
PKST		33	230	E Sg		341	04.60	0.03							

February 01 2011 Hour: 04:16:11.9 Lat: 47.449°N Lon: 18.369°E Depth: 8.5 km
Magnitude: 0.1ML Rms: 0.00 s Gap: 295° Erh: 0.3 km Erz: 0.2 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	165	E Pg	D	416	13.80	0.00							
PKSG		6	165	E Sg		416	15.30	0.00							
CSKK		12	221	E Pg		416	14.60	0.00							
CSKK		12	221	E Sg		416	16.70	-0.01							
PKST		32	230	E Sg		416	22.70	0.00							

February 01 2011 Hour: 10:54:09.6 Lat: 47.412°N Lon: 18.235°E Depth: 0.5 km
Magnitude: 0.4ML Rms: 0.05 s Gap: 239° Erh: 3.0 km Erz: 27.6 km

Locality: Pusztavám

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		5	160	E Pg		1054	10.70	0.07							
CSKK		5	160	E Sg		1054	11.40	-0.04							
PKSG		12	101	E Pg		1054	11.70	-0.03							
PKSG		12	101	E Sg		1054	13.40	0.00							
PKST		22	222	E Sg		1054	16.80	-0.04							

February 01 2011 Hour: 17:44:39.4 Lat: 47.471°N Lon: 18.366°E Depth: 6.8 km
Magnitude: 0.2ML Rms: 0.14 s Gap: 143° Erh: 0.7 km Erz: 1.0 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	10	E Pg		1744	40.90	0.04							
VSOM		4	10	E Sg		1744	41.90	-0.07							
PKSG		8	168	E Pg	D	1744	41.50	0.05							
PKSG		8	168	E Sg		1744	42.90	-0.11							
CSKK		14	214	E Pg	D	1744	42.20	-0.08							
CSKK		14	214	E Sg		1744	44.60	0.11							
SUKH		31	143	E Pg		1744	45.50	0.28							
SUKH		31	143	E Sg		1744	49.40	-0.33							
PKST		34	227	E Pg		1744	45.60	-0.10							
PKST		34	227	E Sg		1744	50.60	0.02							

February 02 2011 Hour: 00:27:51.8 Lat: 47.476°N Lon: 18.369°E Depth: 8.5 km
Magnitude: 0.2ML Rms: 0.16 s Gap: 142° Erh: 1.0 km Erz: 1.2 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		3	8	E Pg	D	027	53.60	0.13							
VSOM		3	8	E Sg		027	54.60	-0.15							

CHAPTER 1. LOCAL EARTHQUAKES

PKSG	9	170	E	Pg	C	027	54.20	0.10
PKSG	9	170	E	Sg		027	55.80	-0.07
CSKK	15	213	E	Pg	D	027	55.00	0.10
CSKK	15	213	E	Sg		027	57.10	-0.19
SUKH	32	144	E	Sg		028	02.30	-0.04
PKST	34	226	E	Pg	C	027	58.00	-0.24
PKST	34	226	E	Sg		028	03.50	0.25

February 02 2011 Hour: 01:46:10.0 Lat: 47.468°N Lon: 18.359°E Depth: 7.3 km
 Magnitude: 0.6ML Rms: 0.17 s Gap: 149° Erh: 0.9 km Erz: 1.2 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	16	E Pg	D	146	11.60	0.03							
VSOM		4	16	E Sg		146	12.70	-0.07							
PKSG		8	164	E Pg	C	146	12.10	0.02							
PKSG		8	164	E Sg		146	13.70	0.02							
CSKK		13	213	E Pg	D	146	12.80	-0.04							
CSKK		13	213	E Sg		146	15.20	0.18							
SUKH		31	142	E Pg	C	146	16.20	0.34							
SUKH		31	142	E Sg		146	20.10	-0.29							
PKST		33	227	E Pg	D	146	16.00	-0.22							
PKST		33	227	E Sg		146	21.00	-0.03							

February 02 2011 Hour: 02:04:56.0 Lat: 47.467°N Lon: 18.343°E Depth: 5.4 km
 Magnitude: 0.5ML Rms: 0.06 s Gap: 164° Erh: 0.3 km Erz: 0.5 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	29	E Pg	D	204	57.30	0.02							
VSOM		5	29	E Sg		204	58.30	-0.01							
PKSG		9	157	E Pg	C	204	57.80	-0.06							
PKSG		9	157	E Sg		204	59.30	-0.03							
CSKK		13	208	E Pg	D	204	58.50	0.00							
CSKK		13	208	E Sg		205	00.60	0.12							
SUKH		32	140	E Pg		205	01.90	0.06							
SUKH		32	140	E Sg		205	05.80	-0.61							
PKST		32	225	E Pg	C	205	01.90	-0.02							
PKST		32	225	E Sg		205	06.50	-0.05							

February 02 2011 Hour: 03:30:03.9 Lat: 47.473°N Lon: 18.371°E Depth: 9.0 km
 Magnitude: 1.1ML Rms: 0.16 s Gap: 138° Erh: 0.8 km Erz: 0.6 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		3	5	E Pg	C	330	05.70	0.05							
VSOM		3	5	E Sg		330	06.80	-0.21							
PKSG		9	171	E Pg	C	330	06.30	0.11							
PKSG		9	171	E Sg		330	07.80	-0.18							
CSKK		14	214	E Pg	D	330	07.10	0.11							
CSKK		14	214	E Sg		330	09.30	-0.10							
SUKH		31	144	E Pg	D	330	10.10	0.33							
SUKH		31	144	E Sg		330	14.20	-0.15							
PKST		34	227	E Pg	C	330	10.30	-0.02							
PKST		34	227	E Sg		330	15.10	-0.24							
BUD		49	89	E Sg		330	19.60	-0.20							
PKSM		141	172	E Pn		330	27.40	-0.05							

PKSM 141 172 E Sn 330 43.40 -2.41

February 02 2011 Hour: 03:41:06.3 Lat: 47.467°N Lon: 18.369°E Depth: 7.3 km

Magnitude: 0.3ML Rms: 0.14 s Gap: 139° Erh: 0.9 km Erz: 1.2 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	7	E Pg	D	341	07.90	0.02							
VSOM		4	7	E Sg		341	08.90	-0.16							
PKSG		8	169	E Pg	D	341	08.50	0.15							
PKSG		8	169	E Sg		341	10.00	0.09							
CSKK		14	215	E Pg	D	341	09.20	0.01							
CSKK		14	215	E Sg		341	11.40	-0.01							
SUKH		31	143	E Sg		341	16.20	-0.34							
PKST		34	228	E Pg		341	12.70	0.10							
PKST		34	228	E Sg		341	17.20	-0.28							

February 02 2011 Hour: 03:42:24.3 Lat: 47.463°N Lon: 18.371°E Depth: 8.2 km

Magnitude: 0.2ML Rms: 0.17 s Gap: 139° Erh: 1.1 km Erz: 1.7 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	4	E Pg	C	342	26.00	-0.03							
VSOM		4	4	E Sg		342	27.10	-0.27							
PKSG		8	169	E Pg	D	342	26.60	0.23							
PKSG		8	169	E Sg		342	28.10	0.13							
CSKK		13	217	E Pg	D	342	27.30	0.11							
CSKK		13	217	E Sg		342	29.40	-0.04							
SUKH		30	143	E Sg		342	34.10	-0.33							
PKST		34	228	E Sg		342	35.30	-0.15							

February 02 2011 Hour: 03:54:10.2 Lat: 47.470°N Lon: 18.364°E Depth: 7.6 km

Magnitude: 0.5ML Rms: 0.11 s Gap: 146° Erh: 0.7 km Erz: 1.0 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	13	E Pg	D	354	11.80	0.05							
VSOM		4	13	E Sg		354	12.80	-0.16							
PKSG		8	167	E Pg	C	354	12.50	0.21							
PKSG		8	167	E Sg		354	13.90	-0.02							
CSKK		14	213	E Pg	D	354	13.10	0.03							
CSKK		14	213	E Sg		354	15.30	-0.02							
SUKH		31	143	E Sg		354	20.30	-0.26							
PKST		34	227	E Pg	C	354	16.40	-0.05							
PKST		34	227	E Sg		354	21.30	-0.03							

February 02 2011 Hour: 06:16:45.9 Lat: 47.468°N Lon: 18.358°E Depth: 6.5 km

Magnitude: 0.0ML Rms: 0.04 s Gap: 151° Erh: 0.3 km Erz: 0.5 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	17	E Pg	C	616	47.30	-0.01							
VSOM		4	17	E Sg		616	48.40	-0.01							
PKSG		8	164	E Pg		616	47.90	0.05							
PKSG		8	164	E Sg		616	49.30	-0.08							
CSKK		13	212	E Pg	D	616	48.60	-0.02							
CSKK		13	212	E Sg		616	50.80	0.06							
PKST		33	226	E Sg		616	56.80	-0.02							

CHAPTER 1. LOCAL EARTHQUAKES

February 02 2011 Hour: 08:21:08.3 Lat: 47.468°N Lon: 18.361°E Depth: 7.4 km
 Magnitude: 0.4ML Rms: 0.11 s Gap: 148° Erh: 0.7 km Erz: 1.1 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	15	E Pg	D	821	09.90	0.03							
VSOM		4	15	E Sg		821	10.90	-0.18							
PKSG		8	165	E Pg	D	821	10.50	0.11							
PKSG		8	165	E Sg		821	12.00	0.00							
CSKK		13	213	E Pg	D	821	11.20	0.05							
CSKK		13	213	E Sg		821	13.40	0.05							
SUKH		31	142	E Sg		821	18.30	-0.38							
PKST		33	227	E Sg		821	19.30	-0.07							

February 02 2011 Hour: 08:52:12.7 Lat: 47.467°N Lon: 18.470°E Depth: 0.1 km
 Magnitude: 0.2ML Rms: 0.51 s Gap: 274° Erh: 0.4 km Erz: 34.1 km
 Locality: Bodmér Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		8	302	E Pg	D	852	14.50	0.31							
VSOM		8	302	E Sg		852	15.50	0.14							
PKSG		10	216	E Sg		852	16.70	0.73							
CSKK		19	234	E Pg		852	15.90	-0.30							
CSKK		19	234	E Sg		852	17.90	-1.02							

February 02 2011 Hour: 11:29:31.1 Lat: 47.468°N Lon: 18.363°E Depth: 7.2 km
 Magnitude: 1.4ML Rms: 0.16 s Gap: 145° Erh: 0.9 km Erz: 1.1 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	12	E Pg	D	1129	32.70	0.05							
VSOM		4	12	E Sg		1129	33.70	-0.12							
PKSG		8	166	E Pg	D	1129	33.20	0.04							
PKSG		8	166	E Sg		1129	34.70	-0.04							
CSKK		14	214	E Pg	D	1129	34.00	0.04							
CSKK		14	214	E Sg		1129	36.30	0.15							
SUKH		31	143	E Pg		1129	37.20	0.28							
SUKH		31	143	E Sg		1129	41.00	-0.43							
PKST		34	227	E Pg	C	1129	37.20	-0.15							
PKST		34	227	E Sg		1129	42.00	-0.20							

February 02 2011 Hour: 16:25:19.5 Lat: 47.466°N Lon: 18.357°E Depth: 6.6 km
 Magnitude: 0.4ML Rms: 0.17 s Gap: 150° Erh: 0.9 km Erz: 1.2 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	17	E Pg	C	1625	20.90	-0.03							
VSOM		4	17	E Sg		1625	22.00	-0.06							
PKSG		8	163	E Pg	C	1625	21.50	0.09							
PKSG		8	163	E Sg		1625	23.00	0.08							
CSKK		13	213	E Pg		1625	24.20	2.04							
CSKK		13	213	E Sg		1625	24.30	0.04							
SUKH		31	142	E Pg		1625	25.40	0.16							
SUKH		31	142	E Sg		1625	29.40	-0.34							
PKST		33	227	E Pg		1625	25.50	-0.07							
PKST		33	227	E Sg		1625	30.20	-0.13							

February 03 2011 Hour: 01:46:00.7 Lat: 47.468°N Lon: 18.357°E Depth: 6.2 km
 Magnitude: -0.2ML Rms: 0.03 s Gap: 167° Erh: 0.4 km Erz: 0.5 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	19	E Pg		146	02.10	0.03							
VSOM		4	19	E Sg		146	03.10	-0.05							
PKSG		8	163	E Pg		146	02.60	-0.04							
PKSG		8	163	E Sg		146	04.20	0.05							
CSKK		13	212	E Pg		146	03.40	0.00							
CSKK		13	212	E Sg		146	05.50	0.00							

February 03 2011 Hour: 02:45:17.8 Lat: 47.482°N Lon: 18.363°E Depth: 6.9 km
 Magnitude: -0.1ML Rms: 0.06 s Gap: 253° Erh: 1.1 km Erz: 1.3 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BOKD		8	275	E Sg		245	21.20	-0.01							
PKSG		10	168	E Pg	C	245	20.00	0.04							
PKSG		10	168	E Sg		245	21.60	-0.08							
CSKK		15	210	E Pg		245	20.70	-0.05							
CSKK		15	210	E Sg		245	23.20	0.11							

February 03 2011 Hour: 03:59:58.7 Lat: 47.468°N Lon: 18.375°E Depth: 8.2 km
 Magnitude: 0.1ML Rms: 0.08 s Gap: 143° Erh: 0.5 km Erz: 0.7 km
 Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	1	E Pg	C	400	00.40	0.05							
VSOM		4	1	E Sg		400	01.50	-0.14							
PKSG		8	172	E Pg	C	400	00.90	0.08							
PKSG		8	172	E Sg		400	02.50	0.03							
CSKK		14	216	E Pg	D	400	01.70	0.03							
CSKK		14	216	E Sg		400	04.00	0.01							
SUKH		31	144	E Sg		400	08.80	-0.10							
PKST		34	228	E Sg		400	09.90	-0.12							

February 03 2011 Hour: 04:42:37.7 Lat: 47.470°N Lon: 18.351°E Depth: 6.8 km
 Magnitude: -0.3ML Rms: 0.09 s Gap: 159° Erh: 0.8 km Erz: 1.2 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	25	E Pg	C	442	39.20	0.05							
VSOM		4	25	E Sg		442	40.20	-0.09							
PKSG		9	161	E Pg		442	39.70	-0.04							
PKSG		9	161	E Sg		442	41.30	-0.04							
CSKK		13	210	E Pg		442	40.50	0.07							
CSKK		13	210	E Sg		442	42.70	0.14							
PKST		33	226	E Sg		442	48.40	-0.16							

February 03 2011 Hour: 04:48:53.8 Lat: 47.470°N Lon: 18.353°E Depth: 6.4 km
 Magnitude: 0.0ML Rms: 0.07 s Gap: 172° Erh: 0.8 km Erz: 1.0 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	22	E Pg	D	448	55.20	0.03							
VSOM		4	22	E Sg		448	56.30	0.05							
PKSG		9	162	E Pg	C	448	55.80	0.04							
PKSG		9	162	E Sg		448	57.20	-0.11							
CSKK		13	211	E Pg	D	448	56.40	-0.09							

CHAPTER 1. LOCAL EARTHQUAKES

CSKK 13 211 E Sg 448 58.70 0.10

February 03 2011 Hour: 08:47:42.0 Lat: 47.458°N Lon: 18.354°E Depth: 6.4 km
Magnitude: 0.5ML Rms: 0.29 s Gap: 123° Erh: 1.3 km Erz: 2.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	17	E Pg	D	847	43.30	-0.24							
VSOM		5	17	E Sg		847	44.30	-0.44							
PKSG		7	159	E Pg	C	847	43.80	-0.03							
PKSG		7	159	E Sg		847	45.30	0.06							
BOKD		8	294	E Pg		847	44.70	0.79							
CSKK		12	214	E Pg	D	847	44.60	0.05							
CSKK		12	214	E Sg		847	46.70	0.17							
SUKH		31	140	E Pg		847	47.90	0.21							
SUKH		31	140	E Sg		847	51.90	-0.21							
PKST		32	227	E Pg		847	47.70	-0.27							
PKST		32	227	E Sg		847	52.60	-0.02							

February 04 2011 Hour: 04:21:55.8 Lat: 47.467°N Lon: 18.354°E Depth: 6.0 km
Magnitude: 0.1ML Rms: 0.03 s Gap: 154° Erh: 0.4 km Erz: 0.7 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	20	E Pg	D	421	57.10	-0.02							
VSOM		4	20	E Sg		421	58.20	0.02							
PKSG		8	162	E Pg		421	57.70	0.03							
PKSG		8	162	E Sg		421	59.10	-0.05							
PKST		33	226	E Sg		422	06.60	0.02							

February 04 2011 Hour: 05:37:58.6 Lat: 47.467°N Lon: 18.376°E Depth: 7.8 km
Magnitude: 0.1ML Rms: 0.09 s Gap: 145° Erh: 0.5 km Erz: 0.7 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	360	E Pg	D	538	00.30	0.07							
VSOM		4	360	E Sg		538	01.30	-0.18							
PKSG		8	173	E Pg	C	538	00.80	0.10							
PKSG		8	173	E Sg		538	02.30	-0.01							
CSKK		14	217	E Pg	D	538	01.60	0.02							
CSKK		14	217	E Sg		538	03.90	0.02							
SUKH		30	144	E Sg		538	08.60	-0.17							
PKST		34	228	E Pg		538	05.00	0.01							
PKST		34	228	E Sg		538	09.90	-0.05							

February 04 2011 Hour: 13:11:10.6 Lat: 47.382°N Lon: 18.239°E Depth: 3.5 km
Magnitude: 0.9ML Rms: 0.08 s Gap: 168° Erh: 0.4 km Erz: 0.6 km

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		2	142	E Pg	C	1311	11.40	-0.01							
CSKK		2	142	E Sg		1311	11.90	-0.12							
PKSG		11	85	E Pg	D	1311	12.80	0.02							
PKSG		11	85	E Sg		1311	14.50	0.04							
VSOM		17	37	E Pg	D	1311	13.80	0.02							
VSOM		17	37	E Sg		1311	16.20	-0.04							
PKST		20	229	E Pg	D	1311	14.30	-0.07							
PKST		20	229	E Sg		1311	17.50	0.22							
SUKH		32	118	E Sg		1311	21.00	-0.02							

February 04 2011 Hour: 14:23:20.7 Lat: 47.462°N Lon: 18.361°E Depth: 8.0 km
 Magnitude: 1.0ML Rms: 0.10 s Gap: 129° Erh: 0.5 km Erz: 0.7 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	13	E Pg	D	1423	22.30	-0.11							
VSOM		5	13	E Sg		1423	23.30	-0.43							
PKSG		8	164	E Pg	C	1423	22.80	0.05							
PKSG		8	164	E Sg		1423	24.30	-0.04							
BOKD		8	290	E Pg	C	1423	22.90	0.07							
BOKD		8	290	E Sg		1423	24.60	0.11							
CSKK		13	215	E Pg	D	1423	23.50	0.01							
CSKK		13	215	E Sg		1423	25.70	0.04							
SUKH		31	142	E Pg	D	1423	26.60	0.15							
SUKH		31	142	E Sg		1423	30.70	-0.23							
PKST		33	228	E Pg	D	1423	26.80	-0.05							
PKST		33	228	E Sg		1423	31.60	-0.04							

February 04 2011 Hour: 14:58:25.4 Lat: 47.471°N Lon: 18.372°E Depth: 7.7 km
 Magnitude: 0.1ML Rms: 0.06 s Gap: 167° Erh: 0.8 km Erz: 0.8 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	4	E Pg		1458	27.00	0.04							
VSOM		4	4	E Sg		1458	28.10	-0.07							
PKSG		8	171	E Pg	D	1458	27.60	0.08							
PKSG		8	171	E Sg		1458	29.10	-0.06							
CSKK		14	215	E Pg	D	1458	28.30	-0.07							
CSKK		14	215	E Sg		1458	30.70	0.02							

February 05 2011 Hour: 00:16:56.0 Lat: 47.468°N Lon: 18.369°E Depth: 6.1 km
 Magnitude: -0.2ML Rms: 0.03 s Gap: 163° Erh: 0.5 km Erz: 0.6 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	6	E Pg		016	57.30	-0.03							
VSOM		4	6	E Sg		016	58.40	0.03							
PKSG		8	169	E Pg	C	016	57.90	0.03							
PKSG		8	169	E Sg		016	59.30	-0.04							
CSKK		14	215	E Sg		017	00.90	-0.01							

February 05 2011 Hour: 10:39:35.6 Lat: 47.399°N Lon: 18.200°E Depth: 0.6 km
 Magnitude: 0.5ML Rms: 0.09 s Gap: 235° Erh: 4.1 km Erz: 34.3 km

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		6	131	E Pg	D	1039	36.70	-0.02							
CSKK		6	131	E Sg		1039	37.20	-0.38							
PKSG		14	93	E Pg	D	1039	38.20	-0.01							
PKSG		14	93	E Sg		1039	40.30	0.08							
PKST		20	219	E Pg		1039	39.20	0.00							
PKST		20	219	E Sg		1039	42.10	0.12							

February 05 2011 Hour: 11:08:36.2 Lat: 47.479°N Lon: 18.318°E Depth: 6.3 km
 Magnitude: 1.4ML Rms: 0.43 s Gap: 132° Erh: 2.0 km Erz: 2.8 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BOKD		5	283	E Pg	C	1108	36.70	-0.99							

CHAPTER 1. LOCAL EARTHQUAKES

BOKD	5	283	E	Sg		1108	38.70	-0.12
VSOM	5	55	E	Pg	C	1108	38.00	0.28
VSOM	5	55	E	Sg		1108	39.10	0.23
PKSG	11	150	E	Pg	C	1108	38.50	-0.03
PKSG	11	150	E	Sg		1108	40.10	-0.22
CSKK	13	199	E	Pg	D	1108	39.20	0.28
CSKK	13	199	E	Sg		1108	41.50	0.49
PKST	32	221	E	Pg	D	1108	42.40	0.24
PKST	32	221	E	Sg		1108	47.30	0.53
SUKH	34	139	E	Pg	D	1108	42.40	-0.13
SUKH	34	139	E	Sg		1108	46.60	-0.84

February 06 2011 Hour: 12:45:24.1 Lat: 47.464°N Lon: 18.365°E Depth: 7.1 km
 Magnitude: 1.1ML Rms: 0.21 s Gap: 133° Erh: 0.9 km Erz: 1.3 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	9	E Pg	D	1245	25.50	-0.17							
VSOM		4	9	E Sg		1245	26.50	-0.36							
PKSG		8	167	E Pg	C	1245	26.20	0.13							
PKSG		8	167	E Sg		1245	27.60	0.01							
BOKD		9	288	E Pg		1245	26.30	0.12							
BOKD		9	288	E Sg		1245	28.10	0.32							
CSKK		13	215	E Pg	D	1245	26.90	0.01							
CSKK		13	215	E Sg		1245	29.20	0.16							
SUKH		31	142	E Pg	C	1245	30.10	0.28							
SUKH		31	142	E Sg		1245	33.80	-0.46							
PKST		33	228	E Pg	C	1245	30.10	-0.20							
PKST		33	228	E Sg		1245	35.00	-0.12							

February 06 2011 Hour: 21:12:19.1 Lat: 47.471°N Lon: 18.369°E Depth: 7.0 km
 Magnitude: 0.0ML Rms: 0.07 s Gap: 163° Erh: 0.6 km Erz: 0.8 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	7	E Pg	C	2112	20.50	-0.03							
VSOM		4	7	E Sg		2112	21.70	0.04							
PKSG		8	170	E Pg		2112	21.20	0.09							
PKSG		8	170	E Sg		2112	22.60	-0.09							
CSKK		14	215	E Pg		2112	21.90	-0.07							
CSKK		14	215	E Sg		2112	24.20	-0.01							
PKST		34	227	E Sg		2112	30.40	0.10							

February 06 2011 Hour: 21:59:16.4 Lat: 47.465°N Lon: 18.362°E Depth: 7.1 km
 Magnitude: -0.1ML Rms: 0.09 s Gap: 145° Erh: 0.5 km Erz: 0.9 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	13	E Pg	C	2159	18.00	0.05							
VSOM		4	13	E Sg		2159	19.00	-0.13							
PKSG		8	165	E Pg		2159	18.50	0.10							
PKSG		8	165	E Sg		2159	20.00	0.07							
CSKK		13	214	E Pg	D	2159	19.20	0.01							
CSKK		13	214	E Sg		2159	21.30	-0.03							
SUKH		31	142	E Sg		2159	26.50	-0.15							
PKST		33	227	E Sg		2159	27.30	-0.10							

February 07 2011 Hour: 09:40:44.1 Lat: 47.719°N Lon: 18.696°E Depth: 10.0 km
 Magnitude: 0.8ML Rms: 0.29 s Gap: 322° Erh: 6.4 km Erz: 24.3 km
 Locality: Tokod Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		43	212	E Pg		940	51.90	-0.11							
PKSG		43	212	E Sg		940	58.60	0.43							
SUKH		53	186	E Pg		940	54.20	0.38							
SUKH		53	186	E Sg		941	01.00	-0.37							
PKST		71	224	E Pg		940	56.90	-0.11							
PKST		71	224	E Sg		941	06.70	-0.35							

February 08 2011 Hour: 04:26:48.5 Lat: 47.461°N Lon: 18.367°E Depth: 7.7 km
 Magnitude: 0.6ML Rms: 0.24 s Gap: 135° Erh: 1.2 km Erz: 1.7 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	7	E Pg	D	426	50.00	-0.17							
VSOM		5	7	E Sg		426	51.00	-0.46							
PKSG		7	167	E Pg	C	426	50.60	0.10							
PKSG		7	167	E Sg		426	52.10	0.05							
BOKD		9	289	E Pg		426	50.80	0.12							
BOKD		9	289	E Sg		426	52.60	0.25							
SUKH		30	142	E Pg	C	426	54.60	0.41							
SUKH		30	142	E Sg		426	58.30	-0.31							
PKST		33	228	E Pg	C	426	54.50	-0.21							
PKST		33	228	E Sg		426	59.50	-0.03							

February 09 2011 Hour: 01:28:53.4 Lat: 47.462°N Lon: 18.369°E Depth: 7.1 km
 Magnitude: 1.1ML Rms: 0.13 s Gap: 136° Erh: 0.6 km Erz: 0.9 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	6	E Pg	D	128	54.80	-0.12							
VSOM		5	6	E Sg		128	55.90	-0.23							
PKSG		8	168	E Pg	C	128	55.40	0.13							
PKSG		8	168	E Sg		128	56.80	0.04							
BOKD		9	289	E Pg	C	128	55.60	0.14							
BOKD		9	289	E Sg		128	57.20	0.11							
SUKH		30	142	E Pg	C	128	59.10	0.10							
SUKH		30	142	E Sg		129	03.30	-0.10							
PKST		33	228	E Pg	C	128	59.40	-0.14							
PKST		33	228	E Sg		129	04.30	-0.06							

February 09 2011 Hour: 05:44:50.5 Lat: 47.467°N Lon: 18.358°E Depth: 10.0 km
 Magnitude: 0.4ML Rms: 0.34 s Gap: 125° Erh: 1.9 km Erz: 2.3 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	17	E Pg	C	544	52.40	-0.03							
VSOM		4	17	E Sg		544	53.50	-0.46							
BOKD		8	287	E Pg		544	53.10	0.31							
BOKD		8	287	E Sg		544	54.80	0.20							
PKSG		8	163	E Pg	D	544	52.90	0.06							
PKSG		8	163	E Sg		544	54.50	-0.19							
SUKH		31	142	E Pg		544	56.80	0.39							
SUKH		31	142	E Sg		545	00.90	-0.15							
PKST		33	226	E Pg		544	56.00	-0.74							
PKST		33	226	E Sg		545	01.90	0.27							

February 09 2011 Hour: 11:06:52.4 Lat: 47.500°N Lon: 17.947°E Depth: 5.6 km
Magnitude: 0.7ML Rms: 0.29 s Gap: 282° Erh: 3.0 km Erz: 12.3 km
Locality: Kerékteleki Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKST		27	166	E Pg	C	1106	57.40	-0.01							
PKST		27	166	E Sg		1107	01.20	-0.12							
VSOM		32	89	E Pg		1106	58.00	-0.24							
VSOM		32	89	E Sg		1107	02.40	-0.40							
PKSG		35	110	E Pg	C	1106	59.30	0.49							
PKSG		35	110	E Sg		1107	04.30	0.48							
SUKH		58	119	E Pg		1107	02.70	-0.10							
SUKH		58	119	E Sg		1107	10.80	-0.13							

February 09 2011 Hour: 21:02:26.0 Lat: 47.466°N Lon: 18.371°E Depth: 8.0 km
Magnitude: 0.5ML Rms: 0.18 s Gap: 139° Erh: 1.0 km Erz: 1.3 km
Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	4	E Pg	D	2102	27.60	-0.08							
VSOM		4	4	E Sg		2102	28.70	-0.26							
PKSG		8	170	E Pg	C	2102	28.20	0.11							
PKSG		8	170	E Sg		2102	29.80	0.10							
BOKD		9	286	E Sg		2102	30.20	0.25							
SUKH		31	143	E Pg		2102	32.00	0.26							
SUKH		31	143	E Sg		2102	35.90	-0.30							
PKST		34	228	E Pg	C	2102	32.20	-0.12							
PKST		34	228	E Sg		2102	37.10	-0.12							

February 10 2011 Hour: 05:02:59.3 Lat: 47.470°N Lon: 18.349°E Depth: 5.8 km
Magnitude: -0.4ML Rms: 0.05 s Gap: 161° Erh: 0.6 km Erz: 1.1 km
Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	27	E Pg	C	503	00.60	-0.02							
VSOM		4	27	E Sg		503	01.70	0.05							
PKSG		9	160	E Pg		503	01.30	0.03							
PKSG		9	160	E Sg		503	02.70	-0.09							
PKST		33	225	E Sg		503	10.10	0.01							

February 10 2011 Hour: 12:41:07.1 Lat: 47.469°N Lon: 18.307°E Depth: 0.0 km
Magnitude: 0.0ML Rms: 0.26 s Gap: 189° Erh: 2.1 km Erz: 534 km
Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		6	51	E Pg	D	1241	08.30	-0.02							
VSOM		6	51	E Sg		1241	09.20	-0.05							
PKSG		10	144	E Pg	C	1241	08.90	-0.12							
PKSG		10	144	E Sg		1241	10.50	0.00							
PKST		31	222	E Pg	D	1241	13.10	0.41							
PKST		31	222	E Sg		1241	16.50	-0.52							

February 10 2011 Hour: 13:44:57.5 Lat: 47.582°N Lon: 18.453°E Depth: 7.7 km
Magnitude: 1.0ML Rms: 0.17 s Gap: 286° Erh: 1.7 km Erz: 1.9 km
Locality: Tatabánya Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		10	215	E Pg		1344	59.60	-0.13							
VSOM		10	215	E Sg		1345	01.50	0.00							

BOKD	18	236	E	Pg		1345	01.30	0.30
PKSG	21	193	E	Pg	C	1345	01.40	-0.15
PKSG	21	193	E	Sg		1345	04.60	-0.14
SUKH	39	162	E	Pg		1345	04.80	0.13
SUKH	39	162	E	Sg		1345	10.40	0.11
PKST	47	221	E	Pg		1345	05.90	-0.20
PKST	47	221	E	Sg		1345	13.00	0.16

February 10 2011 **Hour: 20:18:34.1** **Lat: 47.461°N** **Lon: 18.368°E** **Depth: 8.3 km**
Magnitude: 0.3ML **Rms: 0.12 s** **Gap: 136°** **Erh: 0.8 km** **Erz: 1.0 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	7	E Pg	C	2018	35.70	-0.19							
PKSG		7	167	E Pg	D	2018	36.30	0.11							
PKSG		7	167	E Sg		2018	37.70	-0.08							
BOKD		9	290	E Sg		2018	38.20	0.09							
SUKH		30	142	E Pg	D	2018	40.00	0.18							
SUKH		30	142	E Sg		2018	44.20	-0.05							
PKST		33	228	E Pg	D	2018	40.30	-0.04							
PKST		33	228	E Sg		2018	45.10	-0.08							

February 11 2011 **Hour: 05:03:12.7** **Lat: 47.468°N** **Lon: 18.374°E** **Depth: 6.6 km**
Magnitude: -0.2ML **Rms: 0.06 s** **Gap: 169°** **Erh: 0.7 km** **Erz: 0.8 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	2	E Pg	D	503	14.10	0.03							
VSOM		4	2	E Sg		503	15.10	-0.06							
PKSG		8	171	E Pg	C	503	14.60	0.00							
PKSG		8	171	E Sg		503	16.10	-0.01							
PKST		34	228	E Pg		503	18.90	-0.06							
PKST		34	228	E Sg		503	24.00	0.13							

February 11 2011 **Hour: 06:07:23.6** **Lat: 47.472°N** **Lon: 18.409°E** **Depth: 5.7 km**
Magnitude: -0.1ML **Rms: 0.01 s** **Gap: 182°** **Erh: 0.1 km** **Erz: 0.1 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	327	E Pg		607	24.90	0.01							
VSOM		4	327	E Sg		607	25.90	-0.01							
PKSG		9	189	E Pg	C	607	25.50	0.00							
PKSG		9	189	E Sg		607	27.00	0.00							
SUKH		30	148	E Sg		607	33.30	0.00							

February 12 2011 **Hour: 02:29:32.3** **Lat: 47.472°N** **Lon: 18.369°E** **Depth: 9.2 km**
Magnitude: 0.3ML **Rms: 0.14 s** **Gap: 137°** **Erh: 0.9 km** **Erz: 1.1 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		3	7	E Pg	D	229	34.20	0.11							
VSOM		3	7	E Sg		229	35.10	-0.38							
PKSG		9	170	E Pg	C	229	34.70	0.08							
PKSG		9	170	E Sg		229	36.30	-0.11							
BOKD		9	282	E Sg		229	36.60	0.18							
SUKH		31	144	E Sg		229	42.80	0.02							
PKST		34	227	E Pg		229	38.60	-0.12							
PKST		34	227	E Sg		229	43.70	-0.02							

CHAPTER 1. LOCAL EARTHQUAKES

February 13 2011 Hour: 23:24:48.6 Lat: 47.464°N Lon: 18.368°E Depth: 10.0 km
 Magnitude: 0.1ML Rms: 0.24 s Gap: 136° Erh: 1.7 km Erz: 2.3 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	7	E Pg	D	2324	50.50	-0.07							
VSOM		4	7	E Sg		2324	51.60	-0.51							
PKSG		8	168	E Pg	D	2324	51.10	0.20							
PKSG		8	168	E Sg		2324	52.70	-0.01							
BOKD		9	287	E Pg		2324	51.30	0.28							
SUKH		31	143	E Sg		2324	59.00	0.06							
PKST		34	228	E Pg		2324	54.60	-0.32							
PKST		34	228	E Sg		2325	00.00	0.14							

February 13 2011 Hour: 23:39:01.7 Lat: 47.463°N Lon: 18.380°E Depth: 7.3 km
 Magnitude: 0.1ML Rms: 0.16 s Gap: 148° Erh: 1.2 km Erz: 1.6 km
 Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	356	E Pg	D	2339	03.20	-0.07							
VSOM		4	356	E Sg		2339	04.30	-0.20							
PKSG		7	174	E Pg	D	2339	03.80	0.18							
PKSG		7	174	E Sg		2339	05.30	0.18							
SUKH		30	144	E Sg		2339	11.40	-0.20							
PKST		34	229	E Pg		2339	08.10	0.10							
PKST		34	229	E Sg		2339	12.70	-0.23							

February 14 2011 Hour: 08:17:43.5 Lat: 47.387°N Lon: 18.421°E Depth: 0.0 km
 Magnitude: 0.7ML Rms: 0.41 s Gap: 152° Erh: 1.9 km Erz: 552 km
 Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		2	284	E Pg	C	817	43.70	-0.23							
PKSG		2	284	E Sg		817	44.50	0.24							
VSOM		13	346	E Pg	C	817	46.00	0.04							
VSOM		13	346	E Sg		817	49.00	1.12							
SUKH		21	137	E Pg	C	817	47.30	-0.09							
SUKH		21	137	E Sg		817	50.80	0.37							
PKST		32	244	E Pg		817	48.70	-0.61							
PKST		32	244	E Sg		817	54.30	0.47							

February 14 2011 Hour: 08:18:11.2 Lat: 47.367°N Lon: 18.423°E Depth: 0.0 km
 Magnitude: 1.2ML Rms: 0.48 s Gap: 146° Erh: 2.0 km Erz: 615 km
 Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	319	E Pg	C	818	11.40	-0.48							
PKSG		3	319	E Sg		818	12.50	0.11							
VSOM		15	347	E Pg	C	818	13.70	-0.37							
VSOM		15	347	E Sg		818	16.60	0.31							
BOKD		18	316	E Pg	C	818	15.10	0.53							
BOKD		18	316	E Sg		818	18.90	1.72							
SUKH		20	133	E Pg	C	818	14.90	0.07							
SUKH		20	133	E Sg		818	18.00	0.36							
PKST		31	248	E Pg	C	818	16.30	-0.60							
PKST		31	248	E Sg		818	21.70	0.38							

February 14 2011 Hour: 10:28:38.0 Lat: 48.027°N Lon: 19.623°E Depth: 0.0 km
 Magnitude: 1.1ML Rms: 0.29 s Gap: 191° Erh: 2.2 km Erz: 448 km
 Locality: Nagylóc Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		23	121	E Pg	C	1028	42.50	0.30							
PSZ		23	121	E Sg		1028	45.10	-0.39							
VYHS		78	312	E Pg		1028	52.20	0.26							
VYHS		78	312	E Sg		1029	02.50	-0.32							
KECS		81	52	E Pg		1028	52.40	-0.17							
KECS		81	52	E Sg		1029	03.70	-0.25							

February 15 2011 Hour: 01:56:29.3 Lat: 47.470°N Lon: 18.369°E Depth: 8.3 km
 Magnitude: 0.4ML Rms: 0.17 s Gap: 137° Erh: 1.1 km Erz: 1.4 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	7	E Pg	C	156	30.90	-0.04							
VSOM		4	7	E Sg		156	32.00	-0.22							
PKSG		8	170	E Pg	C	156	31.50	0.04							
PKSG		8	170	E Sg		156	33.00	-0.15							
BOKD		9	283	E Pg		156	31.60	0.11							
BOKD		9	283	E Sg		156	33.50	0.29							
SUKH		31	144	E Sg		156	40.30	0.67							
PKST		34	227	E Pg	C	156	35.50	-0.13							
PKST		34	227	E Sg		156	40.50	-0.08							

February 15 2011 Hour: 02:57:34.9 Lat: 47.466°N Lon: 18.368°E Depth: 0.2 km
 Magnitude: -0.1ML Rms: 0.43 s Gap: 161° Erh: 2.7 km Erz: 97.5 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	7	E Pg	C	257	35.50	-0.19							
VSOM		4	7	E Sg		257	36.50	0.17							
PKSG		8	168	E Pg		257	36.20	-0.17							
PKSG		8	168	E Sg		257	37.60	0.06							
BOKD		9	287	E Pg	C	257	36.30	-0.21							
BOKD		9	287	E Sg		257	37.90	0.12							
PKST		34	228	E Pg	C	257	41.90	0.94							
PKST		34	228	E Sg		257	45.00	-0.72							

February 15 2011 Hour: 09:02:38.3 Lat: 47.466°N Lon: 18.365°E Depth: 7.1 km
 Magnitude: 0.8ML Rms: 0.16 s Gap: 132° Erh: 0.9 km Erz: 1.2 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	10	E Pg	D	902	39.80	0.01							
VSOM		4	10	E Sg		902	40.70	-0.26							
PKSG		8	167	E Pg	C	902	40.30	0.04							
PKSG		8	167	E Sg		902	41.90	0.10							
BOKD		8	287	E Sg		902	42.00	0.10							
SUKH		31	143	E Pg		902	44.30	0.28							
SUKH		31	143	E Sg		902	48.30	-0.19							
PKST		34	227	E Pg	C	902	44.30	-0.18							
PKST		34	227	E Sg		902	49.30	-0.02							

February 16 2011 Hour: 05:15:08.5 Lat: 47.465°N Lon: 18.359°E Depth: 6.4 km
 Magnitude: 0.2ML Rms: 0.16 s Gap: 127° Erh: 0.8 km Erz: 1.3 km
 Locality: Oroszlány Comments:

CHAPTER 1. LOCAL EARTHQUAKES

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	15	E Pg	D	515	09.90	-0.05							
VSOM		4	15	E Sg		515	10.80	-0.27							
PKSG		8	164	E Pg	C	515	10.40	0.00							
PKSG		8	164	E Sg		515	12.00	0.12							
BOKD		8	289	E Pg	C	515	10.50	0.07							
BOKD		8	289	E Sg		515	12.10	0.18							
SUKH		31	142	E Pg	C	515	14.50	0.26							
SUKH		31	142	E Sg		515	18.50	-0.20							
PKST		33	227	E Pg	C	515	14.40	-0.21							
PKST		33	227	E Sg		515	19.40	0.03							

February 16 2011 Hour: 20:29:09.9 Lat: 47.458°N Lon: 18.351°E Depth: 6.0 km
 Magnitude: 1.6ML Rms: 0.31 s Gap: 84° Erh: 2.5 km Erz: 5.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	19	E Pg	C	2029	11.10	-0.26							
PKSG		7	158	E Pg	D	2029	11.70	0.06							
BOKD		8	295	E Pg	C	2029	11.80	0.11							
SUKH		31	140	E Pg	C	2029	15.50	-0.05							
PKST		32	227	E Pg	C	2029	15.60	-0.17							
BUD		50	87	E Pg		2029	19.70	0.69							
BUD		50	87	E Sg		2029	25.60	-0.54							

February 16 2011 Hour: 21:48:40.5 Lat: 47.468°N Lon: 18.376°E Depth: 8.7 km
 Magnitude: 1.8ML Rms: 0.14 s Gap: 88° Erh: 0.6 km Erz: 0.8 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	0	E Pg	D	2148	42.20	-0.03							
VSOM		4	0	E Sg		2148	43.20	-0.38							
PKSG		8	172	E Pg	C	2148	42.80	0.11							
PKSG		8	172	E Sg		2148	44.30	-0.09							
BOKD		9	284	E Pg	C	2148	42.90	0.08							
BOKD		9	284	E Sg		2148	44.80	0.17							
SUKH		31	144	E Pg	C	2148	46.40	0.14							
SUKH		31	144	E Sg		2148	50.60	-0.14							
PKST		34	228	E Pg	C	2148	46.80	-0.10							
PKST		34	228	E Sg		2148	51.70	-0.19							
BUD		48	88	E Pg		2148	49.50	0.12							
BUD		48	88	E Sg		2148	56.10	-0.19							

February 16 2011 Hour: 22:25:02.9 Lat: 47.464°N Lon: 18.367°E Depth: 7.0 km
 Magnitude: 1.6ML Rms: 0.30 s Gap: 80° Erh: 1.1 km Erz: 1.7 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	8	E Pg	D	2225	04.20	-0.17							
VSOM		4	8	E Sg		2225	05.30	-0.25							
PKSG		8	167	E Pg	C	2225	04.70	-0.07							
PKSG		8	167	E Sg		2225	06.30	0.03							
BOKD		9	288	E Pg	C	2225	05.00	0.10							
BOKD		9	288	E Sg		2225	06.90	0.40							
SUKH		31	142	E Pg	D	2225	08.60	0.08							
SUKH		31	142	E Sg		2225	12.70	-0.25							
PKST		33	228	E Pg	C	2225	08.90	-0.13							

PKST	33 228	E Sg	2225 13.80	-0.05
BUD	49 87	E Pg	2225 12.60	0.81
BUD	49 87	E Sg	2225 18.20	-0.57

February 17 2011 **Hour: 22:44:56.6** **Lat: 47.471°N** **Lon: 18.400°E** **Depth: 13.8 km**
Magnitude: -0.4ML **Rms: 0.63 s** **Gap: 172°** **Erh: 5.4 km** **Erz: 5.9 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	335	E Pg	D	2244	59.50	0.34							
VSOM		4	335	E Sg		2245	00.50	-0.67							
PKSG		8	185	E Pg	C	2245	00.10	0.60							
PKSG		8	185	E Sg		2245	01.50	-0.28							
SUKH		30	147	E Pg	C	2245	01.50	-1.00							
SUKH		30	147	E Sg		2245	07.90	0.78							
PKST		36	230	E Sg		2245	09.10	0.17							

February 18 2011 **Hour: 02:00:05.5** **Lat: 47.468°N** **Lon: 18.357°E** **Depth: 8.5 km**
Magnitude: 0.4ML **Rms: 0.25 s** **Gap: 124°** **Erh: 1.4 km** **Erz: 1.8 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	18	E Pg	D	200	07.10	-0.10							
VSOM		4	18	E Sg		200	08.10	-0.44							
BOKD		8	286	E Pg	D	200	07.90	0.30							
BOKD		8	286	E Sg		200	09.60	0.35							
PKSG		8	163	E Pg	C	200	07.70	0.03							
PKSG		8	163	E Sg		200	09.20	-0.18							
SUKH		31	142	E Pg		200	11.60	0.24							
SUKH		31	142	E Sg		200	15.80	-0.15							
PKST		33	226	E Pg	D	200	11.30	-0.38							
PKST		33	226	E Sg		200	16.70	0.17							

February 18 2011 **Hour: 14:42:16.3** **Lat: 47.468°N** **Lon: 18.358°E** **Depth: 6.3 km**
Magnitude: 0.3ML **Rms: 0.17 s** **Gap: 151°** **Erh: 1.1 km** **Erz: 1.5 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	17	E Pg	D	1442	17.70	0.03							
VSOM		4	17	E Sg		1442	18.70	-0.04							
PKSG		8	164	E Pg	C	1442	18.20	-0.04							
PKSG		8	164	E Sg		1442	19.80	0.05							
SUKH		31	142	E Pg		1442	22.40	0.31							
SUKH		31	142	E Sg		1442	26.20	-0.40							
PKST		33	226	E Pg		1442	22.30	-0.13							
PKST		33	226	E Sg		1442	27.20	-0.02							

February 18 2011 **Hour: 20:47:38.8** **Lat: 47.467°N** **Lon: 18.353°E** **Depth: 5.1 km**
Magnitude: -0.1ML **Rms: 0.01 s** **Gap: 155°** **Erh: 0.2 km** **Erz: 0.3 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	21	E Pg	D	2047	40.00	-0.01							
VSOM		4	21	E Sg		2047	41.00	0.02							
PKSG		8	161	E Pg	D	2047	40.60	0.01							
PKSG		8	161	E Sg		2047	42.00	-0.01							
PKST		33	226	E Sg		2047	49.50	0.00							

CHAPTER 1. LOCAL EARTHQUAKES

February 18 2011 Hour: 21:43:02.8 Lat: 47.460°N Lon: 18.365°E Depth: 6.8 km
 Magnitude: 0.8ML Rms: 0.16 s Gap: 133° Erh: 0.8 km Erz: 1.2 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	9	E Pg	D	2143	04.20	-0.11							
VSOM		5	9	E Sg		2143	05.20	-0.30							
PKSG		7	166	E Pg	C	2143	04.70	0.07							
PKSG		7	166	E Sg		2143	06.10	0.02							
BOKD		9	291	E Pg	C	2143	04.90	0.09							
BOKD		9	291	E Sg		2143	06.70	0.30							
SUKH		30	142	E Pg		2143	08.60	0.20							
SUKH		30	142	E Sg		2143	12.70	-0.09							
PKST		33	228	E Pg	D	2143	08.70	-0.19							
PKST		33	228	E Sg		2143	13.60	-0.05							

February 18 2011 Hour: 22:55:48.9 Lat: 47.464°N Lon: 18.372°E Depth: 8.7 km
 Magnitude: 0.4ML Rms: 0.19 s Gap: 167° Erh: 1.4 km Erz: 1.7 km
 Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	3	E Pg	D	2255	50.60	-0.02							
VSOM		4	3	E Sg		2255	51.60	-0.41							
PKSG		8	170	E Pg	C	2255	51.20	0.23							
PKSG		8	170	E Sg		2255	52.60	-0.02							
BOKD		9	287	E Pg		2255	51.30	0.15							
BOKD		9	287	E Sg		2255	53.10	0.15							
PKST		34	228	E Pg	D	2255	54.90	-0.24							
PKST		34	228	E Sg		2256	00.00	-0.06							

February 18 2011 Hour: 22:58:04.6 Lat: 47.465°N Lon: 18.368°E Depth: 7.7 km
 Magnitude: 1.0ML Rms: 0.12 s Gap: 135° Erh: 0.6 km Erz: 0.9 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	8	E Pg	D	2258	06.10	-0.10							
VSOM		4	8	E Sg		2258	07.00	-0.45							
PKSG		8	168	E Pg	C	2258	06.60	-0.01							
PKSG		8	168	E Sg		2258	08.20	0.01							
BOKD		9	287	E Pg		2258	06.80	0.08							
BOKD		9	287	E Sg		2258	08.50	0.12							
SUKH		31	143	E Pg		2258	10.50	0.19							
SUKH		31	143	E Sg		2258	14.70	-0.07							
PKST		34	228	E Pg	C	2258	10.70	-0.12							
PKST		34	228	E Sg		2258	15.70	0.02							

February 19 2011 Hour: 02:51:53.3 Lat: 47.470°N Lon: 18.380°E Depth: 4.7 km
 Magnitude: -0.3ML Rms: 0.06 s Gap: 179° Erh: 0.7 km Erz: 1.4 km
 Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	356	E Pg	D	251	54.30	-0.09							
VSOM		4	356	E Sg		251	55.30	0.04							
PKSG		8	175	E Pg	D	251	55.10	0.06							
PKSG		8	175	E Sg		251	56.40	-0.02							
BOKD		9	283	E Sg		251	56.80	0.04							

February 19 2011 **Hour: 08:51:11.9** **Lat: 47.462°N** **Lon: 18.350°E** **Depth: 8.4 km**
Magnitude: 0.4ML **Rms: 0.23 s** **Gap: 119°** **Erh: 1.4 km** **Erz: 1.9 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	21	E Pg	C	851	13.50	-0.20							
BOKD		8	292	E Pg	C	851	14.10	0.10							
BOKD		8	292	E Sg		851	15.80	0.18							
PKSG		8	159	E Pg	C	851	14.10	0.06							
PKSG		8	159	E Sg		851	15.60	-0.10							
SUKH		31	140	E Pg		851	18.20	0.44							
SUKH		31	140	E Sg		851	22.00	-0.32							
PKST		32	227	E Pg		851	17.70	-0.28							
PKST		32	227	E Sg		851	22.80	0.10							

February 20 2011 **Hour: 08:53:57.8** **Lat: 47.834°N** **Lon: 19.145°E** **Depth: 10.0 km**
Magnitude: 1.3ML **Rms: 0.55 s** **Gap: 131°** **Erh: 2.1 km** **Erz: 2.3 km**
Locality: Ósagárd **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		56	81	I Pg		854	08.10	0.01							
PSZ		56	81	E Sg		854	15.50	-0.63							
VSOM		68	238	E Sg		854	19.40	-0.34							
PKSG		75	229	E Pg		854	11.30	-0.02							
PKSG		75	229	E Sg		854	21.90	0.02							
VYHS		76	343	E Pg		854	12.60	0.97							
VYHS		76	343	E Sg		854	21.80	-0.62							
SUKH		76	211	E Pg		854	11.90	0.26							
PKST		105	233	E P*		854	15.90	-0.72							
PKST		105	233	E S*		854	31.20	-0.11							
KECS		123	54	E Pn		854	19.70	0.81							
KECS		123	54	E Sn		854	34.70	-0.65							

February 21 2011 **Hour: 01:20:20.9** **Lat: 47.468°N** **Lon: 18.374°E** **Depth: 8.6 km**
Magnitude: 0.7ML **Rms: 0.11 s** **Gap: 142°** **Erh: 0.6 km** **Erz: 0.9 km**
Locality: Várgesztes **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	2	E Pg	C	120	22.60	-0.04							
VSOM		4	2	E Sg		120	23.70	-0.29							
PKSG		8	171	E Pg	C	120	23.20	0.11							
PKSG		8	171	E Sg		120	24.80	0.02							
BOKD		9	284	E Pg	C	120	23.30	0.09							
BOKD		9	284	E Sg		120	25.10	0.10							
SUKH		31	144	E Sg		120	31.20	0.04							
PKST		34	228	E Pg	D	120	27.20	-0.08							
PKST		34	228	E Sg		120	32.10	-0.15							

February 21 2011 **Hour: 04:52:42.7** **Lat: 47.370°N** **Lon: 18.271°E** **Depth: 10.0 km**
Magnitude: 0.0ML **Rms: 0.22 s** **Gap: 119°** **Erh: 1.2 km** **Erz: 2.6 km**
Locality: Csókakő **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	75	E Pg	D	452	45.20	0.07							
PKSG		9	75	E Sg		452	46.70	-0.34							
BOKD		13	354	E Sg		452	48.30	0.33							
VSOM		17	28	E Pg	D	452	46.40	0.18							
VSOM		17	28	E Sg		452	48.70	-0.28							
PKST		21	235	E Pg		452	46.70	-0.25							

CHAPTER 1. LOCAL EARTHQUAKES

PKST 21 235 E Sg 452 50.50 0.22
 SUKH 29 119 E Sg 452 52.70 0.04

February 22 2011 Hour: 00:31:30.6 Lat: 47.766°N Lon: 16.194°E Depth: 10.0 km
Magnitude: 1.5ML Rms: 0.81 s Gap: 102° Erh: 2.2 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		28	109	E Pg	C	031	36.90	0.89							
SOP		28	109	E Sg		031	40.80	0.54							
CONA		30	306	Pg		031	36.60	0.28							
CONA		30	306	Sg		031	40.50	-0.32							
ARSA		76	221	Pg		031	44.00	-0.32							
ARSA		76	221	Sg		031	53.00	-2.05							
ZST		83	55	E Pg		031	44.40	-1.09							
ZST		83	55	E Sg		031	55.10	-2.03							
SMOL		123	48	E Pn		031	52.60	0.83							
SMOL		123	48	E Sn		032	08.60	0.29							
MOA		144	274	Pn		031	55.30	0.94							
MOA		144	274	Sn		032	13.20	0.28							
SOKA		149	216	Pn		031	54.80	-0.16							
SOKA		149	216	Sn		032	12.90	-1.09							
PKST		149	112	E Pn	C	031	55.40	0.43							
PKST		149	112	E Sn		032	13.70	-0.32							
VSOM		166	100	E Pn		031	57.70	0.63							
PKSG		170	104	E Pn		031	58.00	0.44							
PKSG		170	104	E Sn		032	18.20	-0.43							
VYHS		212	68	E Pn		032	02.70	-0.14							
VYHS		212	68	E Sn		032	26.00	-2.01							
PKSM		254	133	E Pn	D	032	08.20	0.22							
PKSM		254	133	E Sn		032	34.50	-2.68							

February 22 2011 Hour: 07:22:37.7 Lat: 47.465°N Lon: 18.268°E Depth: 0.3 km
Magnitude: -0.4ML Rms: 0.10 s Gap: 203° Erh: 0.2 km Erz: 8.8 km

Locality: Bokod

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		9	60	E Pg	D	722	39.40	0.03							
VSOM		9	60	E Sg		722	40.50	-0.17							
PKSG		12	131	E Pg	D	722	40.00	0.10							
PKSG		12	131	E Sg		722	41.50	-0.11							
PKST		28	218	E Sg		722	46.90	0.01							

February 23 2011 Hour: 01:40:21.4 Lat: 47.472°N Lon: 18.384°E Depth: 5.5 km
Magnitude: -0.3ML Rms: 0.04 s Gap: 155° Erh: 0.4 km Erz: 0.7 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		3	350	E Pg	C	140	22.60	0.02							
VSOM		3	350	E Sg		140	23.50	-0.01							
PKSG		8	177	E Pg	D	140	23.30	0.05							
PKSG		8	177	E Sg		140	24.70	-0.01							
BOKD		10	281	E Sg		140	25.00	-0.05							
SUKH		31	146	E Sg		140	31.30	-0.08							

February 23 2011 Hour: 04:16:13.4 Lat: 47.466°N Lon: 18.365°E Depth: 8.2 km
Magnitude: 0.6ML Rms: 0.14 s Gap: 132° Erh: 0.7 km Erz: 1.0 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	10	E Pg	D	416	14.90	-0.13							
VSOM		4	10	E Sg		416	15.90	-0.43							
PKSG		8	167	E Pg	C	416	15.60	0.14							
PKSG		8	167	E Sg		416	17.10	0.00							
BOKD		8	287	E Pg	C	416	15.60	0.08							
BOKD		8	287	E Sg		416	17.30	0.10							
SUKH		31	143	E Pg		416	19.30	0.16							
SUKH		31	143	E Sg		416	23.50	-0.15							
PKST		34	227	E Pg	C	416	19.50	-0.10							
PKST		34	227	E Sg		416	24.40	-0.06							

February 23 2011 **Hour: 08:40:02.1** **Lat: 47.468°N** **Lon: 18.363°E** **Depth: 7.8 km**
Magnitude: 0.4ML **Rms: 0.19 s** **Gap: 130°** **Erh: 1.4 km** **Erz: 1.6 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	13	E Pg	C	840	03.70	-0.03							
VSOM		4	13	E Sg		840	04.80	-0.18							
PKSG		8	166	E Pg	C	840	04.20	-0.02							
PKSG		8	166	E Sg		840	05.80	-0.04							
BOKD		8	286	E Sg		840	06.10	0.26							
SUKH		31	143	E Pg		840	08.30	0.36							
SUKH		31	143	E Sg		840	12.20	-0.26							
PKST		34	227	E Pg		840	08.20	-0.16							

February 23 2011 **Hour: 09:24:01.8** **Lat: 47.360°N** **Lon: 18.392°E** **Depth: 0.0 km**
Magnitude: 1.2ML **Rms: 0.50 s** **Gap: 128°** **Erh: 2.0 km** **Erz: 645 km**
Locality: Gánt **Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	359	E Pg	C	924	02.00	-0.40							
PKSG		3	359	E Sg		924	02.80	-0.10							
VSOM		16	356	E Pg	C	924	04.40	-0.29							
VSOM		16	356	E Sg		924	06.80	-0.17							
BOKD		17	324	E Pg		924	05.60	0.65							
BOKD		17	324	E Sg		924	08.20	0.77							
SUKH		21	127	E Pg	C	924	05.60	0.01							
SUKH		21	127	E Sg		924	09.00	0.43							
PKST		29	247	E Pg		924	06.20	-0.78							
PKST		29	247	E Sg		924	11.80	0.75							

February 23 2011 **Hour: 12:48:54.9** **Lat: 47.508°N** **Lon: 18.285°E** **Depth: 7.3 km**
Magnitude: 0.6ML **Rms: 0.17 s** **Gap: 237°** **Erh: 2.4 km** **Erz: 2.9 km**
Locality: Kecskéd **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		6	92	E Pg	C	1248	56.50	-0.21							
VSOM		6	92	E Sg		1248	58.20	0.10							
PKSG		15	148	E Pg	C	1248	58.20	0.27							
PKST		33	214	E Sg		1249	05.70	-0.14							
SUKH		38	140	E Pg		1249	02.00	0.04							
SUKH		38	140	E Sg		1249	07.30	-0.15							

February 23 2011 **Hour: 16:50:25.1** **Lat: 47.461°N** **Lon: 18.367°E** **Depth: 6.8 km**
Magnitude: 1.6ML **Rms: 0.21 s** **Gap: 135°** **Erh: 1.2 km** **Erz: 1.5 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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CHAPTER 1. LOCAL EARTHQUAKES

VSOM	5	7	E Pg	D	1650	26.60	-0.07
VSOM	5	7	E Sg		1650	27.60	-0.26
PKSG	7	167	E Pg	C	1650	27.10	0.09
PKSG	7	167	E Sg		1650	28.60	0.15
BOKD	9	290	E Pg	C	1650	27.30	0.10
BOKD	9	290	E Sg		1650	29.10	0.31
SUKH	30	142	E Pg	C	1650	30.90	0.13
SUKH	30	142	E Sg		1650	34.90	-0.25
PKST	33	228	E Pg	C	1650	31.10	-0.19
PKST	33	228	E Sg		1650	32.80	-3.27

February 26 2011 Hour: 04:25:30.5 Lat: 47.468°N Lon: 18.344°E Depth: 5.9 km
 Magnitude: -0.4ML Rms: 0.01 s Gap: 164° Erh: 0.2 km Erz: 0.3 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	29	E Pg	D	425	31.90	-0.01							
VSOM		4	29	E Sg		425	33.00	0.02							
PKSG		9	158	E Pg	D	425	32.50	0.01							
PKSG		9	158	E Sg		425	34.00	-0.01							
PKST		33	225	E Sg		425	41.20	0.00							

February 27 2011 Hour: 07:34:18.2 Lat: 47.470°N Lon: 18.405°E Depth: 5.7 km
 Magnitude: -0.5ML Rms: 0.03 s Gap: 176° Erh: 0.6 km Erz: 0.8 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	332	E Pg	D	734	19.50	-0.03							
VSOM		4	332	E Sg		734	20.60	0.05							
PKSG		8	187	E Pg	C	734	20.10	0.02							
PKSG		8	187	E Sg		734	21.50	-0.03							
SUKH		29	148	E Sg		734	27.90	0.00							

February 27 2011 Hour: 10:00:39.0 Lat: 47.356°N Lon: 18.260°E Depth: 4.0 km
 Magnitude: -0.1ML Rms: 0.13 s Gap: 150° Erh: 0.7 km Erz: 2.8 km

Locality: Csókakő

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	68	E Pg	D	1000	40.90	-0.13							
PKSG		10	68	E Sg		1000	42.60	-0.02							
VSOM		18	28	E Pg		1000	42.50	0.05							
VSOM		18	28	E Sg		1000	45.30	0.17							
PKST		20	238	E Pg	D	1000	42.50	-0.18							
PKST		20	238	E Sg		1000	45.70	0.15							
SUKH		29	115	E Pg	D	1000	44.50	0.13							
SUKH		29	115	E Sg		1000	48.50	-0.06							

February 27 2011 Hour: 17:39:07.0 Lat: 47.387°N Lon: 18.177°E Depth: 5.9 km
 Magnitude: 0.1ML Rms: 0.17 s Gap: 169° Erh: 0.8 km Erz: 2.7 km

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BOKD		12	26	E Pg		1739	09.70	0.16							
BOKD		12	26	E Sg		1739	11.70	0.21							
PKSG		16	88	E Pg	D	1739	10.10	0.00							
PKSG		16	88	E Sg		1739	12.30	-0.19							
PKST		17	217	E Pg	D	1739	10.30	-0.09							
PKST		17	217	E Sg		1739	12.90	-0.11							
VSOM		20	48	E Pg	D	1739	10.60	-0.17							

VSOM	20	48	E	Sg	1739	13.40	-0.28
SUKH	36	116	E	Pg	1739	14.00	0.30
SUKH	36	116	E	Sg	1739	18.90	0.00

February 28 2011 **Hour: 04:21:07.6** **Lat: 47.464°N** **Lon: 18.353°E** **Depth: 10.0 km**
Magnitude: 0.2ML **Rms: 0.21 s** **Gap: 121°** **Erh: 1.2 km** **Erz: 1.7 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	20	E Pg	D	421	09.50	-0.12							
VSOM		5	20	E Sg		421	10.50	-0.68							
BOKD		8	291	E Pg	D	421	10.20	0.29							
BOKD		8	291	E Sg		421	11.80	0.09							
PKSG		8	160	E Pg	C	421	10.10	0.15							
PKSG		8	160	E Sg		421	11.60	-0.18							
SUKH		31	141	E Sg		421	18.20	0.04							
PKST		33	227	E Pg	D	421	13.60	-0.19							
PKST		33	227	E Sg		421	18.70	0.10							

February 28 2011 **Hour: 04:49:47.8** **Lat: 47.471°N** **Lon: 18.332°E** **Depth: 4.7 km**
Magnitude: -0.4ML **Rms: 0.01 s** **Gap: 176°** **Erh: 0.1 km** **Erz: 0.3 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	40	E Pg	D	449	49.00	-0.01							
VSOM		5	40	E Sg		449	50.00	0.02							
PKSG		9	153	E Pg		449	49.70	0.00							
PKSG		9	153	E Sg		449	51.20	-0.01							
PKST		32	224	E Sg		449	58.20	0.00							

February 28 2011 **Hour: 06:25:02.0** **Lat: 47.462°N** **Lon: 18.368°E** **Depth: 7.5 km**
Magnitude: 0.5ML **Rms: 0.14 s** **Gap: 136°** **Erh: 0.7 km** **Erz: 1.0 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	7	E Pg	D	625	03.50	-0.12							
VSOM		5	7	E Sg		625	04.60	-0.27							
PKSG		8	168	E Pg		625	04.10	0.13							
PKSG		8	168	E Sg		625	05.50	0.01							
BOKD		9	289	E Pg	C	625	04.20	0.06							
BOKD		9	289	E Sg		625	06.10	0.30							
SUKH		30	142	E Pg	D	625	07.80	0.13							
SUKH		30	142	E Sg		625	12.00	-0.09							
PKST		33	228	E Pg	C	625	08.10	-0.10							
PKST		33	228	E Sg		625	12.90	-0.13							

February 28 2011 **Hour: 07:02:44.0** **Lat: 47.461°N** **Lon: 18.367°E** **Depth: 8.2 km**
Magnitude: 0.8ML **Rms: 0.16 s** **Gap: 135°** **Erh: 0.8 km** **Erz: 1.1 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	7	E Pg	C	702	45.60	-0.14							
VSOM		5	7	E Sg		702	46.60	-0.49							
PKSG		7	167	E Pg	C	702	46.20	0.15							
PKSG		7	167	E Sg		702	47.60	-0.04							
BOKD		9	290	E Pg	C	702	46.30	0.08							
BOKD		9	290	E Sg		702	48.10	0.16							
SUKH		30	142	E Pg		702	49.90	0.19							
SUKH		30	142	E Sg		702	54.00	-0.14							

CHAPTER 1. LOCAL EARTHQUAKES

PKST 33 228 E Pg C 702 50.10 -0.12
 PKST 33 228 E Sg 702 55.00 -0.05

February 28 2011 Hour: 11:45:40.2 Lat: 47.593°N Lon: 18.491°E Depth: 0.4 km
Magnitude: 0.7ML Rms: 0.21 s Gap: 303° Erh: 2.6 km Erz: 61.8 km
Locality: Tarján Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		12	222	E Pg	C	1145	42.60	0.11							
VSOM		12	222	E Sg		1145	44.20	-0.10							
PKSG		23	199	E Pg	D	1145	44.30	-0.10							
PKSG		23	199	E Sg		1145	47.30	-0.39							
SUKH		40	166	E Sg		1145	53.00	0.07							
PKST		50	223	E Sg		1145	56.70	0.42							

March 01 2011 Hour: 09:01:19.4 Lat: 47.364°N Lon: 18.399°E Depth: 0.0 km
Magnitude: 1.2ML Rms: 0.21 s Gap: 136° Erh: 0.9 km Erz: 274 km
Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		3	349	E Pg	C	901	19.80	-0.13							
PKSG		3	349	E Sg		901	20.30	-0.07							
VSOM		15	354	E Pg		901	22.10	-0.12							
VSOM		15	354	E Sg		901	24.50	0.07							
BOKD		17	321	E Pg		901	22.70	0.15							
BOKD		17	321	E Sg		901	25.90	0.88							
SUKH		21	129	E Pg		901	23.40	0.22							
SUKH		21	129	E Sg		901	26.10	-0.05							
PKST		29	247	E Pg	C	901	24.40	-0.32							
PKST		29	247	E Sg		901	29.10	0.21							

March 01 2011 Hour: 09:05:45.5 Lat: 47.376°N Lon: 18.392°E Depth: 0.0 km
Magnitude: 1.1ML Rms: 0.43 s Gap: 116° Erh: 2.1 km Erz: 559 km
Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		1	356	E Pg	C	905	45.70	-0.06							
PKSG		1	356	E Sg		905	46.10	0.10							
VSOM		14	355	E Pg	C	905	48.00	-0.05							
VSOM		14	355	E Sg		905	51.30	1.23							
SUKH		22	131	E Pg	D	905	49.40	-0.08							
PKST		30	244	E Pg	C	905	50.40	-0.42							
PKST		30	244	E Sg		905	55.50	0.50							
VYHS		128	15	E Pg		906	08.60	0.18							
VYHS		128	15	E Sg		906	24.80	-1.53							

March 01 2011 Hour: 14:04:46.0 Lat: 47.469°N Lon: 18.355°E Depth: 6.2 km
Magnitude: 0.2ML Rms: 0.09 s Gap: 154° Erh: 0.7 km Erz: 1.0 km
Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	20	E Pg	C	1404	47.30	-0.04							
VSOM		4	20	E Sg		1404	48.40	-0.01							
PKSG		8	163	E Pg	C	1404	47.90	-0.01							
PKSG		8	163	E Sg		1404	49.50	0.07							
SUKH		32	142	E Pg		1404	51.90	0.12							
SUKH		32	142	E Sg		1404	56.00	-0.32							
PKST		33	226	E Sg		1404	56.80	-0.04							

March 02 2011 Hour: 15:35:01.5 Lat: 47.357°N Lon: 18.284°E Depth: 5.8 km
 Magnitude: 0.6ML Rms: 0.04 s Gap: 175° Erh: 0.4 km Erz: 0.3 km
 Locality: Csókakő Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		1	290	E Pg	C	1535	02.60	-0.01							
CSKK		1	290	E Sg		1535	03.50	0.04							
PKSG		8	65	E Pg	D	1535	03.40	-0.01							
PKSG		8	65	E Sg		1535	04.90	0.00							
VSOM		18	23	E Sg		1535	07.50	-0.02							
PKST		21	240	E Pg	C	1535	05.60	0.05							
PKST		21	240	E Sg		1535	08.60	-0.09							

March 03 2011 Hour: 06:29:13.0 Lat: 47.477°N Lon: 18.325°E Depth: 10.0 km
 Magnitude: -0.1ML Rms: 0.31 s Gap: 187° Erh: 3.8 km Erz: 3.7 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		5	49	E Pg	D	629	15.10	0.14							
VSOM		5	49	E Sg		629	16.10	-0.42							
PKSG		10	152	E Pg	D	629	15.80	0.23							
PKSG		10	152	E Sg		629	17.10	-0.51							
CSKK		13	201	E Pg	D	629	16.30	0.33							
CSKK		13	201	E Sg		629	18.50	0.19							
PKST		32	222	E Pg		629	18.70	-0.37							

March 03 2011 Hour: 08:49:15.1 Lat: 48.389°N Lon: 19.819°E Depth: 7.3 km
 Magnitude: 1.7ML Rms: 0.56 s Gap: 105° Erh: 2.1 km Erz: 2.9 km
 Locality: Slovakia Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		50	78	E Pg		849	24.00	-0.23							
KECS		50	78	E Sg		849	31.70	0.38							
PSZ		52	174	E Pg	C	849	24.50	-0.12							
PSZ		52	174	E Sg		849	31.40	-0.61							
VYHS		73	279	E Pg		849	29.20	0.84							
VYHS		73	279	E Sg		849	38.80	0.12							
LANS		88	343	E Pg		849	30.20	-0.81							
LANS		88	343	E Sg		849	43.50	0.11							
CRVS		133	65	E Pn		849	38.80	0.87							
CRVS		133	65	E Sn		849	54.90	-0.80							
STHS		154	42	E Pn		849	40.50	-0.05							

March 03 2011 Hour: 09:31:14.8 Lat: 47.637°N Lon: 18.025°E Depth: 17.1 km
 Magnitude: 1.1ML Rms: 0.30 s Gap: 213° Erh: 2.8 km Erz: 2.9 km
 Locality: Bábolna Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BOKD		23	134	E Sg		931	24.40	0.25							
VSOM		30	119	E Pg		931	20.80	-0.24							
VSOM		30	119	E Sg		931	25.50	-0.36							
CSKK		35	150	E Pg		931	22.10	0.25							
CSKK		35	150	E Sg		931	26.90	-0.41							
PKSG		38	135	E Pg		931	22.30	-0.12							
PKSG		38	135	E Sg		931	29.00	0.68							
PKST		42	179	E Pg		931	23.10	0.14							
PKST		42	179	E Sg		931	28.80	-0.48							
SUKH		62	135	E Pg		931	26.70	0.26							
SUKH		62	135	E Sg		931	35.40	-0.08							

CHAPTER 1. LOCAL EARTHQUAKES

VYHS 112 32 E Pn 931 33.70 -0.07
 VYHS 112 32 E Sn 931 45.90 -2.62

March 03 2011 Hour: 12:02:34.2 Lat: 47.572°N Lon: 18.460°E Depth: 5.5 km
Magnitude: 0.9ML Rms: 0.33 s Gap: 299° Erh: 3.1 km Erz: 4.2 km

Locality: Tatabánya

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		9	221	E Pg	C	1202	36.10	-0.10							
VSOM		9	221	E Sg		1202	37.90	0.15							
PKSG		20	195	E Pg		1202	37.80	-0.25							
PKSG		20	195	E Sg		1202	40.90	-0.13							
CSKK		27	213	E Pg	C	1202	39.00	-0.26							
CSKK		27	213	E Sg		1202	42.90	-0.29							
SUKH		38	162	E Sg		1202	46.90	0.32							
PKST		47	223	E Pg		1202	43.50	0.77							
PKST		47	223	E Sg		1202	49.40	0.02							

March 04 2011 Hour: 19:58:11.9 Lat: 47.471°N Lon: 18.348°E Depth: 5.8 km
Magnitude: 0.2ML Rms: 0.04 s Gap: 162° Erh: 0.2 km Erz: 0.3 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	27	E Pg	D	1958	13.20	0.02							
VSOM		4	27	E Sg		1958	14.20	0.00							
PKSG		9	160	E Pg	C	1958	13.80	-0.03							
PKSG		9	160	E Sg		1958	15.40	0.04							
CSKK		13	209	E Pg	D	1958	14.50	-0.03							
CSKK		13	209	E Sg		1958	16.60	0.01							
SUKH		32	141	E Pg		1958	17.80	0.04							
SUKH		32	141	E Sg		1958	21.80	-0.56							
PKST		33	225	E Pg	D	1958	17.90	-0.03							
PKST		33	225	E Sg		1958	22.70	0.05							

March 04 2011 Hour: 22:40:08.2 Lat: 47.474°N Lon: 18.353°E Depth: 7.5 km
Magnitude: -0.1ML Rms: 0.15 s Gap: 160° Erh: 0.8 km Erz: 1.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	25	E Pg	D	2240	09.80	0.09							
VSOM		4	25	E Sg		2240	10.70	-0.19							
PKSG		9	163	E Pg		2240	10.30	-0.07							
PKSG		9	163	E Sg		2240	11.90	-0.16							
CSKK		14	210	E Pg	D	2240	11.10	0.04							
CSKK		14	210	E Sg		2240	13.50	0.20							
SUKH		32	142	E Pg		2240	14.40	0.24							
SUKH		32	142	E Sg		2240	18.70	-0.11							
PKST		34	225	E Pg	C	2240	14.20	-0.20							
PKST		34	225	E Sg		2240	19.30	0.06							

March 05 2011 Hour: 07:51:28.5 Lat: 47.470°N Lon: 18.367°E Depth: 10.0 km
Magnitude: 0.0ML Rms: 0.34 s Gap: 142° Erh: 2.4 km Erz: 2.9 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	9	E Pg	D	751	30.50	0.04							
VSOM		4	9	E Sg		751	31.60	-0.36							
PKSG		8	168	E Pg	C	751	31.10	0.20							
PKSG		8	168	E Sg		751	32.60	-0.16							

CSKK	14	214	E	Pg	C	751	31.90	0.26
CSKK	14	214	E	Sg		751	34.10	0.03
SUKH	31	143	E	Sg		751	38.90	-0.12
PKST	34	227	E	Pg		751	32.90	-2.01

March 05 2011 Hour: 10:33:58.1 Lat: 47.476°N Lon: 18.353°E Depth: 8.4 km
 Magnitude: -0.2ML Rms: 0.11 s Gap: 178° Erh: 1.9 km Erz: 1.8 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		3	27	E	Sg		1034	01.10							0.06
PKSG		9	163	E	Pg	C	1034	00.50							0.08
PKSG		9	163	E	Sg		1034	02.00							-0.22
CSKK		14	209	E	Pg		1034	01.00							-0.09
CSKK		14	209	E	Sg		1034	03.50							0.09

March 05 2011 Hour: 14:31:44.0 Lat: 48.023°N Lon: 19.607°E Depth: 10.0 km
 Magnitude: 1.1ML Rms: 0.31 s Gap: 194° Erh: 3.1 km Erz: 11.5 km

Locality: Nagylóc

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		24	118	E	Pg	C	1431	48.90							0.17
PSZ		24	118	E	Sg		1431	51.60							-0.81
VYHS		77	312	E	Pg		1431	58.30							0.32
VYHS		77	312	E	Sg		1432	08.40							-0.47
KECS		82	52	E	Pg		1431	58.70							-0.23
KECS		82	52	E	Sg		1432	10.60							0.03

March 05 2011 Hour: 16:28:06.8 Lat: 47.414°N Lon: 18.203°E Depth: 7.9 km
 Magnitude: 0.3ML Rms: 0.09 s Gap: 195° Erh: 0.5 km Erz: 1.1 km

Locality: Puztavám

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		7	142	E	Pg	D	1628	08.80							0.07
CSKK		7	142	E	Sg		1628	09.80							-0.41
PKSG		14	100	E	Pg	C	1628	09.80							0.04
PKSG		14	100	E	Sg		1628	12.00							-0.04
VSOM		16	51	E	Pg	D	1628	10.10							-0.02
VSOM		16	51	E	Sg		1628	12.70							0.02
PKST		21	217	E	Pg	D	1628	10.80							-0.11
PKST		21	217	E	Sg		1628	14.20							0.10
SUKH		36	121	E	Sg		1628	18.80							0.07

March 05 2011 Hour: 20:28:04.9 Lat: 47.347°N Lon: 18.226°E Depth: 7.0 km
 Magnitude: 0.4ML Rms: 0.06 s Gap: 156° Erh: 0.3 km Erz: 0.6 km

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		3	55	E	Pg	D	2028	06.20							-0.04
CSKK		3	55	E	Sg		2028	06.90							-0.41
PKSG		13	68	E	Pg	D	2028	07.50							-0.07
PKSG		13	68	E	Sg		2028	09.80							0.13
PKST		17	236	E	Pg	D	2028	08.20							-0.02
PKST		17	236	E	Sg		2028	10.90							0.06
VSOM		21	32	E	Pg	D	2028	08.80							-0.03
VSOM		21	32	E	Sg		2028	12.00							0.08
SUKH		31	111	E	Pg		2028	10.70							0.04
SUKH		31	111	E	Sg		2028	15.20							0.01

CHAPTER 1. LOCAL EARTHQUAKES

March 05 2011 Hour: 22:31:37.2 Lat: 47.382°N Lon: 18.221°E Depth: 10.0 km
 Magnitude: -0.1ML Rms: 0.26 s Gap: 219° Erh: 3.0 km Erz: 2.4 km
 Locality: Mór Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		3	125	E Pg		2231	39.30	0.16							
CSKK		3	125	E Sg		2231	40.20	-0.42							
PKSG		12	85	E Pg	C	2231	40.30	0.15							
PKSG		12	85	E Sg		2231	42.40	-0.02							
PKST		19	226	E Pg	C	2231	40.90	-0.28							
PKST		19	226	E Sg		2231	44.80	0.55							
SUKH		33	117	E Sg		2231	48.30	-0.11							

March 06 2011 Hour: 17:50:17.0 Lat: 47.171°N Lon: 18.326°E Depth: 2.1 km
 Magnitude: 0.2ML Rms: 0.88 s Gap: 224° Erh: 0.4 km Erz: 4.9 km
 Locality: Székesfehérvár Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		21	347	E Pg	C	1750	21.80	0.88							
CSKK		21	347	E Sg		1750	23.30	-0.68							
SUKH		23	70	E Pg		1750	21.40	0.22							
SUKH		23	70	E Sg		1750	22.80	-1.66							
PKST		24	294	E Pg	D	1750	21.90	0.59							
PKST		24	294	E Sg		1750	23.50	-1.19							

March 07 2011 Hour: 02:48:17.0 Lat: 47.470°N Lon: 18.362°E Depth: 6.2 km
 Magnitude: -0.4ML Rms: 0.04 s Gap: 162° Erh: 0.7 km Erz: 0.9 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	14	E Pg	C	248	18.30	-0.03							
VSOM		4	14	E Sg		248	19.40	0.02							
PKSG		9	166	E Pg		248	19.00	0.06							
PKSG		9	166	E Sg		248	20.40	-0.07							
CSKK		14	213	E Sg		248	21.90	-0.01							

March 07 2011 Hour: 16:13:44.2 Lat: 47.471°N Lon: 18.357°E Depth: 5.7 km
 Magnitude: 0.0ML Rms: 0.04 s Gap: 169° Erh: 0.5 km Erz: 0.6 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	20	E Pg	C	1613	45.50	0.00							
VSOM		4	20	E Sg		1613	46.50	0.01							
PKSG		9	164	E Pg	C	1613	46.20	0.04							
PKSG		9	164	E Sg		1613	47.60	-0.07							
CSKK		14	211	E Pg	C	1613	46.90	-0.04							
CSKK		14	211	E Sg		1613	49.10	0.06							

March 07 2011 Hour: 19:31:44.5 Lat: 47.374°N Lon: 18.370°E Depth: 1.6 km
 Magnitude: 0.0ML Rms: 0.14 s Gap: 224° Erh: 2.7 km Erz: 4.7 km
 Locality: Gánt Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		2	38	E Pg	D	1931	44.90	-0.10							
PKSG		2	38	E Sg		1931	45.60	0.19							
CSKK		8	262	E Pg		1931	46.10	0.11							
CSKK		8	262	E Sg		1931	46.90	-0.28							
VSOM		14	2	E Sg		1931	49.20	0.02							

CHAPTER 1. LOCAL EARTHQUAKES

CSKK	13	218	E	Pg	D	106	59.60	0.00
CSKK	13	218	E	Sg		107	01.90	0.01
SUKH	30	142	E	Pg	C	107	02.90	0.55
SUKH	30	142	E	Sg		107	07.00	0.21
PKST	33	229	E	Pg	C	107	02.80	-0.07
PKST	33	229	E	Sg		107	07.70	-0.02
BUD	49	86	E	Sg		107	12.20	-0.54
PKS9	96	184	E	Sg		107	27.10	-0.49
PKSM	139	171	E	Pn		107	19.90	0.05
PKSM	139	171	E	Sn		107	36.10	-1.84

March 10 2011 Hour: 13:03:56.7 Lat: 47.588°N Lon: 18.425°E Depth: 0.0 km
 Magnitude: 0.9ML Rms: 0.29 s Gap: 300° Erh: 3.5 km Erz: 436 km
 Locality: Tatabánya Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		21	187	E	Pg	C	1304	00.50							-0.08
PKSG		21	187	E	Sg		1304	03.40							-0.24
CSKK		27	206	E	Pg	C	1304	01.80							0.16
CSKK		27	206	E	Sg		1304	06.10							0.57
SUKH		41	159	E	Sg		1304	09.70							0.00
PKST		46	219	E	Pg	D	1304	05.10							0.05
PKST		46	219	E	Sg		1304	10.80							-0.79

March 10 2011 Hour: 21:40:31.9 Lat: 47.457°N Lon: 18.353°E Depth: 8.0 km
 Magnitude: 0.1ML Rms: 0.20 s Gap: 272° Erh: 2.5 km Erz: 2.2 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	158	E	Pg	D	2140	33.90							0.01
PKSG		7	158	E	Sg		2140	35.40							-0.04
CSKK		12	214	E	Pg		2140	34.20							-0.35
CSKK		12	214	E	Sg		2140	36.90							0.29
SUKH		31	140	E	Sg		2140	42.00							-0.09
PKST		32	228	E	Pg		2140	38.10							0.21
PKST		32	228	E	Sg		2140	42.60							0.04

March 11 2011 Hour: 01:45:23.5 Lat: 47.454°N Lon: 18.306°E Depth: 10.0 km
 Magnitude: 2.3ML Rms: 1.19 s Gap: 58° Erh: 3.3 km Erz: 2.6 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	138	E	Pg	C	145	25.60							-0.31
CSKK		10	199	E	Pg	D	145	26.40							0.32
PKST		29	223	E	Pg		145	29.30							0.21
SUKH		33	135	E	Pg		145	29.40							-0.25
SUKH		33	135	E	Sg		145	33.60							-0.89
BUD		54	87	E	Pg	D	145	32.70							-0.60
PKS7		79	125	E	Pg	C	145	39.00							1.33
PKS7		79	125	E	Sg		145	46.60							-2.15
PKS9		96	181	E	Pg	C	145	42.30							1.52
PKS9		96	181	E	Sg		145	53.60							-0.68
VYHS		122	19	E	Pn		145	44.30							-0.14
VYHS		122	19	E	Sn		145	57.80							-3.01
ZST		122	312	E	Pn		145	43.50							-0.94
ZST		122	312	E	Sn		145	58.50							-2.31
PSZ		129	67	E	Pn	C	145	45.00							-0.41

PSZ	129	67	E	Sn		146	02.50	-0.03
SOP	134	281	E	Pn		145	46.50	0.58
SOP	134	281	E	Sn		146	02.20	-1.23
SMOL	134	331	E	Pn		145	47.20	1.18
SMOL	134	331	E	Sn		146	03.00	-0.61
PKS6	134	135	E	Pn	C	145	47.00	0.98
PKS6	134	135	E	Sn		146	02.10	-1.52
PKSM	140	170	E	Pn	C	145	46.70	-0.03
PKSM	140	170	E	Sn		146	02.70	-2.18
KECS	198	55	E	Pn		145	56.20	2.19
KECS	198	55	E	Sn		146	23.80	5.95
LANS	207	25	E	Pn		145	58.30	3.24
LANS	207	25	E	Sn		146	23.00	3.28
VRAC	242	328	I	Pn		145	59.70	0.31
BZS	325	129	I	Pn	D	146	10.20	0.35
DRGR	342	102	I	Pn	D	146	15.00	3.11
MDVR	397	138	I	Pn	D	146	19.00	0.29
KHC	397	298	E	Pn		146	19.80	1.05
KHC	397	298	E	Sn		147	01.40	-0.48
GZR	413	124	I	Pn		146	21.10	0.39
BURB	520	88	I	Pn		146	34.50	0.37

March 11 2011 Hour: 01:49:39.5 Lat: 47.459°N Lon: 18.354°E Depth: 8.1 km
 Magnitude: 0.3ML Rms: 0.10 s Gap: 273° Erh: 1.3 km Erz: 1.0 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	160	E	Pg	C	149	41.50	-0.02						
PKSG		8	160	E	Sg		149	43.00	-0.10						
CSKK		12	213	E	Pg	D	149	42.20	0.01						
CSKK		12	213	E	Sg		149	44.40	0.11						
SUKH		31	140	E	Pg		149	45.40	0.16						
SUKH		31	140	E	Sg		149	49.60	-0.13						
PKST		32	227	E	Pg	C	149	45.40	-0.12						
PKST		32	227	E	Sg		149	50.30	0.07						

March 11 2011 Hour: 04:16:58.7 Lat: 47.453°N Lon: 18.365°E Depth: 8.6 km
 Magnitude: 0.2ML Rms: 0.05 s Gap: 272° Erh: 0.7 km Erz: 0.6 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	164	E	Pg	D	417	00.80	0.09						
PKSG		7	164	E	Sg		417	02.20	-0.06						
CSKK		12	218	E	Pg	D	417	01.40	-0.07						
CSKK		12	218	E	Sg		417	03.60	0.00						
SUKH		30	141	E	Sg		417	08.70	0.01						
PKST		33	229	E	Pg	D	417	04.80	-0.01						
PKST		33	229	E	Sg		417	09.60	0.04						

March 11 2011 Hour: 09:06:28.2 Lat: 47.376°N Lon: 18.073°E Depth: 10.0 km
 Magnitude: 0.7ML Rms: 0.78 s Gap: 263° Erh: 1.4 km Erz: 0.9 km
 Locality: Súr Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKST		13	193	E	Pg	C	906	31.40	0.22						
PKST		13	193	E	Sg		906	33.30	-0.20						
CSKK		14	96	E	Pg	D	906	32.10	0.79						

CHAPTER 1. LOCAL EARTHQUAKES

CSKK 14 96 E Sg 906 34.30 0.57
 SUKH 43 110 E Pg 906 34.90 -1.31

March 11 2011 Hour: 15:34:52.9 Lat: 47.500°N Lon: 18.362°E Depth: 6.6 km
 Magnitude: 0.9ML Rms: 0.31 s Gap: 229° Erh: 3.4 km Erz: 5.2 km

Locality: Vértessomló

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		12	170	E Pg	D	1534	55.60	0.24							
PKSG		12	170	E Sg		1534	57.20	-0.10							
CSKK		17	207	E Pg	D	1534	56.30	0.16							
CSKK		17	207	E Sg		1534	58.50	-0.19							
SUKH		34	146	E Pg	D	1534	59.50	0.35							
SUKH		34	146	E Sg		1535	03.70	-0.34							
PKST		36	223	E Pg	D	1534	59.30	-0.20							
PKST		36	223	E Sg		1535	04.50	-0.17							
BUD		49	92	E Sg		1535	07.10	-1.78							

March 11 2011 Hour: 18:52:33.7 Lat: 47.451°N Lon: 18.368°E Depth: 10.0 km
 Magnitude: 0.1ML Rms: 0.08 s Gap: 271° Erh: 1.1 km Erz: 0.8 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	165	E Pg	D	1852	35.90	0.08							
PKSG		6	165	E Sg		1852	37.30	-0.20							
CSKK		12	220	E Pg	D	1852	36.50	-0.04							
CSKK		12	220	E Sg		1852	38.90	0.11							
SUKH		29	141	E Sg		1852	43.70	0.04							
PKST		33	230	E Pg	C	1852	39.80	-0.02							
PKST		33	230	E Sg		1852	44.60	-0.02							

March 12 2011 Hour: 02:42:01.4 Lat: 47.438°N Lon: 18.371°E Depth: 12.1 km
 Magnitude: 1.0ML Rms: 0.39 s Gap: 145° Erh: 1.8 km Erz: 1.0 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	164	E Pg	D	242	03.50	-0.22							
PKSG		5	164	E Sg		242	05.10	-0.46							
CSKK		11	225	E Pg	D	242	04.30	-0.08							
CSKK		11	225	E Sg		242	06.50	-0.23							
SUKH		28	140	E Pg	C	242	07.20	0.29							
SUKH		28	140	E Sg		242	11.30	0.06							
PKST		32	232	E Pg	C	242	07.60	0.08							
PKST		32	232	E Sg		242	12.50	0.17							
BUD		49	84	E Pg		242	10.90	0.43							
BUD		49	84	E Sg		242	16.90	-0.66							
VYHS		122	16	E Pn		242	22.20	0.08							
VYHS		122	16	E Sn		242	36.20	-2.11							
PKSM		137	171	E Pn		242	24.60	0.54							
PKSM		137	171	E Sn		242	40.60	-1.15							

March 12 2011 Hour: 05:47:01.9 Lat: 47.566°N Lon: 19.404°E Depth: 10.0 km
 Magnitude: 1.7ML Rms: 0.82 s Gap: 158° Erh: 6.0 km Erz: 3.2 km

Locality: Isaszeg

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		30	252	E Pg		547	07.10	-0.44							
BUD		30	252	E Sg		547	11.80	-0.16							
PSZ		53	43	E Pg		547	11.60	-0.03							

PSZ	53	43	E	Sg	547	18.70	-0.54	
SUKH	69	239	E	Pg	547	13.00	-1.42	
SUKH	69	239	E	Sg	547	23.70	-0.50	
PKSG	78	256	E	Pg	547	16.80	0.73	
PKSG	78	256	E	Sg	547	26.00	-1.14	
CSKK	89	255	E	Pg	547	19.10	1.20	
CSKK	89	255	E	Sg	547	31.40	1.01	
PKST	108	252	E	Pn	547	20.80	-0.41	
PKST	108	252	E	Sn	547	35.80	-0.49	
PKS9	138	218	E	Pn	D	547	25.20	0.31
PKS9	138	218	E	Sn		547	43.60	0.76
PKSM	161	201	E	Pn		547	29.20	1.44
PKSM	161	201	E	Sn		547	47.10	-0.85

March 12 2011 Hour: 07:41:00.9 Lat: 47.350°N Lon: 18.285°E Depth: 2.3 km
 Magnitude: 0.3ML Rms: 0.09 s Gap: 182° Erh: 3.3 km Erz: 3.8 km

Locality: Csákberény

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		2	308	E	Pg	741	01.40	-0.05							
CSKK		2	308	E	Sg	741	01.90	0.00							
PKSG		9	60	E	Pg	741	02.50	-0.08							
PKSG		9	60	E	Sg	741	04.10	0.20							
PKST		21	242	E	Sg	741	07.80	0.06							

March 12 2011 Hour: 15:04:33.0 Lat: 47.426°N Lon: 18.189°E Depth: 5.2 km
 Magnitude: 0.5ML Rms: 0.17 s Gap: 252° Erh: 10.5 km Erz: 16.4 km

Locality: Puzstavám

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		8	142	E	Pg	C	1504	35.00	0.17						
CSKK		8	142	E	Sg		1504	36.10	-0.16						
PKSG		15	104	E	Pg	C	1504	36.10	0.15						
PKSG		15	104	E	Sg		1504	38.10	-0.15						
PKST		22	212	E	Pg	C	1504	36.80	-0.23						
PKST		22	212	E	Sg		1504	40.30	0.12						

March 13 2011 Hour: 04:20:45.6 Lat: 47.415°N Lon: 18.201°E Depth: 4.6 km
 Magnitude: 0.0ML Rms: 0.04 s Gap: 244° Erh: 3.2 km Erz: 4.4 km

Locality: Puzstavám

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		7	142	E	Pg	C	420	47.20	0.04						
CSKK		7	142	E	Sg		420	48.30	-0.06						
PKSG		14	100	E	Pg	C	420	48.30	-0.04						
PKSG		14	100	E	Sg		420	50.50	0.04						
PKST		21	216	E	Sg		420	52.60	0.01						

March 13 2011 Hour: 22:56:49.0 Lat: 47.672°N Lon: 18.123°E Depth: 6.5 km
 Magnitude: 1.0ML Rms: 0.68 s Gap: 202° Erh: 3.0 km Erz: 3.4 km

Locality: Kisigmánd

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		35	163	E	Pg	D	2256	55.80	0.34						
CSKK		35	163	E	Sg		2257	00.80	0.27						
PKSG		37	147	E	Pg	D	2256	55.60	-0.08						
PKSG		37	147	E	Sg		2257	01.40	0.48						
PKST		46	188	E	Pg	D	2256	56.80	-0.52						
PKST		46	188	E	Sg		2257	02.30	-1.54						

CHAPTER 1. LOCAL EARTHQUAKES

SUKH	60	142	E	Pg	D	2257	00.00	0.18
SUKH	60	142	E	Sg		2258	07.80	-0.50
BUD	70	107	E	Sg		2257	11.20	-0.39
VYHS	105	30	E	Pg		2257	09.20	1.32
VYHS	105	30	E	Sg		2257	21.50	-1.14
PKSM	167	166	E	Pn		2257	15.70	-0.28
PKSM	167	166	E	Sn		2257	37.90	0.84
CRVS	283	61	E	Pn		2257	33.10	2.66
STHS	301	50	E	Pn		2257	32.00	-0.72

March 14 2011 Hour: 00:16:08.2 Lat: 47.350°N Lon: 18.152°E Depth: 10.0 km
 Magnitude: -0.1ML Rms: 0.09 s Gap: 214° Erh: 4.5 km Erz: 1.4 km
 Locality: Nagyveleg Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		8	80	E Pg		016	10.70	0.17							
CSKK		8	80	E Sg		016	12.30	-0.04							
PKST		13	221	E Pg	C	016	11.20	-0.01							
PKST		13	221	E Sg		016	13.50	-0.05							
PKSG		18	75	E Pg	C	016	11.90	-0.08							
PKSG		18	75	E Sg		016	14.90	-0.02							

March 16 2011 Hour: 00:49:24.8 Lat: 47.461°N Lon: 18.375°E Depth: 8.6 km
 Magnitude: -0.1ML Rms: 0.06 s Gap: 274° Erh: 0.9 km Erz: 0.7 km
 Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		7	171	E Pg	C	049	26.90	-0.01							
PKSG		7	171	E Sg		049	28.50	-0.01							
CSKK		13	219	E Pg	D	049	27.70	-0.05							
CSKK		13	219	E Sg		049	30.10	0.08							
SUKH		30	143	E Sg		049	34.90	0.03							
PKST		34	229	E Pg	D	049	31.20	0.07							
PKST		34	229	E Sg		049	35.90	-0.13							

March 17 2011 Hour: 05:57:17.7 Lat: 47.402°N Lon: 18.237°E Depth: 0.8 km
 Magnitude: 1.1ML Rms: 0.09 s Gap: 231° Erh: 1.3 km Erz: 7.1 km
 Locality: Pusztavám Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		4	158	E Pg		557	18.70	0.13							
CSKK		4	158	E Sg		557	19.20	-0.01							
PKSG		11	95	E Pg	D	557	19.80	-0.01							
PKSG		11	95	E Sg		557	21.30	-0.13							
PKST		22	224	E Pg		557	21.70	0.03							
PKST		22	224	E Sg		557	24.60	-0.15							

March 17 2011 Hour: 10:50:27.2 Lat: 48.379°N Lon: 19.827°E Depth: 0.0 km
 Magnitude: 1.8ML Rms: 0.61 s Gap: 105° Erh: 2.1 km Erz: 3.8 km
 Locality: Slovakia Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		50	77	E Pg		1050	36.20	0.03							
KECS		50	77	E Sg		1050	42.90	-0.25							
PSZ		51	174	E Pg	C	1050	36.50	0.08							
PSZ		51	174	E Sg		1050	43.20	-0.38							
VYHS		74	280	E Pg		1050	41.10	0.57							
VYHS		74	280	E Sg		1050	50.40	-0.50							
LANS		89	343	E Sg		1050	55.10	-0.68							

CRVS	133	64	E Pn	1050	50.70	-0.24
CRVS	133	64	E Sn	1051	07.50	-1.93
STHS	155	42	E Pn	1050	55.10	1.48
STHS	155	42	E Sn	1051	15.40	1.19

March 17 2011 **Hour: 13:05:21.8** **Lat: 47.386°N** **Lon: 18.255°E** **Depth: 3.2 km**
Magnitude: 0.8ML **Rms: 0.07 s** **Gap: 216°** **Erh: 1.8 km** **Erz: 1.1 km**

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		2	170	E Pg	C	1305	22.60	0.11							
CSKK		2	170	E Sg		1305	23.00	-0.05							
PKSG		10	86	E Pg	D	1305	23.70	0.01							
PKSG		10	86	E Sg		1305	25.10	-0.09							
PKST		21	230	E Pg	C	1305	25.70	0.00							
PKST		21	230	E Sg		1305	28.70	-0.07							

March 18 2011 **Hour: 18:56:26.7** **Lat: 47.468°N** **Lon: 18.365°E** **Depth: 9.2 km**
Magnitude: 0.9ML **Rms: 0.20 s** **Gap: 150°** **Erh: 1.3 km** **Erz: 0.8 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	167	E Pg	C	1856	28.90	-0.05							
PKSG		8	167	E Sg		1856	30.50	-0.21							
CSKK		14	214	E Pg	D	1856	29.70	0.00							
CSKK		14	214	E Sg		1856	32.00	-0.04							
PKST		34	227	E Pg	C	1856	33.00	-0.01							
PKST		34	227	E Sg		1856	37.80	-0.13							
PKS9		98	184	E Sg		1856	58.40	0.36							
VYHS		119	17	E Pn		1856	47.70	0.27							
VYHS		119	17	E Sn		1857	02.30	-1.31							
PKSM		141	171	E Sn		1857	08.20	-0.28							

March 19 2011 **Hour: 17:57:51.2** **Lat: 47.361°N** **Lon: 18.240°E** **Depth: 2.6 km**
Magnitude: -0.1ML **Rms: 0.12 s** **Gap: 199°** **Erh: 7.6 km** **Erz: 1.1 km**

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		1	81	E Pg		1757	51.80	0.08							
CSKK		1	81	E Sg		1757	52.10	-0.05							
PKSG		11	73	E Pg	D	1757	53.20	-0.16							
PKSG		11	73	E Sg		1757	55.10	0.05							
PKST		19	234	E Pg		1757	54.80	0.15							
PKST		19	234	E Sg		1757	57.20	-0.15							

March 20 2011 **Hour: 05:27:04.3** **Lat: 47.386°N** **Lon: 18.251°E** **Depth: 2.8 km**
Magnitude: 0.4ML **Rms: 0.06 s** **Gap: 217°** **Erh: 1.8 km** **Erz: 1.3 km**

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		2	164	E Pg	C	527	05.10	0.09							
CSKK		2	164	E Sg		527	05.50	-0.05							
PKSG		10	86	E Pg	D	527	06.30	0.02							
PKSG		10	86	E Sg		527	07.70	-0.10							
PKST		21	229	E Pg		527	08.20	-0.01							
PKST		21	229	E Sg		527	11.20	-0.05							

March 20 2011 **Hour: 20:39:47.6** **Lat: 47.469°N** **Lon: 18.345°E** **Depth: 6.6 km**
Magnitude: -0.4ML **Rms: 0.09 s** **Gap: 293°** **Erh: 5.5 km** **Erz: 6.7 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	158	E Pg	D	2039	49.70	0.08							
PKSG		9	158	E Sg		2039	50.90	-0.30							
CSKK		13	209	E Pg	D	2039	50.20	-0.06							
CSKK		13	209	E Sg		2039	52.40	0.07							
PKST		33	225	E Pg		2039	53.60	-0.02							
PKST		33	225	E Sg		2039	58.40	0.08							

March 20 2011 **Hour: 22:39:07.3** **Lat: 47.467°N** **Lon: 18.355°E** **Depth: 6.5 km**
Magnitude: 0.0ML **Rms: 0.04 s** **Gap: 296°** **Erh: 2.0 km** **Erz: 2.4 km**
Locality: Oroszlány **Comments:**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	162	E Pg	C	2239	09.30	0.00							
PKSG		8	162	E Sg		2239	10.80	-0.02							
CSKK		13	212	E Pg	D	2239	10.10	0.07							
CSKK		13	212	E Sg		2239	12.10	-0.04							
PKST		33	226	E Pg	D	2239	13.40	-0.04							
PKST		33	226	E Sg		2239	18.20	0.00							

March 21 2011 **Hour: 08:34:06.1** **Lat: 47.437°N** **Lon: 18.380°E** **Depth: 0.0 km**
Magnitude: 1.1ML **Rms: 0.11 s** **Gap: 298°** **Erh: 1.6 km** **Erz: 191 km**
Locality: Várgesztes **Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	171	E Pg	C	834	07.00	-0.02							
PKSG		5	171	E Sg		834	07.70	-0.02							
CSKK		12	228	E Pg	C	834	08.40	0.11							
CSKK		12	228	E Sg		834	10.10	0.12							
PKST		32	233	E Pg	C	834	11.90	-0.06							
PKST		32	233	E Sg		834	16.20	-0.32							

March 21 2011 **Hour: 08:40:52.3** **Lat: 47.453°N** **Lon: 18.320°E** **Depth: 0.0 km**
Magnitude: 1.0ML **Rms: 0.39 s** **Gap: 277°** **Erh: 5.1 km** **Erz: 649 km**
Locality: Oroszlány **Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	142	E Pg	C	840	53.60	-0.21							
PKSG		8	142	E Sg		840	54.60	-0.41							
CSKK		11	204	E Pg	C	840	54.90	0.67							
CSKK		11	204	E Sg		840	56.10	0.34							
PKST		30	225	E Pg		840	57.50	-0.22							
PKST		30	225	E Sg		841	01.70	-0.28							

March 21 2011 **Hour: 10:27:27.8** **Lat: 48.029°N** **Lon: 19.608°E** **Depth: 0.0 km**
Magnitude: 1.0ML **Rms: 0.41 s** **Gap: 192°** **Erh: 3.2 km** **Erz: 705 km**
Locality: Nagylóc **Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		24	120	E Pg	C	1027	32.30	0.11							
PSZ		24	120	E Sg		1027	35.60	-0.03							
VYHS		77	312	E Pg		1027	41.70	0.13							
VYHS		77	312	E Sg		1027	52.50	0.17							
KECS		82	52	E Pg		1027	41.60	-0.91							
KECS		82	52	E Sg		1027	54.50	0.51							

March 24 2011 **Hour: 01:16:47.1** **Lat: 47.500°N** **Lon: 18.347°E** **Depth: 0.1 km**
Magnitude: 0.0ML **Rms: 0.16 s** **Gap: 303°** **Erh: 3.6 km** **Erz: 431 km**
Locality: Vértessomló **Comments:**
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
PKSG 12 165 E Pg 116 49.40 0.04
PKSG 12 165 E Sg 116 50.80 -0.30
CSKK 16 203 E Pg 116 50.10 0.01
CSKK 16 203 E Sg 116 52.70 0.30
PKST 35 221 E Sg 116 58.40 -0.09

March 24 2011 **Hour: 11:15:35.4** **Lat: 47.498°N** **Lon: 18.350°E** **Depth: 0.4 km**
Magnitude: 0.5ML **Rms: 0.06 s** **Gap: 304°** **Erh: 1.9 km** **Erz: 46.4 km**
Locality: Vértessomló **Comments:**
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
PKSG 12 165 E Pg C 1115 37.60 0.03
PKSG 12 165 E Sg 1115 39.20 -0.08
CSKK 16 204 E Pg C 1115 38.40 0.07
CSKK 16 204 E Sg 1115 40.70 0.08
PKST 35 222 E Pg D 1115 41.70 -0.07
PKST 35 222 E Sg 1115 46.70 -0.04

March 25 2011 **Hour: 09:54:44.5** **Lat: 47.462°N** **Lon: 18.329°E** **Depth: 0.0 km**
Magnitude: 1.0ML **Rms: 0.51 s** **Gap: 285°** **Erh: 6.9 km** **Erz: 886 km**
Locality: Oroszlány **Comments: probably explosion**
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
PKSG 9 149 E Pg C 954 46.10 -0.01
PKSG 9 149 E Sg 954 46.80 -0.58
CSKK 12 205 E Pg C 954 47.40 0.74
CSKK 12 205 E Sg 954 48.90 0.54
PKST 31 225 E Pg C 954 49.80 -0.35
PKST 31 225 E Sg 954 53.90 -0.67

March 25 2011 **Hour: 10:02:03.0** **Lat: 47.443°N** **Lon: 18.373°E** **Depth: 0.0 km**
Magnitude: 1.0ML **Rms: 0.14 s** **Gap: 295°** **Erh: 2.9 km** **Erz: 314 km**
Locality: Oroszlány **Comments: probably explosion**
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
PKSG 5 167 E Pg C 1002 04.10 0.04
PKSG 5 167 E Sg 1002 04.70 -0.18
CSKK 12 224 E Pg C 1002 05.40 0.19
CSKK 12 224 E Sg 1002 07.00 0.07
PKST 32 231 E Pg C 1002 08.70 -0.17
PKST 32 231 E Sg 1002 10.90 -2.53

March 25 2011 **Hour: 11:20:10.4** **Lat: 47.450°N** **Lon: 18.081°E** **Depth: 10.0 km**
Magnitude: 0.6ML **Rms: 0.16 s** **Gap: 276°** **Erh: 3.6 km** **Erz: 5.5 km**
Locality: Bakonysárkány **Comments:**
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
CSKK 16 125 E Pg 1120 14.10 0.26
CSKK 16 125 E Sg 1120 16.60 0.06
PKST 21 190 E Pg C 1120 14.60 -0.01
PKST 21 190 E Sg 1120 17.70 -0.21
PKSG 24 105 E Pg C 1120 15.00 -0.06
PKSG 24 105 E Sg 1120 18.50 -0.21

CHAPTER 1. LOCAL EARTHQUAKES

March 25 2011 Hour: 15:12:25.0 Lat: 45.601°N Lon: 22.805°E Depth: 2.2 km
 Magnitude: 3.4ML Rms: 0.91 s Gap: 38° Erh: 2.7 km Erz: 3.3 km
 Locality: Romania Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DEV		32	14	I Pg		1512	31.50	0.69							
LOT		77	103	I Pg	D	1512	37.60	-1.22							
BZS		92	271	I Pg	D	1512	41.30	-0.29							
RMGR		104	185	I Pg	D	1512	43.70	-0.01							
SRE		109	163	I Pg		1512	44.90	0.42							
SIRR		115	310	I Pg		1512	45.60	-0.09							
TIM		124	277	I Pg		1512	47.80	0.56							
MDVR		125	223	I Pg		1512	46.50	-0.88							
DRGR		132	357	I Pn		1512	47.90	-0.40							
BANR		132	259	I Pn	D	1512	48.90	0.57							
MDB		136	64	I Pn	D	1512	48.40	-0.36							
CJR		138	26	I Pn		1512	48.30	-0.68							
ARR		145	100	I Pn	D	1512	48.10	-1.79							
CRAR		162	151	I Pn	D	1512	52.60	0.62							
VOIR		176	96	I Pn	D	1512	52.70	-1.05							
GOLR		189	117	I Pn		1512	57.80	2.41							
ARCR		203	36	I Pn		1512	57.90	0.74							
HUMR		208	125	I Pn		1512	59.40	1.61							
BMR		236	13	I Pn		1513	04.20	2.96							
MLR		245	93	I Pn	D	1513	02.90	0.52							
PKS6		274	294	E Pn	D	1513	04.70	-1.25							
PKS6		274	294	E Sn		1513	37.50	-0.37							
TRPA		281	356	E Pn		1513	07.40	0.47							
TRPA		281	356	E Sn		1513	45.30	5.69							
BURB		290	40	I Pn		1513	08.70	0.73							
PKS7		323	300	E Pn		1513	12.30	0.19							
PKSM		330	282	E Pn	C	1513	12.70	-0.24							
PKSM		330	282	E Sn		1513	47.40	-2.92							
PSZ		340	319	E Pn		1513	16.00	1.79							
PSZ		340	319	E Sn		1513	49.60	-2.97							
KECS		365	331	E Pn		1513	19.00	1.63							
KECS		365	331	E Sn		1514	12.10	13.89							
PKS9		366	287	E Pn	C	1513	17.60	0.09							
PKS9		366	287	E Sn		1513	55.90	-2.55							
KOLS		372	354	E Pn		1513	21.10	2.86							
KOLS		372	354	E Sn		1514	12.40	12.65							
CRVS		380	345	E Pn		1513	20.40	1.14							
CRVS		380	345	E Sn		1514	15.50	13.93							
PKSG		393	300	E Pn		1513	21.30	0.52							
PKSG		393	300	E Sn		1514	03.60	-0.68							
PKST		410	297	E Pn	D	1513	23.60	0.65							
PKST		410	297	E Sn		1514	07.50	-0.63							
STHS		440	345	E Pn		1513	23.60	-3.07							
STHS		440	345	E Sn		1514	35.10	20.35							
VYHS		440	317	E Pn		1513	26.90	0.15							
LANS		468	327	E Pn		1513	32.40	2.24							
LANS		468	327	E Sn		1514	42.60	21.63							
ZST		521	304	E Pn		1513	41.00	4.19							
LEGS		583	274	I Pn		1513	44.30	-0.25							
ARSA		589	288	Pn		1513	45.50	0.28							

CONA	590 296	Pn	1513 42.10	-3.25
PERS	605 281	E Pn	1513 47.80	0.54
SOKA	612 281	Pn	1513 47.50	-0.63
JAVS	681 273	I Pn	1513 52.00	-4.68

March 25 2011 **Hour: 19:44:59.6** **Lat: 47.424°N** **Lon: 18.029°E** **Depth: 13.5 km**
Magnitude: 0.6ML **Rms: 0.71 s** **Gap: 279°** **Erh: 2.1 km** **Erz: 0.8 km**

Locality: Aka

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKST		18	179	E Pg	C	1945	04.30	0.67							
PKST		18	179	E Sg		1945	06.50	-0.30							
CSKK		18	111	E Pg	C	1945	04.30	0.61							
CSKK		18	111	E Sg		1945	06.40	-0.50							
PKSG		27	97	E Pg	C	1945	05.40	0.36							
PKSG		27	97	E Sg		1945	08.40	-0.90							
PKSM		142	161	E Pn	D	1945	21.90	-0.77							
PKSM		142	161	E Sn		1945	36.80	-3.88							

March 26 2011 **Hour: 06:48:58.1** **Lat: 47.487°N** **Lon: 18.343°E** **Depth: 0.2 km**
Magnitude: 0.0ML **Rms: 0.08 s** **Gap: 299°** **Erh: 3.9 km** **Erz: 199 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	161	E Pg	D	649	00.20	0.06							
PKSG		11	161	E Sg		649	01.60	-0.09							
CSKK		15	204	E Pg	D	649	00.80	-0.04							
CSKK		15	204	E Sg		649	03.10	0.15							
PKST		34	223	E Pg	C	649	04.30	0.00							
PKST		34	223	E Sg		649	09.00	-0.10							

March 26 2011 **Hour: 06:58:33.9** **Lat: 47.489°N** **Lon: 18.343°E** **Depth: 1.3 km**
Magnitude: 0.6ML **Rms: 0.04 s** **Gap: 299°** **Erh: 1.4 km** **Erz: 11.4 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	162	E Pg	D	658	36.00	0.02							
PKSG		11	162	E Sg		658	37.50	-0.08							
CSKK		15	204	E Pg	D	658	36.70	0.02							
CSKK		15	204	E Sg		658	38.90	0.08							
PKST		34	222	E Pg		658	40.10	-0.02							
PKST		34	222	E Sg		658	44.90	-0.04							

March 26 2011 **Hour: 06:59:02.5** **Lat: 47.465°N** **Lon: 18.361°E** **Depth: 8.6 km**
Magnitude: 1.1ML **Rms: 0.05 s** **Gap: 150°** **Erh: 2.9 km** **Erz: 2.5 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		8	165	E Pg	D	659	04.70	0.09							
PKSG		8	165	E Sg		659	06.20	-0.09							
CSKK		13	214	E Pg	D	659	05.30	-0.04							
CSKK		13	214	E Sg		659	07.60	0.01							
PKST		33	227	E Pg	C	659	08.70	0.03							
PKST		33	227	E Sg		659	13.50	-0.01							
VYHS		119	17	E Pn		659	23.30	-0.03							
VYHS		119	17	E Sn		659	37.30	-2.30							

CHAPTER 1. LOCAL EARTHQUAKES

March 30 2011 Hour: 00:11:19.9 Lat: 47.453°N Lon: 18.379°E Depth: 10.0 km
 Magnitude: -0.1ML Rms: 0.08 s Gap: 302° Erh: 1.0 km Erz: 0.6 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	173	E Pg	D	011	22.10	0.00							
PKSG		6	173	E Sg		011	23.70	-0.09							
CSKK		13	222	E Pg	C	011	23.00	0.08							
CSKK		13	222	E Sg		011	25.40	0.15							
PKST		33	230	E Pg		011	26.20	-0.03							
PKST		33	230	E Sg		011	31.00	-0.15							

March 30 2011 Hour: 00:25:00.4 Lat: 47.493°N Lon: 18.349°E Depth: 4.7 km
 Magnitude: -0.5ML Rms: 0.05 s Gap: 302° Erh: 3.3 km Erz: 7.5 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	164	E Pg	D	025	02.70	0.07							
PKSG		11	164	E Sg		025	04.30	-0.08							
CSKK		15	205	E Pg	D	025	03.30	-0.04							
CSKK		15	205	E Sg		025	05.70	0.05							
PKST		35	222	E Pg	C	025	06.70	-0.03							
PKST		35	222	E Sg		025	11.70	0.02							

March 30 2011 Hour: 01:50:24.0 Lat: 47.308°N Lon: 18.033°E Depth: 10.0 km
 Magnitude: 0.0ML Rms: 0.01 s Gap: 251° Erh: 0.6 km Erz: 0.3 km

Locality: Szápár

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKST		5	179	E Pg	C	150	26.00	-0.01							
PKST		5	179	E Sg		150	27.60	0.01							
CSKK		18	70	E Pg	C	150	27.70	0.00							
CSKK		18	70	E Sg		150	30.60	0.00							
PKSG		28	71	E Pg	C	150	29.40	0.01							
PKSG		28	71	E Sg		150	33.60	-0.01							

March 30 2011 Hour: 08:48:09.2 Lat: 47.365°N Lon: 18.448°E Depth: 0.0 km
 Magnitude: 1.4ML Rms: 0.43 s Gap: 236° Erh: 3.4 km Erz: 592 km

Locality: Gánt

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	304	E Pg	C	848	10.40	0.21							
PKSG		5	304	E Sg		848	11.20	0.28							
CSKK		14	269	E Pg	C	848	11.80	0.02							
CSKK		14	269	E Sg		848	12.90	-0.86							
PKST		33	249	E Pg		848	15.00	-0.22							
PKST		33	249	E Sg		848	20.00	0.12							
VYHS		128	13	E Pg		848	32.80	0.55							
VYHS		128	13	E Sg		848	49.10	-1.09							

March 31 2011 Hour: 21:48:25.6 Lat: 47.488°N Lon: 18.342°E Depth: 0.4 km
 Magnitude: -0.1ML Rms: 0.09 s Gap: 299° Erh: 2.7 km Erz: 64.9 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	161	E Pg	D	2148	27.70	0.06							
PKSG		11	161	E Sg		2148	29.10	-0.12							
CSKK		15	204	E Pg	D	2148	28.40	0.06							
CSKK		15	204	E Sg		2148	30.60	0.14							
PKST		34	222	E Pg	D	2148	31.70	-0.08							

PKST 34 222 E Sg 2148 36.50 -0.09

March 31 2011 Hour: 23:12:25.5 Lat: 47.485°N Lon: 18.341°E Depth: 0.1 km

Magnitude: -0.3ML Rms: 0.11 s Gap: 297° Erh: — km Erz: — km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	160	E Pg	C	2312	27.40	-0.03							
CSKK		14	204	E Pg	D	2312	28.30	0.18							
PKST		34	223	E Pg		2312	31.50	-0.07							
PKST		34	223	E Sg		2312	36.20	-0.13							

April 01 2011 Hour: 09:51:38.5 Lat: 47.405°N Lon: 18.069°E Depth: 14.0 km

Magnitude: 0.5ML Rms: 0.79 s Gap: 235° Erh: 3.2 km Erz: 2.9 km

Locality: Aka

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		15	108	E Pg	C	951	42.30	0.16							
CSKK		15	108	E Sg		951	45.10	0.08							
PKST		16	189	E Pg	C	951	42.50	0.19							
PKST		16	189	E Sg		951	45.60	0.28							
PKSG		24	93	E Pg	C	951	43.00	-0.47							
PKSG		24	93	E Sg		951	45.90	-1.47							
VSOM		25	64	E Sg		951	50.50	2.73							

April 01 2011 Hour: 10:23:31.2 Lat: 47.471°N Lon: 18.364°E Depth: 8.1 km

Magnitude: 0.6ML Rms: 0.12 s Gap: 155° Erh: 0.9 km Erz: 1.1 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	13	E Pg	C	1023	32.80	-0.05							
VSOM		4	13	E Sg		1023	33.90	-0.21							
BOKD		8	283	E Pg	C	1023	33.50	0.14							
PKSG		9	167	E Pg	C	1023	33.50	0.10							
PKSG		9	167	E Sg		1023	35.00	-0.09							
CSKK		14	213	E Pg	D	1023	34.30	0.13							
CSKK		14	213	E Sg		1023	36.50	0.04							
PKST		34	227	E Pg	C	1023	37.40	-0.13							
PKST		34	227	E Sg		1023	42.30	-0.14							

April 01 2011 Hour: 20:40:08.7 Lat: 47.454°N Lon: 18.220°E Depth: 4.3 km

Magnitude: -0.2ML Rms: 0.05 s Gap: 260° Erh: 1.1 km Erz: 2.5 km

Locality: Bokod

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		10	163	E Pg	C	2040	10.70	-0.05							
CSKK		10	163	E Sg		2040	12.40	0.06							
VSOM		13	64	E Sg		2040	13.10	-0.01							
PKSG		14	118	E Pg	D	2040	11.50	0.06							
PKSG		14	118	E Sg		2040	13.50	-0.06							

April 01 2011 Hour: 20:40:24.6 Lat: 47.454°N Lon: 18.211°E Depth: 9.1 km

Magnitude: 0.1ML Rms: 0.12 s Gap: 213° Erh: 1.3 km Erz: 2.1 km

Locality: Bokod

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		10	160	E Pg	C	2040	27.30	0.18							
CSKK		10	160	E Sg		2040	29.10	0.01							
VSOM		13	65	E Pg	D	2040	27.50	-0.05							
VSOM		13	65	E Sg		2040	29.80	-0.04							

CHAPTER 1. LOCAL EARTHQUAKES

PKSG 15 117 E Pg D 2040 27.90 0.13
 PKSG 15 117 E Sg 2040 30.00 -0.24
 PKST 25 212 E Pg 2040 29.30 -0.13
 PKST 25 212 E Sg 2040 33.20 0.00

April 01 2011 Hour: 20:53:16.0 Lat: 47.449°N Lon: 18.230°E Depth: 6.1 km
Magnitude: -0.2ML Rms: 0.01 s Gap: 253° Erh: 0.1 km Erz: 0.2 km

Locality: Puzstavám

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		9	167	E Pg	C	2053	18.10	0.00							
CSKK		9	167	E Sg		2053	19.70	-0.01							
VSOM		12	60	E Sg		2053	20.50	-0.01							
PKSG		13	118	E Pg		2053	18.70	0.00							
PKSG		13	118	E Sg		2053	20.80	0.01							

April 02 2011 Hour: 23:29:40.0 Lat: 47.470°N Lon: 18.371°E Depth: 7.5 km
Magnitude: -0.2ML Rms: 0.04 s Gap: 166° Erh: 0.4 km Erz: 0.4 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	5	E Pg	C	2329	41.60	0.04							
VSOM		4	5	E Sg		2329	42.70	-0.05							
PKSG		8	171	E Pg	C	2329	42.10	-0.01							
PKSG		8	171	E Sg		2329	43.70	-0.02							
CSKK		14	215	E Pg	C	2329	43.00	0.04							
CSKK		14	215	E Sg		2329	45.30	0.06							
PKST		34	227	E Pg	C	2329	46.30	-0.06							
PKST		34	227	E Sg		2329	51.30	0.00							

April 03 2011 Hour: 00:10:40.0 Lat: 47.470°N Lon: 18.368°E Depth: 7.4 km
Magnitude: -0.4ML Rms: 0.03 s Gap: 161° Erh: 0.3 km Erz: 0.4 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	8	E Pg		010	41.50	-0.02							
VSOM		4	8	E Sg		010	42.70	0.01							
PKSG		8	169	E Pg	D	010	42.10	0.03							
PKSG		8	169	E Sg		010	43.60	-0.07							
CSKK		14	214	E Pg	D	010	42.90	0.00							
CSKK		14	214	E Sg		010	45.20	0.05							
PKST		34	227	E Sg		010	51.20	-0.01							

April 03 2011 Hour: 02:53:01.6 Lat: 47.472°N Lon: 18.368°E Depth: 7.5 km
Magnitude: -0.5ML Rms: 0.42 s Gap: 161° Erh: 3.6 km Erz: 4.8 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		3	8	E Pg		253	03.10	-0.01							
VSOM		3	8	E Sg		253	04.20	-0.08							
PKSG		9	169	E Pg	C	253	03.60	-0.11							
PKSG		9	169	E Sg		253	05.10	-0.25							
CSKK		14	214	E Pg	D	253	06.70	2.17							
CSKK		14	214	E Sg		253	06.80	-0.02							
PKST		34	227	E Sg		253	12.80	-0.06							

April 03 2011 Hour: 03:41:32.6 Lat: 47.471°N Lon: 18.375°E Depth: 7.2 km
Magnitude: -0.4ML Rms: 0.04 s Gap: 171° Erh: 0.6 km Erz: 0.6 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	1	E Pg	C	341	34.10	0.02							
VSOM		4	1	E Sg		341	35.20	-0.02							
PKSG		8	172	E Pg	C	341	34.70	0.04							
PKSG		8	172	E Sg		341	36.20	-0.05							
CSKK		14	216	E Pg	C	341	35.50	-0.05							
CSKK		14	216	E Sg		341	37.90	0.06							

April 03 2011 **Hour: 16:32:25.4** **Lat: 47.469°N** **Lon: 18.358°E** **Depth: 5.8 km**
Magnitude: 0.5ML **Rms: 0.01 s** **Gap: 151°** **Erh: 0.1 km** **Erz: 0.1 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	18	E Pg	D	1632	26.70	0.00							
VSOM		4	18	E Sg		1632	27.70	-0.01							
PKSG		9	164	E Pg	C	1632	27.30	-0.01							
PKSG		9	164	E Sg		1632	28.80	0.01							
CSKK		13	212	E Pg	D	1632	28.10	0.01							
CSKK		13	212	E Sg		1632	30.20	0.01							
PKST		33	226	E Sg		1632	36.30	-0.01							

April 03 2011 **Hour: 23:14:20.7** **Lat: 47.469°N** **Lon: 18.363°E** **Depth: 6.3 km**
Magnitude: 0.4ML **Rms: 0.03 s** **Gap: 153°** **Erh: 0.3 km** **Erz: 0.4 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	13	E Pg	D	2314	22.00	-0.02							
VSOM		4	13	E Sg		2314	23.10	0.02							
PKSG		8	166	E Pg	D	2314	22.60	0.00							
PKSG		8	166	E Sg		2314	24.10	-0.01							
CSKK		14	213	E Pg	D	2314	23.40	-0.02							
CSKK		14	213	E Sg		2314	25.60	0.04							
PKST		34	227	E Pg	C	2314	26.90	0.05							
PKST		34	227	E Sg		2314	31.60	-0.07							

April 04 2011 **Hour: 00:32:09.6** **Lat: 47.471°N** **Lon: 18.366°E** **Depth: 6.2 km**
Magnitude: -0.3ML **Rms: 0.08 s** **Gap: 157°** **Erh: 0.8 km** **Erz: 1.1 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	10	E Pg		032	10.90	0.01							
VSOM		4	10	E Sg		032	11.90	-0.03							
PKSG		9	168	E Pg	D	032	11.60	0.09							
PKSG		9	168	E Sg		032	12.90	-0.13							
CSKK		14	214	E Pg		032	12.30	-0.06							
CSKK		14	214	E Sg		032	14.70	0.16							
PKST		34	227	E Sg		032	20.60	-0.07							

April 04 2011 **Hour: 03:06:41.0** **Lat: 47.471°N** **Lon: 18.355°E** **Depth: 6.2 km**
Magnitude: 0.1ML **Rms: 0.07 s** **Gap: 156°** **Erh: 0.5 km** **Erz: 0.7 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	21	E Pg	D	306	42.40	0.03							
VSOM		4	21	E Sg		306	43.40	-0.02							
PKSG		9	163	E Pg	C	306	43.00	0.00							
PKSG		9	163	E Sg		306	44.40	-0.14							
CSKK		13	211	E Pg	C	306	43.80	0.06							
CSKK		13	211	E Sg		306	46.00	0.13							

CHAPTER 1. LOCAL EARTHQUAKES

PKST 33 226 E Pg D 306 47.10 -0.05
 PKST 33 226 E Sg 306 51.90 -0.04

April 04 2011 Hour: 07:59:28.0 Lat: 47.355°N Lon: 18.400°E Depth: 0.0 km
Magnitude: 1.0ML Rms: 0.11 s Gap: 255° Erh: 1.2 km Erz: 165 km
Locality: Gánt Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		4	350	E Pg	C	759	28.70	-0.07							
PKSG		4	350	E Sg		759	29.30	-0.05							
CSKK		10	275	E Pg	C	759	30.00	0.08							
CSKK		10	275	E Sg		759	31.20	-0.20							
VSOM		17	354	E Pg		759	31.00	-0.06							
VSOM		17	354	E Sg		759	33.70	0.28							
PKST		29	249	E Pg	C	759	33.40	0.08							

April 04 2011 Hour: 08:12:21.4 Lat: 47.339°N Lon: 18.490°E Depth: 0.0 km
Magnitude: 0.8ML Rms: 0.41 s Gap: 280° Erh: 3.9 km Erz: 571 km
Locality: Lovasberény Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		9	308	E Pg	C	812	23.40	0.26							
PKSG		9	308	E Sg		812	24.00	-0.47							
CSKK		17	279	E Pg	C	812	24.70	0.13							
CSKK		17	279	E Sg		812	25.90	-1.12							
VSOM		20	335	E Pg	C	812	24.90	-0.21							
VSOM		20	335	E Sg		812	28.50	0.53							
PKST		35	256	E Pg	C	812	27.60	-0.19							
PKST		35	256	E Sg		812	33.40	0.65							

April 04 2011 Hour: 08:12:36.4 Lat: 47.347°N Lon: 18.419°E Depth: 0.0 km
Magnitude: 1.2ML Rms: 0.23 s Gap: 262° Erh: 2.1 km Erz: 320 km
Locality: Zámoly Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		5	337	E Pg	C	812	37.30	-0.08							
PKSG		5	337	E Sg		812	37.90	-0.23							
CSKK		12	278	E Pg	C	812	38.60	0.02							
CSKK		12	278	E Sg		812	40.30	0.04							
VSOM		18	350	E Pg	C	812	39.80	0.17							
VSOM		18	350	E Sg		812	42.30	0.16							
PKST		30	251	E Pg	C	812	41.70	-0.20							
PKST		30	251	E Sg		812	47.90	1.73							

April 05 2011 Hour: 06:21:07.0 Lat: 47.234°N Lon: 18.341°E Depth: 0.9 km
Magnitude: 0.4ML Rms: 0.28 s Gap: 325° Erh: 3.6 km Erz: 54.7 km
Locality: Moha Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		15	337	E Pg		621	10.00	0.16							
CSKK		15	337	E Sg		621	11.30	-0.72							
PKSG		18	12	E Pg	C	621	10.30	0.04							
PKSG		18	12	E Sg		621	12.60	-0.17							
VSOM		30	5	E Sg		621	17.00	0.27							

April 05 2011 Hour: 23:41:31.6 Lat: 47.475°N Lon: 18.392°E Depth: 8.6 km
Magnitude: 1.3ML Rms: 0.47 s Gap: 92° Erh: 1.5 km Erz: 1.1 km
Locality: Várgesztes Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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VSOM	3	341	E	Pg	D	2341	33.50	0.22
VSOM	3	341	E	Sg		2341	34.50	-0.08
PKSG	9	180	E	Pg	C	2341	34.00	0.13
PKSG	9	180	E	Sg		2341	35.50	-0.13
BOKD	10	278	E	Pg		2341	34.20	0.15
BOKD	10	278	E	Sg		2341	36.10	0.14
CSKK	15	218	E	Pg	D	2341	34.80	-0.04
CSKK	15	218	E	Sg		2341	37.10	-0.26
PKST	36	228	I	Pg		2341	38.10	-0.14
PKST	36	228	E	Sg		2341	43.10	-0.32
BUD	47	89	E	Pg		2341	39.30	-0.96
BUD	47	89	E	Sg		2341	46.70	-0.30
PKS9	99	185	E	Pg		2341	51.80	2.42
PKS9	99	185	E	Sg		2342	03.40	0.16
VYHS	118	16	E	Pn		2341	52.60	0.34
VYHS	118	16	E	Sn		2342	06.20	-2.17
PSZ	123	66	E	Pn		2341	53.80	0.91
PSZ	123	66	E	Sn		2342	09.70	0.21

April 07 2011 **Hour: 00:09:34.4** **Lat: 47.382°N** **Lon: 18.210°E** **Depth: 5.5 km**
Magnitude: -0.2ML **Rms: 0.02 s** **Gap: 222°** **Erh: — km** **Erz: — km**

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		4	119	E	Sg		009 36.60	-0.01							
PKSG		13	86	E	Pg	C	009 37.00	-0.01							
PKSG		13	86	E	Sg		009 39.10	0.03							
PKST		19	224	E	Sg		009 40.70	0.00							

April 07 2011 **Hour: 00:30:02.7** **Lat: 47.337°N** **Lon: 18.151°E** **Depth: 7.9 km**
Magnitude: 0.2ML **Rms: 0.07 s** **Gap: 205°** **Erh: 3.9 km** **Erz: 1.1 km**

Locality: Nagyveleg

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		8	71	E	Pg		030 04.80	0.04							
CSKK		8	71	E	Sg		030 06.30	-0.10							
PKST		12	226	E	Pg	D	030 05.20	-0.08							
PKST		12	226	E	Sg		030 07.40	0.08							
PKSG		19	71	E	Pg	D	030 06.40	0.06							
PKSG		19	71	E	Sg		030 09.20	-0.02							

April 08 2011 **Hour: 09:20:13.4** **Lat: 47.333°N** **Lon: 18.400°E** **Depth: 0.0 km**
Magnitude: 1.7ML **Rms: 0.37 s** **Gap: 293°** **Erh: 5.0 km** **Erz: 611 km**

Locality: Zámoly

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		6	354	E	Pg	C	920 14.40	-0.17							
PKSG		6	354	E	Sg		920 14.90	-0.58							
CSKK		11	288	E	Pg		920 15.80	0.43							
CSKK		11	288	E	Sg		920 16.70	-0.21							
VSOM		19	355	E	Pg		920 16.70	-0.16							
VSOM		19	355	E	Sg		920 20.20	0.64							

April 10 2011 **Hour: 00:31:07.4** **Lat: 47.470°N** **Lon: 18.355°E** **Depth: 5.8 km**
Magnitude: -0.4ML **Rms: 0.04 s** **Gap: 171°** **Erh: 0.5 km** **Erz: 0.7 km**

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		4	21	E	Pg	D	031 08.70	0.04							

CHAPTER 1. LOCAL EARTHQUAKES

VSOM	4	21	E	Sg	031	09.60	-0.06
PKSG	9	163	E	Pg	031	09.30	0.00
PKSG	9	163	E	Sg	031	10.80	0.00
CSKK	13	211	E	Pg D	031	10.00	-0.05
CSKK	13	211	E	Sg	031	12.20	0.06

April 11 2011 **Hour: 04:29:30.0** **Lat: 47.346°N** **Lon: 18.261°E** **Depth: 5.0 km**
Magnitude: 0.6ML **Rms: 0.09 s** **Gap: 178°** **Erh: 1.0 km** **Erz: 0.7 km**

Locality: Csókakő

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		1	360	E Pg	C	429	31.10	0.12							
CSKK		1	360	E Sg		429	31.70	-0.03							
PKSG		11	63	E Pg	D	429	32.20	0.00							
PKSG		11	63	E Sg		429	33.80	-0.09							
PKST		19	240	E Pg	D	429	33.70	0.04							
PKST		19	240	E Sg		429	36.30	-0.18							
VSOM		19	26	E Sg		429	36.50	-0.03							

April 12 2011 **Hour: 06:51:08.7** **Lat: 46.051°N** **Lon: 16.796°E** **Depth: 12.1 km**
Magnitude: 3.0ML **Rms: 0.63 s** **Gap: 168°** **Erh: 1.7 km** **Erz: 1.2 km**

Locality: Croatia

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		46	358	E Pg	D	651	16.90	-0.42							
BEHE		46	358	E Sg		651	24.30	0.27							
KOGS		61	316	I Pg		651	20.00	0.18							
KOGS		61	316	I Sg		651	28.80	0.31							
GOLS		90	267	E Pg		651	24.90	-0.18							
GOLS		90	267	E Sg		651	37.90	0.05							
GCIS		92	257	I Pg		651	25.20	-0.24							
GCIS		92	257	E Sg		651	38.40	-0.09							
DOBS		103	276	I P*		651	27.00	-0.03							
DOBS		103	276	I S*		651	41.60	0.29							
CESS		103	265	I P*		651	27.40	0.31							
CESS		103	265	E S*		651	41.70	0.28							
CRES		106	256	I Pn		651	27.20	-0.32							
CRES		106	256	E Sn		651	42.00	-0.19							
GROS		109	295	I Pn		651	27.70	-0.18							
GROS		109	295	E Sn		651	41.40	-1.43							
LEGS		115	264	I Pn		651	28.40	-0.15							
LEGS		115	264	E Sn		651	44.40	0.38							
PKS9		128	62	E Pn		651	29.10	-1.15							
PKS9		128	62	E Sn		651	43.70	-3.35							
BOJS		134	243	E Pn		651	30.90	-0.08							
BISS		144	297	I Pn		651	32.30	0.07							
SOKA		152	297	Pn		651	33.10	-0.12							
SOKA		152	297	Sn		651	52.40	0.06							
VISS		154	260	I Pn		651	33.80	0.37							
VNDS		162	272	I Pn		651	34.40	-0.02							
PKST		164	35	E Pn		651	33.20	-1.49							
PKST		164	35	E Sn		651	54.30	-0.65							
ARSA		165	324	Pn		651	34.70	-0.09							
ARSA		165	324	Sn		651	53.50	-1.63							
OBKA		180	286	Pn		651	36.70	-0.01							
OBKA		180	286	Sn		652	03.00	4.45							

SOP	182	354	E	Pn	651	37.10	0.17
SOP	182	354	E	Sn	651	59.60	0.65
CSKK	183	38	E	Pn	651	37.10	-0.02
CSKK	183	38	E	Sn	652	00.10	0.82
PKSG	192	39	E	Pn	651	38.20	0.00
PKSG	192	39	E	Sn	652	03.30	2.10
PKS2	192	75	E	Pn	D 651	40.40	2.19
PKS2	192	75	E	Sn	652	03.10	1.88
JAVS	212	265	I	Pn	651	41.30	0.61
PKS7	212	59	E	Sn	652	05.70	0.07
CONA	220	341		Pn	651	40.80	-0.89
PKS6	221	74	E	Pn	651	49.20	7.36
PKS6	221	74	E	Sn	652	10.90	3.22
BUD	233	47	E	Pn	651	44.80	1.55
BUD	233	47	E	Sn	652	13.20	3.00
MOA	277	316		Pn	651	49.90	1.09
MOA	277	316		Sn	652	21.00	0.91
KBA	288	293		Pn	651	50.50	0.36
PSZ	314	49	E	Pn	651	50.00	-3.36
PSZ	314	49	E	Sn	652	25.00	-3.18
VRAC	362	358	I	Pn	651	54.80	-4.59
BZS	377	97	I	Pn	651	58.80	-2.48
MDVR	409	110	I	Pn	652	03.00	-2.30
KHC	419	325	E	Pn	652	07.50	1.02
KHC	419	325	E	Sn	652	50.50	-1.05
GZR	471	99	I	Pn	652	10.70	-2.26
NKC	566	325	E	Pn	652	24.70	-0.14
NKC	566	325	E	Sn	653	22.50	-1.72

April 12 2011 **Hour: 11:37:19.8** **Lat: 47.565°N** **Lon: 18.459°E** **Depth: 6.2 km**
Magnitude: —ML **Rms: 0.11 s** **Gap: 331°** **Erh: 1.8 km** **Erz: 1.4 km**

Locality: Tatabánya

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VSOM		9	224	E	Pg	C	1137	21.80		0.06					
VSOM		9	224	E	Sg		1137	23.20		-0.07					
PKSG		19	195	E	Pg	C	1137	23.60		0.09					
PKSG		19	195	E	Sg		1137	26.20		-0.22					
CSKK		27	214	E	Pg	C	1137	24.70		-0.02					
PKST		46	223	E	Pg		1137	28.10		-0.10					
PKST		46	223	E	Sg		1137	35.00		0.23					

April 14 2011 **Hour: 10:41:26.1** **Lat: 48.536°N** **Lon: 20.326°E** **Depth: 0.0 km**
Magnitude: 1.7ML **Rms: 0.76 s** **Gap: 107°** **Erh: 2.6 km** **Erz: 964 km**

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		13	117	E	Pg		1041	28.10		-0.36					
KECS		13	117	E	Sg		1041	29.70		-0.60					
PSZ		75	205	E	Pg	C	1041	39.80		0.17					
PSZ		75	205	E	Sg		1041	49.70		-0.49					
LANS		92	317	E	Pg		1041	44.10		1.42					
LANS		92	317	E	Sg		1041	55.10		-0.52					
CRVS		93	64	E	Pg		1041	43.40		0.70					
CRVS		93	64	E	Sg		1041	55.10		-0.54					
VYHS		110	268	E	Pg		1041	46.70		0.94					

VYHS 110 268 E Sg 1041 59.50 -1.60

April 16 2011 Hour: 11:58:53.4 Lat: 47.359°N Lon: 18.087°E Depth: 10.0 km
 Magnitude: 0.8ML Rms: 0.12 s Gap: 241° Erh: 7.9 km Erz: 5.3 km

Locality: Nagyveleg

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKST		11	200	E Pg	D	1158	56.20	0.07							
PKST		11	200	E Sg		1158	58.20	-0.09							
CSKK		13	88	E Pg	C	1158	56.40	0.08							
CSKK		13	88	E Sg		1158	58.40	-0.22							
PKSG		23	81	E Pg	C	1158	57.80	-0.09							
PKSG		23	81	E Sg		1159	01.60	0.19							

April 17 2011 Hour: 11:43:33.6 Lat: 47.387°N Lon: 18.224°E Depth: 9.4 km
 Magnitude: -0.1ML Rms: 0.08 s Gap: 222° Erh: 5.0 km Erz: 1.8 km

Locality: Mór

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		3	134	E Pg	D	1143	35.50	0.06							
CSKK		3	134	E Sg		1143	36.80	-0.05							
PKSG		12	87	E Pg	D	1143	36.50	0.07							
PKSG		12	87	E Sg		1143	38.50	-0.12							
PKST		20	225	E Pg	D	1143	37.50	-0.10							
PKST		20	225	E Sg		1143	40.80	0.10							

April 18 2011 Hour: 11:26:59.8 Lat: 47.563°N Lon: 18.459°E Depth: 0.0 km
 Magnitude: 0.7ML Rms: 0.18 s Gap: 332° Erh: 3.3 km Erz: 314 km

Locality: Tatabánya

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		19	195	E Pg	C	1127	03.30	-0.01							
PKSG		19	195	E Sg		1127	06.20	0.15							
CSKK		26	214	E Pg	C	1127	04.40	-0.17							
CSKK		26	214	E Sg		1127	07.90	-0.40							
PKST		46	223	E Pg	C	1127	08.30	0.20							
PKST		46	223	E Sg		1127	14.70	0.11							

April 20 2011 Hour: 09:54:56.8 Lat: 47.455°N Lon: 18.076°E Depth: 10.0 km
 Magnitude: 0.3ML Rms: 0.21 s Gap: 278° Erh: 1.4 km Erz: 2.2 km

Locality: Bakonysárkány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		17	126	E Pg		955	00.60	0.24							
CSKK		17	126	E Sg		955	03.40	0.26							
PKST		22	188	E Pg	C	955	01.10	-0.01							
PKST		22	188	E Sg		955	04.20	-0.27							
PKSG		24	106	E Pg	C	955	01.50	-0.06							
PKSG		24	106	E Sg		955	04.90	-0.38							

April 22 2011 Hour: 17:07:35.6 Lat: 48.057°N Lon: 19.670°E Depth: 0.0 km
 Magnitude: 0.6ML Rms: 0.28 s Gap: 176° Erh: — km Erz: — km

Locality: Sóshartyán

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		22	133	E Pg	C	1707	40.00	0.30							
PSZ		22	133	E Sg		1707	42.30	-0.57							
KECS		76	52	E Pg		1707	49.40	0.03							
VYHS		78	308	E Pg		1707	49.60	-0.10							

April 23 2011 Hour: 04:36:21.9 Lat: 47.480°N Lon: 18.352°E Depth: 10.0 km
 Magnitude: 2.2ML Rms: 0.69 s Gap: 50° Erh: 2.1 km Erz: 1.6 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		10	163	E Pg	D	436	24.20	-0.29							
PKSG		10	163	E Sg		436	25.70	-0.79							
CSKK		14	208	E Pg	D	436	24.90	-0.21							
CSKK		14	208	E Sg		436	27.20	-0.39							
PKST		34	224	E Pg		436	27.80	-0.52							
PKST		34	224	E Sg		436	33.00	-0.31							
BUD		50	90	E Pg		436	31.30	0.14							
BUD		50	90	E Sg		436	37.80	-0.55							
PKS9		99	183	E Pg	D	436	40.90	1.11							
PKS9		99	183	E Sg		436	53.90	0.19							
VYHS		118	18	E Pn		436	42.90	0.45							
VYHS		118	18	E Sn		436	57.10	-1.35							
PSZ		125	67	E Pn		436	43.90	0.55							
PSZ		125	67	E Sn		437	00.10	0.04							
SMOL		134	329	E Pn		436	45.10	0.71							
SMOL		134	329	E Sn		437	00.90	-1.01							
PKS6		134	137	E Sn		437	02.40	0.38							
SOP		136	279	E Pn		436	45.40	0.66							
SOP		136	279	E Sn		437	01.10	-1.43							
PKSM		142	171	E Pn		436	45.70	0.21							
PKSM		142	171	E Sn		437	01.40	-2.46							
BEHE		164	227	E Pn		436	52.70	4.52							
ARSA		215	263	E Pn		436	55.70	1.18							

April 24 2011 Hour: 17:03:23.1 Lat: 47.486°N Lon: 18.324°E Depth: 8.6 km
 Magnitude: 1.7ML Rms: 0.52 s Gap: 158° Erh: 2.0 km Erz: 1.4 km
 Locality: Oroszlány Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PKSG		11	154	E Pg	D	1703	25.50	-0.14							
PKSG		11	154	E Sg		1703	27.00	-0.66							
CSKK		14	199	E Pg	D	1703	26.20	0.13							
CSKK		14	199	E Sg		1703	28.30	-0.11							
PKST		33	221	E Pg	D	1703	29.10	-0.12							
PKST		33	221	E Sg		1703	34.00	-0.02							
BUD		52	90	E Pg		1703	33.00	0.39							
BUD		52	90	E Sg		1703	39.10	-0.96							
PKS9		100	182	E Pg	C	1703	42.20	1.22							
PKS9		100	182	E Sg		1703	55.00	0.03							
VYHS		118	19	E Pn		1703	44.20	0.44							
VYHS		118	19	E Sn		1703	58.50	-1.40							
PSZ		127	68	E Pn		1703	44.90	0.03							
PSZ		127	68	E Sn		1704	02.10	0.22							
PKS6		136	136	E Sn		1704	04.10	0.21							
PKSM		143	170	E Pn		1703	46.90	-0.01							
PKSM		143	170	E Sn		1704	02.80	-2.72							
KECS		195	56	E Pn		1703	56.00	2.59							

April 25 2011 Hour: 05:55:00.3 Lat: 47.468°N Lon: 18.354°E Depth: 6.3 km
 Magnitude: 0.6ML Rms: 0.08 s Gap: 295° Erh: 4.1 km Erz: 5.0 km
 Locality: Oroszlány Comments:

VYHS 168 254 E Sn 1507 36.90 -1.10

May 20 2011 Hour: 09:08:08.8 Lat: 47.531°N Lon: 19.913°E Depth: 10.0 km

Magnitude: 2.3ML Rms: 0.81 s Gap: 150° Erh: 3.6 km Erz: 2.2 km

Locality: Jászjákóhalma

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		43	358	E Pg	C	908	16.60	-0.10							
PSZ		43	358	E Sg		908	22.80	-0.05							
BUD		67	265	E Pg		908	20.40	-0.54							
BUD		67	265	E Sg		908	29.80	-0.60							
KECS		114	22	E Pn		908	28.30	-0.49							
KECS		114	22	E Sn		908	42.90	-1.48							
CSKK		126	261	E Pn		908	31.00	0.73							
CSKK		126	261	E Sn		908	46.30	-0.72							
VYHS		133	323	E Pn		908	31.30	0.05							
VYHS		133	323	E Sn		908	49.50	0.74							
LANS		183	350	E Pn		908	39.90	2.52							
LANS		183	350	E Sn		909	00.90	1.22							
CRVS		191	37	E Pn		908	38.40	0.03							
NIE		212	8	E Pn		908	42.40	1.41							
DRGR		227	111	E Pn		908	42.00	-0.92							
STHS		231	25	E Pn		908	46.60	3.17							
STHS		231	25	E Sn		909	13.80	3.35							

May 20 2011 Hour: 13:22:34.5 Lat: 48.346°N Lon: 19.822°E Depth: 0.0 km

Magnitude: 2.0ML Rms: 1.09 s Gap: 109° Erh: 3.5 km Erz: 5.0 km

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		47	174	E Pg	C	1322	43.20	0.15							
PSZ		47	174	E Sg		1322	49.70	-0.01							
KECS		51	73	E Pg		1322	43.40	-0.29							
KECS		51	73	E Sg		1322	49.40	-1.46							
VYHS		74	283	E Pg		1322	48.20	0.33							
VYHS		74	283	E Sg		1322	57.60	-0.69							
LANS		93	344	E Pg		1322	51.30	0.15							
LANS		93	344	E Sg		1323	03.10	-1.03							
CRVS		135	63	E Pn		1322	57.80	-0.67							
CRVS		135	63	E Sn		1323	14.30	-2.86							
STHS		158	41	E Pn		1323	04.90	3.62							
STHS		158	41	E Sn		1323	23.10	0.94							
KOLS		192	70	E Sn		1323	31.60	1.94							

May 20 2011 Hour: 14:35:03.3 Lat: 47.502°N Lon: 18.332°E Depth: 10.0 km

Magnitude: 1.8ML Rms: 0.65 s Gap: 130° Erh: 6.3 km Erz: 5.5 km

Locality: Kecskéd

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		16	199	E Pg	D	1435	06.50	-0.25							
CSKK		16	199	E Sg		1435	08.80	-0.62							
BUD		52	92	E Pg		1435	13.50	0.69							
BUD		52	92	E Sg		1435	19.20	-1.01							
VYHS		116	19	E Pn		1435	24.30	0.69							
VYHS		116	19	E Sn		1435	37.80	-1.63							
PSZ		126	68	E Pn		1435	25.00	0.20							
PSZ		126	68	E Sn		1435	41.40	-0.15							

SMOL 131 329 E Sn 1435 42.90 0.23

June 03 2011 Hour: 07:48:31.1 Lat: 48.357°N Lon: 19.840°E Depth: 0.0 km

Magnitude: 1.5ML Rms: 0.80 s Gap: 106° Erh: 4.4 km Erz: 7.1 km

Locality: Slovakia

Comments: explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		48	175	E Pg	C	748	40.50	0.64							
KECS		49	74	E Pg		748	39.30	-0.71							
KECS		49	74	E Sg		748	45.70	-1.25							
VYHS		75	282	E Sg		748	54.00	-1.23							
LANS		92	343	E Pg		748	48.50	0.88							
LANS		92	343	E Sg		749	01.00	0.51							
CRVS		134	63	E Sn		749	13.30	-0.08							

June 06 2011 Hour: 21:55:08.7 Lat: 48.128°N Lon: 20.359°E Depth: 10.0 km

Magnitude: 1.4ML Rms: 0.62 s Gap: 178° Erh: 4.2 km Erz: 2.4 km

Locality: Bükkmogyorósd

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		40	13	E Pg		2155	15.90	-0.23							
KECS		40	13	E Sg		2155	22.10	0.14							
PSZ		41	236	E Pg		2155	16.20	-0.13							
PSZ		41	236	E Sg		2155	22.40	0.09							
CRVS		118	43	E Pn		2155	28.10	-1.10							
CRVS		118	43	E Sn		2155	42.10	-3.11							
VYHS		120	290	E Sn		2155	45.50	-0.06							
LANS		131	330	E Pn		2155	32.20	1.40							
KOLS		167	58	E Sn		2155	56.80	0.75							

June 09 2011 Hour: 08:53:29.3 Lat: 48.043°N Lon: 19.574°E Depth: 0.0 km

Magnitude: 1.3ML Rms: 0.06 s Gap: 192° Erh: 0.7 km Erz: 116 km

Locality: Nagylóc

Comments: explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		27	120	E Pg	C	853	34.20	0.01							
VYHS		74	312	E Pg		853	42.50	-0.01							
VYHS		74	312	E Sg		853	52.90	0.05							
KECS		83	54	E Pg		853	44.20	0.04							
KECS		83	54	E Sg		853	55.60	-0.19							

June 13 2011 Hour: 08:37:59.3 Lat: 48.252°N Lon: 18.898°E Depth: 0.0 km

Magnitude: 1.3ML Rms: 0.65 s Gap: 234° Erh: — km Erz: — km

Locality: Slovakia

Comments: explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VYHS		27	350	E Pg		838	03.60	-0.60							
VYHS		27	350	E Sg		838	08.00	-0.01							
PSZ		83	117	E Pg		838	14.80	0.67							
LANS		108	23	E Sg		838	34.60	0.83							
KECS		120	78	E Pg		838	21.10	0.28							
KECS		120	78	E Sg		838	36.40	-1.19							

June 16 2011 Hour: 08:32:26.1 Lat: 48.377°N Lon: 19.824°E Depth: 0.0 km

Magnitude: 2.0ML Rms: 0.89 s Gap: 106° Erh: 3.4 km Erz: 5.0 km

Locality: Slovakia

Comments: explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		50	76	E Pg		832	35.20	0.08							
KECS		50	76	E Sg		832	42.30	0.16							

PSZ	51	174	E Pg	C	832	35.30	0.01
PSZ	51	174	E Sg		832	41.80	-0.64
VYHS	74	280	E Pg		832	40.40	1.01
VYHS	74	280	E Sg		832	49.50	-0.23
LANS	89	343	E Sg		832	53.70	-1.00
CRVS	134	64	E Sn		833	06.60	-1.80
STHS	155	42	E Sn		833	14.20	1.02
KOLS	190	71	E Sn		833	23.80	2.81

June 18 2011 **Hour: 02:12:21.5** **Lat: 45.798°N** **Lon: 21.456°E** **Depth: 10.0 km**
Magnitude: 2.3ML **Rms: 0.64 s** **Gap: 66°** **Erh: 3.3 km** **Erz: 2.7 km**

Locality: Romania

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TIM		19	250	I Pg	D	212	25.80	0.39							
BZS		23	148	I Pg		212	25.80	-0.29							
BANR		52	208	I Pg		212	31.20	0.16							
SIRR		54	17	I Pg		212	31.20	-0.18							
DEV		112	85	I Pn	D	212	40.80	-0.51							
MDVR		114	170	I Pn		212	40.70	-0.86							
DRGR		146	41	I Pn		212	45.60	0.05							
LOT		184	102	I Pn	D	212	52.30	2.04							
CJR		194	58	I Pn		212	52.00	0.57							
ARR		252	101	I Pn		213	01.40	2.66							
PSZ		264	333	E Pn	C	212	59.80	-0.38							
PSZ		264	333	E Sn		213	27.80	-2.55							
BUD		264	315	E Pn	C	213	00.00	-0.19							
BUD		264	315	E Sn		213	30.60	0.23							
TRPA		272	18	E Pn		213	01.10	-0.07							
VOIR		283	98	I Pn	D	213	04.60	2.05							
KECS		307	346	E Pn		213	06.10	0.52							
CRVS		345	0	E Pn		213	10.80	0.52							
BURB		351	55	I Pn	D	213	12.10	1.04							
KOLS		354	10	E Pn		213	24.80	13.42							
KOLS		354	10	E Sn		214	02.10	11.80							
VYHS		359	326	E Pn		213	12.00	-0.09							
STHS		402	358	E Pn		213	18.20	0.75							

June 18 2011 **Hour: 03:47:34.0** **Lat: 47.573°N** **Lon: 19.983°E** **Depth: 12.2 km**
Magnitude: 1.4ML **Rms: 0.42 s** **Gap: 300°** **Erh: 6.8 km** **Erz: 2.7 km**

Locality: Jászdózsza

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		39	350	E Pg	C	347	41.10	-0.23							
PSZ		39	350	E Sg		347	47.40	0.38							
KECS		108	20	E Pn		347	53.50	0.54							
KECS		108	20	E Sn		348	07.20	-0.52							
VYHS		133	320	E Pn		347	55.70	-0.43							
VYHS		133	320	E Sn		348	13.80	0.42							

July 06 2011 **Hour: 08:17:19.9** **Lat: 48.622°N** **Lon: 20.747°E** **Depth: 4.8 km**
Magnitude: 1.6ML **Rms: 0.17 s** **Gap: 160°** **Erh: 1.3 km** **Erz: 1.3 km**

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		24	231	E Pg		817	24.20	-0.21							
KECS		24	231	E Sg		817	28.10	0.18							

July 11 2011 Hour: 06:05:59.4 Lat: 47.536°N Lon: 18.342°E Depth: 0.3 km
 Magnitude: 3.5ML Rms: 0.91 s Gap: 79° Erh: 2.1 km Erz: 2.6 km
 Locality: Környe Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		20	198	E Pg	D	606	02.70	-0.28							
CSKK		20	198	E Sg		606	04.80	-0.99							
BUD		51	97	E Pg	C	606	08.80	0.20							
BUD		51	97	E Sg		606	15.30	-0.50							
VYHS		112	19	E Pg		606	20.60	1.12							
VYHS		112	19	E Sg		606	34.10	-1.08							
PSZ		124	70	E Pg	D	606	20.90	-0.60							
SMOL		128	328	E Pg		606	22.50	0.23							
SMOL		128	328	E Sg		606	38.40	-1.73							
BEHE		168	225	E Pn	D	606	26.80	-0.52							
BEHE		168	225	E Sn		606	54.80	5.68							
CONA		191	283	Pn		606	29.80	-0.38							
CONA		191	283	Sn		606	53.20	-1.01							
KECS		191	57	E Pn		606	30.50	0.26							
LANS		197	25	E Pn		606	32.10	1.06							
LANS		197	25	E Sn		606	57.20	1.45							
KOGS		199	233	I Pn		606	33.40	2.12							
KOGS		199	233	I Sn		606	58.40	2.22							
ARSA		215	262	Pn		606	33.40	0.21							
ARSA		215	262	Sn		606	59.50	-0.08							
VRAC		235	327	I Pn		606	35.80	0.05							
MORC		256	347	I Pn	D	606	39.90	1.62							
OKC		256	357	E Pn		606	39.20	0.88							
OKC		256	357	E Sn		607	06.50	-2.20							
SOKA		268	249	Pn		606	39.50	-0.37							
SOKA		268	249	Sn		607	09.20	-2.26							
CRVS		277	57	E Pn		606	41.50	0.59							
CRVS		277	57	E Sn		607	22.10	8.78							
SIRR		289	119	I Pn		606	40.90	-1.56							
STHS		299	46	E Pn		606	45.20	1.49							
MOA		308	276	Pn		606	45.60	0.84							
MOA		308	276	Sn		607	18.90	-1.27							
OBKA		310	248	Pn		606	45.10	0.06							
OBKA		310	248	Sn		607	17.90	-2.76							
TRPA		321	78	E Pn		606	45.30	-1.10							
TRPA		321	78	E Sn		607	31.90	8.81							
BZS		329	130	I Pn	D	606	46.10	-1.34							
KOLS		330	62	E Pn		606	48.20	0.60							
DRGR		341	104	I Pn		606	47.70	-1.24							
DPC		346	335	E Pn		606	50.50	0.98							
DPC		346	335	E Sn		607	26.80	-1.84							
MYKA		370	254	Pn		606	53.10	0.49							
MYKA		370	254	Sn		607	33.60	-0.54							
UPC		371	333	E Pn		606	53.80	1.09							
UPC		371	333	E Sn		607	32.80	-1.53							
GOPC		371	315	E Pn		606	52.70	-0.03							
GOPC		371	315	E Sn		607	32.50	-1.86							
KBA		381	262	Pn		606	54.60	0.69							
KBA		381	262	Sn		607	34.60	-1.85							
BMR		387	88	I Pn		607	03.70	8.97							

CSKK	197	3	E Sn	245	46.90	-1.48
BUD	221	18	E Pn	245	28.30	1.60
BUD	221	18	E Sn	245	55.80	2.13
SOKA	268	297	Pn	245	31.70	-0.94
SOKA	268	297	Sn	246	04.30	0.06
BZS	271	89	I Pn	245	32.40	-0.56
ARSA	272	313	Pn	245	32.90	-0.26
ARSA	272	313	Sn	246	04.40	-0.77
SIRR	283	75	I Pn D	245	35.90	1.45
PSZ	291	27	E Pn D	245	33.90	-1.57
PSZ	291	27	E Sn	246	04.60	-4.69
PSZ	291	27	I Pn	245	32.80	-2.67
MDVR	294	108	I Pn D	245	39.30	3.40
OBKA	296	290	Pn	245	35.90	-0.14
OBKA	296	290	Sn	246	15.10	4.81
CONA	312	326	Pn	245	37.70	-0.42
CONA	312	326	Sn	246	11.50	-2.50
PDG	362	166	I Pn D	245	44.80	0.49
DRGR	377	69	I Pn D	245	45.60	-0.59
MOA	388	310	Pn	245	48.00	0.46
MOA	388	310	Sn	246	30.30	-0.46
MORC	467	355	I Pn	245	50.40	-7.03
KRLC	508	348	E Pn	246	02.90	0.32
KRLC	508	348	E Sn	246	53.10	-4.44
KHC	523	319	E Pn	246	05.00	0.65
KHC	523	319	E Sn	246	56.80	-3.90

July 26 2011 **Hour: 05:52:26.5** **Lat: 47.915°N** **Lon: 19.887°E** **Depth: 5.4 km**
Magnitude: 0.8ML **Rms: 0.62 s** **Gap: 254°** **Erh: 8.9 km** **Erz: 6.6 km**

Locality: Mátraszentimre

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		0	55	E Pg	D	552	26.90	-0.57							
PSZ		0	55	E Sg		552	28.90	0.67							
KECS		77	35	E Pg		552	41.20	0.88							
KECS		77	35	E Sg		552	50.40	-0.71							
VYHS		101	309	E Pg		552	44.90	0.30							
VYHS		101	309	E Sg		552	58.20	-0.52							

July 26 2011 **Hour: 20:43:34.0** **Lat: 47.556°N** **Lon: 22.317°E** **Depth: 0.7 km**
Magnitude: 2.3ML **Rms: 0.69 s** **Gap: 83°** **Erh: 3.4 km** **Erz: 3.6 km**

Locality: Romania

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
TRPA		65	15	E Pg	D	2043	46.20	0.37							
TRPA		65	15	E Sg		2043	53.70	-1.31							
DRGR		90	161	I Pg		2043	49.80	-0.35							
CJR		135	134	I Pn		2043	57.20	-0.64							
SIRR		151	199	I Pn		2043	59.70	-0.23							
ARCR		162	109	I Pn		2044	02.00	0.72							
KECS		171	307	E Pn		2044	03.30	0.97							
KECS		171	307	E Sn		2044	24.10	-0.29							
PSZ		186	282	E Pn		2044	03.50	-0.70							
DEV		191	166	I Pn		2044	06.40	1.55							
BURB		218	88	I Pn		2044	07.80	-0.41							
STHS		221	339	E Pn		2044	08.10	-0.52							

CHAPTER 1. LOCAL EARTHQUAKES

STHS	221	339	E Sn	2044	41.20	5.61
BZS	222	194	I Pn	2044	08.40	-0.31
LANS	275	310	E Pn	2044	15.60	0.23
LANS	275	310	E Sn	2044	53.00	5.40
VYHS	279	292	E Pn	2044	10.50	-5.38
VYHS	279	292	E Sn	2044	55.20	6.69
DOPR	293	127	I Pn	2044	17.30	-0.32
MDVR	312	189	I Pn	2044	19.30	-0.60
VOIR	315	138	I Pn D	2044	20.20	-0.13
MORC	429	305	I Pn	2044	34.10	-0.48
KRLC	493	305	E Pn	2044	42.30	-0.26
KRLC	493	305	E Sn	2045	32.60	-3.39
DPC	537	305	E Pn	2044	48.30	0.24
DPC	537	305	E Sn	2045	43.50	-2.29

July 27 2011 **Hour: 05:42:36.9** **Lat: 48.199°N** **Lon: 21.190°E** **Depth: 0.4 km**

Magnitude: 2.0ML **Rms: 0.76 s** **Gap: 158°** **Erh: 4.2 km** **Erz: 4.2 km**

Locality: Ond

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		61	301	E Pg		542	48.10	0.28							
KECS		61	301	E Sg		542	55.40	-0.92							
TRPA		100	94	E Pg	D	542	55.20	0.29							
TRPA		100	94	E Sg		543	07.50	-1.44							
PSZ		101	252	E Pg	C	542	54.80	-0.25							
PSZ		101	252	E Sg		543	08.90	-0.28							
STHS		135	2	E Pn		543	01.70	0.90							
STHS		135	2	E Sn		543	18.30	-1.12							
LANS		165	310	E Pn		543	05.50	1.00							
LANS		165	310	E Sn		543	24.80	-1.21							
VYHS		177	281	E Pn		543	07.40	1.36							
VYHS		177	281	E Sn		543	27.70	-1.05							

July 27 2011 **Hour: 11:23:26.2** **Lat: 47.439°N** **Lon: 18.405°E** **Depth: 6.0 km**

Magnitude: 2.3ML **Rms: 1.05 s** **Gap: 145°** **Erh: 6.5 km** **Erz: 4.5 km**

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		13	232	E Pg	D	1123	28.50	-0.37							
CSKK		13	232	E Sg		1123	30.60	-0.37							
BUD		46	84	E Pg	D	1123	34.80	0.18							
BUD		46	84	E Sg		1123	41.10	-0.10							
VYHS		121	15	E Pn		1123	46.50	-1.11							
VYHS		121	15	E Sn		1124	00.10	-4.23							
PSZ		123	65	E Pn	C	1123	47.20	-0.70							
PSZ		123	65	E Sn		1124	03.40	-1.43							
SMOL		140	329	E Pn		1123	50.10	0.20							
SMOL		140	329	E Sn		1124	06.30	-2.11							
SOP		141	281	E Sn		1124	09.20	0.42							
BEHE		164	229	E Pn		1123	54.70	1.76							
KECS		193	53	E Pn		1123	58.30	1.67							
KECS		193	53	E Sn		1124	22.70	2.31							
LANS		206	23	E Pn		1124	00.40	2.27							
LANS		206	23	E Sn		1124	24.80	1.74							
STHS		304	44	E Pn		1124	11.90	1.53							
DPC		357	335	E Pn		1124	16.70	-0.38							

KHC 404 298 E Pn 1124 22.10 -0.81
 KHC 404 298 E Sn 1125 03.10 -4.05

July 27 2011 Hour: 12:49:09.1 Lat: 47.443°N Lon: 18.381°E Depth: 10.0 km
 Magnitude: 2.1ML Rms: 0.91 s Gap: 141° Erh: 8.3 km Erz: 5.7 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		12	226	E Pg	D	1249	11.80	-0.13							
CSKK		12	226	E Sg		1249	14.10	-0.08							
BUD		48	85	E Pg		1249	18.20	0.27							
BUD		48	85	E Sg		1249	24.40	-0.45							
VYHS		121	16	E Pn		1249	29.80	-0.19							
VYHS		121	16	E Sn		1249	43.50	-2.82							
PSZ		125	65	E Pn	D	1249	30.70	0.26							
PSZ		125	65	E Sn		1249	46.70	-0.42							
SMOL		138	329	E Pn		1249	32.70	0.60							
SMOL		138	329	E Sn		1249	48.10	-1.98							
KECS		195	54	E Pn		1249	41.80	2.66							
KECS		195	54	E Sn		1250	07.10	4.48							
LANS		206	23	E Pn		1249	43.90	3.37							
LANS		206	23	E Sn		1250	09.20	4.11							

July 29 2011 Hour: 13:37:27.9 Lat: 47.435°N Lon: 18.387°E Depth: 10.0 km
 Magnitude: 1.7ML Rms: 0.22 s Gap: 147° Erh: 5.0 km Erz: 2.6 km

Locality: Várgesztes

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		12	230	E Pg	D	1337	30.80	0.01							
CSKK		12	230	E Sg		1337	32.90	-0.11							
BUD		48	83	E Pg		1337	37.10	0.33							
BUD		48	83	E Sg		1337	43.40	-0.25							
VYHS		122	16	E Pn		1337	48.80	-0.18							
VYHS		122	16	E Sn		1338	02.30	-3.09							
PSZ		125	65	E Pn	D	1337	49.50	0.16							
PSZ		125	65	E Sn		1338	05.60	-0.42							

August 01 2011 Hour: 22:08:45.5 Lat: 47.218°N Lon: 17.664°E Depth: 4.2 km
 Magnitude: 1.8ML Rms: 0.62 s Gap: 145° Erh: 2.7 km Erz: 3.6 km

Locality: Némethánya

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		47	70	E Pg	D	2208	54.20	0.12							
CSKK		47	70	E Sg		2209	01.00	0.23							
SOP		98	302	E Pg		2209	01.90	-1.13							
SOP		98	302	E Sg		2209	17.70	0.99							
BUD		106	74	E Sg		2209	18.90	-0.59							
BEHE		107	219	E Pg	D	2209	05.10	0.44							
BEHE		107	219	E Sg		2209	19.30	-0.31							
VYHS		166	32	E Pn		2209	13.40	0.62							
VYHS		166	32	E Sn		2209	33.20	-0.87							
PSZ		185	65	E Pn		2209	15.20	0.14							
PSZ		185	65	E Sn		2209	40.50	2.38							

August 03 2011 Hour: 07:58:45.2 Lat: 48.384°N Lon: 19.827°E Depth: 0.0 km
 Magnitude: 1.9ML Rms: 0.63 s Gap: 105° Erh: 2.0 km Erz: 3.3 km

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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CHAPTER 1. LOCAL EARTHQUAKES

KECS	50	77	E Pg	758	54.10	-0.05
KECS	50	77	E Sg	759	01.50	0.39
PSZ	52	174	E Pg D	758	54.60	0.09
PSZ	52	174	E Sg	759	01.50	-0.26
VYHS	74	279	E Pg	758	58.90	0.41
VYHS	74	279	E Sg	759	08.40	-0.45
LANS	89	343	E Sg	759	13.80	0.21
CRVS	133	64	E Pn	759	10.60	1.69
CRVS	133	64	E Sn	759	25.70	-1.68
STHS	154	42	E Sn	759	31.50	-0.61

August 04 2011 Hour: 00:54:51.0 Lat: 47.582°N Lon: 22.311°E Depth: 0.7 km
 Magnitude: 2.0ML Rms: 0.34 s Gap: 121° Erh: 2.1 km Erz: 2.5 km

Locality: Romania

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BMR		89	84	I Pg		055	06.90	-0.15							
DRGR		92	161	I Pg		055	07.30	-0.33							
CJR		137	135	I Pn D		055	15.30	0.20							
CRVS		159	337	E Pn		055	18.10	0.20							
CRVS		159	337	E Sn		055	38.10	-0.76							
KECS		169	306	E Pn		055	19.00	-0.06							
KECS		169	306	E Sn		055	42.00	1.09							
PSZ		185	282	I Pn D		055	21.10	0.05							
BURB		218	89	I Pn D		055	25.70	0.47							
STHS		218	339	E Sn		055	57.40	5.45							
VYHS		278	291	E Sn		056	12.00	6.84							

August 04 2011 Hour: 08:52:52.3 Lat: 48.570°N Lon: 20.415°E Depth: 0.0 km
 Magnitude: 1.4ML Rms: 0.83 s Gap: 87° Erh: — 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		11	152	E Pg		852	54.10	-0.16							
KECS		11	152	E Sg		852	55.70	-0.09							
PSZ		82	208	E Pg C		853	07.40	0.44							
PSZ		82	208	E Sg		853	17.90	-0.50							
CRVS		85	64	E Pg		853	07.50	-0.04							
CRVS		85	64	E Sg		853	17.80	-1.63							
LANS		94	313	E Pg		853	09.20	-0.04							
LANS		94	313	E Sg		853	20.00	-2.45							
STHS		112	33	E Pg		853	13.90	1.60							
VYHS		116	266	E Pg		853	13.10	-0.07							
VYHS		116	266	E Sg		853	26.40	-3.06							

August 05 2011 Hour: 03:02:49.4 Lat: 46.168°N Lon: 16.476°E Depth: 12.7 km
 Magnitude: 2.3ML Rms: 0.62 s Gap: 168° Erh: 2.0 km Erz: 1.2 km

Locality: Croatia

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KOGS		35	331	I Pg		302	56.40	0.22							
KOGS		35	331	I Sg		303	01.70	0.25							
BEHE		40	34	E Pg D		302	56.50	-0.53							
BEHE		40	34	E Sg		303	02.70	-0.27							
GCIS		73	243	I Pg		303	02.60	-0.18							
GCIS		73	243	I Sg		303	13.50	0.29							
PKDS		114	265	I Pn		303	09.10	-0.03							

PKDS	114	265	I	Sn	303	23.80	-0.71
BOJS	120	232	I	Pn	303	09.70	-0.14
SOKA	124	297		Pn	303	10.20	-0.16
SOKA	124	297		Sn	303	26.30	-0.40
ARSA	140	329		Pn	303	12.40	0.03
ARSA	140	329		Sn	303	29.20	-1.07
OBKA	153	284		Pn	303	14.30	0.38
OBKA	153	284		Sn	303	34.10	1.06
SOP	168	2	E	Pn	303	14.60	-1.24
SOP	168	2	E	Sn	303	36.40	-0.06
CSKK	190	46	E	Pn	303	20.10	1.54
CSKK	190	46	E	Sn	303	46.10	4.81
CONA	201	347		Pn	303	20.50	0.59
CONA	201	347		Sn	303	49.40	5.70
MYKA	224	283		Sn	303	55.80	7.05
PKS7	227	65	E	Sn	303	51.00	1.42
MOA	251	318		Pn	303	27.50	1.33
MOA	251	318		Sn	303	56.30	1.46
SMOL	270	15	E	Pn	303	27.30	-1.26
ABTA	311	282		Sn	304	09.60	1.47
VYHS	314	35	E	Pn	303	32.70	-1.30
VYHS	314	35	E	Sn	304	03.60	-5.17
PSZ	324	53	E	Pn	303	41.00	5.70
KHC	394	327	E	Pn	303	45.60	1.54
KHC	394	327	E	Sn	304	26.10	-0.59

August 15 2011 Hour: 14:22:46.0 Lat: 47.738°N Lon: 16.133°E Depth: 7.7 km
 Magnitude: 2.2ML Rms: 1.43 s Gap: 111° Erh: 3.0 km Erz: 2.6 km

Locality: Austria

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CONA		29	316	Pg		1422	51.10	-0.28							
CONA		29	316	Sg		1422	56.10	0.50							
SOP		32	101	E Pg	C	1422	52.70	0.77							
SOP		32	101	E Sg		1422	56.10	-0.48							
ARSA		71	220	Pg		1422	57.90	-0.83							
ARSA		71	220	Sg		1423	06.80	-1.89							
SMOL		129	48	E Pn		1423	06.90	-1.25							
SMOL		129	48	E Sn		1423	20.80	-4.65							
MOA		140	275	Pn		1423	09.50	-0.02							
MOA		140	275	Sn		1423	27.10	-0.80							
SOKA		144	215	Pn		1423	09.90	-0.11							
SOKA		144	215	Sn		1423	26.10	-2.67							
CSKK		165	105	E Pn		1423	12.90	0.25							
CSKK		165	105	E Sn		1423	33.60	0.14							
TREC		179	345	E Pn		1423	13.90	-0.50							
TREC		179	345	E Sn		1423	34.50	-2.09							
OBKA		182	221	Pn		1423	16.60	1.90							
OBKA		182	221	Sn		1423	39.40	2.28							
VYHS		218	67	E Pn		1423	20.80	1.59							
VYHS		218	67	E Sn		1423	47.00	1.86							
KBA		222	251	Pn		1423	23.40	3.60							
KBA		222	251	Sn		1423	51.30	5.10							
KHC		244	309	E Pn		1423	24.10	1.61							
KHC		244	309	E Sn		1423	50.20	-0.78							

CHAPTER 1. LOCAL EARTHQUAKES

GOPC	261	338	E Pn	1423	25.30	0.69
GOPC	261	338	E Sn	1423	58.40	3.65
KRLC	264	10	E Pn	1423	24.00	-0.96
PRU	276	335	E Pn	1423	27.20	0.75
PRU	276	335	E Sn	1424	03.00	4.98
PRA	287	334	E Sn	1424	07.30	6.70
LANS	292	58	E Pn	1423	32.30	3.82

August 18 2011 **Hour: 08:31:16.1** **Lat: 48.352°N** **Lon: 19.832°E** **Depth: 0.0 km**
Magnitude: 1.8ML **Rms: 0.60 s** **Gap: 108°** **Erh: 2.4 km** **Erz: 3.3 km**
Locality: Slovakia **Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		48	175	E Pg		831	24.90	0.19							
KECS		50	73	E Pg		831	25.20	0.10							
KECS		50	73	E Sg		831	31.50	-0.64							
VYHS		75	282	E Pg		831	29.70	0.16							
VYHS		75	282	E Sg		831	38.90	-1.14							
LANS		92	343	E Pg		831	33.10	0.45							
LANS		92	343	E Sg		831	45.60	0.03							
CRVS		134	63	E Pn		831	39.50	-0.41							
CRVS		134	63	E Sn		831	57.20	-1.31							
STHS		157	41	E Pn		831	44.10	1.38							
STHS		157	41	E Sn		832	03.00	-0.51							

September 02 2011 **Hour: 08:44:32.3** **Lat: 48.626°N** **Lon: 20.741°E** **Depth: 0.0 km**
Magnitude: 1.5ML **Rms: 0.33 s** **Gap: 159°** **Erh: 1.7 km** **Erz: 2.9 km**
Locality: Slovakia **Comments: probably explosion**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		24	230	E Pg		844	36.80	0.09							
KECS		24	230	E Sg		844	40.30	0.16							
CRVS		61	60	E Pg		844	43.30	0.05							
CRVS		61	60	E Sg		844	51.40	-0.38							
PSZ		100	219	E Pg		844	50.50	0.21							
PSZ		100	219	E Sg		845	03.50	-0.82							
LANS		110	302	E Pg		844	52.20	0.23							
LANS		110	302	E Sg		845	06.30	-1.00							
VYHS		141	264	E Pn		844	57.00	0.03							
VYHS		141	264	E Sn		845	14.80	-1.40							

September 03 2011 **Hour: 07:30:31.8** **Lat: 46.618°N** **Lon: 18.717°E** **Depth: 6.7 km**
Magnitude: 2.7ML **Rms: 1.32 s** **Gap: 147°** **Erh: 6.4 km** **Erz: 5.6 km**
Locality: Puztahence **Comments: felt 4-5 EMS**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		99	14	E Pg	C	730	50.00	0.51							
BUD		99	14	E Sg		731	00.80	-2.51							
BEHE		149	264	E Pn		730	55.00	-1.64							
BEHE		149	264	E Sn		731	19.10	3.07							
PSZ		169	32	E Pn	D	730	58.20	-0.92							
PSZ		169	32	E Sn		731	21.10	0.65							
PSZ		169	32	E Sn		731	30.40	1.31							
SIRR		229	100	I Pn	D	731	06.30	-0.26							
KECS		246	33	E Pn		731	13.80	5.13							
KECS		246	33	E Sn		731	41.70	4.25							
BZS		250	116	I Pn		731	10.00	0.84							

ARSA	253	286	Pn	731	10.80	1.28
CONA	260	304	Pn	731	11.70	1.26
CONA	260	304	Sn	731	38.20	-2.39
LANS	287	11	E Pn	731	20.80	7.05
MDVR	310	131	I Pn	731	18.00	1.39
CRVS	326	39	E Pn	731	26.70	8.00
MORC	361	346	I Pn D	731	23.80	0.72
STHS	363	31	E Pn	731	32.70	9.39

September 07 2011 Hour: 22:38:20.7 Lat: 47.830°N Lon: 19.568°E Depth: 1.5 km
 Magnitude: 2.3ML Rms: 1.00 s Gap: 75° Erh: 2.5 km Erz: 2.8 km

Locality: Kisbágyon

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		26	68	E Pg	D	2238	25.50	0.05							
PSZ		26	68	E Sg		2238	29.00	-0.12							
BUD		56	227	E Pg	C	2238	31.10	0.33							
BUD		56	227	E Sg		2238	38.90	0.30							
VYHS		91	324	E Pg		2238	37.40	0.28							
VYHS		91	324	E Sg		2238	48.10	-1.79							
KECS		99	43	E Pg		2238	38.20	-0.34							
KECS		99	43	E Sg		2238	50.60	-1.82							
LANS		147	357	E Pn		2238	46.70	0.80							
LANS		147	357	E Sn		2239	04.00	-1.53							
SMOL		176	296	E Pn		2238	50.50	0.94							
CRVS		184	50	E Pn		2238	52.10	1.57							
CRVS		184	50	E Sn		2239	15.30	1.53							
STHS		215	35	E Pn		2238	55.30	0.87							
TRPA		224	81	E Pn		2238	57.40	1.85							
TRPA		224	81	E Sn		2239	25.10	2.40							
SIRR		235	138	I Pn	D	2238	55.10	-1.84							
BEHE		260	234	E Pn		2239	07.20	7.18							
BEHE		260	234	E Sn		2239	42.50	11.83							
MORC		262	325	I Pn		2238	59.50	-0.83							
DRGR		264	116	I Pn		2238	58.60	-1.92							
TIM		264	152	I Pn		2238	59.40	-1.19							
VRAC		274	307	I Pn		2239	02.30	0.53							
CONA		277	272	Pn		2239	02.40	0.24							
CONA		277	272	Sn		2239	34.70	0.23							
BZS		291	148	I Pn		2239	02.40	-1.55							
ARSA		311	258	Pn		2239	07.20	0.81							
ARSA		311	258	Sn		2239	40.70	-1.29							
DPC		367	320	E Pn		2239	15.10	1.75							
MDVR		377	154	I Pn	D	2239	12.80	-1.79							
MOA		396	270	Pn		2239	17.80	0.74							
MOA		396	270	Sn		2240	02.50	1.50							
LOT		416	129	I Pn		2239	16.80	-2.73							
BURB		424	93	I Pn		2239	16.10	-4.41							
VOIR		497	122	I Pn		2239	25.10	-4.44							

September 22 2011 Hour: 09:15:46.6 Lat: 48.384°N Lon: 19.833°E Depth: 0.0 km
 Magnitude: 1.8ML Rms: 0.43 s Gap: 123° Erh: 1.0 km Erz: 2.7 km

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		49	77	E Pg		915	55.50	0.01							

CHAPTER 1. LOCAL EARTHQUAKES

KECS	49	77	E	Sg	916	02.00	-0.39
PSZ	52	175	E	Pg	915	55.90	-0.04
PSZ	52	175	E	Sg	916	03.00	-0.18
VYHS	74	279	E	Pg	916	00.10	0.10
VYHS	74	279	E	Sg	916	09.90	-0.52
STHS	154	42	E	Sn	916	35.50	2.03

September 26 2011 Hour: 11:30:13.0 Lat: 48.041°N Lon: 19.639°E Depth: 0.0 km
 Magnitude: 0.9ML Rms: 0.20 s Gap: 184° Erh: 3.0 km Erz: 425 km
 Locality: Sósartyán Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		23	126	E	Pg	D	1130	17.10	-0.09						
PSZ		23	126	E	Sg		1130	20.90	0.44						
VYHS		78	310	E	Pg		1130	27.20	0.26						
VYHS		78	310	E	Sg		1130	37.60	-0.20						
KECS		79	52	E	Pg		1130	27.10	-0.15						

September 29 2011 Hour: 12:46:03.7 Lat: 47.245°N Lon: 22.774°E Depth: 0.4 km
 Magnitude: 1.8ML Rms: 0.75 s Gap: 71° Erh: 2.8 km Erz: 3.1 km
 Locality: Romania Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
DRGR		50	185	I	Pg		1246	12.70	-0.05						
BMR		72	49	I	Pg	D	1246	16.10	-0.51						
CJR		86	133	I	Pg		1246	18.20	-0.89						
TRPA		100	350	I	Pg	D	1246	21.80	0.25						
TRPA		100	350	E	Sg		1246	34.70	-0.77						
SIRR		138	218	I	Pn		1246	27.40	-0.50						
BURB		188	77	I	Pn		1246	34.80	0.58						
BZS		201	206	I	Pn		1246	35.80	-0.03						
GZR		205	180	I	Pn		1246	37.80	1.45						
CRVS		208	332	E	Pn		1246	41.70	5.01						
CRVS		208	332	E	Sn		1247	02.30	-0.12						
LOT		214	159	I	Pn		1246	38.70	1.34						
KECS		219	309	E	Pn		1246	41.10	3.03						
KECS		219	309	E	Sn		1247	06.90	2.02						
PSZ		229	289	I	Pn	D	1246	38.40	-0.86						
ARR		253	146	I	Pn	D	1246	43.00	0.75						
VOIR		266	139	I	Pn	D	1246	44.90	0.98						

October 12 2011 Hour: 08:48:43.3 Lat: 48.374°N Lon: 19.831°E Depth: 0.0 km
 Magnitude: 2.2ML Rms: 0.97 s Gap: 106° Erh: 3.6 km Erz: 5.3 km
 Locality: Slovakia Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
KECS		49	76	E	Pg		848	52.00	-0.17						
KECS		49	76	E	Sg		848	59.40	0.27						
PSZ		50	175	E	Pg		848	52.40	0.06						
PSZ		50	175	E	Sg		848	59.30	-0.12						
VYHS		74	280	E	Pg		848	56.50	-0.13						
VYHS		74	280	E	Sg		849	06.60	-0.45						
LANS		90	343	E	Pg		849	00.20	0.79						
LANS		90	343	E	Sg		849	10.50	-1.50						
CRVS		133	64	E	Sn		849	23.60	-1.86						
STHS		155	42	E	Pn		849	12.10	2.42						
STHS		155	42	E	Sn		849	31.40	1.11						

October 12 2011 Hour: 15:15:07.9 Lat: 46.664°N Lon: 21.317°E Depth: 5.0 km
 Magnitude: 2.5ML Rms: 0.69 s Gap: 133° Erh: 4.9 km Erz: 5.4 km

Locality: Gyula

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SIRR		51	149	I Pg	D	1515	16.60	-0.50							
TIM		103	184	I Pg		1515	26.50	0.14							
DRGR		107	82	I Pg	D	1515	27.70	0.60							
DEV		150	125	I Pn		1515	32.30	-0.67							
PSZ		176	322	E Pn	D	1515	35.90	-0.33							
PSZ		176	322	E Sn		1515	56.00	-2.34							
LOT		233	125	I Pn	D	1515	45.50	2.17							
VYHS		276	317	E Pn		1515	48.50	-0.19							
BURB		314	70	I Pn		1515	56.30	2.86							

October 12 2011 Hour: 20:20:54.9 Lat: 46.023°N Lon: 16.216°E Depth: 10.0 km
 Magnitude: 2.3ML Rms: 0.70 s Gap: 191° Erh: 3.0 km Erz: 1.5 km

Locality: Croatia

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GOLS		45	268	I Pg	C	2021	03.60	0.28							
GOLS		45	268	I Sg		2021	10.70	0.85							
KOGS		47	3	I Sg		2021	10.30	0.00							
GCIS		48	249	I Pg	C	2021	03.70	-0.14							
GCIS		48	249	I Sg		2021	10.80	0.01							
CESS		58	265	I Pg		2021	05.70	0.14							
DOBS		59	284	I Pg	C	2021	05.80	0.09							
CRES		62	250	I Pg	C	2021	05.90	-0.41							
BEHE		65	41	E Pg		2021	07.10	0.28							
BEHE		65	41	E Sg		2021	16.00	-0.09							
LEGS		70	263	I Pg	C	2021	07.40	-0.19							
LEGS		70	263	I Sg		2021	17.30	-0.15							
BOJS		94	232	I Pg		2021	11.00	-0.94							
PERS		108	309	I Pn		2021	13.70	-0.54							
SOKA		116	309	Pn		2021	14.80	-0.43							
SOKA		116	309	Sn		2021	28.80	-2.26							
VNDS		117	274	I Pn	C	2021	15.10	-0.25							
VNDS		117	274	I Sn		2021	31.40	0.13							
OBKA		139	293	Pn		2021	18.90	0.82							
OBKA		139	293	Sn		2021	36.50	0.37							
MOZS		140	282	I Pn	C	2021	18.80	0.62							
ARSA		146	339	Pn		2021	19.40	0.45							
ARSA		146	339	Sn		2021	36.20	-1.47							
SOP		186	8	E Pn		2021	24.20	0.27							
MYKA		209	289	Pn		2021	30.70	3.89							
MYKA		209	289	Sn		2021	54.80	3.14							
CONA		213	353	Pn		2021	28.60	1.28							
CONA		213	353	Sn		2022	00.50	7.92							
MOA		251	324	Pn		2021	33.90	1.84							
MOA		251	324	Sn		2022	01.00	-0.01							
KHC		398	330	E Pn		2021	52.00	1.62							
KHC		398	330	E Sn		2022	32.30	-1.32							

CHAPTER 1. LOCAL EARTHQUAKES

October 17 2011 Hour: 13:52:38.4 Lat: 45.811°N Lon: 17.341°E Depth: 10.0 km
 Magnitude: 2.5ML Rms: 0.48 s Gap: 241° Erh: 3.4 km Erz: 2.2 km
 Locality: Croatia Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		85	329	E Pg		1352	54.10	0.37							
BEHE		85	329	E Sg		1353	05.60	-0.10							
KOGS		110	310	I Pn		1352	58.30	0.43							
KOGS		110	310	E Sn		1353	13.00	-0.07							
GCIS		133	273	I Pn		1353	00.60	-0.16							
GOLS		135	279	I Pn		1353	00.80	-0.18							
CRES		146	271	I Pn		1353	02.20	-0.20							
LEGS		157	276	I Pn		1353	03.40	-0.42							
CSKK		186	22	E Pn		1353	07.00	-0.38							
CSKK		186	22	E Sn		1353	28.00	-2.00							
VISS		194	270	I Pn		1353	08.20	-0.19							
SOKA		202	298	Pn		1353	11.80	2.41							
SOKA		202	298	Sn		1353	34.30	0.73							
ARSA		212	319	Pn		1353	10.40	-0.21							
ARSA		212	319	Sn		1353	35.50	-0.25							
SKDS		261	264	I Pn		1353	18.00	1.32							
CONA		261	334	Pn		1353	17.40	0.71							
CONA		261	334	Sn		1353	44.10	-2.47							
PSZ		304	40	E Sn		1354	00.20	3.96							
VYHS		319	21	E Pn		1353	28.70	4.77							
VYHS		319	21	E Sn		1353	51.50	-7.96							
KBA		337	295	Pn		1353	32.70	6.43							
MORC		441	2	I Pn	D	1353	40.20	1.04							
MORC		441	2	E Sn		1354	30.10	-1.86							

October 21 2011 Hour: 15:58:40.7 Lat: 48.529°N Lon: 17.277°E Depth: 0.9 km
 Magnitude: 2.3ML Rms: 1.63 s Gap: 59° Erh: 3.4 km Erz: 3.7 km
 Locality: Slovakia Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SMOL		11	98	E Pg		1558	42.70	0.00							
SMOL		11	98	E Sg		1558	45.40	1.11							
SOP		108	210	E Pg		1559	00.70	0.72							
SOP		108	210	E Sg		1559	14.90	-0.14							
VYHS		115	92	E Pg		1559	00.40	-0.86							
VYHS		115	92	E Sg		1559	15.60	-1.72							
CONA		124	238	Pg		1559	01.60	-1.29							
CONA		124	238	Sg		1559	17.90	-2.32							
CSKK		149	150	E Pn		1559	06.70	0.54							
CSKK		149	150	E Sn		1559	25.70	-0.35							
TREC		156	303	E Pn		1559	06.20	-0.89							
TREC		156	303	E Sn		1559	24.90	-2.80							
OKC		158	24	E Pn		1559	06.80	-0.59							
OKC		158	24	E Sn		1559	25.50	-2.73							
LANS		175	67	E Pn		1559	08.80	-0.62							
KRLC		175	348	E Pn		1559	09.50	0.00							
KRLC		175	348	E Sn		1559	31.40	-0.59							
ARSA		193	223	Pn		1559	12.00	0.30							
ARSA		193	223	Sn		1559	37.60	1.70							
PSZ		206	109	E Pn		1559	17.40	4.12							
PSZ		206	109	E Sn		1559	42.70	3.99							

DPC	214	341	E	Pn	1559	16.10	1.82
DPC	214	341	E	Sn	1559	42.30	1.80
MOA	236	251		Pn	1559	16.40	-0.65
MOA	236	251		Sn	1559	49.50	4.08
KECS	237	91	E	Pn	1559	15.00	-2.16
KECS	237	91	E	Sn	1559	51.60	5.97
GOPC	238	310	E	Pn	1559	20.20	2.94
GOPC	238	310	E	Sn	1559	47.10	1.30
UPC	238	337	E	Sn	1559	48.50	2.61
PRU	256	309	E	Pn	1559	24.00	4.38
PRU	256	309	E	Sn	1559	52.20	2.20
KHC	279	284	E	Pn	1559	23.00	0.54
KHC	279	284	E	Sn	1500	00.50	5.44

October 23 2011 Hour: 02:22:11.5 Lat: 45.543°N Lon: 16.092°E Depth: 4.1 km
 Magnitude: 2.1ML Rms: 0.51 s Gap: 239° Erh: 2.0 km Erz: 1.3 km

Locality: Croatia

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GCIS		51	315	I Pg		222	21.30	0.62							
GCIS		51	315	I Sg		222	28.60	0.78							
CRES		58	302	I Pg		222	22.20	0.17							
CRES		58	302	E Sg		222	30.50	0.28							
GOLS		63	325	I Pg		222	23.20	0.32							
BOJS		65	266	I Pg	C	222	23.30	0.00							
BOJS		65	266	I Sg		222	32.00	-0.48							
CESS		68	314	I Sg		222	33.50	0.18							
DOBS		83	324	I Pg		222	26.50	0.13							
KOGS		101	7	E Pg		222	28.90	-0.74							
VISS		101	287	I Pg		222	29.30	-0.42							
VISS		101	287	I Sg		222	43.10	-0.82							
PKDS		103	305	I Pg		222	30.10	0.01							
GROS		111	336	I Pg		222	31.30	-0.21							
BEHE		115	27	E Pg	D	222	31.90	-0.33							
BEHE		115	27	E Sg		222	46.50	-1.88							
CEY		131	280	I Pn		222	35.00	0.54							
CEY		131	280	I Sn		222	51.80	-0.54							
KNDS		133	269	I Pn		222	34.90	0.19							
PERS		143	328	I Pn		222	35.50	-0.37							
PERS		143	328	E Sn		222	52.30	-2.56							
SOKA		150	327	Pn		222	36.40	-0.40							
SOKA		150	327	Sn		222	56.30	-0.21							
OBKA		160	312	Pn		222	38.60	0.53							
OBKA		160	312	Sn		222	59.40	0.62							
ARSA		194	347	Pn		222	42.60	0.27							
ARSA		194	347	Sn		223	08.70	2.34							
MYKA		224	303	Sn		223	18.90	5.89							
MOA		292	331	Pn		222	54.80	0.35							
MOA		292	331	Sn		223	26.10	-1.83							

October 27 2011 Hour: 19:43:56.6 Lat: 46.186°N Lon: 16.685°E Depth: 6.2 km
 Magnitude: 1.7ML Rms: 0.48 s Gap: 234° Erh: 3.0 km Erz: 1.9 km

Locality: Croatia

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BEHE		32	12	E Pg		1944	02.40	-0.13							

CHAPTER 1. LOCAL EARTHQUAKES

BEHE	32	12	E	Sg		1944	06.80	-0.32
KOGS	44	311	I	Pg	D	1944	05.00	0.34
KOGS	44	311	I	Sg		1944	10.90	-0.01
GCIS	89	247	I	Pg		1944	12.90	0.28
DOBS	94	268	I	Pg		1944	13.10	-0.38
GROS	96	289	I	Pg		1944	13.30	-0.55
SOKA	138	293		Pn		1944	20.20	0.06
SOKA	138	293		Sn		1944	38.50	0.04
ARSA	148	323		Pn		1944	22.20	0.85
ARSA	148	323		Sn		1944	39.30	-1.31
OBKA	168	282		Sn		1944	46.40	1.27

October 28 2011 **Hour: 09:25:51.8** **Lat: 47.898°N** **Lon: 20.092°E** **Depth: 13.8 km**
Magnitude: 1.3ML **Rms: 0.15 s** **Gap: 255°** **Erh: 3.6 km** **Erz: 1.0 km**

Locality: Parád

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		14	279	E	Pg	D	925	55.30							-0.15
PSZ		14	279	E	Sg		925	58.50							0.22
KECS		71	24	E	Sg		926	15.00							0.07
VYHS		114	305	E	Pn		926	11.50							0.13
VYHS		114	305	E	Sn		926	26.50							-0.12

October 31 2011 **Hour: 14:54:16.6** **Lat: 47.740°N** **Lon: 16.158°E** **Depth: 1.8 km**
Magnitude: 2.6ML **Rms: 1.30 s** **Gap: 57°** **Erh: 5.3 km** **Erz: 6.3 km**

Locality: Austria

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CONA		30	314		Pg		1454	22.20							0.15
CONA		30	314		Sg		1454	27.40							1.09
ARSA		72	221		Pg		1454	28.90							-0.63
ARSA		72	221		Sg		1454	38.60							-1.02
ARSA		72	221	E	Sn		1454	53.90							-3.18
MOA		142	275		Pn		1454	40.90							-0.24
MOA		142	275		Sn		1454	59.60							-0.68
KOGS		143	177	E	Pn		1454	40.90							-0.41
SOKA		145	216		Pn		1454	41.30							-0.25
SOKA		145	216		Sn		1454	59.60							-1.42
PERS		145	213	I	Pn		1454	40.60							-0.99
BEHE		148	162	E	Pn		1454	45.30							3.37
BEHE		148	162	E	Sn		1455	05.10							3.40
GROS		150	199	E	Pn		1454	41.50							-0.67
CSKK		163	105	E	Pn		1454	43.90							0.10
CSKK		163	105	E	Sn		1455	05.70							0.67
TREC		179	344	E	Pn		1454	45.10							-0.72
TREC		179	344	E	Sn		1455	08.30							-0.33
OBKA		183	222		Pn		1454	47.30							1.04
OBKA		183	222		Sn		1455	10.80							1.40
VYHS		216	67	E	Pn		1454	49.40							-0.96
VYHS		216	67	E	Sn		1455	20.70							3.99
BUD		217	98	E	Pn	C	1454	54.90							4.41
BUD		217	98	E	Sn		1455	26.00							9.07
KBA		224	251		Pn		1454	51.10							-0.31
KBA		224	251		Sn		1455	25.10							6.52
MYKA		227	237		Pn		1454	55.20							3.48
MYKA		227	237		Sn		1455	24.20							5.08

KHC	245	309	E	Pn	1454	57.70	3.67
KHC	245	309	E	Sn	1455	23.40	0.16
GOPC	261	337	E	Pn	1454	58.20	2.15
GOPC	261	337	E	Sn	1455	26.20	-0.63
KRLC	263	10	E	Pn	1454	55.00	-1.28
KRLC	263	10	E	Sn	1455	26.30	-0.93
OKC	275	32	E	Pn	1454	59.20	1.48
OKC	275	32	E	Sn	1455	27.90	-1.90
PRU	276	335	E	Pn	1455	00.60	2.70
PRU	276	335	E	Sn	1455	31.20	1.07
PSZ	280	86	E	Pn	1454	57.90	-0.46
PSZ	280	86	E	Sn	1455	27.60	-3.34
PRA	288	334	E	Sn	1455	40.30	7.59
DPC	290	2	E	Pn	1455	00.80	1.18
DPC	290	2	E	Sn	1455	39.00	5.81
LANS	290	57	E	Sn	1455	31.20	-2.04
ABTA	297	248		Sn	1455	44.50	9.82
UPC	308	358	E	Pn	1455	02.70	0.91
UPC	308	358	E	Sn	1455	43.80	6.75
UPC	308	358	E	Sn	1455	51.70	9.52
WTTA	344	261		Pn	1455	05.50	-0.88
WTTA	344	261		Sn	1455	59.30	14.08
WATA	347	263		Pn	1455	17.20	10.43
WATA	347	263		Sn	1455	59.10	13.19
MOTA	383	263		Pn	1455	10.10	-1.06
MOTA	383	263		Sn	1456	09.60	15.88
MOTA	383	263	E	Sn	1456	07.30	12.45
RETA	406	266		Pn	1455	13.20	-0.90
RETA	406	266		Sn	1456	16.20	17.24
FETA	417	259		Pn	1455	15.50	0.03
FETA	417	259		Sn	1456	20.20	18.79
DAVA	475	264		Pn	1455	38.40	15.71
DAVA	475	264		Sn	1456	37.10	22.85

November 01 2011 Hour: 23:56:33.8 Lat: 47.716°N Lon: 17.433°E Depth: 10.0 km
 Magnitude: 3.5ML Rms: 0.74 s Gap: 49° Erh: 1.8 km Erz: 2.0 km

Locality: Mosonszentmiklós

Comments: felt 5 EMS

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		73	122	E	Pg	C	2356	47.20		0.12					
SMOL		88	360	E	Pg		2356	49.80		0.03					
SMOL		88	360	E	Sg		2357	02.40		0.19					
CONA		120	281		Pn		2356	54.50		-0.03					
CONA		120	281		Sn		2357	10.20		-0.48					
BUD		122	102	E	Pn	C	2356	54.70		-0.13					
BUD		122	102	E	Sn		2357	09.50		-1.72					
VYHS		135	50	E	Pn		2356	56.20		-0.29					
VYHS		135	50	E	Sn		2357	12.00		-2.18					
BEHE		147	200	E	Pn	D	2356	58.10		0.18					
BEHE		147	200	E	Sn		2357	18.50		1.77					
ARSA		153	250		Pn		2356	58.60		-0.04					
ARSA		153	250		Sn		2357	17.80		-0.21					
KOGS		167	213	I	Pn		2356	59.50		-0.91					
PSZ		185	83	E	Pn		2357	03.00		0.27					
PSZ		185	83	E	Sn		2357	28.40		3.12					

CHAPTER 1. LOCAL EARTHQUAKES

VRAC	187	341	I Pn	D	2357	03.20	0.23
MORH	190	151	E Pn		2357	02.80	-0.53
MORH	190	151	E Sn		2357	29.40	3.06
GROS	202	226	I Pn		2357	04.20	-0.61
PERS	212	236	I Pn		2357	05.80	-0.29
SOKA	215	238	Pn		2357	06.20	-0.23
SOKA	215	238	Sn		2357	32.00	0.13
LANS	219	43	E Pn		2357	07.20	0.27
LANS	219	43	E Sn		2357	32.70	-0.05
TREC	227	321	E Pn		2357	08.60	0.73
MORC	229	2	I Pn	D	2357	08.80	0.63
MOA	237	274	Pn		2357	10.70	1.48
MOA	237	274	Sn		2357	43.00	6.16
OKC	241	13	E Pn		2357	10.10	0.39
OKC	241	13	E Sn		2357	36.70	-1.01
KECS	242	69	E Pn		2357	10.30	0.45
KECS	242	69	E Sn		2357	43.70	5.74
OBKA	256	239	Pn		2357	11.80	0.22
OBKA	256	239	Sn		2357	50.10	9.06
KRLC	266	350	E Pn		2357	14.40	1.57
DPC	304	345	E Pn		2357	17.70	0.22
MYKA	311	247	Pn		2357	19.20	0.76
MYKA	311	247	Sn		2358	06.40	13.15
GOPC	312	322	E Pn		2357	20.20	1.69
KBA	316	257	Pn		2357	19.60	0.54
CEY	318	226	E Pn		2357	19.40	0.18
KHC	325	299	E Pn		2357	21.30	1.10
KHC	325	299	E Sn		2357	55.40	-0.98
CRVS	326	66	E Pn		2357	21.00	0.70
CRVS	326	66	E Sn		2358	07.80	11.24
UPC	327	342	E Pn		2357	20.70	0.31
PRU	330	320	E Pn		2357	21.30	0.58
PRU	330	320	E Sn		2357	54.90	-2.41
STHS	338	56	E Pn		2357	23.30	1.47
PRA	342	320	E Pn		2357	24.30	2.08
PRA	342	320	E Sn		2358	11.10	11.13
SKDS	356	227	I Pn		2357	23.80	-0.16
SIRR	359	117	I Pn	D	2357	24.30	-0.11
PVCC	376	326	E Pn		2357	28.00	1.52
TRPA	384	83	E Pn		2357	27.20	-0.30
BANR	384	132	I Pn	D	2357	28.20	0.68
ABTA	387	254	Pn		2357	28.50	0.56
ABTA	387	254	Sn		2358	27.50	17.35
BZS	396	126	I Pn	D	2357	28.90	-0.07
DRGR	412	104	I Pn		2357	31.40	0.39
WTTA	439	263	Pn		2357	36.20	1.80
WATA	443	265	Pn		2357	40.20	5.38
BMR	455	91	I Pn		2357	36.10	-0.23
NKC	460	307	E Pn		2357	37.30	0.37
NKC	460	307	E Sn		2358	45.00	18.84
DEV	464	116	I Pn	D	2357	41.20	3.69
MOTA	478	265	Pn		2357	41.20	1.98
CJR	480	103	I Pn		2357	39.50	0.06

RETA	502	267	Pn	2357	43.20	1.00
FETA	512	261	Pn	2357	44.40	0.96
ARCR	527	98	I Pn	2357	45.40	0.11
LOT	547	117	I Pn	2357	49.20	1.40
DAVA	571	265	Pn	2357	51.40	0.62
DAVA	571	265	Sn	2358	53.40	2.59
BURB	584	91	I Pn	2357	53.10	0.62
PDG	604	166	I Pn D	2357	57.90	2.93
ARR	610	115	I Pn	2357	55.60	-0.14
VOIR	636	113	I Pn D	2357	59.80	0.87
DOPR	637	108	I Pn	2357	59.20	0.17
MLR	697	111	I Pn D	2358	06.00	-0.54
TESR	712	101	I Pn	2358	08.90	0.53
VTs	728	141	I Pn D	2358	11.50	1.11
PLOR	733	106	I Pn D	2358	11.40	0.34
VRI	738	106	I Pn D	2358	11.90	0.20

November 02 2011 Hour: 02:16:41.4 Lat: 47.713°N Lon: 17.482°E Depth: 20.4 km
Magnitude: 1.3ML Rms: 0.51 s Gap: 115° Erh: 2.4 km Erz: 3.9 km

Locality: Öttevény

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		70	124	E Pg	C	216	53.80	-0.13							
CSKK		70	124	E Sg		217	02.80	-0.94							
SMOL		89	357	E Pg		216	56.80	0.01							
SMOL		89	357	E Sg		217	08.40	-0.43							
CONA		123	281	Pn		217	00.90	-0.31							
CONA		123	281	Sn		217	16.20	-0.50							
VYHS		133	49	E Pn		217	03.30	0.90							
VYHS		133	49	E Sn		217	18.50	-0.31							
ARSA		156	251	Pn		217	05.90	0.61							
ARSA		156	251	Sn		217	25.00	1.04							
SOKA		218	238	Pn		217	12.90	-0.13							
SOKA		218	238	Sn		217	37.40	-0.33							
MOA		241	274	Pn		217	21.30	5.39							

November 02 2011 Hour: 10:17:58.5 Lat: 48.414°N Lon: 19.026°E Depth: 0.0 km
Magnitude: 1.7ML Rms: 1.15 s Gap: 145° Erh: 4.6 km Erz: 8.0 km

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
VYHS		16	302	E Pg		1018	01.90	0.47							
VYHS		16	302	E Sg		1018	05.10	1.35							
PSZ		84	130	E Pg		1018	13.80	0.17							
LANS		88	22	E Pg		1018	15.00	0.81							
LANS		88	22	E Sg		1018	26.00	-0.46							
KECS		108	86	E Pg		1018	17.30	-0.49							
KECS		108	86	E Sg		1018	30.60	-2.26							
SMOL		118	275	E Sg		1018	34.20	-1.99							
CRVS		187	73	E Sn		1018	54.70	2.12							

November 13 2011 Hour: 02:14:28.0 Lat: 47.315°N Lon: 18.091°E Depth: 10.0 km
Magnitude: 1.1ML Rms: 0.93 s Gap: 265° Erh: 8.8 km Erz: 3.8 km

Locality: Bakonycsérnye

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		13	67	E Pg	D	214	30.50	-0.57							

CHAPTER 1. LOCAL EARTHQUAKES

CSKK	13	67	E	Sg	214	32.10	-1.35
BUD	72	75	E	Pg	214	42.40	1.25
BUD	72	75	E	Sg	214	50.80	-0.59
SMOL	142	340	E	Sn	215	09.60	-0.21
VYHS	142	23	E	Pn	214	53.10	1.58
VYHS	142	23	E	Sn	215	09.60	-0.26

November 13 2011 Hour: 19:03:08.0 Lat: 46.398°N Lon: 19.925°E Depth: 1.7 km
 Magnitude: 2.0ML Rms: 0.69 s Gap: 168° Erh: 6.9 km Erz: 13.8 km

Locality: Forráskút

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SIRR		134	96	I	Pn	1903	31.50	-0.08							
BANR		146	140	I	Pn	D 1903	33.90	0.76							
BZS		157	124	I	Pn	D 1903	34.50	0.07							
CSKK		166	310	E	Sn	1903	57.50	0.49							
PSZ		169	359	E	Pn	1903	35.60	-0.29							
PSZ		169	359	E	Sn	1903	59.80	2.15							
DRGR		218	78	I	Pn	D 1903	41.40	-0.60							
MDVR		227	142	I	Pn	1903	41.90	-1.29							
VYHS		247	341	E	Pn	1903	44.40	-1.22							
VYHS		247	341	E	Sn	1904	19.50	4.53							

November 18 2011 Hour: 00:30:37.5 Lat: 47.872°N Lon: 17.921°E Depth: 1.0 km
 Magnitude: 1.3ML Rms: 0.48 s Gap: 177° Erh: 2.7 km Erz: 250 km

Locality: Slovakia

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CSKK		62	156	E	Pg	030	49.00	0.41							
CSKK		62	156	E	Sg	030	56.40	-0.84							
SMOL		80	333	E	Pg	030	51.50	-0.32							
SMOL		80	333	E	Sg	031	02.80	-0.19							
VYHS		97	45	E	Pg	030	55.10	0.27							
VYHS		97	45	E	Sg	031	08.90	0.56							

November 23 2011 Hour: 03:18:47.6 Lat: 47.445°N Lon: 18.344°E Depth: 10.0 km
 Magnitude: 1.8ML Rms: 1.56 s Gap: 85° Erh: 5.3 km Erz: 5.3 km

Locality: Oroszlány

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		51	85	E	Pg	318	57.30	0.29							
BUD		51	85	E	Sg	319	03.40	-0.91							
VYHS		122	18	E	Pn	319	08.70	0.06							
VYHS		122	18	E	Sn	319	22.20	-2.82							
ZST		124	312	E	Pn	319	08.10	-0.88							
ZST		124	312	E	Sn	319	22.20	-3.41							
PSZ		127	66	E	Pn	C 319	09.50	0.17							
PSZ		127	66	E	Sn	319	25.60	-0.65							
SMOL		137	330	E	Pn	319	11.10	0.61							
SMOL		137	330	E	Sn	319	26.60	-1.70							
MORH		138	170	E	Pn	319	10.20	-0.48							
MORH		138	170	E	Sn	319	26.20	-2.45							
BEHE		161	228	E	Pn	319	15.20	1.70							
CONA		193	286		Pn	319	22.00	4.43							
CONA		193	286		Sn	319	39.00	-1.91							
KECS		197	54	E	Pn	319	18.90	0.91							
KECS		197	54	E	Sn	319	45.20	3.53							

LANS	207	24	E	Pn	319	22.50	3.27
LANS	207	24	E	Sn	319	46.70	2.84
ARSA	214	264		Sn	319	46.20	0.77
SOKA	265	251		Sn	319	57.10	0.26
KHC	400	298	E	Pn	319	52.50	9.19
KHC	400	298	E	Sn	320	26.70	-0.02

November 25 2011 Hour: 12:18:10.4 Lat: 47.980°N Lon: 19.910°E Depth: 0.0 km
 Magnitude: 1.1ML Rms: 0.93 s Gap: 152° Erh: 4.6 km Erz: 9.8 km
 Locality: Szuha Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		7	190	E	Pg	C	1218	11.20	-0.47						
PSZ		7	190	E	Sg		1218	13.00	0.36						
KECS		70	37	E	Pg		1218	24.10	1.10						
KECS		70	37	E	Sg		1218	31.40	-1.41						
VYHS		98	306	E	Sg		1218	41.60	-0.03						
STHS		187	32	E	Sn		1219	06.80	2.24						

November 27 2011 Hour: 06:54:33.3 Lat: 47.939°N Lon: 19.307°E Depth: 0.9 km
 Magnitude: 1.2ML Rms: 0.74 s Gap: 237° Erh: 5.0 km Erz: 215 km
 Locality: Kisecset Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		44	93	E	Pg		654	40.40	-0.76						
PSZ		44	93	E	Sg		654	47.00	-0.29						
VYHS		71	330	E	Pg		654	46.10	0.12						
VYHS		71	330	E	Sg		654	54.60	-1.26						
KECS		106	55	E	Pg		654	53.10	0.78						
KECS		106	55	E	Sg		655	08.40	1.25						

November 28 2011 Hour: 11:46:26.4 Lat: 47.289°N Lon: 18.775°E Depth: 10.0 km
 Magnitude: 1.3ML Rms: 0.55 s Gap: 135° Erh: 4.3 km Erz: 3.5 km
 Locality: Baracska Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
BUD		28	41	E	Pg	C	1146	31.80	-0.05						
BUD		28	41	E	Sg		1146	35.80	-0.27						
CSKK		39	282	E	Pg	C	1146	33.60	-0.15						
CSKK		39	282	E	Sg		1146	39.70	0.24						
PSZ		109	50	E	Pn		1146	46.90	1.07						
PSZ		109	50	E	Sn		1147	00.00	-0.97						
MORH		119	185	E	Pn		1146	47.60	0.48						
MORH		119	185	E	Sn		1147	02.70	-0.56						

December 04 2011 Hour: 09:19:33.0 Lat: 48.175°N Lon: 19.883°E Depth: 0.0 km
 Magnitude: 1.2ML Rms: 0.52 s Gap: 126° Erh: — km Erz: — km
 Locality: Salgóbanya Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		28	178	E	Pg	C	919	38.70	0.58						
PSZ		28	178	E	Sg		919	41.30	-0.80						
KECS		56	53	E	Sg		919	50.70	-0.23						
VYHS		85	295	E	Pg		919	48.10	-0.16						

December 06 2011 Hour: 22:48:06.3 Lat: 47.757°N Lon: 16.174°E Depth: 7.5 km
 Magnitude: 1.9ML Rms: 1.48 s Gap: 107° Erh: 3.3 km Erz: 3.0 km
 Locality: Austria Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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CHAPTER 1. LOCAL EARTHQUAKES

SOP	30	106	E Pg	D	2248	12.60	0.73
SOP	30	106	E Sg		2248	16.10	-0.07
CONA	30	309	Pg		2248	12.40	0.51
CONA	30	309	Sg		2248	16.50	0.28
ARSA	74	221	Pg		2248	19.20	-0.54
ARSA	74	221	Sg		2248	28.00	-2.19
ZST	84	55	E Pg		2248	20.30	-1.26
ZST	84	55	E Sg		2248	30.80	-2.62
MODS	107	50	E Pg		2248	24.20	-1.32
MODS	107	50	E Sg		2248	37.70	-2.78
SMOL	125	48	E Pn		2248	28.40	0.29
SMOL	125	48	E Sn		2248	44.60	-0.48
MOA	143	274	Pn		2248	31.20	0.91
MOA	143	274	Sn		2248	48.30	-0.67
SOKA	147	216	Pn		2248	31.20	0.34
SOKA	147	216	Sn		2248	47.50	-2.47
PERS	148	213	I Pn		2248	31.10	0.20
PERS	148	213	I Sn		2248	48.10	-1.94
CSKK	163	106	E Pn		2248	35.60	2.85
CSKK	163	106	E Sn		2248	54.90	1.55
OBKA	185	222	Pn		2248	38.40	2.84
OBKA	185	222	Sn		2249	00.00	1.65
VYHS	214	68	E Pn		2248	42.20	3.03
MYKA	229	237	Pn		2248	46.40	5.40
KHC	245	309	E Pn		2248	45.10	2.07
KHC	245	309	E Sn		2249	15.20	3.56
PRU	275	334	E Pn		2248	52.10	5.31
PRU	275	334	E Sn		2249	23.50	5.17

December 07 2011 Hour: 17:53:08.1 Lat: 47.780°N Lon: 16.146°E Depth: 6.3 km
 Magnitude: 0.7ML Rms: 0.65 s Gap: 105° Erh: 2.1 km Erz: 2.1 km

Locality: Austria

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
CONA		26	308	Pg		1753	13.30	0.29							
CONA		26	308	Sg		1753	16.80	-0.05							
SOP		32	109	E Pg	C	1753	14.50	0.47							
SOP		32	109	E Sg		1753	18.60	-0.08							
ARSA		75	219	Pg		1753	21.50	-0.07							
ARSA		75	219	Sg		1753	31.00	-1.09							
MODS		107	52	E Pg		1753	25.80	-1.43							
MODS		107	52	E Sg		1753	38.00	-4.17							
SMOL		125	49	E Pn		1753	30.10	0.14							
SMOL		125	49	E Sn		1753	42.10	-4.93							
MOA		141	273	Pn		1753	32.30	0.42							
MOA		141	273	Sn		1753	50.10	-0.36							
SOKA		148	215	Pn		1753	33.10	0.25							
SOKA		148	215	Sn		1753	51.90	-0.27							
OBKA		186	221	Pn		1753	39.00	1.49							
OBKA		186	221	Sn		1754	00.00	-0.47							

December 09 2011 Hour: 12:48:11.2 Lat: 48.363°N Lon: 19.853°E Depth: 0.0 km
 Magnitude: 2.3ML Rms: 0.75 s Gap: 102° Erh: 2.3 km Erz: 3.3 km

Locality: Slovakia

Comments: probably explosion

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
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KECS	48	74	E	Pg	1248	19.70	-0.20
KECS	48	74	E	Sg	1248	26.20	-0.48
PSZ	49	176	E	Pg	D 1248	20.10	0.04
PSZ	49	176	E	Sg	1248	27.30	0.34
VYHS	76	281	E	Pg	1248	24.80	-0.09
VYHS	76	281	E	Sg	1248	34.50	-1.07
LANS	92	342	E	Pg	1248	28.90	1.27
LANS	92	342	E	Sg	1248	39.70	-0.75
CRVS	132	63	E	Pn	1248	34.70	-0.10
CRVS	132	63	E	Sn	1248	52.00	-1.20
STHS	155	41	E	Sn	1248	59.70	1.51
MODS	190	270	E	Sn	1249	07.40	1.32

December 18 2011 Hour: 10:27:28.6 Lat: 47.709°N Lon: 17.525°E Depth: 25.7 km
 Magnitude: 1.3ML Rms: 0.55 s Gap: 127° Erh: 3.9 km Erz: 5.9 km

Locality: Abda

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
SRO		60	79	E	Pg	1027	39.80	0.07							
SRO		60	79	E	Sg	1027	48.10	-0.31							
CSKK		67	125	E	Pg	D 1027	41.10	0.29							
CSKK		67	125	E	Sg	1027	49.20	-1.12							
SMOL		89	355	E	Pn	1027	43.70	-0.10							
SMOL		89	355	E	Sn	1027	54.90	-0.74							
CONA		126	281		Pn	1027	48.10	-0.32							
CONA		126	281		Sn	1028	03.30	-0.56							
VYHS		131	48	E	Pn	1027	49.90	0.97							
VYHS		131	48	E	Sn	1028	04.90	0.12							
ARSA		159	251		Pn	1027	53.40	0.94							
ARSA		159	251		Sn	1028	11.10	0.05							

December 28 2011 Hour: 09:20:30.0 Lat: 48.036°N Lon: 19.595°E Depth: 10.0 km
 Magnitude: 1.0ML Rms: 0.51 s Gap: 192° Erh: 6.4 km Erz: 16.3 km

Locality: Nagylóc

Comments:

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
PSZ		25	120	E	Pg	C 920	35.30	0.32							
PSZ		25	120	E	Sg	920	38.50	-0.34							
VYHS		76	312	E	Pg	920	44.50	0.80							
VYHS		76	312	E	Sg	920	53.00	-1.38							
KECS		82	53	E	Pg	920	44.60	-0.31							

2. Focal mechanisms

From the 393 earthquakes identified for the year 2011, it was possible to determine the focal mechanism in 5 cases. The computation were performed using the FPFIT computer program (Reasenberg and Oppenheimer, 1985). The results are shown in Table 2.1 and Figs. 2.1-2.5.

Date	Time	Lat ($^{\circ}$ N)	Lon ($^{\circ}$ N)	Depth (km)	Magn.	Strike ($^{\circ}$)	Dip ($^{\circ}$)	Rake ($^{\circ}$)
2011.01.26	20:23:22	47.627	17.960	5.2	2.1	30	75	60
2011.01.29	17:41:38	47.459	18.361	9.1	4.5	50	90	50
2011.01.31	00:25:28	47.492	18.340	8.2	2.4	200	40	-30
2011.03.11	01:45:23	47.454	18.306	10.0	2.3	110	55	-30
2011.07.11	06:05:59	47.536	18.342	0.3	3.5	75	45	-40

Table 2.1: Parameters of earthquakes with computed focal mechanisms

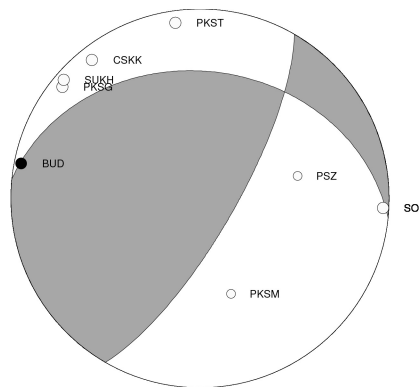


Figure 2.1:

Focal mechanism of the earthquake of 2011.01.26 20:23:22 (UTC)

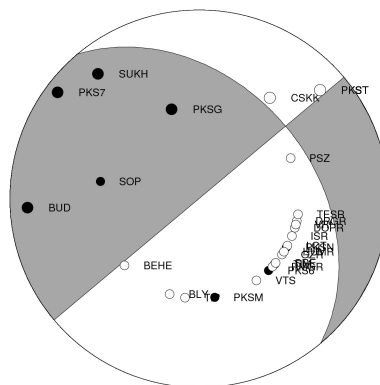


Figure 2.2:

Focal mechanism of the earthquake of 2011.01.29 17:41:38 (UTC)

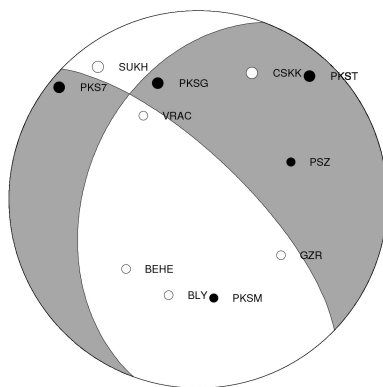


Figure 2.3:
Focal mechanism of the earthquake of 2011.01.31 00:25:28 (UTC)

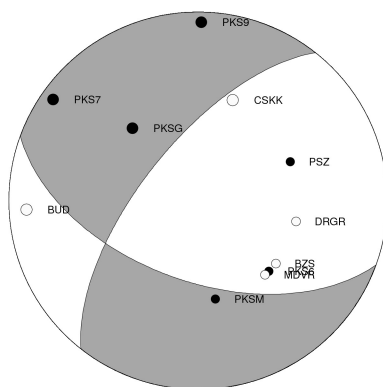


Figure 2.4:
Focal mechanism of the earthquake of 2011.03.11 01:45:23 (UTC)

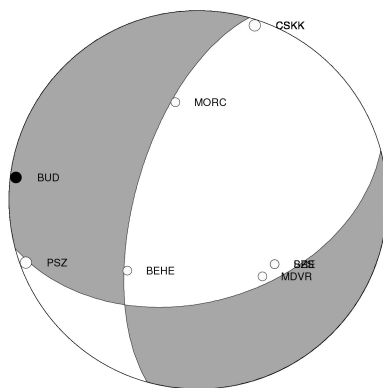


Figure 2.5:
Focal mechanism of the earthquake of 2011.07.11 06:05:59 (UTC)

3. Macroseismic data

During the year 2011 seven earthquakes have been felt by the public 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 Observatory. In this Chapter the results of data processing are presented. In Tables 3.2-3.8 the name of affected settlements, their coordinates, the estimated EMS intensity values, their R relative reliability (Zsíros, 1994) and the number of reports (N) are shown.

Date	Time	Lat (°N)	Lon (°N)	Depth (km)	Magn. (ML)	Epic. intensity (EMS)
2011.01.26	20:23:22	47.627	17.960	5.2	2.1	IV-V
2011.01.29	17:41:38	47.459	18.361	9.1	4.5	VI
2011.01.30	20:58:45	47.480	18.340	7.0	2.7	IV-V
2011.07.11	06:05:59	47.536	18.342	0.3	3.5	V
2011.09.03	07:30:31	46.618	18.717	6.7	2.7	IV-V
2011.09.07	22:38:20	47.830	19.568	1.5	2.3	IV
2011.11.01	23:56:33	47.716	17.433	10.0	3.5	V

Table 3.1: Parameters of Hungarian earthquakes felt by the public

2011.01.26 – Bana

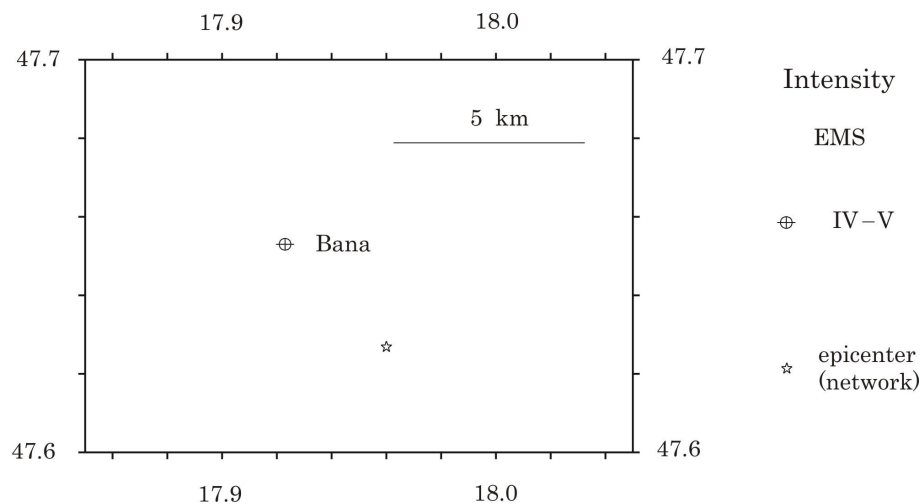


Figure 3.1: EMS intensity distribution of the earthquake of 2011.01.26 20:23:22 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Bana	47.653	17.923	IV-V	35	1

Table 3.2: Felt EMS intensities of the earthquake of 2011.01.26 20:23:22 UTC

2011.01.29 – Oroszlány

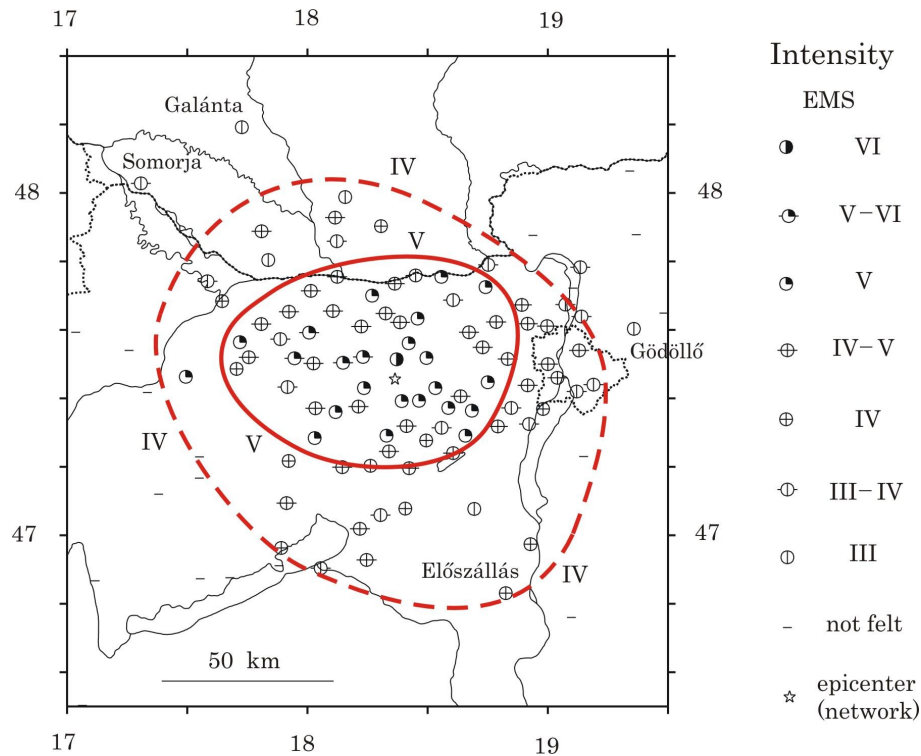


Figure 3.2:
EMS intensity distribution of the earthquake of 2011.01.29 17:41:38 UTC

Table 3.3: Felt intensities of the earthquake of January 29,
2011 (17:41:38) UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Agárd	47.196	18.607	IV	50	1
Aka	47.404	18.076	III-IV	32	1
Alcsútdoboz	47.429	18.607	IV-V	37	1
Almásfüzitő	47.732	18.259	IV-V	36	2
Aparhant	46.339	18.452	I	0	2
Aszód	47.649	19.483	I	0	1
Ács	47.714	18.014	IV-V	37	1
Baj	47.649	18.368	IV-V	38	1
Balatonfőkajár	47.019	18.218	IV-V	38	2
Balatonfüred	46.963	17.891	IV	48	1
Balinka	47.314	18.185	IV-V	39	1
Bana	47.653	17.923	IV-V	43	1
Bábolna	47.644	17.979	III-IV	33	1
Biatorbágy	47.473	18.820	IV-V	34	6
Bicske	47.493	18.634	IV-V	34	5
Bodajk	47.322	18.241	IV-V	35	2
Bodmér	47.452	18.542	IV-V	32	1
Bokod	47.491	18.247	V-VI	41	1
Budakeszi	47.514	18.937	III-IV	35	5
Budaörs	47.469	18.961	IV-V	34	7
Budapest I	47.510	19.030	IV	40	3
Budapest II	47.540	19.000	III-IV	34	6
Budapest III	47.570	19.030	IV-V	33	28

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Budapest IV	47.570	19.100	IV-V	35	9
Budapest V	47.500	19.050	IV-V	34	4
Budapest VI	47.520	19.070	IV	47	5
Budapest VII	47.510	19.080	IV-V	36	6
Budapest VIII	47.490	19.090	III-IV	32	4
Budapest IX	47.470	19.100	III-IV	35	3
Budapest X	47.480	19.150	IV-V	36	3
Budapest XI	47.460	19.040	IV-V	33	19
Budapest XII	47.500	19.000	IV-V	34	6
Budapest XIII	47.540	19.080	IV-V	35	15
Budapest XIV	47.520	19.120	IV-V	33	3
Budapest XV	47.540	19.130	IV-V	35	3
Budapest XVIII	47.440	19.190	III-IV	26	2
Budapest XIX	47.460	19.120	III-IV	38	2
Budapest XX	47.420	19.120	III-IV	41	2
Budapest XXI	47.420	19.070	III-IV	35	4
Bugyi	47.230	19.149	I	0	1
Csabdi	47.523	18.618	IV-V	34	1
Csákberény	47.349	18.331	IV-V	36	2
Csákvár	47.393	18.464	V	45	2
Császár	47.504	18.148	V-VI	34	4
Csetény	47.318	18.005	III-IV	39	1
Csókakő	47.353	18.271	IV-V	33	2
Csór	47.203	18.262	III-IV	36	1
Csörötnek	46.948	16.374	I	0	1
Csósz	47.039	18.416	III-IV	38	1
Dad	47.521	18.231	V-VI	35	3
Dalmand	46.494	18.191	I	0	2
Diósd	47.411	18.956	III-IV	38	1
Dombóvár	46.380	18.142	I	0	1
Dorog	47.725	18.741	V	72	1
Döbrönte	47.229	17.551	I	0	1
Dunakeszi	47.639	19.140	III-IV	37	3
Dunatetőtlen	46.760	19.098	I	0	1
Dunaújváros	46.974	18.928	IV	32	1
Egyházaskesző	47.417	17.334	I	0	2
Ekecs	47.888	17.809	IV-V	31	1
Előszállás	46.831	18.825	IV	38	1
Enying	46.928	18.246	IV-V	34	1
Eplény	47.217	17.922	IV	40	1
Etyek	47.447	18.750	V	47	1
Esztergom	47.790	18.752	III-IV	39	1
Écs	47.564	17.719	V	61	1
Érd	47.400	18.904	IV-V	32	7
Érsekújvár	47.988	18.157	III	41	1
Fehérváracsurgó	47.291	18.268	V	39	1
Felcsút	47.453	18.594	IV-V	34	3
Galánta	48.192	17.727	III	40	1
Gánt	47.392	18.392	V	38	2
Gárdony	47.208	18.631	III-IV	37	1
Gödöllő	47.603	19.358	III	33	1
Gyarmat	47.463	17.494	V	69	2

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Győr	47.684	17.645	IV	43	10
Győrzámoly	47.742	17.584	III-IV	42	1
Halásztelek	47.369	18.980	IV	46	1
Helvécia	46.835	19.618	I	0	1
Herceghalom	47.492	18.769	IV	39	2
Héreg	47.649	18.516	IV-V	37	1
Jásd	47.284	18.030	V	24	1
Jászárokszállás	47.644	19.972	I	0	2
Kapuvár	47.593	17.036	I	0	1
Kecskéd	47.529	18.312	VI	29	3
Kérékteleki	47.517	17.946	V-VI	35	1
Kesztölc	47.713	18.797	III-IV	40	1
Kincsesbánya	47.258	18.271	IV	52	1
Kisbér	47.502	18.025	IV-V	34	1
Kisigmánd	47.655	18.106	IV-V	33	2
Kisrécse	46.503	17.064	I	0	1
Kocs	47.610	18.224	IV-V	36	1
Komárom	47.755	18.124	IV-V	34	12
Kóspallag	47.876	18.938	I	0	1
Kömlőd	47.551	18.268	V	23	1
Környe	47.554	18.335	V	28	3
Kunfehértó	46.362	19.407	I	0	2
Lábatlan	47.747	18.507	IV-V	35	1
Lepsény	46.991	18.246	IV	39	1
Lovasberény	47.314	18.558	III-IV	37	3
Lókút	47.208	17.871	I	0	2
Lucfalva	48.031	19.686	I	0	1
Magyaralmás	47.291	18.329	V	45	2
Magyarpolány	47.167	17.550	I	0	1
Martonvásár	47.318	18.792	IV-V	34	2
Martos	47.859	18.122	III-IV	39	1
Mány	47.530	18.663	III-IV	38	1
Máriakéménd	46.028	18.462	I	0	1
Mezőörs	47.573	17.887	III-IV	36	1
Mindszentkál	46.873	17.554	I	0	1
Moha	47.245	18.339	IV-V	37	1
Mór	47.376	18.212	IV-V	35	4
Nagykanizsa	46.459	16.990	I	0	3
Nagykovácsi	47.578	18.890	IV	43	1
Nagymegyer	47.858	17.769	IV	38	1
Nagysáp	47.687	18.606	III-IV	38	1
Nagyveleg	47.360	18.117	V	52	2
Naszály	47.700	18.269	V	37	1
Naszvad	47.928	18.115	IV-V	34	1
Neszmély	47.735	18.363	IV-V	37	1
Nógrádkövesd	47.878	19.368	I	0	1
Nyergesújfalú	47.755	18.557	V	26	2
Oroszlány	47.487	18.323	VI	26	6
Óbarok	47.495	18.567	IV-V	36	1
Pannonhalma	47.551	17.764	IV-V	35	1
Patvarc	48.064	19.341	I	0	2
Pátka	47.277	18.494	IV	50	1

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Páty	47.515	18.833	IV-V	36	3
Pázmánd	47.291	18.657	V	42	2
Perbete	47.903	18.306	IV	48	1
Pér	47.617	17.808	IV-V	34	2
Pilisborosjenő	47.611	18.997	IV-V	36	1
Piliscsaba	47.638	18.840	IV	40	1
Pilisszántó	47.673	18.892	IV-V	39	1
Pilisszentiván	47.612	18.897	IV-V	36	3
Pilisszentkereszt	47.694	18.904	III-IV	40	1
Pilisvörösvár	47.618	18.916	IV-V	37	2
Polgárdi	47.059	18.304	III-IV	41	1
Pócsmegyer	47.722	19.104	I	0	2
Pusztavám	47.430	18.235	V	25	4
Ravazd	47.520	17.756	IV-V	37	1
Réde	47.433	17.917	III-IV	42	2
Rózsaszentmárton	47.790	19.736	I	0	1
Sárkeresztes	47.251	18.355	IV	55	1
Siófok	46.904	18.055	III-IV	36	1
Sokorópátka	47.486	17.705	IV	50	1
Solymár	47.593	18.936	III-IV	36	3
Somlóvásárhely	47.120	17.381	I	0	1
Somorja	48.028	17.307	III-IV	40	1
Sopron	47.682	16.593	I	0	1
Sopronhorpács	47.481	16.744	I	0	1
Söréd	47.321	18.286	IV-V	31	1
Sukoró	47.240	18.606	IV-V	34	1
Súr	47.371	18.033	IV-V	33	2
Süttő	47.759	18.450	III-IV	35	2
Szabadegyháza	47.077	18.694	III	39	1
Szank	46.550	19.663	I	0	1
Szakony	47.428	16.716	I	0	1
Szákszend	47.548	18.177	V	38	3
Szár	47.482	18.529	V	35	3
Szárliget	47.518	18.495	V	36	1
Százhalombatta	47.325	18.922	III-IV	34	3
Szentendre	47.674	19.073	III-IV	39	2
Szentpéterfa	47.096	16.488	I	0	2
Székesfehérvár	47.196	18.423	IV-V	34	20
Szilsárkány	47.540	17.258	I	0	2
Szomód	47.685	18.347	IV	45	1
Szomor	47.593	18.672	IV-V	38	2
Tabajd	47.406	18.637	IV-V	35	2
Tany	47.804	17.837	III	25	1
Tarján	47.614	18.511	IV	45	3
Tata	47.648	18.325	IV-V	34	6
Tatabánya	47.561	18.421	V	24	29
Tác	47.078	18.407	IV	50	2
Tápiószecső	47.454	19.596	I	0	2
Tárkány	47.592	18.007	V-VI	37	1
Tárnok	47.372	18.848	III-IV	39	1
Telki	47.550	18.835	IV	49	3
Tihany	46.911	17.882	I	0	1

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Tinnye	47.623	18.785	IV-V	31	3
Tiszakécske	46.934	20.096	I	0	1
Törökbálint	47.438	18.916	IV-V	35	3
Valkó	47.567	19.509	I	0	1
Vác	47.783	19.135	III-IV	38	1
Vál	47.364	18.684	V	72	1
Várgesztes	47.475	18.401	VI	25	4
Várpalota	47.199	18.145	IV-V	36	3
Veszprém	47.094	17.913	IV-V	33	6
Vértessacska	47.372	18.586	V	60	1
Vértessboglár	47.430	18.532	V	51	2
Vérteskethely	47.484	18.086	IV	38	2
Vértesskozma	47.450	18.440	V-VI	50	1
Vértessomló	47.514	18.371	VI	28	3
Vértesszőlős	47.622	18.385	IV-V	34	2
Vértestolna	47.633	18.458	V	37	1
Zalaegerszeg	46.844	16.844	I	0	1
Zalaszentlászló	46.867	17.117	I	0	1
Zámoly	47.319	18.412	IV-V	31	1
Zánka	46.876	17.677	I	0	1
Zsámbék	47.549	18.729	IV-V	35	2

2011.01.30 – Oroszlány

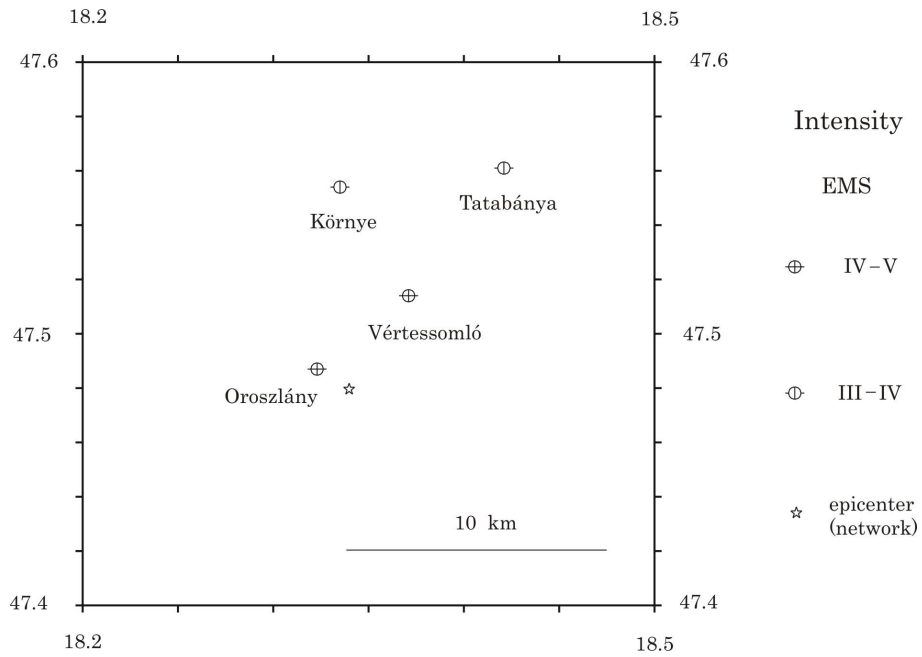


Figure 3.3:
EMS intensity distribution of the earthquake of 2011.01.30 20:58:46 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Környe	47.554	18.335	III-IV	37	1
Oroszlány	47.487	18.323	IV-V	33	11
Tatabánya	47.561	18.421	III-IV	34	5
Vértessomló	47.514	18.371	IV-V	34	1

Table 3.4:
Felt EMS intensities of the earthquake of 2011.01.30 20:58:46 UTC

2011.07.11 – Gánt

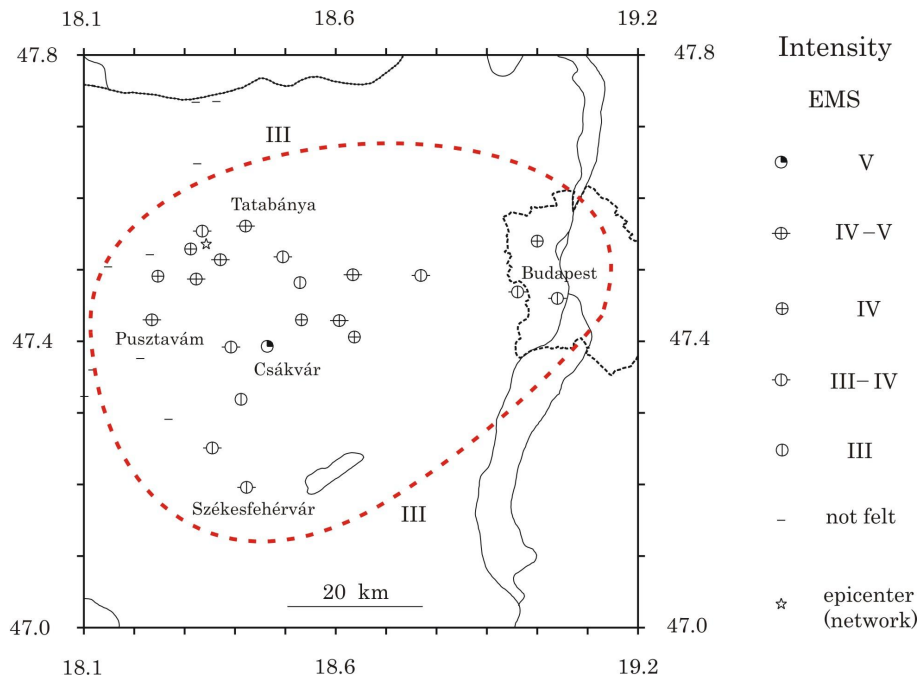


Figure 3.4:

EMS intensity distribution of the earthquake of 2011.07.11 06:05:59 UTC

Table 3.5: Felt EMS intensities of the earthquake of 2011.07.11 06:05:59 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Alcsútdoboz	47.429	18.607	IV-V	37	2
Bakonycsérnye	47.323	18.101	I	0	1
Budaörs	47.469	18.961	III-IV	42	1
Budapest II	47.540	19.000	IV	42	2
Budapest XI	47.460	19.040	III-IV	39	3
Bicske	47.493	18.634	IV-V	37	2
Bokod	47.491	18.247	IV	34	1
Csákvár	47.393	18.464	V	37	4
Császár	47.504	18.148	I	0	1
Dad	47.521	18.231	I	0	1
Dunaalmás	47.734	18.322	I	0	2
Fehérvárcsurgó	47.291	18.268	I	0	1
Gánt	47.392	18.392	III-IV	39	1
Herceghalom	47.492	18.769	III-IV	43	1
Kecskéd	47.529	18.312	IV	41	1
Környe	47.554	18.335	III-IV	40	2
Mór	47.376	18.212	I	0	1
Nagyveleg	47.360	18.117	I	0	1
Neszmély	47.735	18.363	I	0	1
Oroszlány	47.487	18.323	IV-V	33	10
Pusztavám	47.430	18.235	IV-V	36	1
Sárkeresztes	47.251	18.355	III-IV	36	1
Szár	47.482	18.529	III	33	1
Szárliget	47.518	18.495	III-IV	32	1
Székesfehérvár	47.196	18.423	III-IV	33	2

Locality	Latitude ($^{\circ}$ N)	Longitude ($^{\circ}$ E)	Intensity (EMS)	R (%)	N
Tabajd	47.406	18.637	IV	25	1
Tata	47.648	18.325	I	0	1
Tatabánya	47.561	18.421	IV-V	32	10
Vértessoglár	47.430	18.532	IV	34	2
Vértessomló	47.514	18.371	IV-V	35	3
Zámoly	47.319	18.412	III	39	1

2011.09.03 – Németkér

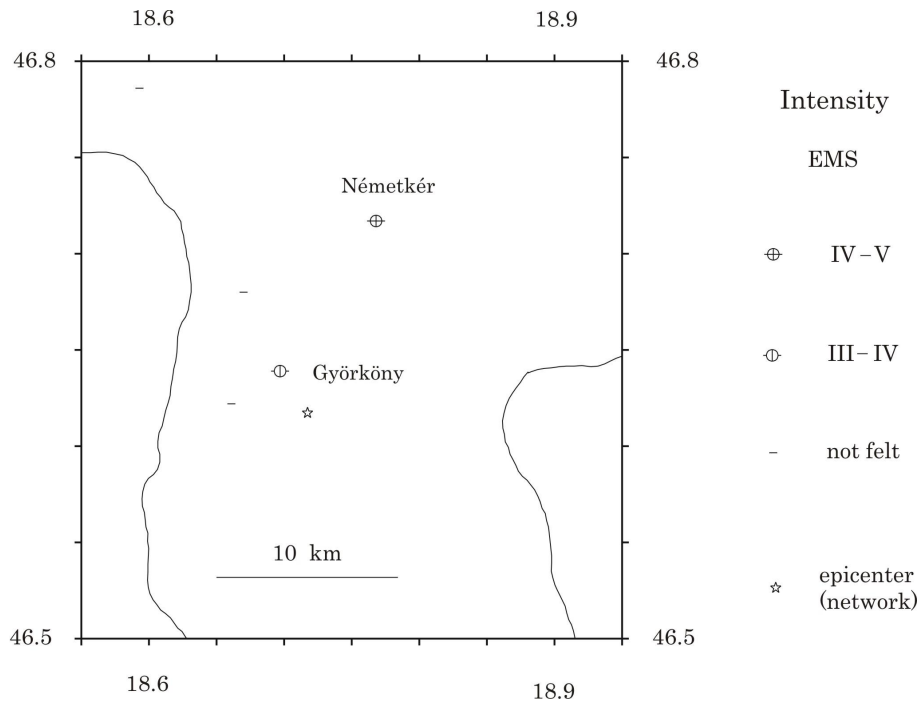


Figure 3.5:
EMS intensity distribution of the earthquake of 2011.09.03 07:30:30 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Bikács	46.680	18.670	I	0	1
Előszállás	46.831	18.825	I	0	1
Györköny	46.639	18.697	III-IV	38	1
Nagydorog	46.622	18.661	I	0	2
Németkér	46.717	18.768	IV-V	33	3
Sáregres	46.786	18.593	I	0	1

Table 3.6:
Felt EMS intensities of the earthquake of 2011.09.03 07:30:30 UTC

2011.09.07 – Kisbágyon

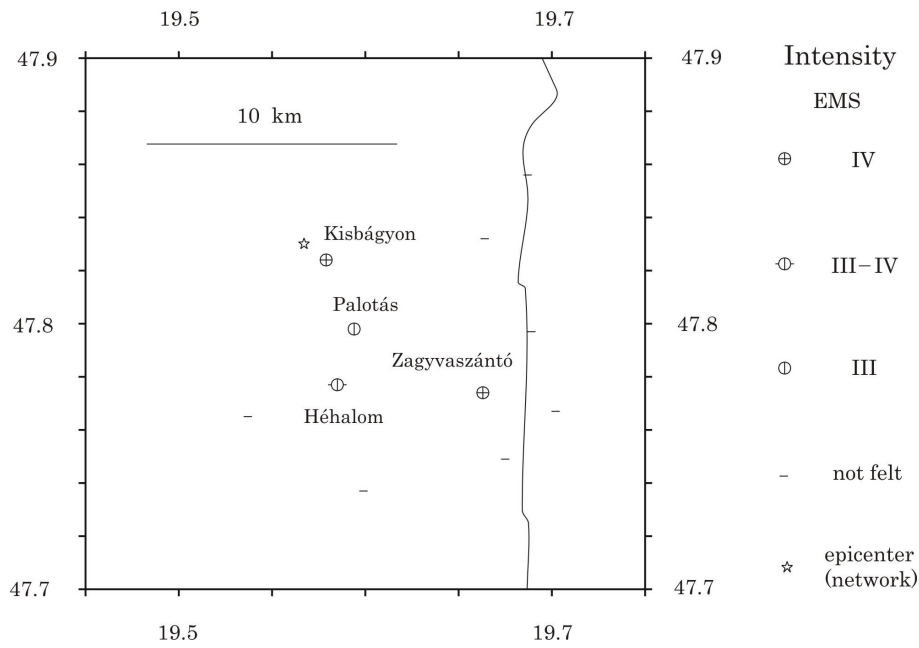


Figure 3.6:
EMS intensity distribution of the earthquake of 2011.09.07 22:38:20 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Alap	46.809	18.686	I	0	1
Apc	47.797	19.689	I	0	2
Atkár	47.723	19.884	I	0	1
Ecséd	47.738	19.767	I	0	2
Erdőtarcsa	47.765	19.537	I	0	1
Gyöngyöspata	47.817	19.786	I	0	2
Gyöngyöstarján	47.817	19.861	I	0	1
Györköny	46.639	18.697	I	0	1
Hatvan	47.671	19.674	I	0	1
Héhalom	47.777	19.585	III-IV	32	1
Hort	47.694	19.776	I	0	1
Jobbágyi	47.832	19.664	I	0	2
Kerekharaszt	47.669	19.625	I	0	1
Kisbágyon	47.824	19.579	IV	43	1
Lőrinci	47.749	19.675	I	0	2
Nagykökényes	47.737	19.599	I	0	1
Palotás	47.798	19.594	III	40	1
Petőfibánya	47.767	19.702	I	0	2
Szurdokpüspöki	47.856	19.687	I	0	1
Szúcsi	47.806	19.762	I	0	1
Zagyvaszántó	47.774	19.663	IV	43	1

Table 3.7:
Felt EMS intensities of the earthquake of 2011.09.07 22:38:20 UTC

2011.11.01 – Rábapatona

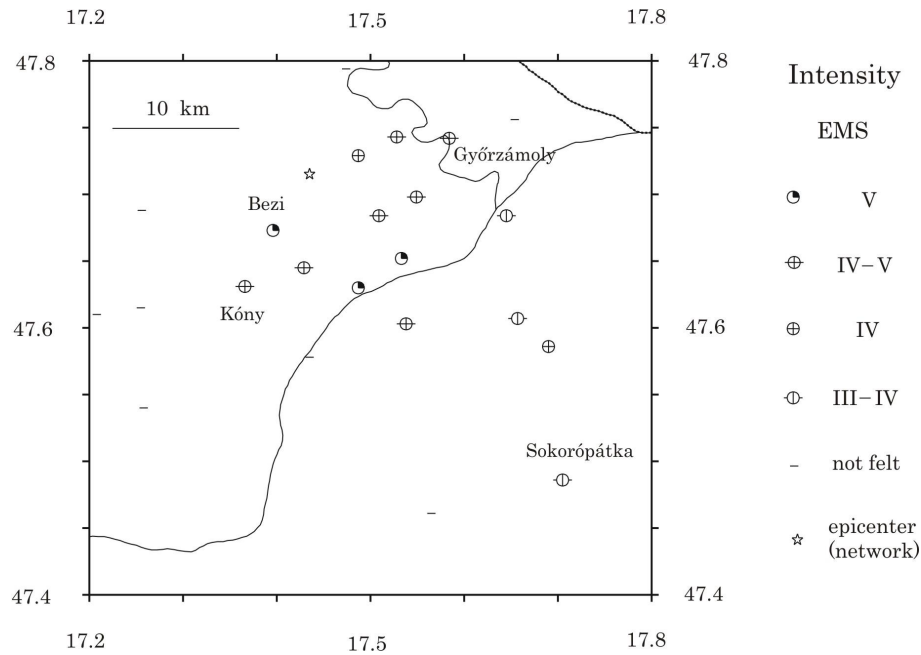


Figure 3.7:

EMS intensity distribution of the earthquake of 2011.11.01 23:56:33 UTC

Locality	Latitude (°N)	Longitude (°E)	Intensity (EMS)	R (%)	N
Abda	47.698	17.549	IV-V	35	1
Bezi	47.673	17.396	V	55	1
Börcs	47.684	17.509	IV-V	31	1
Bősárkány	47.688	17.256	I	0	1
Csorna	47.615	17.255	I	0	1
Dunaremete	47.875	17.441	I	0	1
Dunasziget	47.937	17.360	I	0	1
Enese	47.645	17.429	IV-V	33	1
Farád	47.610	17.208	I	0	1
Győr	47.684	17.645	III-IV	36	5
Győrújbarát	47.607	17.657	III-IV	37	1
Győrzámoly	47.742	17.584	IV-V	35	1
Ikrény	47.652	17.533	V	78	1
Jánossomorja	47.782	17.138	I	0	1
Koroncó	47.603	17.538	IV-V	35	1
Kóny	47.631	17.366	IV-V	34	1
Kunsziget	47.743	17.528	IV-V	36	2
Mecsér	47.794	17.474	I	0	2
Mosonszolnok	47.851	17.181	I	0	1
Nyúl	47.586	17.690	IV	52	1
Öttevény	47.729	17.487	IV	52	1
Rábapatona	47.630	17.487	V	50	1
Rábaszentmihály	47.578	17.435	I	0	1
Sokorópátka	47.486	17.705	III-IV	36	1
Szerecseny	47.461	17.565	I	0	1
Szilsárkány	47.540	17.258	I	0	1
Újrónafő	47.809	17.211	I	0	1
Vámosszabadi	47.756	17.654	I	0	1

Table 3.8:

Felt intensities of the earthquake of 2011.11.01 23:56:33 UTC

4. Regional and teleseismic earthquakes

In this chapter the phase and polarity data of the regional and teleseismic earthquakes recorded at the Hungarian seismological stations are reported. The data are listed in a similar way as in the case of local earthquakes (for the meaning of abbreviations see page 10). The source of focal parameters is the home page of the European–Mediterranean Seismological Centre (<http://www.emsc-csem.org/Earthquake/?view=65>).

January 01 2011 Hour: 01:56:06.0 Lat: 39.44°N Lon: 75.31°E M: 5.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		0203	48.18
CSKK	SZ	EP		0203	52.68
PKS7	SZ	EP		0203	48.07
PKSM	SZ	EP	D	0203	52.28
PKSN	SZ	EP	D	0203	45.17
PKST	SZ	EP	D	0203	53.42
SOP	SZ	EP	C	0204	00.54

January 01 2011 Hour: 02:48:02.0 Lat: 43.16°N Lon: 18.78°E M: 2.8 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EPn		0248	50.96
PKSM	SZ	EPg		0248	55.31
PKST	SZ	EPn	D	0249	06.27
PKST	SZ	EPg		0249	10.00
PKSM	SE	Sn		0249	29.60
PKST	SN	Sn		0249	54.11
PKST	SN	ESg		0250	18.41

January 01 2011 Hour: 09:56:57.0 Lat: 26.80°S Lon: 63.19°W M: 6.9 Depth: 565 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP	D	1009	53.34
SOP	SZ	ES		1014	13.73
TRPA	SZ	EP	D	1010	12.27
TRPA	SZ	ES		1014	42.79
PSZ	SZ	EP	D	1010	03.83
PSZ	SZ	ES		1014	30.12
PKST	SZ	EP		1009	58.21
PKST	SZ	ES		1014	21.18
PKSN	SZ	EP		1010	03.83
PKSN	SZ	ES		1014	19.69
PKSM	SZ	EP	D	1009	58.40
PKSM	SZ	ES		1014	15.97
PKS7	SZ	EP		1010	01.40
PKS7	SZ	ES		1014	04.05

PKS2 SZ EP C 1010 00.84
 PKS2 SZ ES 1014 08.52
 BUD XZ EP 1010 01.02
 BUD XZ ES 1014 18.95
 CSKK SZ EP 1009 58.77
 CSKK SZ ES 1014 14.48

January 02 2011 Hour: 04:18:22.0 Lat: 33.92°N Lon: 28.58°E M: 4.4 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0422 03.79

January 02 2011 Hour: 15:19:31.0 Lat: 4.52°S Lon: 101.36°E M: 5.7 Depth: 25 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 1532 20.24
 TRPA SZ EP C 1532 08.98
 PSZ SZ EP 1532 18.85
 PSZ SZ EPP 1535 44.54
 PKSM SN ES 1543 04.00
 PSZ SE ES 1543 01.13
 TRPA SN ES 1543 00.51

January 02 2011 Hour: 20:20:19.0 Lat: 38.26°S Lon: 73.36°W M: 7.1 Depth: 33 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 2039 02.27
 PKSM SZ IP 2040 14.43
 PKSM SZ ES 2050 10.46
 PSZ SZ EP C 2039 02.44
 PSZ SZ IP 2040 26.28
 PSZ SZ ES 2050 11.37
 TRPA SZ EP C 2039 08.55
 TRPA SZ IP 2040 31.81
 TRPA SZ ES 2050 27.83

January 03 2011 Hour: 22:57:49.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 2259 13.54
 PSZ SN ESg 2259 17.41

January 04 2011 Hour: 06:06:04.0 Lat: 51.98°S Lon: 139.59°E M: 5.1 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PKSM SZ IP C 0613 45.72
 PSZ SZ IP C 0613 41.25
 SOP SZ IP C 0613 44.19
 TRPA SZ IP C 0613 37.16

January 05 2011 Hour: 00:57:30.0 Lat: 31.58°N Lon: 142.21°E M: 5.8 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PKS7 SZ EP C 0110 13.50
 PKST SZ EP 0110 14.42
 SOP SZ EP D 0110 16.88
 SOP SZ EPP 0113 40.73
 TRPA SN ES 0120 22.47
 SOP SE ES 0120 53.49

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ	SN	ES		0120	43.50
PKSM	SE	ES		0120	51.38
TRPA	SZ	EP	D	0110	01.30
TRPA	SZ	EPP		0113	15.38
BUD	XZ	EP	D	0110	11.50
PKSM	SZ	EP	D	0110	16.42
PKSM	SZ	EPP		0113	35.80
PSZ	SZ	EP	D	0110	08.58
PSZ	SZ	IP		0113	19.54

January 05 2011 Hour: 05:55:47.0 Lat: 30.22°N Lon: 51.73°E M: 5.3 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP		0601	58.43
PKSM	SZ	EP	D	0602	01.04
SOP	SZ	EP		0602	15.78
TRPA	SZ	EP	D	0601	45.95
PKSM	SN	ES		0606	58.94
TRPA	SN	ES		0606	47.85
CSKK	SN	ES		0607	08.55
CSKK	SZ	EP		0602	06.03
TRPA	SE	EPP		0602	39.36
PSZ	SE	ES		0607	27.79
PSZ	SE	EPP		0602	51.06

January 05 2011 Hour: 06:46:16.0 Lat: 22.34°S Lon: 171.64°E M: 6.4 Depth: 129 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	IP	C	0705	35.37
TRPA	SZ	EPP		0708	49.23
SOP	SZ	IP	C	0705	45.19
SOP	SZ	EPP		0709	07.56
PSZ	SZ	IP	C	0705	39.98
PSZ	SZ	EPP		0708	59.70
PKST	SZ	IP		0705	41.99
PKST	SZ	EPP		0709	11.48
PKSM	SZ	IP	C	0705	44.79
PKSM	SZ	EPP		0709	09.52
CSKK	SZ	IP		0705	42.79
CSKK	SZ	EPP		0709	00.35
BUD	XZ	IP	C	0705	41.59
BUD	XZ	EPP		0709	05.59
PKS7	SZ	IP		0705	43.40
PKS7	SZ	EPP		0709	01.66

January 05 2011 Hour: 08:59:54.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EPg		0901	12.90
TRPA	SE	ESg		0901	13.87

January 05 2011 Hour: 08:59:54.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EPg		0901	19.91
TRPA	SE	ESg		0901	20.76

January 05 2011 Hour: 23:40:49.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		2342	03.86
PSZ	SN	Sn		2342	09.84
PKSM	SZ	EPn		2342	38.01
PKSM	SN	Sn		2343	03.53

January 07 2011 Hour: 01:19:25.0 Lat: 20.19°N Lon: 45.73°W M: 5.2 Depth: 80 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP		0129	00.61
PKSM	SZ	EP	C	0129	09.98

January 07 2011 Hour: 02:26:27.0 Lat: 43.16°N Lon: 18.77°E M: 3.1 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EPg		0227	17.41
PKSM	SZ	EPn		0227	14.76
PKSM	SE	Sn		0227	20.11

January 07 2011 Hour: 05:55:13.0 Lat: 19.91°S Lon: 168.28°E M: 5.1 Depth: 80 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0614	37.30

January 07 2011 Hour: 19:09:12.0 Lat: 12.92°S Lon: 168.24°E M: 5.3 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	D	1928	38.18

January 07 2011 Hour: 23:13:06.0 Lat: 19.88°S Lon: 173.72°W M: 5.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		2333	01.05
CSKK	SZ	EP		2332	59.60
PKSM	SZ	EP		2333	02.17
PSZ	SZ	EP		2332	58.25
TRPA	SZ	EP		2332	55.46

January 08 2011 Hour: 00:24:26.0 Lat: 30.39°N Lon: 51.67°E M: 5.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0030	39.25
PKSM	SN	ES		0035	22.94
SOP	SZ	EP		0030	55.37
SOP	SZ	ES		0035	43.19

January 09 2011 Hour: 10:03:45.0 Lat: 19.16°S Lon: 168.37°E M: 6.5 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP		1023	12.47
SOP	SZ	EP	D	1023	13.55
TRPA	SN	ESS		1044	18.11
SOP	SN	ESS		1045	18.18
PKSM	SN	ESS		1044	34.12
TRPA	SZ	EP		1023	03.94
TRPA	SZ	EPP		1026	01.71
PKSM	SZ	EP		1023	12.63
PKSM	SZ	EPP		1025	52.36
PSZ	SN	ESS		1044	42.13

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ SN EPP 1025 35.32
 BUD XZ EP 1023 09.71
 BUD XZ EPP 1025 50.71

January 09 2011 Hour: 17:21:55.0 Lat: 19.21°S Lon: 168.23°E M: 6.2 Depth: 30 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP 1741 22.43

January 09 2011 Hour: 18:21:12.0 Lat: 19.28°S Lon: 168.15°E M: .5 Depth: 40 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP 1840 21.45

January 10 2011 Hour: 02:30:31.5 Lat: 19.42°S Lon: 176.01°W M: 5.4 Depth: 180 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP D 0230 31.68
 CSKK SZ EP 0230 31.55
 PKS7 SZ EP 0230 32.39
 PKSM SZ EP D 0230 34.26
 PKST SZ EP D 0230 32.45
 PSZ SZ EP D 0230 30.19
 SOP SZ EP D 0230 33.17
 TRPA SZ EP D 0230 27.03

January 11 2011 Hour: 09:16:11.0 Lat: 13.16°S Lon: 167.21°E M: 5.5 Depth: 234 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 0935 07.54
 PSZ SZ EP C 0935 04.27

January 11 2011 Hour: 22:44:33.0 Lat: 50.27°N Lon: 18.82°E M: 3.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
 CSKK SN Sn 2245 55.29
 PKST SN Sn 2245 58.01
 PSZ SZ EPn 2245 14.50
 PSZ SN Sn 2245 44.62
 PSZ SN ESg 2245 53.62
 CSKK SZ EPn 2245 20.52
 CSKK SZ EPg 2245 28.99
 PKST SZ EPn C 2245 22.30
 PKST SZ EPg 2245 30.84

January 12 2011 Hour: 21:32:54.0 Lat: 27.00°N Lon: 139.92°E M: 5.6 Depth: 523 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP D 2144 53.08
 CSKK SZ EP C 2144 55.34
 PKS7 SZ EP C 2144 54.61
 PKSM SZ EP D 2144 57.31
 PKSN SZ EP C 2144 53.52
 PKST SZ EP C 2144 56.22
 PSZ SZ EP D 2144 49.64
 SOP SZ EP D 2144 58.40
 TRPA SZ EP D 2144 42.71
 CSKK SE ES 2154 50.41
 PKS7 SN ES 2154 58.68

PKSN	SN	ES	2154	34.80
PKST	SN	ES	2154	34.34
PSZ	SN	ES	2154	43.98
TRPA	SN	ES	2154	32.50
PKSM	SN	ES	2154	59.14
PKSM	SN	ESS	2201	21.73
SOP	SN	ES	2155	00.97
SOP	SN	ESS	2201	14.99

January 13 2011 Hour: 12:21:50.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EPn		1222	59.70
PSZ	SZ	EPn		1223	19.05
PKSM	SN	Sn		1223	45.85
PSZ	SN	Sn		1224	08.60

January 13 2011 Hour: 16:16:41.0 Lat: 20.86°S Lon: 168.60°E M: 7.0 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	D	1637	09.27
CSKK	SZ	EP		1636	16.08
PKS7	SZ	EP		1636	15.12
PKSM	SZ	EP		1636	17.68
PKSN	SZ	EP		1636	14.48
PKST	SZ	EP		1636	16.72
PSZ	SZ	EP	D	1636	10.96
SOP	SZ	EP		1636	18.48
BEHE	SN	EP		1636	23.06
TRPA	SZ	EP		1636	07.27
TRPA	SZ	EPP		1639	12.34

January 13 2011 Hour: 16:43:11.0 Lat: 20.57°S Lon: 168.47°E M: 5.9 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	1702	38.01
SOP	SZ	EP	D	1702	43.80

January 13 2011 Hour: 17:26:06.0 Lat: 20.53°S Lon: 168.61°E M: 5.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		1745	40.53

January 13 2011 Hour: 21:38:57.0 Lat: 35.48°N Lon: 22.79°E M: 3.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EPn		2141	36.33
PKSM	SN	Sn		2143	41.98

January 13 2011 Hour: 21:32:43.0 Lat: 20.65°S Lon: 168.44°E M: 5.2 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		2152	13.47
SOP	SZ	EP	D	2152	14.36

January 13 2011 Hour: 23:04:01.0 Lat: 0.18°S Lon: 124.16°E M: 5.0 Depth: 86 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		2317	22.86

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

January 13 2011 Hour: 23:04:01.0 Lat: 0.18°S Lon: 124.16°E M: 5.0 Depth: 86 km
 STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 2324 15.91

January 14 2011 Hour: 02:22:45.0 Lat: 21.41°S Lon: 169.01°E M: 4.8 Depth: 200 km
 STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 0241 57.54

January 14 2011 Hour: 02:35:21.0 Lat: 20.74°S Lon: 168.49°E M: 5.3 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP 0254 49.83
 PKSM SZ EP D 0254 51.09
 PKST SZ EP 0254 50.32
 SOP SZ EP D 0254 54.27

January 14 2011 Hour: 08:58:31.0 Lat: 20.73°S Lon: 168.55°E M: 5.1 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 0918 07.38

January 14 2011 Hour: 20:44:09.0 Lat: 20.49°S Lon: 169.38°E M: 5.0 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 2103 39.69

January 14 2011 Hour: 22:48:48.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 2250 47.27

January 15 2011 Hour: 00:24:25.0 Lat: 14.44°N Lon: 18.96°W M: 4.5 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 0029 38.74

January 15 2011 Hour: 01:39:54.0 Lat: 20.70°S Lon: 168.50°E M: 5.3 Depth: 32 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP C 0159 24.77
 PKSM SZ EP D 0159 26.14
 PKST SZ EP D 0159 25.14
 SOP SZ EP D 0159 27.15

January 15 2011 Hour: 11:23:54.0 Lat: 2.41°N Lon: 96.30°E M: 5.8 Depth: 30 km
 STAT CO PHASE P HRMM SECON
 SOP SZ EP C 1136 08.83
 PKSM SZ EP D 1135 59.51
 TRPA SZ EP D 1135 47.30
 PKSM SN ES 1145 52.53
 SOP SE ES 1146 13.16
 TRPA SN ES 1146 28.25

January 15 2011 Hour: 16:26:11.0 Lat: 2.49°N Lon: 96.42°E M: 5.5 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 1638 13.19
 PSZ SZ EP C 1638 10.46

January 15 2011 Hour: 18:53:55.0 Lat: 17.03°S Lon: 174.46°W M: 5.1 Depth: 80 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 1913 32.56
 SOP SZ EP D 1913 31.52

January 15 2011 Hour: 20:00:57.0 Lat: 20.56°S Lon: 168.66°E M: 5.3 Depth: 20 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 2020 32.12
 SOP SZ EP D 2020 33.07

January 16 2011 Hour: 11:59:53.0 Lat: 6.57°S Lon: 129.06°E M: 5.3 Depth: 222 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 1226 33.51

January 16 2011 Hour: 17:34:46.0 Lat: 20.87°S Lon: 168.25°E M: 5.3 Depth: 33 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 1754 17.59

January 16 2011 Hour: 18:42:15.0 Lat: 20.43°S Lon: 174.25°W M: 5.4 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 1902 10.10
 PSZ SZ EP C 1902 06.18

January 17 2011 Hour: 01:35:32.0 Lat: 20.97°S Lon: 11.57°W M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP D 0146 57.88
 SOP SZ EP D 0147 01.40

January 17 2011 Hour: 19:20:56.0 Lat: 5.12°S Lon: 102.55°E M: 6.0 Depth: 28 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 1933 50.71
 CSKK SZ EP C 1933 53.29
 PKSN SZ EP C 1933 48.23
 PKST SZ EP C 1933 53.80
 PSZ SZ EP C 1933 48.43
 PSZ SZ IP 1937 09.79
 PKS7 SZ EP C 1933 50.36
 PKS7 SZ EPP 1937 17.18
 PSZ SN ES 1944 32.30
 PKSN SN ES 1944 32.30
 PKST SN ES 1944 43.67
 SOP SN ES 1944 53.76
 TRPA SN ES 1944 18.21
 PKSM SZ EP C 1933 51.14
 PKSM SZ ES 1944 36.71
 PKSM SZ EPP 1937 20.03
 CSKK SN ES 1944 42.47
 PKS7 SN ES 1944 38.87
 SOP SZ EP C 1933 58.23
 SOP SZ EPP 1937 30.71
 TRPA SZ EP C 1933 40.11
 TRPA SZ EPP 1937 04.30

January 18 2011 Hour: 11:33:43.0 Lat: 2.67°N Lon: 96.34°E M: 5.7 Depth: 10 km

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1145	58.82
BUD	XZ	EP	C	1145	50.86
CSKK	SZ	EP		1145	54.20
PKS2	SZ	EP		1145	53.68
PKSG	SZ	EP	D	1145	53.75
PKST	SZ	EP	D	1145	55.03
SOP	SZ	EP	C	1145	59.78
SOP	SN	ES		1156	04.47
PSZ	SN	ES		1155	42.69
TRPA	SZ	EP	C	1145	38.92
TRPA	SZ	ES		1155	15.02
TRPA	SZ	EPP		1148	36.33
PKSM	SZ	EP	C	1145	51.24
PKSM	SZ	ES		1155	39.06
PKSM	SZ	EPP	D	1148	58.12
PSZ	SZ	EP	C	1145	48.10
PSZ	SZ	EPP		1148	56.58

January 18 2011 Hour: 11:33:43.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		1207	21.41
PSZ	SE	ESg		1207	27.12

January 18 2011 Hour: 20:23:25.0 Lat: 28.81°N Lon: 63.97°E M: 7.2 Depth: 80 km

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EP		2030	49.94
PKSG	SZ	ES		2036	41.71
PKS7	SZ	EP		2030	45.26
PKS7	SZ	ES		2036	36.32
CSKK	SZ	EP		2030	50.53
CSKK	SZ	ES		2036	40.63
PSZ	SZ	EP		2030	43.06
PSZ	SZ	ES		2036	33.09
PSZ	SZ	EPP		2032	16.51
SOP	SZ	EP		2030	59.95
SOP	SZ	ES		2036	46.03
SOP	SZ	EPP		2032	49.93
PKST	SZ	EP		2030	51.40
PKST	SZ	ES		2036	43.87
PKST	SZ	EPP		2032	35.91
PKSN	SZ	EP		2030	41.49
PKSN	SZ	ES		2036	40.63
PKSN	SZ	EPP		2032	22.98
PKSM	SZ	EP		2030	46.50
PKSM	SZ	ES		2036	40.63
PKSM	SZ	EPP		2032	28.27
BUD	XZ	EP	C	2030	48.77
BUD	XZ	ES		2036	34.17
BUD	XZ	EPP		2032	30.82
BEHE	SZ	EP		2030	58.63
BEHE	SZ	ES		2036	43.87
BEHE	SZ	EPP		2032	56.70

TRPA SZ EP	2030 29.71
TRPA SZ ES	2036 11.53
TRPA SZ EPP	2031 59.26
PSZ SN ESS	2039 52.72
SOP SN ESS	2040 24.72
TRPA SN ESS	2039 13.62

January 18 2011 Hour: 20:32:31.0 Lat: 28.82°N Lon: 63.98°E M: 4.6 Depth: 80 km

STAT CO PHASE	P	HRMM	SECON
BEHE SZ EP		2040	28.57
CSKK SZ EP		2040	49.02

January 19 2011 Hour: 03:47:03.0 Lat: 39.42°N Lon: 72.11°E M: 5.0 Depth: 10 km

STAT CO PHASE	P	HRMM	SECON
PKSM SZ EP		0354	32.29
PSZ SZ EP		0354	23.66
TRPA SZ EP	D	0354	07.81

January 19 2011 Hour: 09:17:49.0 Lat: 42.01°N Lon: 42.60°E M: 5.3 Depth: 2 km

STAT CO PHASE	P	HRMM	SECON
BEHE SZ EP	C	0922	12.42
PKSG SZ EP		0922	00.35
SOP SZ EP	C	0922	16.25
PKSM SZ EP	C	0921	56.51
TRPA SZ EP		0921	25.43
TRPA SN ES		0924	18.98
SOP SN ES		0925	51.25
PKSM SN ES		0925	14.14
PKSG SN ES		0925	22.17
BEHE SN ES		0925	49.54

January 19 2011 Hour: 09:43:49.0 Lat: Lon: M: Depth:

STAT CO PHASE	P	HRMM	SECON
PSZ SZ EPg		0945	48.56
PSZ SN ESg		0945	55.51
PSZ SN Lg		0946	18.43

January 20 2011 Hour: 10:47:47.0 Lat: Lon: M: Depth:

STAT CO PHASE	P	HRMM	SECON
PSZ SZ EP		1048	17.65
PSZ SN ESg		1048	22.94

January 20 2011 Hour: 11:39:38.0 Lat: 39.56°N Lon: 23.51°E M: 4.1 Depth: 10 km

STAT CO PHASE	P	HRMM	SECON
PKSM SZ EPg		1141	27.15
PKSM SN ESg		1142	56.31

January 20 2011 Hour: 15:20:06.0 Lat: 43.15°N Lon: 18.73°E M: 3.1 Depth: 2 km

STAT CO PHASE	P	HRMM	SECON
PKSG SZ EPn		1521	11.43
PKSM SZ EPn	C	1520	53.34
PKST SZ EPn		1521	08.62
PKSM SN ESg		1521	46.39

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKSM	SN	Sn	1521	29.92
PKSG	SN	ESg	1522	26.05
PKSG	SN	Sn	1521	58.45
PKST	SN	ESg	1522	21.39
PKST	SN	Sn	1521	57.74
PSZ	SZ	EPn	1521	19.89
PSZ	SN	Sn	1522	15.60

January 22 2011 Hour: 00:48:46.0 Lat: 43.17°N Lon: 18.82°E M: 3.9 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		0049	42.14
BUD	XZ	EPn		0049	51.19
CSKK	SZ	EPn		0049	50.48
PKS7	SZ	EPn		0049	45.95
PKSG	SZ	EPn		0049	50.24
PKSM	SZ	EPn		0049	33.57
PKSN	SZ	EPn		0049	46.43
PKST	SZ	EPn		0049	49.05
PSZ	SZ	EPn		0049	59.77
SOP	SZ	EPn		0049	57.39
PKST	SN	Sn		0050	38.35
SOP	SN	Sn		0050	53.35
PKSG	SN	Sn		0050	40.02
BEHE	SN	Sn		0050	26.95
PSZ	SN	Sn		0050	52.22
PKSN	SN	Sn		0050	31.63
PKSM	SN	Sn		0050	10.81
PKS7	SN	Sn		0050	31.55
CSKK	SN	Sn		0050	41.33
BUD	XN	Sn		0050	44.72

January 22 2011 Hour: 01:02:03.0 Lat: 43.14°N Lon: 18.76°E M: 3.3 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EPn		0103	09.23
PKSM	SZ	EPn		0102	53.20
PKST	SZ	EPn		0103	05.88
SOP	SZ	EPn		0103	17.60
PKS7	SZ	EPn		0103	03.87
PSZ	SZ	EPn		0103	17.12
SOP	SN	Sn		0104	10.76
PKST	SN	Sn		0103	55.39
PKSN	SN	Sn		0103	49.43
PKSN	SZ	EPn		0103	02.81
PKSM	SN	Sn		0103	28.37
PKSG	SN	Sn		0103	58.70
PKS7	SN	Sn		0103	50.63
PSZ	SE	Sn		0104	10.37
PKSM	SE	ESg		0103	41.39

January 23 2011 Hour: 09:24:10.0 Lat: 51.63°N Lon: 16.18°E M: 3.4 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SN	Sn		0926	47.49
PKSM	SZ	EPn		0925	35.58

January 23 2011 Hour: 19:15:39.0 Lat: 20.29°S Lon: 176.24°W M: 5.9 Depth: 200 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1935	09.83
BUD	XZ	EP	D	1935	05.78
CSKK	SZ	EP		1935	06.56
PKS7	SZ	EP	C	1935	07.51
PKSG	SZ	EP	D	1935	06.44
PKSM	SZ	EP	D	1935	08.64
PKSN	SZ	EP		1935	06.68
PKST	SZ	EP	D	1935	06.68
PSZ	SZ	EP	D	1935	04.12
SOP	SZ	EP	D	1935	07.45
TRPA	SZ	EP	D	1935	01.44

January 24 2011 Hour: 01:02:06.0 Lat: 19.14°S Lon: 173.61°W M: 5.6 Depth: 42 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0121	47.85
PSZ	SZ	EP		0121	49.32
SOP	SZ	EP		0121	54.58

January 24 2011 Hour: 01:26:38.0 Lat: 43.17°N Lon: 18.76°E M: 4.3 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn	C	0127	34.81
BEHE	SN	Sn		0128	17.83
BUD	XZ	EPn	C	0127	43.95
BUD	XE	Sn		0128	29.61
CSKK	SZ	EPn	C	0127	43.42
CSKK	SE	Sn		0128	31.32
PKS7	SZ	EPn	C	0127	38.24
PKS7	SE	Sn		0128	22.23
PKSG	SZ	EPn		0127	42.51
PKSG	SZ	IPg	C	0127	43.03
PKSG	SN	Sn		0128	32.60
PKSG	SE	Sn		0128	31.84
PKSM	SZ	EPn		0127	25.87
PKSM	SZ	IPg	D	0127	26.45
PKSM	SZ	EPg		0127	35.79
PKSM	SN	Sn		0128	01.02
PKSN	SZ	EPn	C	0127	37.08
PKSN	SN	Sn		0128	29.59
PKSN	SN	ESg		0128	45.68
PKST	SZ	EPn		0127	41.73
PKST	SN	Sn		0128	29.27
PSZ	SZ	EPn	D	0127	50.71
PSZ	SZ	ESg		0128	10.19
PSZ	SN	ESg		0129	15.84
PSZ	SN	Sn		0128	44.64
SOP	SZ	EPn	D	0127	50.47
SOP	SZ	EPg		0128	09.73
SOP	SE	Sn		0128	43.28
SOP	SE	ESg		0129	12.71
TRPA	SZ	EPn		0128	02.70

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

TRPA SN Sn 0128 57.68

January 24 2011 Hour: 01:40:51.1 Lat: 43.07°N Lon: 18.68°E M: 2.1 Depth: 1 km

STAT CO PHASE P HRMM SECON
 PKSM SN Sn 0142 17.29
 PKSM SN ESg 0142 34.04
 PKSM SZ EPn 0141 39.58

January 24 2011 Hour: 02:45:28.0 Lat: 38.46°N Lon: 72.82°E M: 6.0 Depth: 80 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 0252 58.10
 PKS7 SZ EP 0252 53.15
 PKSG SZ EP 0252 56.98
 PKSM SZ EP D 0252 56.98
 PKSN SZ EP C 0252 50.67
 SOP SZ EP D 0253 06.32
 TRPA SZ EP D 0252 33.00
 PSZ SZ EP D 0252 48.08
 BUD XZ EP D 0252 52.47
 BEHE SZ EP 0253 06.88
 PKS7 SE EPP 0025 034.3
 PSZ SE EPP 0254 23.33
 SOP SN EPP 0254 49.01
 SOP SN ES 0302 27.20
 BUD XN EPP 0254 35.34
 BUD XN ESS 0301 51.91
 BEHE SN ESS 0302 27.99
 PKSG SE ESS 0302 02.89
 PKSM SN EPP 0254 36.56
 PKSM SN ESS 0301 54.66
 PSZ SN ESS 0301 45.25
 TRPA SN ESS 0301 07.99

January 24 2011 Hour: 22:05:42.0 Lat: 49.76°N Lon: 18.53°E M: 2.5 Depth: 2 km

STAT CO PHASE P HRMM SECON
 CSKK SN Sn 2206 52.74
 PSZ SZ EPn 2206 18.98
 PKSG SZ Sn 2206 52.02
 PKSG SZ EPn 2206 22.19
 PSZ SN Sn 2206 45.88
 PSZ SN ESg 2206 51.65
 CSKK SZ EPn 2206 22.62
 CSKK SZ EPg 2206 28.12

January 25 2011 Hour: 03:56:56.0 Lat: 43.19°N Lon: 18.75°E M: 3.1 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn C 0357 52.68
 BEHE SN Sn 0358 34.13
 CSKK SZ EPn 0358 01.20
 CSKK SN Sn 0358 48.67
 CSKK SN EPn D 0358 00.74
 PKSG SZ EPn D 0358 00.69
 PKSG SN Sn 0358 50.90

PKSM	SZ	EPn	C	0357	43.96
PKSM	SZ	EPg		0357	53.71
PKSM	SN	Sn		0358	20.59
PKST	SZ	EPn	D	0357	59.25
PKST	SN	Sn		0358	46.25
PSZ	SZ	EPn		0358	08.93
PSZ	SE	Sn		0359	01.80
SOP	SZ	EPn		0358	08.04
SOP	SN	Sn	D	0359	01.80
PKSM	SE	ESg		0358	35.39
PKSG	SE	ESg		0359	13.12

January 25 2011 Hour: 05:24:42.5 Lat: 35.22°N Lon: 141.01°E M: 5.6 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0537	12.74
CSKK	SZ	EP	D	0537	06.22
PKSM	SZ	IP	C	0537	08.85
PKSG	SZ	EP	C	0537	05.17
PKSG	SZ	IP		0537	04.96
PSZ	SZ	IP	C	0536	59.91
SOP	SZ	IP	C	0537	09.06
TRPA	SZ	IP	C	0536	52.44

January 25 2011 Hour: 13:18:12.0 Lat: 30.15°S Lon: 177.81°W M: 5.8 Depth: 52 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	C	1338	02.73

January 25 2011 Hour: 23:57:27.0 Lat: 19.01°S Lon: 67.39°E M: 5.1 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		2409	34.49
PKSG	SZ	EP		2409	34.30
PKSM	SZ	EP	C	2409	29.18
SOP	SZ	EP	C	2409	40.37

January 26 2011 Hour: 01:27:09.0 Lat: 43.19°N Lon: 18.79°E M: 3.2 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn	C	0128	05.94
BEHE	SN	Sn		0128	49.04
CSKK	SZ	EPn		0128	14.47
CSKK	SN	Sn		0129	03.32
PKSG	SZ	EPn		0128	14.32
PKSG	SZ	EPg		0128	28.77
PKSG	SN	Sn		0129	02.96
PKSM	SZ	EPn		0127	57.43
PKSM	SN	Sn		0128	32.31
PKST	SZ	EPn	C	0128	12.95
PKST	SN	Sn		0129	01.38
PSZ	SZ	EPn		0128	21.90
PSZ	SN	Sn		0129	14.07
SOP	SZ	EPn		0128	22.08
SOP	SN	Sn		0129	16.29

January 26 2011 Hour: 15:42:30.0 Lat: 2.21°N Lon: 96.84°E M: 6.0 Depth: 22 km

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EP		1554	41.13
PKSM	SZ	EP		1554	39.33
PSZ	SZ	EP		1554	36.69
TRPA	SZ	EP		1554	29.29
PKSM	SN	IS		1604	21.67
PSZ	SN	IS		1604	13.65
TRPA	SN	IS		1604	09.63
PKSG	SN	IS		1605	05.82

January 26 2011 Hour: 17:03:31.0 Lat: 11.01°S Lon: 166.34°E M: 5.7 Depth: 156 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	D	1722	33.39
PSZ	SZ	EP	C	1722	28.48
PSZ	SZ	EPP		1725	32.97
PKST	SZ	EP		1722	31.26
PKST	SZ	EPP		1725	43.59

January 27 2011 Hour: 00:59:43.0 Lat: 15.52°S Lon: 173.18°W M: 5.6 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	ES	C	0119	16.60
SOP	SZ	ES		0119	19.96
TRPA	SZ	ES		0119	13.24
PKST	SZ	ES		0119	19.36
PKSM	SZ	ES		0119	21.64
PKSG	SZ	ES		0119	18.28
CSKK	SZ	ES		0119	18.88
BUD	XZ	ES		0119	18.65

January 27 2011 Hour: 08:38:29.0 Lat: 28.26°N Lon: 59.01°E M: 6.0 Depth: 12 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D	0845	44.17
BUD	XZ	EP	D	0845	33.81
PKSM	SZ	EP	C	0845	31.84
PSZ	SZ	EP	D	0845	29.86
SOP	SZ	EP	D	0845	47.63
TRPA	SZ	EP	D	0845	16.54
CSKK	SZ	EP		0845	37.43
CSKK	SZ	IS		0850	36.04
PKSG	SZ	EP		0845	36.61
PKSG	SZ	IS		0850	33.96
PKST	SZ	EP		0845	38.09
PKST	SZ	IS		0850	32.78

January 27 2011 Hour: 11:24:52.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP _n	D	1125	29.42
PKSM	SE	Sn		1126	05.90

January 28 2011 Hour: 12:37:20.0 Lat: 21.40°S Lon: 178.70°W M: 5.2 Depth: 581 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	IP	C	1256	07.02
CSKK	SZ	EPP		1259	41.09

PKS6	SZ	IP		1256	07.13
PKS6	SZ	EPP		1259	41.76
PKS7	SZ	IP		1256	06.80
PKS7	SZ	EPP		1259	41.50
TRPA	SZ	IP	D	1256	01.33
TRPA	SZ	EPP	D	1259	35.44
PSZ	SZ	IP	D	1256	04.56
PSZ	SZ	EPP	D	1259	38.60
PKST	SZ	IP	D	1256	06.87
PKST	SZ	EPP		1259	41.14
PKSM	SZ	IP	D	1256	08.64
PKSM	SZ	EPP		1259	42.90
PKSG	SZ	IP	D	1256	06.41
PKSG	SZ	EPP	D	1259	40.67

January 29 2011 Hour: 02:41:20.0 Lat: 17.77°S Lon: 178.09°W M: 4.9 Depth: 604 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	D	0259	54.61
SOP	SZ	EP	D	0259	58.27
PKST	SZ	EP	D	0259	57.29
PKSM	SZ	EP	D	0259	59.05
BUD	XZ	EP	D	0259	56.62
CSKK	SZ	EP		0259	57.21
PKS7	SZ	EP	D	0259	57.43
PKSG	SZ	EP	D	0259	56.84

January 29 2011 Hour: 06:57:53.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SE	ESg		0659	23.34
BEHE	SZ	EPg	C	0659	22.40

January 29 2011 Hour: 06:55:25.0 Lat: 70.95°N Lon: 6.75°W M: 6.2 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0701	09.88
BEHE	SZ	ES		0706	09.97
BUD	XZ	EP	C	0701	04.70
BUD	XZ	ES		0706	00.30
CSKK	SZ	EP	C	0701	03.92
CSKK	SZ	ES		0705	58.49
PKS7	SZ	EP		0701	06.61
PKS7	SZ	ES		0706	14.21
PKSG	SZ	EP	C	0701	03.92
PKSG	SZ	ES		0706	15.42
PKSM	SZ	EP	C	0701	14.15
PKSM	SZ	ES		0706	11.79
PKSN	SZ	EP	C	0701	11.90
PKSN	SZ	ES		0706	05.14
PKST	SZ	EP	C	0701	04.25
PKST	SZ	ES		0706	00.30
PSZ	SZ	EP	C	0701	03.13
PSZ	SZ	ES		0705	56.68
SOP	SZ	EP	C	0700	58.18
SOP	SZ	ES		0705	48.21

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

TRPA SZ EP 0701 05.94
 TRPA SZ ES 0705 56.07

January 31 2011 Hour: 03:12:21.0 Lat: 43.17°N Lon: 18.76°E M: 3.5 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPn		0313	25.64
PKSG	SZ	EPn		0313	25.64
PSZ	SZ	EPn		0313	34.52
SOP	SZ	EPn		0313	35.39
TRPA	SZ	EPn		0313	44.93
CSKK	SE	Sn		0314	14.62
PKSG	SN	Sn		0314	13.97
PKSM	SN	Sn		0313	44.28
PKST	SE	Sn		0314	12.88
PSZ	SE	Sn		0314	30.00
SOP	SN	Sn		0314	29.14
TRPA	SE	Sn	D	0314	51.72
PKSN	SE	Sn		0314	07.15
PKSN	SZ	EPn		0313	18.78
PKS7	SN	Sn		0314	09.69
BEHE	SN	Sn		0314	02.39
PKS7	SZ	EPn	D	0313	20.73
PKSM	SZ	EPn		0313	08.47
PKST	SZ	EPn	D	0313	23.83
BEHE	SZ	EPn	C	0313	17.15

January 31 2011 Hour: 22:38:48.0 Lat: 49.80°N Lon: 18.84°E M: 3.1 Depth: 15 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn	C	2239	45.83
BEHE	SN	Sn		2240	25.62
CSKK	SZ	EPn	C	2239	29.46
CSKK	SN	Sn		2239	58.57
PKS7	SZ	EPn		2239	30.47
PKS7	SN	Sn		2240	06.86
PKSG	SZ	EPn		2239	28.78
PKSG	SZ	EPg		2239	34.71
PKSG	SN	Sn		2240	03.05
PKSM	SZ	EPn		2239	44.85
PKSM	SN	Sn		2240	28.69
PKSN	SZ	EPn		2239	48.06
PKSN	SN	Sn		2240	18.24
PKST	SZ	EPn	C	2239	31.17
PKST	SZ	EPg		2239	37.73
PSZ	SZ	EPn		2239	26.21
SOP	SZ	EPn		2239	30.10
SOP	SN	Sn		2240	06.71
TRPA	SZ	EPn		2239	35.87
TRPA	SN	Sn	D	2240	13.13
PKST	SN	Sn		2240	04.22

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

February 02 2011 Hour: 00:38:17.0 Lat: 55.12°N Lon: 160.55°W M: 6.0 Depth: 35 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	IP	C	0050	17.89
BUD	XZ	IP	C	0050	12.38
CSKK	SZ	IP		0050	12.75
PKS7	SZ	IP		0050	15.00
PKSG	SZ	IP		0050	12.54
PKSM	SZ	IP	C	0050	18.85
PKSN	SZ	IP		0050	16.07
PKST	SZ	IP		0050	13.23
PSZ	SZ	IP	C	0050	09.65
SOP	SZ	IP	C	0050	10.93
TRPA	SZ	IP	C	0050	08.26

February 04 2011 Hour: 13:53:47.0 Lat: 24.64°N Lon: 94.72°E M: 6.4 Depth: 92 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	IP	C	1404	14.70
BUD	XZ	IP		1404	03.30
CSKK	SZ	EP		1404	06.45
PKS2	SZ	EP		1404	03.62
PKS6	SZ	EP		1404	01.89
PKS7	SZ	EP		1404	02.99
PKSG	SZ	EP		1404	06.05
PKSM	SZ	IP	C	1404	05.97
PKSN	SZ	EP		1404	00.47
PKST	SZ	IP		1404	07.47
PSZ	SZ	IP	C	1403	59.06
SOP	SZ	IP	C	1404	13.91
TRPA	SZ	IP	C	1403	47.27

February 05 2011 Hour: 09:27:40.1 Lat: 43.91°N Lon: 17.29°E M: 3.4 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn	C	0928	24.00
BEHE	SN	Sn		0928	51.53
CSKK	SZ	EPn	C	0928	36.59
CSKK	SN	Sn		0929	24.58
CSKK	SN	IPg		0929	17.70
PKSG	SZ	EPn	C	0928	37.02
PKSG	SN	Sn		0929	20.53
PKSM	SZ	EPn	D	0928	21.51
PKSM	SN	Sn		0928	52.76
PKSN	SZ	EPn		0928	33.76
PKSN	SN	Sn		0929	17.36
PKST	SZ	EPn		0928	34.66
PKST	SN	Sn		0929	11.71
PSZ	SZ	EPn		0928	47.55
PSZ	SN	Sn		0929	39.52
SOP	SZ	EPn	C	0928	40.37
SOP	SN	Sn		0929	25.95

February 06 2011 Hour: 01:06: Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EP	C	0138	16.26

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKST SZ EP C 0138 13.97

February 07 2011 Hour: 19:53:44.0 Lat: 7.14°S Lon: 155.26°E M: 6.4 Depth: 424 km

STAT	CO	PHASE	P	HRMM	SECON
PKSN	SZ	EP		2011	56.26
PKST	SZ	EP	C	2011	56.94
PKSG	SZ	EP	C	2011	56.49
PKS7	SZ	EP		2011	56.21
PKS6	SZ	EP	C	2011	56.72
PSZ	SZ	EP	C	2011	54.46
SOP	SZ	EP		2011	58.30
SOP	SZ	ESS		2030	15.17
TRPA	SZ	EP	C	2011	50.96
TRPA	SZ	ESS		2030	32.29
PKSM	SZ	EP		2011	56.15
PKSM	SZ	ESS		2030	30.05
PSZ	SN	ESS		2030	08.47

February 08 2011 Hour: 16:29:47.0 Lat: 43.96°N Lon: 17.36°E M: 4.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn	D	1630	29.34
BEHE	SZ	EPg		1630	35.67
BEHE	SN	Sn		1631	00.70
BEHE	SN	ESg		1631	11.16
BUD	XZ	EPn		1630	44.50
BUD	XN	Sn		1631	31.10
BUD	XN	ESg		1631	42.18
PKS6	SZ	EPn	C	1630	36.19
PKS6	SN	Sn	D	1631	14.36
PKS7	SZ	EPn	C	1630	39.96
PKS7	SN	Sn		1631	22.94
PKS7	SN	ESg		1631	37.62
PKSG	SZ	EPn	C	1630	42.50
PKSG	SN	Sn		1631	25.03
PKSG	SN	ESg		1631	42.34
PKSM	SZ	EPn	D	1630	27.03
PKSM	SZ	EPg		1630	33.33
PKSM	SN	Sn		1631	01.77
PKSM	SN	ESg		1631	09.83
PKSN	SZ	EPn	C	1630	41.29
PKSN	SN	Sn		1631	21.60
PKST	SZ	EPn	C	1630	40.24
PKST	SN	Sn		1631	20.26
PSZ	SZ	EPn	D	1630	53.24
PSZ	SN	Sn		1631	45.40
PSZ	SN	ESg		1632	11.51
SOP	SZ	EPn	D	1630	45.54
SOP	SN	Sn		1631	27.76
TRPA	SZ	EPn		1631	10.45
TRPA	SN	Sn		1632	15.53

February 08 2011 Hour: 16:42:46.0 Lat: 27.40°N Lon: 143.01°E M: 5.4 Depth: 51 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		1655	45.90
PSZ	SZ	EP		1655	37.99

February 09 2011 Hour: 00:45:20.0 Lat: 44.00°N Lon: 15.87°E M: Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn	C	0046	02.59
BEHE	SN	Sn		0046	35.58
PKSG	SZ	EPn	C	0046	19.49
PKSG	SE	Sn		0047	03.92
PKST	SZ	EPn	C	0046	16.40
PKST	SN	Sn		0046	58.88

February 10 2011 Hour: 14:39:28.0 Lat: 4.19°N Lon: 123.07°E M: 6.4 Depth: 524 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SN	ES		1504	25.57
PKS2	SE	ES		1504	20.30
PKS6	SE	ES		1504	18.65
PKSM	SN	ES		1504	19.97
PKSG	SN	ES		1504	19.97
PKSN	SN	ES		1504	19.97
PSZ	SN	ES		1504	13.70
SOP	SN	ES		1504	23.59
TRPA	SN	ES		1504	04.13
BEHE	SZ	EP	D	1452	07.23
BUD	XZ	EP		1451	39.78
PKS2	SZ	EP	C	1452	00.60
PKS6	SZ	EP		1451	59.66
PKSG	SZ	EP	C	1452	01.79
PKSM	SZ	EP	D	1452	02.50
PKSN	SZ	EP		1451	58.24
PSZ	SZ	EP	D	1451	56.82
SOP	SZ	EP	D	1452	07.47
TRPA	SZ	EP	D	1451	48.30

February 10 2011 Hour: 14:42:01.0 Lat: 4.16°N Lon: 123.07°E M: 6.5 Depth: 537 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	IP		1454	39.16
BUD	XZ	IP		1453	57.51
PKS2	SZ	IP		1454	31.83
PKS6	SZ	IP		1454	31.35
PKSG	SZ	IP		1454	33.96
PKSM	SZ	IP		1454	33.72
PKSN	SZ	IP		1454	31.12
PSZ	SZ	IP		1454	28.75
SOP	SZ	IP		1454	22.36
TRPA	SZ	IP		1454	19.99

February 11 2011 Hour: 01:29:27.0 Lat: 15.20°S Lon: 177.63°W M: 4.9 Depth: 362 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D	0148	26.05
PKSG	SZ	EP		0148	21.85

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKSM SZ EP D 0148 24.70
PKSN SZ EP 0148 22.18
PKST SZ EP C 0148 22.13
PSZ SZ EP D 0148 19.33
SOP SZ EP D 0148 23.44
TRPA SZ EP D 0148 15.09
BUD XZ EP D 0148 21.32
PKS6 SZ EP D 0148 23.15

February 11 2011 Hour: 17:56:57.0 Lat: 38.39°N Lon: 21.81°E M: 4.3 Depth: 5 km

STAT CO PHASE P HRMM SECON
PKSM SZ EPn 1758 57.29
PSZ SZ EPn 1759 18.71
PKSM SE Sn 1800 26.64
PSZ SE Sn 1801 03.78

February 12 2011 Hour: 11:10:38.0 Lat: 43.86°N Lon: 17.29°E M: 3.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
BEHE SZ EPn 1111 21.56
BEHE SN Sn 1111 55.32
PKSG SZ EPn C 1111 34.58
PKSG SN Sn 1112 17.98
PKSM SZ EPn 1111 19.11
PKSM SN Sn 1111 52.79
PKST SZ EPn 1111 32.05
PKST SN Sn 1112 14.01
PSZ SZ EPn 1111 45.16
PSZ SZ Sn 1112 37.79
SOP SZ EPn 1111 37.48
SOP SN Sn 1112 22.30

February 12 2011 Hour: 17:57:57.0 Lat: 20.82°S Lon: 175.64°W M: 6.1 Depth: 90 km

STAT CO PHASE P HRMM SECON
BEHE SZ EP D 1817 34.70
BUD XZ EP D 1817 38.99
PKS6 SZ EP 1817 34.89
PKSG SZ EP 1817 33.27
PKSN SZ EP C 1817 34.38
PKSM SZ EP D 1817 34.38
PKST SZ EP C 1817 33.80
PSZ SZ EP 1817 32.00
SOP SZ EP D 1817 33.72
TRPA SZ EP D 1817 34.38

February 14 2011 Hour: 12:43:11.0 Lat: 50.38°N Lon: 7.75°E M: 4.5 Depth: 6 km

STAT CO PHASE P HRMM SECON
PKSM SN Sn 1246 37.65
SOP SN ESg 1246 34.86
SOP SN Sn 1245 59.44
PKSM SE Sn 1246 40.23
PSZ SN Sn 1246 49.60
PSZ SE ESg 1247 40.05
BEHE SN Sn 1246 25.79

BEHE	SN	ESg	1247	07.42
BEHE	SZ	EPn	C 1244	57.21
PKSM	SZ	EPn	C 1245	13.41
PSZ	SZ	EPn	1245	12.54
SOP	SZ	EPn	1244	44.64

February 15 2011 Hour: 19:01:00.0 Lat: 38.79°N Lon: 143.22°E M: 5.5 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP	D	1913	30.50
PSZ	SZ	EP		1913	14.18
PKSM	SZ	EP		1913	21.96

February 15 2011 Hour: 19:06:58.0 Lat: 38.39°N Lon: 142.73°E M: 5.1 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	1919	02.09
SOP	SZ	EP	C	1919	10.99
PKSM	SZ	EP		1919	10.55

February 18 2011 Hour: 04:26:45.0 Lat: 51.54°N Lon: 16.02°E M: 4.2 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn	C	0428	03.61
BEHE	SN	Sn		0429	03.71
BEHE	SN	ESg		0429	36.71
PKSG	SZ	EPn	C	0427	53.38
PKSG	SN	Sn		0428	46.09
PKSG	SN	ESg		0429	06.79
PKSM	SZ	EPn		0428	09.76
PKSM	SN	Sn		0429	10.42
PKST	SZ	EPn	C	0427	53.96
PKST	SN	Sn		0428	47.21
PSZ	SZ	EPn	D	0427	53.54
PSZ	SN	Sn		0428	40.22
SOP	SZ	EPn	C	0427	45.95
SOP	SN	Sn		0428	31.83
SOP	SN	ESg		0428	52.24

February 18 2011 Hour: 20:20:33.0 Lat: 44.89°N Lon: 150.10°E M: 5.3 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP	C	2032	31.99
TRPA	SZ	IP	C	2032	18.00
PSZ	SZ	IP	C	2032	24.67
PKST	SZ	IP	C	2032	30.95
PKSM	SZ	EP		2032	33.76
PKSG	SZ	EP	C	2032	29.82
BUD	XZ	EP	C	2032	28.53

February 18 2011 Hour: 23:12:06.0 Lat: 1.96°N Lon: 97.81°E M: 5.4 Depth: 50 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	2324	23.39
PKSG	SZ	EP	C	2324	17.61
PKSG	SE	EP	D	2324	15.85
PKSM	SZ	EP	C	2324	15.94
PKST	SZ	EP		2324	18.81

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ SZ EP C 2324 12.70

February 20 2011 Hour: 09:09:58.0 Lat: 13.67°N Lon: 51.60°E M: 5.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
TRPA SZ EP C 0917 49.84
PKST SZ EP C 0918 02.77
PKSM SZ EP C 0917 54.92
PKSG SZ EP C 0918 02.10

February 20 2011 Hour: 14:32:23.0 Lat: 1.36°N Lon: 97.12°E M: 5.3 Depth: 27 km

STAT CO PHASE P HRMM SECON
PKSG SZ EP C 1444 37.36
PKSM SZ EP 1444 35.74
PKST SZ EP 1444 38.84

February 20 2011 Hour: 21:43:19.0 Lat: 55.95°N Lon: 162.19°E M: 6.0 Depth: 3 km

STAT CO PHASE P HRMM SECON
PKSG SZ EP 2154 49.17
PSZ SZ EP 2154 44.09
PSZ SZ IS 2204 04.69
TRPA SZ EP 2154 38.89
TRPA SZ IS 2203 53.03
SOP SZ EP 2154 50.13
SOP SZ IS 2204 14.69
PKS6 SZ EP 2154 51.61
PKS6 SZ IS 2204 16.35
PKSN SZ EP C 2154 51.16
PKSN SZ IS 2204 23.85
PKST SZ EP 2154 50.84
PKST SZ IS 2204 18.02
BEHE SZ EP 2154 56.88
BEHE SZ IS 2204 21.35
PKSM SZ EP C 2154 54.63
PKSM SZ IS 2204 25.52
PKSM SZ EPP 2157 47.81
PSZ SN EPP 2157 35.04
BUD XZ EP 2154 48.08
BUD XZ IS 2204 11.36
BUD XZ ESS 2208 26.52

February 21 2011 Hour: 10:57:52.0 Lat: 26.13°S Lon: 178.46 °E M: 6.5 Depth: 554 km

STAT CO PHASE P HRMM SECON
PKSG SZ EP 1116 40.33
PKSM SZ EP D 1116 40.90
PKST SZ EP 1116 39.60
PSZ SZ EP 1116 38.29
SOP SZ EP D 1116 40.73
TRPA SZ EP 1116 36.18
PKSM SN ESS 1139 39.57
PSZ SN ESS 1139 14.01
SOP SN ESS 1139 40.36
TRPA SE ESS 1139 09.21

February 21 2011 Hour: 13:13:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EPg		1314	45.64
PSZ	XN	ESg		1314	51.16

February 21 2011 Hour: 23:51:41.0 Lat: 43.53°S Lon: 172.76°E M: 6.3 Depth: 6 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C	2411	38.02
TRPA	SZ	EPP		2415	51.54
SOP	SZ	EP	C	2411	43.02
SOP	SZ	EPP		2416	15.87
PSZ	SZ	EP	C	2411	40.87
PSZ	SZ	EPP		2416	05.73
PKST	SZ	EP		2411	41.77
PKST	SZ	EPP		2416	14.51
PKSN	SZ	EP		2411	40.52
PKSN	SZ	EPP		2416	01.00
PKSM	SZ	EP		2411	41.77
PKSM	SZ	EPP		2416	11.14
PKSG	SZ	EP		2411	41.77
PKSG	SZ	EPP		2416	09.78
BUD	XZ	EP		2411	41.59
BUD	XZ	EPP		2416	05.05
BEHE	SZ	EP	C	2411	43.27
BEHE	SZ	EPP		2416	07.08

February 22 2011 Hour: 02:10:26.0 Lat: 14.22°N Lon: 120.62°E M: 5.3 Depth: 154 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	0222	52.43
PKSM	SZ	EP		0223	00.01

February 22 2011 Hour: 02:10:26.0 Lat: 14.22°N Lon: 120.62°E M: 5.3 Depth: 154 km

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EP	C	0222	57.16
PKST	SZ	EP	C	0222	58.23

February 22 2011 Hour: 04:36:55.0 Lat: 51.50°N Lon: 16.13°E M: 4.1 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EPn	C	0438	01.50
PKSG	SN	Sn		0439	03.38
PKSM	SZ	EPn		0438	18.01
PKSM	SN	Sn		0439	26.07
PKST	SZ	EPn	C	0438	02.74
PKST	SZ	EPg		0438	21.23
PKST	SE	Sn		0438	56.32
PSZ	SZ	EPn	C	0438	01.42
PSZ	SN	Sn		0438	54.35
PSZ	SN	ESg		0439	22.88

February 22 2011 Hour: 20:37:03.0 Lat: 38.85°N Lon: 24.95°E M: 4.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EPn		2039	07.37
PSZ	SZ	EPn		2039	22.20

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKSG SZ EPn 2039 23.71
PKSM SN Sn 2040 46.31
PKSG SN Sn 2041 12.57
PSZ SN Sn 2041 14.90

February 22 2011 Hour: 20:37:03.0 Lat: 38.85°N Lon: 24.95°E M: 4.4 Depth: 10 km

STAT CO PHASE P HRMM SECON
PKS6 SZ EPn 2039 08.76

February 23 2011 Hour: 22:14:04.1 Lat: 31.49°N Lon: 140.24°E M: 5.3 Depth: 90 km

STAT CO PHASE P HRMM SECON
PKSG SZ IP C 2226 32.71
PKSM SZ EP 2226 36.14
PKSN SZ EP 2226 32.71
PKST SZ EP C 2226 33.32
PSZ SZ IP C 2226 27.87
TRPA SZ IP C 2226 20.10

February 24 2011 Hour: 03:01:14.6 Lat: 17.83°S Lon: 174.30°W M: 5.5 Depth: 100 km

STAT CO PHASE P HRMM SECON
BUD XZ EP 0320 49.34
PKSG SZ EP C 0320 49.81
PKSM SZ EP 0320 51.69
PKST SZ EP C 0320 50.23
PSZ SZ EP C 0320 50.61
SOP SZ EP 0320 49.95
TRPA SZ EP D 0320 44.21

February 24 2011 Hour: 18:32:01.0 Lat: 18.05°S Lon: 178.38°W M: 5.4 Depth: 623 km

STAT CO PHASE P HRMM SECON
PKSM SZ EP D 1850 38.23
PKST SZ EP D 1850 36.32
PKSG SZ EP D 1850 36.10
PKSG SZ IP C 1850 35.93
PSZ SZ EP 1850 33.07
SOP SZ EP D 1850 37.39

February 26 2011 Hour: 15:38:43.0 Lat: 37.63°N Lon: 141.68°E M: 5.2 Depth: 28 km

STAT CO PHASE P HRMM SECON
TRPA SZ IP 1550 46.37
TRPA SZ EP C 1550 46.33
SOP SZ EP C 1551 03.07
PSZ SZ EP C 1550 53.76
PKST SZ EP 1551 00.28
PKSN SZ EP 1550 58.63
PKSM SZ EP C 1551 02.46
PKSG SZ EP C 1550 59.07
PKS2 SZ EP 1551 00.41
BEHE SZ EP 1551 07.07

February 27 2011 Hour: 02:45:10.0 Lat: 42.07°N Lon: 20.47°E M: 3.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
BEHE SZ EPn 0246 26.33

BEHE	SN	Sn	0247	27.59
PKSG	SZ	EPn	D 0246	31.07
PKSG	SN	Sn	0247	35.40
PKSM	SZ	EPn	0246	14.06
PKSM	SN	Sn	0247	12.81
PKSN	SZ	EPn	0246	21.64
PKSN	SN	Sn	0247	20.01
PSZ	SZ	EPn	0246	36.49
PSZ	SN	Sn	0247	45.40
PKST	SZ	EPn	0246	31.03
PKST	SN	Sn	0247	35.15

February 27 2011 Hour: 18:24:07.0 Lat: 43.96°N Lon: 17.43°E M: 2.8 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		1824	48.87
BEHE	SN	Sn		1825	23.53
PKSG	SZ	EPn	C	1825	01.82
PKSG	SN	Sn		1825	44.57
PKSM	SZ	EPn		1824	46.24
PKSM	SZ	EPg		1824	52.61
PKSM	SN	Sn		1825	18.86
PKST	SZ	EPn	D	1824	59.42
PKST	SN	Sn		1825	39.37

February 28 2011 Hour: 02:03:28.0 Lat: 32.42°N Lon: 142.35°E M: 5.1 Depth: 42 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0216	07.00
PSZ	SZ	EP	D	0215	59.12
PSZ	SZ	ES		0226	32.79
SOP	SZ	EP	D	0216	07.30
SOP	SZ	ES		0226	38.69
TRPA	SZ	EP	D	0215	51.94
TRPA	SZ	ES		0226	16.09
PKSG	SZ	EP		0216	03.92
PKSG	SZ	ES		0226	44.61

February 28 2011 Hour: 13:05:31.0 Lat: 46.36°N Lon: 152.14°E M: 5.3 Depth: 44 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	C	1317	30.70
PKSG	SZ	EP		1317	27.07
PKST	SZ	EP	C	1317	27.55
PSZ	SZ	EP		1317	21.44
SOP	SZ	EP	C	1317	29.12
TRPA	SZ	IP	C	1317	15.14

March 01 2011 Hour: 12:49:59.0 Lat: 51.32°N Lon: 179.51°E M: 5.4 Depth: 45 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	IP	C	1302	02.78
PKSM	SZ	IP	C	1302	10.49

March 02 2011 Hour: 10:29:15.0 Lat: 41.92°N Lon: 20.19°E M: 3.9 Depth: 8 km

STAT	CO	PHASE	P	HRMM	SECON
PKS2	SN	Sn		1031	21.88

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKS6	SN	Sn	1031	21.88
PKS7	SN	Sn	1031	32.57
PKSG	SN	Sn	1031	43.27
PKSM	SN	Sn	1031	13.62
BUD	XZ	Sn	1031	42.21
CSKK	SZ	EPn	1030	39.32
PKS2	SZ	EPn	1030	25.39
PKS6	SZ	EPn	1030	26.50
PKS7	SZ	EPn	1030	33.14
PKSG	SZ	EPn	1030	39.00
PKSM	SZ	EPn	C 1030	22.23
PKST	SZ	EPn	1030	38.60
PSZ	SZ	EPn	C 1030	44.21
BUD	XN	Sn	1031	43.98
PKST	SN	Sn	1031	44.30
PSZ	SN	Sn	1031	53.13
CSKK	SN	Sn	1031	45.83

March 02 2011 Hour: 10:29:15.0 Lat: 41.92°N Lon: 20.19°E M: 3.9 Depth: 8 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn	C	1030	33.86
BEHE	SN	Sn		1031	36.63

March 02 2011 Hour: 18:50:49.0 Lat: 8.58°N Lon: 76.91°W M: 5.6 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
PKS7	SZ	EP		1903	37.18
PKS9	SZ	EP		1903	33.34
PKSG	SZ	EP		1903	32.50
PKSM	SZ	EP		1903	36.34
PKST	SZ	EP		1903	31.06
PSZ	SZ	EP		1903	25.78

March 03 2011 Hour: 11:52:38.0 Lat: 47.08°N Lon: 150.87°E M: 5.2 Depth: 186 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP	D	1204	13.24
PKS7	SZ	EP		1204	13.34
PKSG	SZ	EP	D	1204	13.15
PKST	SZ	EP	D	1204	14.32
SOP	SZ	EP	D	1204	15.88

March 03 2011 Hour: 14:36:50.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		1438	08.02
PSZ	SN	ESg		1438	11.36

March 05 2011 Hour: 00:14:39.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EPn		0016	04.51
PKS9	SZ	EPn		0016	13.89
PKS6	SZ	EPn		0016	14.15
CSKK	SZ	EPn		0016	22.61
PKSG	SZ	EPn		0016	20.40
PKST	SZ	EPn		0016	20.01

PKST	SN	Sn	0016	42.54
PKSM	SN	Sn	0016	16.75
PKSG	SN	Sn	0016	53.74
PKS9	SN	Sn	0016	34.20
PKS6	SN	Sn	0016	34.72
CSKK	SN	Sn	0016	55.04
PSZ	SE	Sn	0017	01.55
PKS7	SN	Sn	0016	43.87

March 05 2011 Hour: 00:14:53.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SN	Sn		0016	43.28

March 05 2011 Hour: 00:31:11.0 Lat: 52.80°N Lon: 160.71°E M: 5.0 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0042	51.11
PKS6	SZ	EP		0042	51.30
PKS7	SZ	EP		0042	51.87
PKS9	SZ	EP		0042	51.01
PKSG	SZ	EP		0042	50.82
PKSM	SZ	EP		0042	56.08
PKST	SZ	EP		0042	51.78
PSZ	SZ	EP		0042	46.23
SOP	SZ	EP		0042	51.87
TRPA	SZ	EP		0042	39.92

March 05 2011 Hour: 00:35:31.0 Lat: 52.78°N Lon: 160.83°E M: 5.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0042	56.08
CSKK	SZ	EP		0047	14.85
PKS7	SZ	EP		0047	15.96
PKSG	SZ	EP		0047	14.16
PKST	SZ	EP		0047	16.10
PSZ	SZ	EP		0047	09.45
TRPA	SZ	EP		0047	04.46
SOP	SZ	EP		0047	15.69
PKS9	SZ	EP		0047	18.87
PKS6	SZ	EP		0047	21.09

March 05 2011 Hour: 04:32:37.0 Lat: 51.55°N Lon: 16.11°E M: 4.4 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EPn		0433	46.15
BUD	XN	Sn		0434	39.31
BUD	XN	ESg		0435	01.88
CSKK	SZ	EPn		0433	45.03
CSKK	SN	Sn		0434	38.19
CSKK	SN	ESg		0435	02.62
CSKK	SE	Sn	C	0434	45.99
PKS6	SZ	EPn	C	0433	59.41
PKS6	SN	Sn		0435	04.48
PKS6	SN	ESg		0435	34.11
PKS7	SZ	EPn		0433	55.09
PKS7	SN	Sn		0434	50.32

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKS7 SN ESg 0435 18.21
 PKS9 SZ EPn 0433 56.19
 PKS9 SN Sn 0434 56.61
 PKSG SZ EPn D 0433 44.86
 PKSG SN Sn 0434 39.31
 PKSM SZ EPn 0434 01.24
 PKSM SN Sn 0435 06.83
 PKST SZ EPn 0433 45.28
 PKST SN Sn 0434 40.21
 PSZ SZ EPn C 0433 45.07
 PSZ SN Sn 0434 35.94
 PSZ SN ESg 0435 02.24
 SOP SZ EPn C 0433 37.69
 SOP SN Sn 0434 24.48
 TRPA SZ EPn 0433 57.98
 TRPA SN Sn 0434 57.02
 TRPA SN ESg 0435 33.29

March 05 2011 Hour: 04:32:37.0 Lat: 51.55°N Lon: 16.11°E M: 4.4 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 0433 58.08
 BEHE SN Sn 0434 56.70
 BEHE SN ESg 0435 23.36

March 05 2011 Hour: 11:24:44.0 Lat: 30.50°N Lon: 51.12°E M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 1130 59.11
 PKSG SZ EP D 1130 58.12
 PKSM SZ EP C 1130 52.76

March 05 2011 Hour: 20:42:53.8 Lat: 28.25°N Lon: 57.17°E M: 5.2 Depth: 48 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 2049 25.54
 SOP SZ EP C 2049 57.22
 PSZ SZ EP C 2049 39.86
 PKST SZ EP 2049 48.08
 PKSM SZ EP C 2049 41.98
 PKSG SZ EP 2049 46.62
 PKS9 SZ EP 2049 45.16
 PKS7 SZ EP 2049 41.18
 PKS6 SZ EP 2049 38.80
 CSKK SZ EP 2049 47.81

March 05 2011 Hour: 20:42:53.8 Lat: 28.25°N Lon: 57.17°E M: 5.2 Depth: 48 km

STAT CO PHASE P HRMM SECON
 BEHE SZ IP C 2049 53.38

March 06 2011 Hour: 01:44:08.0 Lat: 23.09°S Lon: 170.53°E M: 5.3 Depth: 42 km

STAT CO PHASE P HRMM SECON
 SOP SZ EP 0203 48.21
 PSZ SZ EP 0203 42.71
 PKST SZ EP 0203 46.56
 PKSM SZ EP D 0203 47.32

PKSG	SZ	EP	0203	45.46
PKS9	SZ	EP	0203	46.97
PKS6	SZ	EP	0203	46.15

March 07 2011 Hour: 00:09:37.0 Lat: 10.31°S Lon: 160.75°E M: 6.4 Depth: 28 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0028	46.27
PKS6	SZ	EP		0028	47.67
PKS7	SZ	EP		0028	47.99
PKS9	SZ	EP		0028	47.99
PKSG	SZ	EP		0028	45.73
PKST	SZ	EP		0028	47.02
TRPA	SZ	EP		0028	41.64
TRPA	SZ	EPP		0030	49.71
SOP	SZ	EP		0028	46.05
SOP	SZ	EPP		0031	11.99
PSZ	SZ	EP		0028	44.55
PSZ	SZ	EPP		0031	00.59
PKSM	SZ	EP		0028	47.34
PKSM	SZ	EPP		0031	08.88
BUD	XZ	EP		0028	46.81
BUD	XZ	EPP		0031	06.29

March 09 2011 Hour: 02:45:17.0 Lat: 38.52°N Lon: 142.81°E M: 7.2 Depth: 9 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0257	33.90
PKS6	SZ	EP		0257	34.23
PKS7	SZ	EP		0257	32.60
PKS9	SZ	EP		0257	35.21
PKSG	SZ	EP		0257	32.28
PKST	SZ	EP		0257	33.90
BEHE	SZ	EP		0257	40.09
BEHE	SZ	EPP		0300	52.41
TRPA	SZ	EP		0257	21.53
TRPA	SZ	EPP		0300	22.53
PKSM	SZ	EP		0257	36.83
PKSM	SZ	EPP		0300	47.50
PSZ	SZ	EP		0257	27.39
PSZ	SZ	EPP		0300	36.80
PSZ	SZ	ES		0307	38.92
SOP	SZ	EP		0257	36.51
SOP	SZ	EPP		0300	44.83
SOP	SZ	ES		0307	46.66
BUD	XZ	EP		0257	32.60
BUD	XZ	EPP		0300	45.72
BUD	XZ	ES		0307	44.45
TRPA	SN	ES		0307	21.23
TRPA	SN	ESS	D	0312	29.76
SOP	SN	ESS		0313	10.67
PSZ	SN	ESS		0312	49.66
PKSM	SN	ES		0308	06.57
PKSM	SN	ESS		0313	13.99
BUD	XN	ESS		0313	06.25

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BEHE SN ES 0308 08.78
 BEHE SN ESS 0313 46.06

March 09 2011 Hour: 03:08:35.0 Lat: 38.41°N Lon: 143.03°E M: 5.5 Depth: 19 km

STAT CO PHASE P HRMM SECON
 PKS7 SZ EP 0320 50.18
 PKSG SZ EP 0320 50.00
 PKS9 SZ EP 0320 53.40

March 09 2011 Hour: 04:37:02.0 Lat: 38.78°N Lon: 142.89°E M: 5.7 Depth: 18 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 0449 14.86
 BEHE SZ EP 0449 24.30
 CSKK SZ EP 0449 17.80
 PKS9 SZ EP 0449 20.52
 PKSG SZ EP 0449 16.23
 PKSM SZ EP 0449 20.52
 PKST SZ EP 0449 17.48
 PSZ SZ EP C 0449 11.30
 SOP SZ EP C 0449 20.21
 TRPA SZ EP C 0449 04.28

March 09 2011 Hour: 18:16:17.0 Lat: 38.32°N Lon: 142.52°E M: 6.0 Depth: 26 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 1828 36.97
 BUD XZ EP C 1828 29.00
 CSKK SZ EP 1828 31.15
 PKS6 SZ EP 1828 31.28
 PKS7 SZ EP 1828 30.89
 PKS9 SZ EP 1828 34.62
 PKSG SZ EP 1828 30.63
 PKSM SZ EP C 1828 34.22
 PKST SZ EP 1828 31.55
 PSZ SZ EP C 1828 25.34
 SOP SZ EP C 1828 34.49
 TRPA SZ EP C 1828 17.76

March 09 2011 Hour: 18:44:36.0 Lat: 38.54°N Lon: 143.20°E M: 6.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 1856 40.42
 SOP SZ EP C 1856 56.94
 PSZ SZ EP C 1856 48.09
 PKST SZ EP D 1856 55.02
 PKSM SZ EP C 1856 57.36
 PKSG SZ EP D 1856 53.95
 PKS9 SZ EP 1856 56.72
 PKS7 SZ EP 1856 52.89
 PKS6 SZ EP 1856 54.38
 CSKK SZ EP 1856 54.06
 BUD XZ EP C 1856 51.82
 BEHE SZ EP C 1857 00.45

March 09 2011 Hour: 21:22:17.0 Lat: 38.89°N Lon: 142.63°E M: 6.1 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	2134	38.63
BUD	XZ	EP	C	2134	30.33
CSKK	SZ	EP	D	2134	33.02
PKS6	SZ	EP	D	2134	32.80
PKS7	SZ	EP	D	2134	32.13
PKS9	SZ	EP		2134	35.94
PKSG	SZ	EP	D	2134	31.90
PKSM	SZ	EP		2134	34.59
PKST	SZ	EP	D	2134	33.25
PSZ	SZ	EP		2134	25.85
SOP	SZ	EP		2134	35.49
TRPA	SZ	EP		2134	18.23

March 10 2011 Hour: 04:58:14.0 Lat: 24.80°N Lon: 98.01°E M: 5.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EP	C	0508	57.19
PKSM	SZ	EP	D	0508	57.29
PKST	SZ	EP	C	0508	58.86
SOP	SZ	EP	D	0509	04.77
PSZ	SZ	EP	D	0508	50.22

March 10 2011 Hour: 08:08:19.0 Lat: 38.59°N Lon: 143.34°E M: 5.7 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	C	0820	39.00
TRPA	SZ	EP	C	0820	22.64
PSZ	SZ	EP	C	0820	30.24

March 10 2011 Hour: 09:02:21.0 Lat: 38.70°N Lon: 143.12°E M: 5.4 Depth: 18 km

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EP	C	0914	35.54
PKSM	SZ	EP		0914	39.34
PKST	SZ	EP		0914	37.11
PSZ	SZ	EP	C	0914	30.39
SOP	SZ	EP		0914	39.34

March 10 2011 Hour: 11:21:08.0 Lat: 38.66°N Lon: 142.98°E M: 5.3 Depth: 19 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	1133	17.48

March 10 2011 Hour: 17:08:38.0 Lat: 6.90°S Lon: 116.73°E M: 6.5 Depth: 533 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	1721	16.47
TRPA	SZ	EPP		1725	20.30
SOP	SZ	EP	D	1721	34.37
SOP	SZ	EPP		1725	50.27
PSZ	SZ	EP		1721	24.67
PSZ	SZ	EPP		1725	34.04
PKST	SZ	EP		1721	30.65
PKST	SZ	EPP		1725	41.53
PKSM	SZ	EP		1721	27.51
PKSM	SZ	EPP		1725	42.16

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BEHE SZ EP	1721 34.86
BEHE SZ EPP	1725 51.52
CSKK SZ EP	1721 29.96
CSKK SZ EPP	1725 44.65
PKS6 SZ EP	1721 28.49
PKS6 SZ EPP	1725 41.53
PKS9 SZ EP	1721 29.47
PKS9 SZ EPP	1725 37.16
PKSG SZ EP	1721 27.51
PKSG SZ EPP	1725 42.78
PKS7 SZ EP	1721 28.24
PKS7 SZ EPP	1725 41.53

March 11 2011 Hour: 05:46:23.0 Lat: 38.30°N Lon: 142.50°E M: 9.0 Depth: 22 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	IP		0558	41.74
BUD	XZ	IP		0558	40.06
CSKK	SZ	IP		0558	40.51
PKS6	SZ	IP		0558	41.07
PKS7	SZ	IP		0558	40.29
PKS9	SZ	IP		0558	40.40
PKSM	SZ	IP		0558	42.64
PKST	SZ	IP		0558	41.97
PSZ	SZ	IP		0558	38.38
TRPA	SZ	IP		0558	32.10
TRPA	SZ	ES		0608	50.65
SOP	SZ	IP		0558	43.88
SOP	SZ	ES		0609	14.36
PSZ	SN	ES		0609	15.75
PKSM	SN	ES		0609	29.70
BUD	XN	ES		0609	21.33
BEHE	SN	ES		0609	28.30
CSKK	SE	ES		0609	11.57
PKSG	SZ	IP		0558	39.61
PKSG	SZ	ES		0609	24.12

March 11 2011 Hour: 06:25:49.0 Lat: 38.22°N Lon: 144.66°E M: 7.6 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0638	13.60
CSKK	SZ	EP		0638	11.86
PKS2	SZ	EP		0638	13.41
PKS6	SZ	EP		0638	11.66
PKS7	SZ	EP		0638	10.30
PKS9	SZ	EP		0638	13.80
PKSG	SZ	EP		0638	10.88
PKSM	SZ	EP		0638	11.08
PKST	SZ	EP		0638	11.08
PSZ	SZ	EP		0638	06.03
SOP	SZ	EP		0638	14.38
TRPA	SZ	EP		0637	59.04

March 11 2011 Hour: 07:25:49.0 Lat: 38.22°N Lon: 144.66°E M: 6.0 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		0737	41.89
SOP	SZ	EP		0737	57.96
PSZ	SZ	EP		0737	48.93
PKST	SZ	EP		0737	56.16
PKSM	SZ	EP		0737	57.96
PKSG	SZ	EP		0737	55.07
PKS9	SZ	EP		0737	58.51
PKS7	SZ	EP		0737	55.44
PKS6	SZ	EP		0737	54.53
PKS2	SZ	EP		0737	56.16
CSKK	SZ	EP		0737	56.47
BEHE	SZ	EP		0737	59.67

March 11 2011 Hour: 07:28:12.0 Lat: 36.80°N Lon: 141.91°E M: 6.1 Depth: 24 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0737	57.96
PKST	SZ	EP		0740	31.17
CSKK	SZ	EP		0740	31.17
PKS9	SZ	EP		0740	34.04
PKSG	SZ	EP		0740	30.76
PKS7	SZ	EP		0740	29.12
PKS6	SZ	EP		0740	30.35
PKS2	SZ	EP		0740	31.58
PSZ	SZ	EP		0740	25.37
SOP	SZ	EP		0740	34.06
TRPA	SZ	EP		0740	18.61
BEHE	SZ	EP		0740	29.93

March 11 2011 Hour: 07:38:26.0 Lat: 39.19°N Lon: 142.83°E M: 6.0 Depth: 27 km

STAT	CO	PHASE	P	HRMM	SECON
PKST	SZ	EP		0750	36.76
PKSG	SZ	EP		0750	35.93
PKS7	SZ	EP		0750	36.76
PKS9	SZ	EP		0750	39.80
PKS6	SZ	EP		0750	38.14
PKS2	SZ	EP		0750	35.65
CSKK	SZ	EP		0750	34.82
PSZ	SZ	EP		0750	30.95
SOP	SZ	EP		0750	40.36
TRPA	SZ	EP		0750	24.30
PKSM	SZ	EP		0750	38.97
BEHE	SZ	EP		0750	35.65

March 11 2011 Hour: 08:12:03.0 Lat: 36.65°N Lon: 141.53°E M: 6.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0824	24.14
PKS2	SZ	EP		0824	25.23
PKS6	SZ	EP		0824	23.41
PKS7	SZ	EP		0824	23.04
PKS9	SZ	EP		0824	26.33
PKSG	SZ	EP		0824	23.77

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKST SZ EP 0824 24.50
 PKSM SN EP 0824 27.79
 PSZ SZ EP 0824 17.99
 SOP SZ EP 0824 27.71
 TRPA SZ EP 0824 11.51

March 11 2011 Hour: 08:15:39.0 Lat: 37.07°N Lon: 144.56°E M: 6.2 Depth: 20 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 0831 48.42
 PKS2 SZ EP 0831 51.06
 PKS6 SZ EP 0831 49.74
 PKS7 SZ EP 0831 47.76
 PKS9 SZ EP 0831 52.71
 PKSG SZ EP 0831 48.75
 PKST SZ EP 0831 49.08
 PKSM SZ EP 0831 50.73
 PSZ SZ EP 0831 43.48
 SOP SZ EP 0831 52.71
 TRPA SZ EP 0831 35.57

March 11 2011 Hour: 10:10:33.0 Lat: 39.17°N Lon: 142.75°E M: 6.0 Depth: 22 km

STAT CO PHASE P HRMM SECON
 PKSG SZ IP C 1022 45.03
 PKSM SZ IP 1022 48.73
 PSZ SZ IP 1022 39.57
 SOP SZ IP 1022 48.83
 TRPA SZ IP 1022 31.97

March 11 2011 Hour: 10:28:43.0 Lat: 39.44°N Lon: 143.56°E M: 5.9 Depth: 25 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP 1040 58.92
 PSZ SZ EP 1040 49.93
 SOP SZ EP 1040 58.63
 TRPA SZ EP C 1040 42.51

March 11 2011 Hour: 11:36:38.0 Lat: 39.26°N Lon: 142.48°E M: 6.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP 1148 37.26
 TRPA SZ EPP 1151 32.94
 SOP SZ EP 1148 53.82
 SOP SZ EPP 1151 51.44
 PSZ SZ EP 1148 44.54
 PSZ SZ EPP 1151 47.97
 PKST SZ EP 1148 51.60
 PKST SZ EPP 1151 46.82
 PKSG SZ EP 1148 50.23
 PKSG SZ EPP 1151 45.95
 PKS9 SZ EP 1148 53.92
 PKS9 SZ EPP 1151 45.37
 PKS7 SZ EP 1148 50.13
 PKS7 SZ EPP 1151 44.79
 PKS6 SZ EP 1148 50.55
 PKS6 SZ EPP 1151 44.50

PKS2 SZ EP	1148 51.29
PKS2 SZ EPP	1151 44.21
CSKK SZ EP	1148 50.76
CSKK SZ EPP	1151 47.39
BUD XZ EP	1148 48.44
BUD XZ EPP	1151 44.21
BEHE SZ EP	1148 58.14
BEHE SZ EPP	1151 47.10
PKSM SZ EP	1148 53.92
PKSM SZ EPP	1151 48.55

March 11 2011 Hour: 12:54:52.0 Lat: 38.53°N Lon: 142.04°E M: 5.5 Depth: 42 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		1307	05.46
PSZ	SZ	EP		1306	56.51
SOP	SZ	EP		1307	05.46

March 11 2011 Hour: 13:43:12.0 Lat: 38.99°N Lon: 144.23°E M: 5.6 Depth: 41 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	D	1355	27.02
PSZ	SZ	EP	D	1355	17.96
SOP	SZ	EP	D	1355	26.26

March 11 2011 Hour: 15:13:13.0 Lat: 36.02°N Lon: 141.86°E M: 6.2 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1525	48.73
BUD	XZ	EP		1525	39.67
PSZ	SZ	EP		1525	35.20
SOP	SZ	EP		1525	41.48
TRPA	SZ	EP		1525	25.18
PKSM	SZ	EP		1525	41.60
BEHE	SN	ES		1536	11.18
BUD	XN	ES		1536	04.84
PKSM	SN	ES		1536	08.01
PSZ	SN	ES		1535	44.76
SOP	SN	ES		1535	59.56
TRPA	SE	ES		1535	28.38

March 11 2011 Hour: 15:19:35.0 Lat: 36.35°N Lon: 141.89°E M: 5.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	1532	14.25
PKSM	SZ	EP	C	1532	31.57
PSZ	SZ	EP		1532	21.57

March 11 2011 Hour: 17:16:59.0 Lat: 37.08°N Lon: 144.11°E M: 5.5 Depth: 25 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1729	58.59
BUD	XZ	EP		1729	50.49
PKS9	SZ	EP		1729	23.80
PKSG	SZ	EP		1729	22.11
PKSM	SZ	EP		1729	24.48
PKST	SZ	EP		1729	22.11
PSZ	SZ	EP		1729	16.03

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

SOP	SZ	EP	1729	09.61
TRPA	SZ	EP	1729	09.28
TRPA	SE	ES	1739	51.75
SOP	SN	ES	1740	22.49
PSZ	SN	ES	1740	04.52
PKSM	SN	ES	1740	15.40
PKSG	SE	ES	1740	14.45

March 11 2011 Hour: 18:11:24.0 Lat: 37.23°N Lon: 142.17°E M: 5.8 Depth: 12 km

STAT	CO	PHASE	P	HRMM	SECON
PKS7	SZ	EP	C	1823	43.79
PKSG	SZ	EP	C	1823	44.19
PKSM	SZ	EP		1823	47.42
PKST	SZ	EP	D	1823	44.90
PSZ	SZ	EP	D	1823	38.18
SOP	SZ	EP	D	1823	47.35
TRPA	SZ	EP	D	1823	31.15

March 11 2011 Hour: 18:59:16.0 Lat: 37.01°N Lon: 138.43°E M: 6.3 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D	1911	38.47
BUD	XZ	EP	D	1911	30.58
CSKK	SZ	EP		1911	28.48
PKS6	SZ	EP		1911	28.48
PKS7	SZ	EP		1911	27.16
PKS9	SZ	EP		1911	30.32
PKSG	SZ	EP		1911	27.69
PKSM	SZ	EP		1911	34.26
PKST	SZ	EP		1911	30.05
PSZ	SZ	EP		1911	23.21
SOP	SZ	EP		1911	33.47
TRPA	SZ	EP		1911	14.27
TRPA	SE	IS		1921	09.77
TRPA	SN	ES		1921	08.93
SOP	SN	IS		1921	42.88
SOP	SN	ES		1921	41.63
PSZ	SN	ES		1921	22.77
PKSM	SN	ES		1921	41.21
PKSG	SN	ES		1921	38.27
CSKK	SN	ES	D	1921	36.60
PKS7	SN	ES		1921	35.34

March 11 2011 Hour: 19:02:57.0 Lat: 39.30°N Lon: 142.94°E M: 6.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1915	15.95
BUD	XZ	EP		1915	14.11
CSKK	SZ	EP		1915	09.87
PKS6	SZ	EP		1915	11.21
PKS7	SZ	EP		1915	10.22
PKS9	SZ	EP		1915	12.13
PKSG	SZ	EP		1915	09.94
PKSM	SZ	EP		1915	14.96
PKST	SZ	EP		1915	10.65

PSZ SZ EP 1915 11.92
 SOP SZ EP 1915 12.42
 TRPA SZ EP 1915 05.84

March 11 2011 Hour: 19:08:39.0 Lat: 36.29°N Lon: 140.88°E M: 5.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		1920	47.08
SOP	SZ	EP		1920	56.00
PSZ	SZ	EP		1920	54.45
PKST	SZ	EP		1920	59.88
PKSM	SZ	EP		1921	03.37
PKSG	SZ	EP		1921	00.66
CSKK	SZ	EP		1921	01.82
PKS9	SZ	EP		1921	03.37
PKS7	SZ	EP		1921	00.27
PKS6	SZ	EP		1921	01.82

March 11 2011 Hour: 19:46:51.2 Lat: 40.55°N Lon: 139.09°E M: 6.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		1958	48.27
PKS7	SZ	EP		1958	48.27
PKS9	SZ	EP		1958	52.49
PKSG	SZ	EP		1958	49.33
PKSM	SZ	EP		1958	53.55
PKST	SZ	EP		1958	48.63
PSZ	SZ	EP		1958	41.24
SOP	SZ	EP		1958	53.20
TRPA	SZ	EP		1958	34.91
TRPA	SN	ES		2008	15.03
SOP	SN	ES		2008	49.32
PSZ	SN	ES		2008	32.18
PKST	SN	ES		2008	48.29
PKSG	SE	ES		2008	45.20
PKS9	SN	ES		2008	53.43
PKS7	SN	ES		2008	47.95
CSKK	SE	ES		2008	45.20

March 11 2011 Hour: 20:11:21.0 Lat: 39.06°N Lon: 142.66°E M: 6.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	2023	23.44
SOP	SZ	EP	D	2023	39.80
PSZ	SZ	EP	D	2023	31.23
PKST	SZ	EP	D	2023	36.84
PKSM	SZ	EP	D	2023	39.80
PKSG	SZ	EP		2023	36.06
PKS9	SZ	EP		2023	39.02
PKS7	SZ	EP		2023	35.43
CSKK	SZ	EP		2023	36.21

March 11 2011 Hour: 20:23:41.0 Lat: 35.85°N Lon: 141.66°E M: 5.6 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		2036	06.01
PKS7	SZ	EP		2036	06.60

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKS9 SZ EP 2036 10.13
 PKSG SZ EP 2036 05.82
 PKSM SZ EP 2036 08.95
 PKST SZ EP 2036 06.01
 PSZ SZ EP 2036 00.33
 SOP SZ EP 2036 10.32
 TRPA SZ EP D 2035 53.09

March 11 2011 Hour: 21:41:57.0 Lat: 37.43°N Lon: 142.34°E M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
 SOP SZ EP D 2154 20.86
 TRPA SZ EP D 2154 04.52
 PSZ SZ EP D 2154 12.85
 PKSM SZ EP 2154 21.36

March 11 2011 Hour: 22:51:17.0 Lat: 37.87°N Lon: 144.87°E M: 5.8 Depth: 21 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 2303 26.27
 SOP SZ EP 2303 42.24
 PSZ SZ EP 2303 33.64
 PKSM SZ EP 2303 42.24

March 12 2011 Hour: 01:19:06.0 Lat: 16.72°S Lon: 173.05°E M: 5.7 Depth: 6 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0138 52.31
 BUD XZ EP 0138 51.61
 CSKK SZ EP 0138 51.61
 PKS6 SZ EP D 0138 55.39
 PKS7 SZ EP 0138 54.44
 PKS9 SZ EP 0138 55.39
 PKSG SZ EP 0138 52.79
 PKSM SZ EP 0138 51.13
 PKST SZ EP 0138 53.50
 PSZ SZ EP 0138 49.71
 SOP SZ EP 0138 50.66
 TRPA SZ EP 0138 45.69

March 12 2011 Hour: 01:47:15.0 Lat: 37.63°N Lon: 142.65°E M: 6.6 Depth: 22 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP D 0159 40.72
 BUD XZ EP D 0159 31.83
 CSKK SZ EP 0159 33.75
 PKS6 SZ EP D 0159 33.75
 PKS7 SZ EP D 0159 32.93
 PKS9 SZ EP D 0159 36.35
 PKSG SZ EP D 0159 33.47
 PKSM SZ EP 0159 36.76
 PKST SZ EP 0159 34.57
 PSZ SZ EP D 0159 28.55
 SOP SZ EP D 0159 37.17
 TRPA SZ EP D 0159 21.16
 TRPA SN ES 0209 23.56
 SOP SN ES 0210 00.01

PSZ	SN	ES	0209	43.89
PKSM	SN	ES	0209	58.09
PKSG	SN	ES	0209	51.18
BUD	XN	ES	0209	48.50
BEHE	SN	ES	0210	02.31

March 12 2011 Hour: 02:34:02.0 Lat: 36.77°N Lon: 141.37°E M: 5.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	D	0246	26.22
PSZ	SZ	EP	D	0246	17.72
SOP	SZ	EP	D	0246	26.45
TRPA	SZ	EP		0246	09.92

March 12 2011 Hour: 02:47:33.0 Lat: 37.66°N Lon: 143.64°E M: 5.7 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP	C	0259	55.26
PKS6	SZ	EP		0259	55.26
PKS7	SZ	EP		0259	54.56
PKS9	SZ	EP	C	0259	57.85
PKSG	SZ	EP		0259	54.47
PKSM	SZ	EP		0259	57.16
PKST	SZ	EP		0259	55.16
PSZ	SZ	EP		0259	49.38
SOP	SZ	EP		0259	58.55
TRPA	SZ	EP		0259	42.50

March 12 2011 Hour: 03:01:50.0 Lat: 39.61°N Lon: 142.67°E M: 5.8 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0314	04.35
BUD	XZ	EP		0313	55.93
CSKK	SZ	EP		0313	57.54
PKS6	SZ	EP		0313	57.63
PKS7	SZ	EP		0313	56.87
PKS9	SZ	EP		0314	00.38
PKSG	SZ	EP		0313	57.25
PKSM	SZ	EP		0314	00.57
PKST	SZ	EP		0313	58.29
PSZ	SZ	EP	C	0313	51.85
SOP	SZ	EP	C	0314	01.04
TRPA	SZ	EP	C	0313	44.37

March 12 2011 Hour: 03:12:00.0 Lat: 36.02°N Lon: 141.36°E M: 5.7 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	0324	07.30
CSKK	SZ	EP		0324	20.58
PKS9	SZ	EP	D	0324	23.16
PKSG	SZ	EP	D	0324	20.13
PKSM	SZ	EP	D	0324	23.83
PKST	SZ	EP	D	0324	21.20
SOP	SZ	EP	D	0324	23.78

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

March 12 2011 Hour: 04:04:49.0 Lat: 3.05°S Lon: 139.23°E M: 5.5 Depth: 42 km

STAT	CO	PHASE	P	HRMM	SECON
PKST	SZ	EP	C	0418	19.03
PKSM	SZ	EP	C	0418	21.14
PKSG	SZ	EP		0418	17.93
PKS9	SZ	EP	C	0418	22.01
SOP	SZ	EP	C	0418	21.72
PSZ	SZ	EP	C	0418	12.54

March 12 2011 Hour: 04:52:54.0 Lat: 40.11°N Lon: 143.31°E M: 5.5 Depth: 8 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0505	11.85
BUD	XZ	EP		0505	03.30
CSKK	SZ	EP		0505	05.61
PKS6	SZ	EP		0505	05.74
PKS9	SZ	EP		0505	08.32
PKS7	SZ	EP	D	0505	05.33
PKSG	SZ	EP	D	0505	05.47
PKSM	SZ	EP	C	0505	08.46
PKST	SZ	EP	D	0505	06.15
PSZ	SZ	EP	C	0504	59.23
SOP	SZ	EP	C	0505	08.05
TRPA	SZ	EP	C	0504	52.17

March 12 2011 Hour: 22:12:46.0 Lat: 37.71°N Lon: 141.95°E M: 6.0 Depth: 18 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		2225	10.68
BUD	XZ	EP		2225	00.86
CSKK	SZ	EP		2225	02.93
PKS6	SZ	EP		2225	02.67
PKS7	SZ	EP		2225	02.54
PKS9	SZ	EP		2225	06.03
PKSG	SZ	EP		2225	02.28
TRPA	SZ	EP	D	2224	49.23
SOP	SZ	EP	D	2225	06.03
PSZ	SZ	EP	D	2224	56.47
PKSM	SZ	EP	D	2225	05.50
PKST	SZ	EP		2225	03.98
PKSM	SE	ES		2235	22.18
PSZ	SE	ES		2234	29.60

March 12 2011 Hour: 23:24:48.0 Lat: 38.06°N Lon: 141.75°E M: 6.0 Depth: 13 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	2337	10.33
BUD	XZ	EP	C	2337	01.95
CSKK	SZ	EP		2337	04.44
PKS6	SZ	EP		2337	03.94
PKS7	SZ	EP	D	2337	03.61
PKS9	SZ	EP		2337	06.43
PKSG	SZ	EP	C	2337	03.27
PKSM	SZ	EP	C	2337	06.68
PSZ	SZ	EP	C	2336	57.63
PKST	SZ	EP		2337	03.69

SOP	SZ	EP	C	2337	07.01
TRPA	SZ	EP	C	2336	50.41
PKSM	SN	EPP		2340	15.74
PKSM	SE	ES		2347	18.00
PSZ	SN	EPP		2339	59.62
PSZ	SN	ES		2347	00.31
SOP	SN	EPP		2340	13.29
SOP	SN	ES		2347	18.28
TRPA	SN	EPP		2339	47.99
TRPA	SN	ES		2346	47.47
BUD	XN	ES		2347	10.01

March 13 2011 Hour: 01:26:06.0 Lat: 35.74°N Lon: 141.68°E M: 6.2 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		0138	29.37
CSKK	SZ	EP		0138	30.85
PKS6	SZ	EP		0138	30.40
PKS7	SZ	EP		0138	30.51
PKS9	SZ	EP		0138	33.13
PKSG	SZ	EP		0138	30.06
PKST	SZ	EP		0138	31.99
TRPA	SZ	EP		0138	16.15
TRPA	SZ	EPP		0141	23.07
SOP	SZ	EP		0138	34.27
SOP	SZ	EPP		0141	43.92
PSZ	SZ	EP		0138	24.36
PSZ	SZ	EPP		0141	34.01
PKSM	SZ	EP		0138	33.59
PKSM	SZ	EPP		0141	47.43
TRPA	SN	ES		0148	26.47
SOP	SN	ES		0148	57.61
PSZ	SN	ES		0148	41.55
PKSM	SE	ES		0148	57.12
BUD	XN	ES		0148	48.36

March 13 2011 Hour: 01:26:06.0 Lat: 35.74°N Lon: 141.68°E M: 6.2 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0138	37.70
BEHE	SZ	IP		0141	53.23

March 13 2011 Hour: 07:56:42.0 Lat: 39.66°N Lon: 143.22°E M: 5.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C	0808	41.14
SOP	SZ	EP	C	0808	57.52
PSZ	SZ	EP	C	0808	48.66
PKST	SZ	EP		0808	55.35
PKSM	SZ	EP	C	0808	57.62
PKSG	SZ	EP		0808	54.18
PKS9	SZ	EP	D	0808	57.52
PKS7	SZ	EP	D	0808	54.27
PKS6	SZ	EP	D	0808	54.99
PKS2	SZ	EP		0808	55.35
BUD	XZ	EP	C	0808	52.00

March 13 2011 Hour: 09:52:29.0 Lat: 38.93°N Lon: 141.87°E M: 5.4 Depth: 22 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C	1004	26.28
SOP	SZ	EP	C	1004	43.11
PSZ	SZ	EP	C	1004	34.24
PKSM	SZ	EP	C	1004	43.02
PKSG	SZ	EP		1004	38.90
BUD	XZ	EP	C	1004	37.53

March 13 2011 Hour: 11:37:29.0 Lat: 37.35°N Lon: 142.50°E M: 5.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	D	1149	48.26
PKS9	SZ	EP		1149	52.64
PKSG	SZ	EP	C	1149	49.33
PKSM	SZ	EP		1149	52.94
PKST	SZ	EP		1149	50.89
PSZ	SZ	EP		1149	44.55
SOP	SZ	EP		1149	53.62
TRPA	SZ	EP	C	1149	37.34
PSZ	SN	ES		1159	55.40
SOP	SN	ES	D	1200	08.47
PKSM	SN	ES		1200	08.47

March 13 2011 Hour: 14:48:01.0 Lat: 37.92°N Lon: 142.65°E M: 5.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	D	1500	17.69
PKSM	SZ	EP	D	1500	22.47
PSZ	SZ	EP	D	1500	13.84
SOP	SZ	EP	D	1500	22.39

March 14 2011 Hour: 01:02:40.0 Lat: 36.48°N Lon: 140.93°E M: 5.9 Depth: 18 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		0114	45.82
SOP	SZ	EP		0115	02.64
PSZ	SZ	EP		0114	53.64
PKST	SZ	EP		0114	59.77
PKSM	SZ	EP		0115	01.95
PKSG	SZ	EP		0114	58.88
PKS9	SZ	EP		0114	59.58
PKS7	SZ	EP		0114	59.08
PKS6	SZ	EP		0114	59.28
CSKK	SZ	EP		0114	59.18
BUD	XZ	EP		0115	02.64
BEHE	SZ	EP		0115	08.28
TRPA	SN	ES		0124	57.27
SOP	SN	ES		0125	26.52
PSZ	SN	ES		0125	13.02
PKSM	SN	ES		0125	23.52

March 14 2011 Hour: 03:15:53.0 Lat: 36.31°N Lon: 142.11°E M: 5.6 Depth: 33 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0328	12.23

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ SZ EP C 0328 07.78
 SOP SZ EP C 0328 17.06
 TRPA SZ EP C 0328 00.36

March 14 2011 Hour: 06:12:36.0 Lat: 37.95°N Lon: 142.50°E M: 6.1 Depth: 15 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D	0625	00.71
BUD	XZ	EP	D	0625	50.37
CSKK	SZ	EP		0624	53.83
PKS6	SZ	EP		0624	53.50
PKS7	SZ	EP		0624	53.17
PKS9	SZ	EP		0624	56.61
PKSG	SZ	EP	D	0624	53.33
PKST	SZ	EP		0624	54.48
PSZ	SZ	EP	D	0624	48.42
TRPA	SZ	EP	D	0624	40.71
SOP	SN	ES		0635	10.54
PKSM	SN	ES		0635	14.22
BUD	XN	ES		0635	59.75
BEHE	SN	ES		0635	27.56
PKSM	SZ	EP	D	0624	57.10
PKSM	SZ	EPP	D	0628	04.14
PSZ	SN	ES		0634	55.83
PSZ	SN	EPP		0627	45.98
SOP	SZ	EP	D	0624	57.43
SOP	SZ	EPP		0628	00.22
TRPA	SN	ES		0634	42.03
TRPA	SN	EPP		0627	37.07

March 14 2011 Hour: 09:13:37.9 Lat: 44.93°N Lon: 22.42°E M: 3.5 Depth: 4 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EPn		0914	23.21
TRPA	SZ	EPn		0914	27.50
PKSM	SN	Sn		0914	58.07
PSZ	SN	Sn		0915	09.00
PKSG	SN	Sn		0915	16.38
CSKK	SN	Sn		0915	18.60
BUD	XN	Sn		0915	13.43
PKSG	SZ	EPn		0914	36.95
PKS9	SZ	EPn		0914	31.63
CSKK	SZ	EPn		0914	36.51
BUD	XZ	EPn		0914	30.30
PKS9	SN	Sn		0915	07.67
TRPA	SE	Sn		0915	05.18
PKS6	SN	Sn		0914	53.11
PKS2	SN	Sn		0914	54.79

March 14 2011 Hour: 17:59:40.0 Lat: 37.42°N Lon: 142.36°E M: 5.7 Depth: 15 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP		1811	53.72
BUD	XZ	EP		1812	57.45
BEHE	SZ	EP	C	1812	06.81
TRPA	SN	ES		1821	49.53

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

SOP SE ES 1822 24.18
 PSZ SN ES 1822 05.36
 PKSM SN ES 1822 22.47
 PKSM SZ EP C 1812 03.54
 PKSM SZ EPP 1815 14.74
 SOP SZ EP C 1812 03.19
 SOP SZ EPP 1815 13.46
 TRPA SZ EP C 1811 46.49
 TRPA SZ EPP 1814 47.56

March 14 2011 Hour: 18:57:12.0 Lat: 38.66°N Lon: 44.17°E M: 4.7 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP 1901 47.56

March 14 2011 Hour: 19:28:29.0 Lat: 38.70°N Lon: 141.78°E M: 5.3 Depth: 40 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1940 31.71
 SOP SZ EP C 1940 40.77
 PKST SZ EP 1940 38.29
 PKSM SZ EP C 1940 40.46
 CSKK SZ EP D 1940 37.87

March 14 2011 Hour: 23:23:12.0 Lat: 40.07°N Lon: 142.64°E M: 5.1 Depth: 19 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 2335 22.85
 PSZ SZ EP C 2335 13.82
 SOP SZ EP C 2335 22.95
 TRPA SZ EP C 2335 06.64

March 15 2011 Hour: 03:25:20.0 Lat: 1.78°N Lon: 31.30°E M: 5.0 Depth: 10 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 0333 49.93
 PKSM SZ EP D 0333 47.79
 PSZ SZ EP D 0333 49.66
 SOP SZ EP D 0333 58.05

March 15 2011 Hour: 08:01:46.0 Lat: 40.47°N Lon: 143.26°E M: 5.4 Depth: 25 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 0813 55.80
 PSZ SZ EP C 0813 46.72
 SOP SZ EP C 0813 55.62
 PKSM SN ES 0823 58.35
 TRPA SZ EP C 0813 39.12
 TRPA SZ ES 0823 33.05

March 15 2011 Hour: 08:48:24.0 Lat: 37.58°N Lon: 143.57°E M: 5.3 Depth: 39 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0900 36.32
 PKSM SZ EP C 0900 45.61

March 15 2011 Hour: 09:49:53.0 Lat: 37.37°N Lon: 142.39°E M: 6.1 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 1002 19.94

BUD	XZ	EP	1002	11.26
CSKK	SZ	EP	1002	13.24
PKS2	SZ	EP	1002	14.16
PKS6	SZ	EP	1002	13.78
PKS7	SZ	EP	1002	13.93
PKS9	SZ	EP	1002	16.21
PKSG	SZ	EP	1002	12.79
PKSM	SZ	EP	1002	16.14
PKST	SZ	EP	1002	13.93
TRPA	SZ	EP	D 1001	59.84
PSZ	SZ	EP	D 1002	07.68
SOP	SZ	EP	D 1002	16.29
TRPA	SN	ES	1012	02.10
SOP	SN	ES	1012	35.03
PSZ	SN	ES	1012	18.27
PKSM	SN	ES	1012	35.03

March 15 2011 Hour: 11:46:20.0 Lat: 40.68°N Lon: 142.68°E M: 5.2 Depth: 19 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	C	1158	28.27
PSZ	SZ	EP	C	1158	19.01
SOP	SZ	EP	C	1158	27.81
TRPA	SZ	EP	C	1158	11.52

March 15 2011 Hour: 13:27:53.0 Lat: 37.62°N Lon: 142.40°E M: 6.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		1340	13.17
CSKK	SZ	EP		1340	14.62
PKS7	SZ	EP		1340	14.14
PKS9	SZ	EP		1340	16.78
PKSG	SZ	EP		1340	15.34
PKSM	SZ	EP		1340	16.30
PKST	SZ	EP		1340	15.58
PSZ	SZ	EP		1340	07.16
SOP	SZ	EP		1340	15.58
TRPA	SZ	EP		1339	58.50

March 15 2011 Hour: 13:31:47.0 Lat: 35.31°N Lon: 138.65°E M: 6.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	1344	04.51
CSKK	SZ	EP		1344	07.92
PKS7	SZ	EP		1344	05.56
PKS9	SZ	EP		1344	09.76
PKSG	SZ	EP		1344	07.66
PKSM	SZ	EP	C	1344	10.02
PKST	SZ	EP		1344	07.40
PSZ	SZ	EP	C	1344	00.30
SOP	SZ	EP		1344	10.02
TRPA	SZ	EP	C	1343	52.42

March 15 2011 Hour: 15:23:53.0 Lat: 40.39°N Lon: 143.17°E M: 6.0 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	1536	00.32

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BEHE SZ EP	C	1536	09.54
CSKK SZ EP		1536	02.46
PKS7 SZ EP		1536	02.46
PKS9 SZ EP		1536	04.93
PKSG SZ EP		1536	01.80
PKSM SZ EP	C	1536	05.76
PKST SZ EP		1536	03.12
PSZ SZ EP	C	1535	56.87
SOP SZ EP	C	1536	05.76
TRPA SZ EP	C	1535	49.62
TRPA SN ES		1545	42.65
SOP SN ES		1546	09.50
PSZ SN ES		1545	56.26
PKSM SN ES		1546	15.55
BUD XN ES		1546	03.83

March 15 2011 Hour: 20:29:57.0 Lat: 35.22°N Lon: 141.0°E M: 5.8 Depth: 9 4 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	2042	31.76
BUD	XZ	EP	C	2042	22.68
CSKK	SZ	EP		2042	23.81
PKS6	SZ	EP		2042	24.31
PKS7	SZ	EP		2042	24.00
PKS9	SZ	EP		2042	27.69
PKSG	SZ	EP	C	2042	24.12
PKSM	SZ	EP	C	2042	27.75
PSZ	SZ	EP	C	2042	19.18
PKST	SZ	EP		2042	25.37
SOP	SZ	EP	C	2042	28.50
TRPA	SZ	EP	C	2042	11.72
TRPA	SN	ES		2052	11.61
SOP	SN	ES		2052	48.07
PSZ	SN	ES		2052	31.10
PKSM	SN	ES		2052	47.35

March 15 2011 Hour: 21:34:05.0 Lat: 49.78°N Lon: 18.59°E M: 2.7 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPn		2134	46.47
PKSG	SZ	EPn		2134	45.98
PKST	SZ	EPn		2134	47.45
CSKK	SN	Sn		2135	17.22
PKSG	SN	Sn		2135	16.11
PKST	SN	Sn		2135	18.94

March 16 2011 Hour: 03:52:03.0 Lat: 35.83°N Lon: 140.74°E M: 5.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D	0404	33.06
BUD	XZ	EP	D	0404	24.04
CSKK	SZ	EP		0404	26.04
PKS6	SZ	EP	C	0404	26.44
PKS7	SZ	EP	C	0404	25.64
PKS9	SZ	EP		0404	29.25
PKSG	SZ	EP	D	0404	25.64

PKSM SZ EP D 0404 29.25
 PSZ SZ EP D 0404 20.03
 SOP SZ EP D 0404 29.65
 TRPA SZ EP D 0404 12.61

March 16 2011 Hour: 06:29:03.0 Lat: 39.96°N Lon: 142.07°E M: 5.8 Depth: 35 km

STAT CO PHASE P HRMM SECON
 PKSG SZ EP C 0641 07.83
 PKSM SZ EP C 0641 11.41
 PKST SZ EP D 0641 09.58
 PSZ SZ EP C 0641 02.00
 SOP SZ EP C 0641 11.57
 TRPA SZ EP C 0640 54.51

March 16 2011 Hour: 10:16:14.0 Lat: 39.82°N Lon: 143.40°E M: 5.1 Depth: 37 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 1028 08.80
 SOP SZ EP 1028 24.98
 PSZ SZ EP 1028 16.17
 PKSM SZ EP 1028 24.71

March 16 2011 Hour: 13:39:01.0 Lat: 35.90°N Lon: 140.42°E M: 5.6 Depth: 50 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 1351 20.43
 TRPA SZ EP C 1351 04.15
 SOP SZ EP C 1351 20.89
 PSZ SZ EP 1351 11.45

March 16 2011 Hour: 14:46:10.0 Lat: 38.61°N Lon: 141.62°E M: 5.4 Depth: 52 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1458 12.03
 SOP SZ EP C 1458 21.33
 TRPA SZ EP C 1458 04.38
 PKSM SZ EP C 1458 20.69

March 16 2011 Hour: 16:07:24.0 Lat: 38.54°N Lon: 20.43°E M: 4.3 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP_n 1609 10.70
 PSZ SZ EP_n 1609 37.06
 PSZ SN S_n 1611 22.49
 PKSM SE S_n 1610 42.97

March 16 2011 Hour: 20:44:45.0 Lat: 37.48°N Lon: 143.58°E M: 5.3 Depth: 40 km

STAT CO PHASE P HRMM SECON
 PKSG SZ EP C 2057 03.79
 PKSM SZ EP 2057 08.44
 PSZ SZ EP 2056 59.36
 SOP SZ EP C 2057 08.23

March 16 2011 Hour: 21:52:58.0 Lat: 42.43°N Lon: 19.57°E M: 3.5 Depth: 5 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 2154 14.84
 PKS6 SZ EP 2154 03.21

PKS7 SZ EP 2154 08.49
 PKS9 SZ EP D 2154 04.01
 PKSG SZ EP C 2154 14.75
 PKSM SZ EP 2153 57.75
 PKST SZ EP D 2154 13.32
 PKST SN Sn 2155 15.88
 PKSG SN Sn 2155 14.20
 PKS9 SN Sn 2154 55.35
 PKS7 SN Sn 2155 04.70
 PKS6 SN Sn 2154 52.44
 CSKK SE Sn 2155 13.13
 PKSM SN Sn 2154 44.63

March 16 2011 Hour: 22:03:21.0 Lat: 37.70°N Lon: 143.39°E M: 5.1 Depth: 35 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 2215 32.90
 SOP SZ EP D 2215 41.75
 PKSM SZ EP D 2215 41.97

March 16 2011 Hour: 23:38:19.0 Lat: 39.18°N Lon: 142.53°E M: 5.7 Depth: 31 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 2350 15.48
 SOP SZ EP 2350 32.55
 PSZ SZ EP 2350 23.91
 PKSM SZ EP 2350 32.55
 PKSG SZ EP 2350 28.93
 PKS9 SZ EP 2350 32.75
 BUD XZ EP 2350 27.13

March 17 2011 Hour: 00:42:51.0 Lat: 37.45°N Lon: 143.61°E M: 5.0 Depth: 40 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 0055 04.77
 SOP SZ EP D 0055 13.20
 PKSM SZ EP 0055 13.69
 TRPA SZ EP 0054 57.69

March 17 2011 Hour: 03:50:55.0 Lat: 36.42°N Lon: 142.79°E M: 5.3 Depth: 30 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP 0403 20.96
 PSZ SZ EP 0403 12.43
 SOP SZ EP 0403 21.57

March 17 2011 Hour: 04:13:58.0 Lat: 40.24°N Lon: 142.14°E M: 6.0 Depth: 40 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 0425 59.19
 PKS7 SZ EP 0426 01.12
 PKS9 SZ EP 0426 04.42
 PKSG SZ EP 0426 01.39
 PKSM SZ EP 0426 04.83
 PKST SZ EP 0426 03.04
 PSZ SZ EP C 0425 55.75
 TRPA SZ EP 0425 48.05
 SOP SZ EP C 0426 04.69

March 17 2011 Hour: 06:12:44.0 Lat: 37.77°N Lon: 143.38°E M: 5.6 Depth: 30 km

STAT CO PHASE P HRMM SECON
PKSM SZ EP 0625 00.73
PSZ SZ EP C 0624 56.30
SOP SZ EP 0625 05.07
TRPA SZ EP 0624 48.92

March 17 2011 Hour: 06:24:31.0 Lat: 37.33°N Lon: 142.11°E M: 5.3 Depth: 25 km

STAT CO PHASE P HRMM SECON
PSZ SZ EP C 0636 42.82
TRPA SZ EP 0636 35.69

March 17 2011 Hour: 06:42:47.0 Lat: 38.77°N Lon: 143.84°E M: 5.2 Depth: 44 km

STAT CO PHASE P HRMM SECON
PSZ SZ EP C 0654 55.12
TRPA SZ EP D 0654 47.28

March 17 2011 Hour: 08:03:04.0 Lat: 17.27°S Lon: 167.95°E M: 5.8 Depth: 28 km

STAT CO PHASE P HRMM SECON
PKSM SZ EP 0837 48.44
PSZ SZ EP D 0837 38.87
SOP SZ EP D 0837 47.75
TRPA SZ EP D 0837 31.25

March 17 2011 Hour: 12:32:02.0 Lat: 35.56°N Lon: 140.77°E M: 5.5 Depth: 20 km

STAT CO PHASE P HRMM SECON
PKSM SZ EP C 1244 27.56
PSZ SZ EP 1244 19.11
SOP SZ EP C 1244 28.22
TRPA SZ EP 1244 13.85

March 17 2011 Hour: 18:55:36.0 Lat: 37.16°N Lon: 142.38°E M: 5.5 Depth: 20 km

STAT CO PHASE P HRMM SECON
SOP SZ EP D 1907 58.84
TRPA SZ EP D 1907 42.56
PSZ SZ EP D 1907 50.05
PKST SZ EP D 1907 56.06
PKSM SZ EP D 1907 58.67
PKSG SZ EP D 1907 54.84
PKS9 SZ EP 1907 58.41
PKS7 SZ EP 1907 55.19
PKS6 SZ EP 1907 54.49
CSKK SZ EP 1907 55.88
BUD XZ EP 1907 53.71

March 18 2011 Hour: 00:41:22.0 Lat: 35.91°N Lon: 141.60°E M: 5.3 Depth: 49 km

STAT CO PHASE P HRMM SECON
TRPA SZ EP D 0053 27.86
SOP SZ EP D 0053 44.96
PSZ SZ EP D 0053 35.89
PKST SZ EP 0053 42.31
PKSM SZ EP D 0053 43.11

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKSG SZ EP C 0053 41.59

March 18 2011 Hour: 02:47:50.0 Lat: 37.37°N Lon: 141.73°E M: 5.2 Depth: 54 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 0259 57.81
 SOP SZ EP 0300 06.49
 TRPA SZ EP 0259 49.98
 PKSM SZ EP C 0300 05.53
 BUD XZ EP C 0300 01.31

March 18 2011 Hour: 03:23:56.0 Lat: 37.81°N Lon: 143.50°E M: 5.6 Depth: 19 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP 0336 20.79
 PSZ SZ EP 0336 10.35
 SOP SZ EP C 0336 19.32
 TRPA SZ EP 0336 03.42
 SOP SN ES 0346 38.94

March 18 2011 Hour: 08:01:34.0 Lat: 35.79°N Lon: 140.88°E M: 5.5 Depth: 25 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 0813 58.03
 PSZ SZ EP C 0813 49.46
 SOP SZ EP C 0813 58.38
 TRPA SZ EP C 0813 41.67

March 18 2011 Hour: 13:38:41.0 Lat: 37.75°N Lon: 143.34°E M: 5.1 Depth: 20 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP 1350 47.24
 PSZ SZ EP 1350 54.02
 PKSM SZ EP 1351 04.14
 SOP SZ EP 1350 45.79

March 18 2011 Hour: 15:03:01.0 Lat: 36.68°N Lon: 143.16°E M: 4.8 Depth: 47 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP 1515 07.73
 SOP SZ EP 1515 12.49
 PSZ SZ EP 1515 15.66
 PKSM SZ EP 1515 24.11

March 18 2011 Hour: 16:33:53.0 Lat: 51.45°N Lon: 16.12°E M: 3.6 Depth: 2 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPn 1635 00.06
 PKSG SZ EPn 1634 59.40
 PKSM SZ EPn 1635 15.94
 PSZ SZ EPn 1634 59.00
 SOP SZ EPn 1634 53.18
 TRPA SZ EPn 1635 13.43
 PSZ SN Sn 1635 51.41
 PKSM SN Sn 1636 21.86
 SOP SN Sn 1635 36.59
 SOP SN ESg 1635 57.55
 CSKK SN Sn 1635 50.88
 CSKK SN ESg 1636 13.78

PKSG SN Sn 1635 51.94
 PKSG SN ESg 1636 14.46

March 18 2011 Hour: 17:27:52.0 Lat: 35.16°N Lon: 141.57°E M: 5.0 Depth: 15 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 1741 22.23
 PSZ SZ EP C 1741 13.05
 SOP SZ EP C 1741 21.99
 TRPA SZ EP C 1741 05.98

March 18 2011 Hour: 19:16:47.0 Lat: 39.81°N Lon: 143.15°E M: 4.9 Depth: 32 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 1928 42.20
 PSZ SZ EP C 1928 49.74
 PKSM SZ EP 1928 58.59

March 18 2011 Hour: 19:53:05.0 Lat: 37.69°N Lon: 141.44°E M: 5.2 Depth: 48 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 2005 19.39
 PSZ SZ EP C 2005 10.94
 TRPA SZ EP C 2005 02.84
 SOP SZ EP C 2005 19.39

March 18 2011 Hour: 20:32:36.0 Lat: 37.36°N Lon: 141.62°E M: 5.1 Depth: 40 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 2044 36.77
 SOP SZ EP C 2044 52.75
 PSZ SZ EP 2044 43.95
 PKSM SZ EP C 2044 53.33

March 18 2011 Hour: 21:09:35.0 Lat: 37.57°N Lon: 144.96°E M: 5.2 Depth: 20 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 2122 00.23
 PSZ SZ EP D 2121 53.59
 TRPA SZ EP D 2121 46.21
 SOP SZ EP D 2122 01.92

March 18 2011 Hour: 23:33:01.0 Lat: 39.22°N Lon: 142.27°E M: 5.6 Depth: 37 km

STAT CO PHASE P HRMM SECON
 PKS6 SZ EP C 2345 08.33
 PKS7 SZ EP D 2345 08.60
 PKS9 SZ EP 2345 11.27
 PKSG SZ EP 2345 07.97
 PKSM SZ EP C 2345 12.07
 PKST SZ EP 2345 01.74
 PSZ SZ EP C 2345 02.98
 TRPA SZ EP C 2344 55.41
 SOP SZ EP C 2345 11.98

March 19 2011 Hour: 01:22:43.0 Lat: 39.72°N Lon: 143.00°E M: 5.9 Depth: 6 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 0134 42.43
 SOP SZ EP C 0134 58.98

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ	SZ	EP	C	0134	49.59
PKST	SZ	EP		0134	56.46
PKSM	SZ	EP	C	0134	58.98
PKSG	SZ	EP		0134	54.84
PKS9	SZ	EP		0134	58.07
PKS7	SZ	EP		0134	54.84
PKS6	SZ	EP		0134	55.25
BUD	XZ	EP	C	0134	53.13
TRPA	SN	ES		0144	35.65
SOP	SN	ES		0145	09.62
PSZ	SN	ES		0144	49.90
PKSM	SN	ES		0145	09.31

March 19 2011 Hour: 02:33:46.0 Lat: 0.85°N Lon: 97.42°E M: 5.2 Depth: 25 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0246	01.90
PSZ	SZ	EP		0245	58.22
TRPA	SZ	EP		0245	49.52

March 19 2011 Hour: 06:53:08.0 Lat: 39.99°N Lon: 143.09°E M: 5.2 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		0705	17.65
PSZ	SZ	EP		0705	08.92
SOP	SZ	EP		0705	11.42

March 19 2011 Hour: 09:56:48.0 Lat: 36.82°N Lon: 140.40°E M: 6.0 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		1009	07.35
PKS2	SZ	EP		1009	08.51
PKS6	SZ	EP		1009	06.03
PKS7	SZ	EP		1009	06.86
PKS9	SZ	EP		1009	09.84
PKSG	SZ	EP		1009	13.99
PKSM	SZ	EP	D	1009	08.35
PKST	SZ	EP		1009	06.69
PSZ	SZ	EP	D	1008	59.89
SOP	SZ	EP		1009	09.51
TRPA	SZ	EP	D	1008	52.10

March 19 2011 Hour: 18:43:07.0 Lat: 10.22°S Lon: 13.24°W M: 5.1 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		1853	38.88
CSKK	SZ	EP		1853	36.08
PKS6	SZ	EP		1853	36.08
PKS7	SZ	EP		1853	35.31
PKS9	SZ	EP		1853	34.97
PKSG	SZ	EP		1853	37.13
PKSM	SZ	EP		1853	30.71
PKST	SZ	EP	C	1853	35.24
PSZ	SZ	EP		1853	42.86
SOP	SZ	EP		1853	33.64
TRPA	SZ	EP		1853	59.41

March 19 2011 Hour: 20:08:11.0 Lat: 6.68°N Lon: 38.58°E M: 4.9 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		2016	09.93
PSZ	SZ	EP		2016	19.03
SOP	SZ	EP		2016	28.76
TRPA	SZ	EP		2016	15.83

March 20 2011 Hour: 01:09:44.0 Lat: 39.19°N Lon: 142.41°E M: 5.3 Depth: 33 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		0121	51.76
CSKK	SZ	EP	C	0121	53.69
PKS7	SZ	EP		0121	53.69
PKS9	SZ	EP	C	0121	56.47
PKSG	SZ	EP	C	0121	53.15
PKSM	SZ	EP	C	0121	56.70
PKST	SZ	EP	C	0121	54.31
PSZ	SZ	EP	C	0121	47.91
SOP	SZ	EP	C	0121	57.01
TRPA	SZ	EP	C	0121	40.35

March 20 2011 Hour: 01:24:44.0 Lat: 37.40°N Lon: 141.72°E M: 5.0 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	0136	45.10
SOP	SZ	EP	D	0137	02.48
PSZ	SZ	EP	C	0136	53.33
PKSM	SZ	EP	C	0137	02.01

March 20 2011 Hour: 01:30:46.0 Lat: 37.02°N Lon: 141.06°E M: 5.6 Depth: 28 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		0143	02.01
CSKK	SZ	EP		0143	02.24
PKS6	SZ	EP		0143	01.32
PKS7	SZ	EP		0143	01.32
PKS9	SZ	EP		0143	04.44
PKSG	SZ	EP		0143	01.89
PKSM	SZ	EP	D	0143	04.90
PKST	SZ	EP		0143	02.47
PSZ	SZ	EP	D	0142	56.34
SOP	SZ	EP	D	0143	05.25
TRPA	SZ	EP		0142	48.47

March 20 2011 Hour: 05:55:30.0 Lat: 37.76°N Lon: 141.42°E M: 5.3 Depth: 48 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	0607	35.34
TRPA	SZ	EP		0607	27.46
TRPA	SZ	EPP		0610	24.28
SOP	SZ	EP	C	0607	44.11
SOP	SZ	EPP		0610	39.88
PKSM	SZ	EP		0607	43.85
PKSM	SZ	EPP		0610	50.50

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

March 20 2011 Hour: 07:54:23.2 Lat: 40.02°N Lon: 143.25°E M: 5.2 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 TRPA SZ EP 0806 10.22
 SOP SZ EP D 0806 45.95
 PSZ SZ EP D 0806 35.60
 PKSM SZ EP 0806 28.01

March 20 2011 Hour: 08:26:10.0 Lat: 19.02°N Lon: 121.32°E M: 5.9 Depth: 31 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP 0838 41.34
 PKS2 SZ EP 0838 40.34
 PKS6 SZ EP 0838 39.60
 PKS9 SZ EP 0838 43.12
 PKSG SZ EP 0838 40.47
 PKSM SZ EP C 0838 42.19
 PKST SZ EP 0838 41.82
 PSZ SZ EP C 0838 35.10
 SOP SZ EP C 0838 45.64
 TRPA SZ EP C 0838 25.86

March 20 2011 Hour: 11:47:43.0 Lat: 18.82°S Lon: 174.87°W M: 5.3 Depth: 135 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP D 1207 16.19
 CSKK SZ EP C 1207 17.10
 PKS6 SZ EP D 1207 17.87
 PKS2 SZ EP D 1207 18.19
 PKS7 SZ EP D 1207 16.90
 PKS9 SZ EP C 1207 18.51
 PKSG SZ EP 1207 16.32
 PKSM SZ EP D 1207 18.71
 PSZ SZ EP D 1207 14.45
 PKST SZ EP 1207 16.77
 SOP SZ EP D 1207 17.48
 TRPA SZ EP D 1207 11.55

March 20 2011 Hour: 12:03:47.0 Lat: 39.39°N Lon: 141.87°E M: 5.8 Depth: 49 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP C 1215 50.39
 CSKK SZ EP C 1215 52.54
 PKS2 SZ EP 1215 53.26
 PKS6 SZ EP 1215 52.18
 PKS7 SZ EP C 1215 51.70
 PKS9 SZ EP C 1215 55.16
 PKSG SZ EP 1215 51.94
 PKSM SZ EP C 1215 55.64
 PKST SZ EP C 1215 53.26
 SOP SZ EP C 1215 56.00
 PSZ SZ EP C 1215 46.69
 TRPA SZ EP C 1215 39.18

March 20 2011 Hour: 15:20:27.0 Lat: 31.12°S Lon: 179.80°W M: 5.6 Depth: 313 km
 STAT CO PHASE P HRMM SECON
 SOP SZ EP C 1540 27.43

PSZ	SZ	EP		1540	20.01
PKSM	SZ	EP	D	1539	46.68
TRPA	SZ	EP	C	1540	13.24
BUD	XZ	EP		1539	47.50

March 20 2011 Hour: 17:08:54.0 Lat: 37.21°N Lon: 143.88°E M: 5.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKST	SZ	EP		1721	19.17
PSZ	SZ	EP	D	1721	12.97
PKSG	SZ	EP	D	1721	17.72
PKS9	SZ	EP	C	1721	21.26
PKS7	SZ	EP	C	1721	17.83
SOP	SZ	EP	D	1721	21.70
TRPA	SZ	EP	D	1721	05.83
PKSM	SZ	EP		1721	19.54

March 21 2011 Hour: 00:04:13.0 Lat: 44.90°N Lon: 17.22°E M: 3.6 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		0005	19.46
PKSM	SZ	EPn		0004	46.36
PKST	SN	Sn		0005	24.34
PKST	SN	ESg		0005	35.62
PKSG	SN	Sn		0005	29.38
PKSG	SN	ESg		0005	40.86
PSZ	SN	Sn		0005	51.93
PSZ	SN	ESg		0006	10.82
SOP	SN	Sn		0005	34.85
SOP	SN	ESg		0005	45.54
BUD	XZ	EPn		0004	59.40
CSKK	SZ	EPn		0004	55.20
CSKK	SZ	EPg		0005	04.43
PKS6	SZ	EPn		0004	52.57
PKS6	SZ	EPg		0004	59.40
PKS7	SZ	EPn		0004	55.20
PKS7	SZ	EPg		0005	02.39
PKS9	SZ	EPn		0004	50.30
PKS9	SZ	EPg		0004	52.45
PKSG	SZ	EPn		0004	56.92
PKSG	SZ	EPg		0005	04.19
PKST	SZ	EPn		0004	54.24
PKST	SZ	EPg		0005	01.43
SOP	SZ	EPn		0004	59.44
SOP	SZ	EPg		0005	05.27
BUD	XN	Sn		0005	36.49
BUD	XN	ESg		0005	49.61
PKS6	SN	Sn		0005	23.90
PKS6	SN	ESg		0005	34.15
PKS7	SN	Sn		0005	27.95
PKS7	SN	ESg		0005	38.71
CSKK	SN	Sn		0005	28.50
CSKK	SN	ESg		0005	39.23
PKSM	SN	Sn		0005	06.17
PKSM	SN	ESg		0005	09.04

March 21 2011 Hour: 05:54:12.0 Lat: 36.62°N Lon: 142.01°E M: 5.1 Depth: 36 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		0606	19.35
PSZ	SZ	EP		0606	26.15
PKSM	SZ	EP		0606	34.84

March 21 2011 Hour: 09:49:03.0 Lat: 36.64°N Lon: 71.04°E M: 5.8 Depth: 205 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	0956	13.86
CSKK	SZ	EP		0956	18.40
PKS2	SZ	EP		0956	14.51
PKS6	SZ	EP		0956	12.45
PKS7	SZ	EP		0956	13.42
PKS9	SZ	EP		0956	18.40
TRPA	SZ	EP		0955	54.37
TRPA	SZ	EPP		0956	58.05
SOP	SZ	EP	C	0956	27.18
SOP	SZ	EPP		0957	31.80
PSZ	SZ	EP	C	0956	09.09
PSZ	SZ	EPP		0957	10.65
PKST	SZ	EP	D	0956	19.81
PKST	SZ	EPP		0957	28.65
PKSM	SZ	EP	C	0956	16.67
PKSM	SZ	EPP		0957	19.65
PKSG	SZ	EP		0956	17.65
PKSG	SZ	EPP		0957	22.80

March 21 2011 Hour: 10:36:49.0 Lat: 13.97°N Lon: 120.62°E M: 5.4 Depth: 94 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	C	1049	29.26
PSZ	SZ	EP	C	1049	22.46
TRPA	SZ	EP	C	1049	14.01

March 21 2011 Hour: 12:37:36.0 Lat: 37.50°N Lon: 142.40°E M: 5.2 Depth: 26 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		1249	50.87
PSZ	SZ	EP	D	1249	47.64
TRPA	SZ	EP	D	1249	40.18
SOP	SZ	EP	C	1249	56.84

March 22 2011 Hour: 03:38:34.0 Lat: 35.26°N Lon: 141.01°E M: 5.9 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP	C	0351	03.63
PSZ	SZ	EP		0350	54.74
PKST	SZ	EP		0351	00.80
PKSM	SZ	EP	C	0351	03.05
PKSG	SZ	EP		0350	59.83
PKS9	SZ	EP		0351	02.09
PKS7	SZ	EP		0351	00.22
PKS6	SZ	EP		0350	59.79
CSKK	SZ	EP		0351	00.65
BUD	XZ	EP		0350	58.46

TRPA SZ EP C 0350 47.18

March 22 2011 Hour: 07:18:45.0 Lat: 37.23°N Lon: 144.09°E M: 6.6 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0731	10.86
PKS2	SZ	EP		0731	12.83
PKS6	SZ	EP		0731	11.35
PKS7	SZ	EP		0731	09.75
PKS9	SZ	EP		0731	13.45
PKST	SZ	EP		0731	10.61
PKST	SZ	EPP		0734	24.37
PKSG	SZ	EP		0731	09.75
PKSG	SZ	EPP		0734	24.77
BUD	XZ	EP		0731	09.75
BUD	XZ	EPP		0734	21.53
PSZ	SZ	EP		0731	03.95
PSZ	SZ	EPP		0734	16.26
PSZ	SZ	ES		0741	21.27
SOP	SN	ES		0741	34.48
TRPA	SN	ES		0741	05.70
PKSM	SN	ES		0741	41.25
PKSG	SN	ES		0741	29.06
BUD	XN	ES	D	0741	29.40
CSKK	SN	ES		0741	31.77
TRPA	SZ	EP		0730	57.91
TRPA	SZ	EPP		0734	04.09
TRPA	SZ	ESS		0746	20.57
SOP	SZ	EP		0731	13.94
SOP	SZ	EPP		0734	27.61
SOP	SZ	ESS		0746	52.36
PKSM	SZ	EPP		0734	28.83
PKSM	SZ	ESS		0746	49.76

March 22 2011 Hour: 09:19:06.0 Lat: 37.35°N Lon: 141.83°E M: 6.3 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0931	21.91
SOP	SZ	EP	D	0931	25.48
PSZ	SN	ES		0941	17.85
PKSM	SN	ES		0941	39.81
CSKK	SE	ES		0941	32.49
TRPA	SZ	EP	D	0931	08.69
TRPA	SZ	ES		0941	16.38
TRPA	SZ	EPP		0934	08.81
SOP	SN	ES		0941	44.20
SOP	SN	EPP		0934	38.00
PSZ	SZ	EP	D	0931	16.17
PSZ	SZ	EPP		0934	17.82
PKSM	SZ	EP	D	0931	25.16
PKSM	SZ	EPP		0934	38.62
BUD	XZ	EP		0931	19.31
BUD	XZ	EPP		0934	29.00

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

March 22 2011 Hour: 09:44:28.0 Lat: 39.89°N Lon: 143.45°E M: 6.6 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP	C	0956	44.40
PKST	SZ	EP		0956	41.77
PKS9	SZ	EP		0956	43.57
PKS7	SZ	EP		0956	40.25
PKS2	SZ	EP		0956	41.35
CSKK	SZ	EP		0956	41.63
BUD	XZ	EP	C	0956	39.00
BEHE	SZ	EP	C	0956	41.49
TRPA	SN	ES		1006	25.09
PSZ	SZ	EP	C	0956	35.41
PSZ	SZ	ES		1006	32.43
PKSM	SN	ES		1006	52.31
PKSG	SZ	EP		0956	40.94
PKSG	SZ	ES		1006	45.83
PKSM	SZ	EP	C	0956	44.40
PKSM	SZ	EPP		0959	51.45
PSZ	SN	EPP	C	0959	34.98
TRPA	SZ	EP	C	0956	27.26
TRPA	SZ	EPP		0959	25.58
SOP	SN	ES		1006	57.06
SOP	SN	EPP		0959	22.05

March 22 2011 Hour: 11:21:38.0 Lat: 39.81°N Lon: 143.09°E M: 5.5 Depth: 25 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	C	1133	51.10
SOP	SZ	EP	C	1133	51.10
TRPA	SZ	EP	C	1133	34.51
TRPA	SZ	ES		1143	04.84
PSZ	SZ	EP	C	1133	42.27
PSZ	SZ	ES		1144	01.12

March 22 2011 Hour: 12:01:22.0 Lat: 36.89°N Lon: 143.36°E M: 5.6 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	D	1213	51.89
TRPA	SZ	EP	C	1213	33.48
TRPA	SZ	EPP		1216	11.35
SOP	SZ	EP		1213	52.00
SOP	SZ	EPP		1216	41.63
PSZ	SZ	EP		1213	39.43
PSZ	SZ	EPP		1216	23.06
PKSM	SN	EPP		1216	46.87

March 22 2011 Hour: 12:56:25.0 Lat: 37.12°N Lon: 144.01°E M: 5.8 Depth: 29 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		1308	50.83
PSZ	SZ	EP	D	1308	42.38
SOP	SZ	EP		1308	51.18
TRPA	SZ	EP	D	1308	35.10

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

March 22 2011 Hour: 13:31:29.0 Lat: 33.03°S Lon: 16.02°W M: 6.2 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1344	01.55
BUD	XZ	EP	C	1344	23.28
CSKK	SZ	EP		1344	08.77
PKS2	SZ	EP	C	1344	06.90
PKS6	SZ	EP		1344	07.58
PKS7	SZ	EP		1344	08.68
PKS9	SZ	EP		1344	05.29
PKSG	SZ	EP		1344	08.60
PKSM	SZ	EP	C	1344	03.76
PKST	SZ	EP		1344	07.75
TRPA	SZ	EP	C	1344	18.44
PSZ	SZ	EP		1344	13.10
SOP	SZ	EP	C	1344	07.49

March 22 2011 Hour: 13:50:51.0 Lat: 35.88°N Lon: 141.58°E M: 5.9 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C	1403	02.08
TRPA	SZ	EPP		1406	04.41
SOP	SN	EPP		1406	32.64
SOP	SZ	EP	C	1403	18.71
SOP	SZ	EPP		1406	31.75
PSZ	SZ	EP	C	1403	09.59
PSZ	SZ	EPP		1406	16.89
PKSM	SZ	EP	C	1403	17.97
PKSM	SZ	EPP		1406	40.37
SOP	SE	ES		1413	40.08
PSZ	SN	ES		1413	23.10
PKSM	SN	ES		1413	43.94

March 22 2011 Hour: 15:03:46.0 Lat: 35.87°N Lon: 141.64°E M: 6.0 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1516	11.96
BUD	XZ	EP		1516	09.63
PSZ	SZ	EP	C	1516	06.37
SOP	SZ	EP	C	1516	14.61
SOP	SZ	EPP		1519	26.05
TRPA	SZ	EP	C	1515	58.13
TRPA	SZ	EPP		1519	00.18
PKSM	SZ	EP	C	1516	14.14
PKSM	SZ	EPP		1519	25.64

March 22 2011 Hour: 15:49:26.0 Lat: 39.24°N Lon: 142.39°E M: 5.4 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		1601	22.90
PSZ	SZ	EP		1601	21.94
SOP	SZ	EP		1601	25.77
TRPA	SZ	EP		1601	23.14

March 22 2011 Hour: 16:12:06.0 Lat: 35.71°N Lon: 141.71°E M: 5.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		1624	34.73

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ SZ EP C 1624 24.66
 SOP SZ EP D 1624 34.60
 TRPA SZ EP D 1624 18.03

March 22 2011 Hour: 22:12:30.0 Lat: 37.12°N Lon: 140.75°E M: 5.8 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	IP		2224	48.94
PKSG	SZ	IP		2224	48.83
PKSM	SZ	IP		2224	51.71
PKST	SZ	IP		2224	49.29
PSZ	SZ	IP		2224	43.53
SOP	SZ	IP		2224	52.52
TRPA	SZ	IP		2224	35.47

March 22 2011 Hour: 22:36:32.0 Lat: 37.13°N Lon: 140.60°E M: 5.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		2248	55.13
BUD	XZ	EP		2248	46.37
CSKK	SZ	EP		2248	48.01
PKS7	SZ	EP	D	2248	47.66
PKS9	SZ	EP		2248	51.63
PKSG	SZ	EP		2248	47.89
PKSM	SZ	EP		2248	51.28
PKST	SZ	EP		2248	48.94
PSZ	SZ	EP	D	2248	42.64
SOP	SZ	EP	D	2248	51.98
TRPA	SZ	EP	D	2248	34.47

March 23 2011 Hour: 11:17:53.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		1119	03.21
PSZ	SN	ESg		1119	06.45

March 23 2011 Hour: 14:14:38.0 Lat: 20.98°S Lon: 178.48°W M: 5.1 Depth: 552 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1433	23.76
CSKK	SZ	EP		1433	26.43
PKS2	SZ	EP		1433	26.08
PKS6	SZ	EP		1433	26.72
PKS7	SZ	EP		1433	26.08
PKS9	SZ	EP		1433	26.14
PKSG	SZ	EP		1433	25.91
PKSM	SZ	EP	D	1433	27.94
PKST	SZ	EP		1433	26.37
PSZ	SZ	EP		1433	24.28
SOP	SZ	EP	D	1433	27.24
TRPA	SZ	EP	D	1433	20.68

March 24 2011 Hour: 03:58:09.0 Lat: 38.66°N Lon: 142.79°E M: 5.3 Depth: 37 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		0410	07.89
SOP	SZ	EP	C	0410	24.40
PSZ	SZ	EP	C	0410	15.55

PKSM SZ EP 0410 23.85
 BUD XZ EP 0410 22.67

March 24 2011 Hour: 08:21:01.0 Lat: 39.13°N Lon: 142.13°E M: 5.9 Depth: 35 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	C	0833	12.12
PSZ	SZ	EP	C	0833	03.78
SOP	SZ	EP	C	0833	12.84
TRPA	SZ	EP	C	0832	55.53
BUD	XZ	EP		0833	06.59
BEHE	SZ	EP	C	0833	08.95
PKSM	SN	ES	D	0843	26.40
SOP	SN	ES		0843	25.82

March 24 2011 Hour: 13:55:12.0 Lat: 20.70°N Lon: 99.84°E M: 6.7 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1406	29.17
BUD	XZ	EP		1406	18.36
CSKK	SZ	EP		1406	20.77
PKS2	SZ	EP		1406	21.54
PKS6	SZ	EP		1406	21.16
PKS7	SZ	EP		1406	21.64
PKS9	SZ	EP		1406	22.51
PKST	SZ	EP		1406	22.41
TRPA	SZ	EP		1406	03.00
TRPA	SN	ES		1414	57.70
SOP	SN	ES	C	1415	33.69
PSZ	SN	ES		1415	18.37
PKST	SN	ES		1415	35.12
PKSM	SN	ES		1415	30.84
PKSG	SZ	EP		1406	20.67
PKSG	SZ	ES		1415	35.83
BUD	XN	ES		1415	27.28
BEHE	SN	ES		1415	42.24
PKSM	SZ	EP		1406	20.96
PSZ	SZ	EP	C	1406	14.49
SOP	SZ	EP		1406	28.11

March 24 2011 Hour: 15:54:36.0 Lat: 20.76°N Lon: 99.73°E M: 5.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		1605	25.14
SOP	SZ	EP		1605	51.04
PSZ	SZ	EP		1605	36.77
PKSM	SZ	EP		1605	42.98

March 25 2011 Hour: 11:36:24.0 Lat: 38.83°N Lon: 141.92°E M: 6.5 Depth: 41 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C	1148	20.32
SOP	SZ	EP	C	1148	36.72
PSZ	SZ	EP	C	1148	28.01
PKST	SZ	EP		1148	34.19
PKSM	SZ	EP	C	1148	36.84
PKSG	SZ	EP	C	1148	32.68

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKS9	SZ	EP		1148	34.82
PKS7	SZ	EP		1148	33.06
PKS6	SZ	EP		1148	32.93
CSKK	SZ	EP		1148	33.44
BUD	XZ	EP	C	1148	31.54
BEHE	SZ	EP	C	1148	40.12
TRPA	SN	ES	C	1158	16.85
SOP	SN	ES	D	1158	46.87
PSZ	SN	ES		1158	30.44
PKSM	SN	ES		1158	49.40
BUD	XN	ES		1158	30.44

March 25 2011 Hour: 14:48:51.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SN	ESg		1451	02.54
PSZ	SZ	EPg	C	1450	58.66

March 26 2011 Hour: 08:02:21.0 Lat: 37.41°N Lon: 142.57°E M: 4.8 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	0814	26.93
PSZ	SZ	EP		0814	34.50

March 26 2011 Hour: 10:18:36.0 Lat: 38.65°N Lon: 141.73°E M: 5.2 Depth: 52 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		1030	29.84
SOP	SZ	EP	C	1030	46.50
PKSM	SZ	EP	C	1030	46.50
PSZ	SZ	EP	C	1030	37.47

March 26 2011 Hour: 22:49:41.0 Lat: 15.86°S Lon: 179.38°W M: 6.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	2309	24.86
BUD	XZ	EP	C	2309	19.94
CSKK	SZ	EP		2309	20.62
PKS6	SZ	EP		2309	21.58
PKS7	SZ	EP		2309	20.76
PKS9	SZ	EP		2309	21.17
PKSG	SZ	EP		2309	20.49
PKSM	SZ	EP		2309	22.40
PKST	SZ	EP		2309	20.76
PSZ	SZ	EP	C	2309	17.34
SOP	SZ	EP	C	2309	22.26
TRPA	SZ	EP		2309	09.00

March 27 2011 Hour: 03:20:19.0 Lat: 40.30°N Lon: 142.24°E M: 5.1 Depth: 47 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C	0332	07.75
SOP	SZ	EP	C	0332	24.52
PSZ	SZ	EP	C	0332	15.34
PKSM	SZ	EP	C	0332	23.66

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

March 27 2011 Hour: 05:07:55.0 Lat: 40.20°N Lon: 141.77°E M: 4.9 Depth: 54 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP	C	0519	58.22
TRPA	SZ	EP	C	0519	41.92
PKSM	SZ	EP	C	0519	58.78
PSZ	SZ	EP	C	0519	49.83

March 27 2011 Hour: 13:41:35.0 Lat: 39.01°N Lon: 142.39°E M: 5.5 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	1353	30.23
SOP	SZ	EP	D	1353	47.01
PSZ	SZ	EP	D	1353	38.02
PKST	SZ	EP		1353	44.41
PKSG	SZ	EP	D	1353	43.20
PKS9	SZ	EP		1353	46.32
PKS7	SZ	EP	C	1353	43.46

March 27 2011 Hour: 22:23:56.0 Lat: 38.40°N Lon: 142.12°E M: 6.5 Depth: 6 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP		2236	16.27
PSZ	SZ	EP		2236	06.67
PKST	SZ	EP		2236	13.59
PKSM	SZ	EP		2236	14.49
PKSG	SZ	EP		2236	13.15
PKS9	SZ	EP		2236	15.60
PKS7	SZ	EP		2236	11.69
PKS6	SZ	EP		2236	12.03
CSKK	SZ	EP		2236	12.48
BEHE	SZ	EP		2236	19.29
TRPA	SN	EPP		2238	56.28
TRPA	SZ	EP		2235	59.18
TRPA	SZ	ES		2245	54.35
SOP	SN	EPP		2239	28.78
SOP	SN	ES		2246	26.34
PSZ	SN	EPP		2239	09.34
PSZ	SN	ES		2246	08.99
PKSM	SN	EPP		2239	16.33
PKSM	SN	ES		2246	24.64
PKST	SN	ES		2246	24.64
BUD	XZ	EP		2236	11.25
BUD	XZ	EPP		2239	20.28
BUD	XZ	ES		2246	17.57
BEHE	SN	ES		2246	33.22

March 29 2011 Hour: 10:48:18.0 Lat: 23.24°N Lon: 124.54°E M: 5.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	D	1100	47.61
PSZ	SZ	EP	D	1100	40.10
SOP	SZ	EP		1100	41.80
TRPA	SZ	EP	D	1100	30.98

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

March 29 2011 Hour: 10:54:32.0 Lat: 37.40°N Lon: 142.38°E M: 6.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP		1106	47.58
SOP	SZ	EP		1106	55.79
TRPA	SZ	EP		1106	39.37
PKSM	SZ	EP	D	1106	55.79
PKSM	SZ	ES		1117	09.83
PSZ	SN	ES		1116	52.47
SOP	SN	ES		1117	11.05
TRPA	SN	ES		1116	40.35

March 29 2011 Hour: 16:35:48.0 Lat: 39.65°N Lon: 143.49°E M: 5.5 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
PKSG	SZ	EP	C	1647	58.33
PKSM	SZ	EP	C	1648	03.18
PKST	SZ	EP		1648	00.59
PSZ	SZ	EP	C	1647	54.29
SOP	SZ	EP	C	1648	03.83
TRPA	SZ	EP	C	1647	47.02
TRPA	SN	ES		1657	37.79
SOP	SN	ES		1658	07.31
PSZ	SN	ES		1657	55.31
PKSM	SN	ES		1658	11.20

March 30 2011 Hour: 02:02:51.0 Lat: 50.09°N Lon: 18.39°E M: 3.3 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		0203	50.45
CSKK	SZ	EPn		0203	36.95
PKSG	SZ	EPn		0203	36.95
PKSM	SZ	EPn		0203	51.32
PKST	SZ	EPn		0203	36.95
PSZ	SZ	EPn		0203	33.31
SOP	SZ	EPn		0203	34.18
CSKK	SN	Sn		0204	06.20
PKST	SN	Sn		0204	10.53
PSZ	SN	Sn		0204	05.51
BEHE	SN	Sn		0204	33.55
SOP	SN	Sn		0204	07.73
PKSM	SN	Sn		0204	36.41
PKSG	SN	Sn		0204	09.02
PKS9	SN	Sn		0204	29.38
PKS9	SZ	EPn		0203	46.45

March 30 2011 Hour: 02:50:09.0 Lat: 37.96°N Lon: 143.60°E M: 5.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		0302	17.29
SOP	SZ	EP		0302	37.24
PSZ	SZ	EP		0302	23.08
PKSM	SZ	EP		0302	31.83

March 30 2011 Hour: 04:17:14.0 Lat: 51.55°N Lon: 16.08°E M: 4.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		0418	19.98

PKSM	SZ	EPn	0418	36.51
PKSM	SN	Sn	0419	39.13
PKS7	SN	Sn	0419	28.03
PKS7	SZ	EPn	0418	29.18
SOP	SZ	EPn	0418	13.71
SOP	SN	Sn	0419	02.64
SOP	SN	ESg	0419	20.30
PSZ	SN	Sn	0419	15.09
PSZ	SN	ESg	0419	37.79

March 30 2011 Hour: 05:29:52.0 Lat: 36.21°N Lon: 142.47°E M: 6.0 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0542	24.08
PKSG	SZ	EP		0542	18.21
PKSM	SZ	EP		0542	20.73
PKST	SZ	EP		0542	17.65
PSZ	SZ	EP	C	0542	11.77
SOP	SZ	EP	C	0542	20.45
TRPA	SZ	EP	C	0542	03.94
TRPA	SZ	EPP	D	0545	05.14
SOP	SN	EPP		0545	32.71
BUD	XZ	EP		0542	15.97
BUD	XZ	EPP		0545	27.59
BEHE	SN	EPP		0545	40.67
TRPA	SE	ES		0552	12.53
SOP	SE	ES		0552	45.09
PSZ	SN	EPP		0545	33.56
PSZ	SN	ES		0552	25.89
PKST	SN	ES	C	0552	41.75
PKSM	SN	EPP		0545	35.55
PKSM	SN	ES	D	0552	44.67
PKSG	SN	ES	C	0552	37.99
BEHE	SE	ES		0552	49.68
BUD	XN	ES		0552	47.59

March 30 2011 Hour: 12:51:37.0 Lat: 35.36°N Lon: 141.03°E M: 5.4 Depth: 21 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	1303	55.66
SOP	SZ	EP		1304	04.74
TRPA	SZ	EP	C	1303	47.96

March 30 2011 Hour: 13:00:05.0 Lat: 38.72°N Lon: 141.97°E M: 5.2 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	1312	08.04
SOP	SZ	EP	C	1312	17.12
TRPA	SZ	EP	C	1312	00.79

March 30 2011 Hour: 13:19:06.0 Lat: 36.78°N Lon: 140.74°E M: 5.1 Depth: 54 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C	1331	05.69
SOP	SZ	EP		1331	22.17
PSZ	SZ	EP	C	1331	13.33

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

March 31 2011 Hour: 00:11:57.0 Lat: 16.61°S Lon: 177.39°W M: 6.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0031	39.77
BUD	XZ	EP		0031	38.29
CSKK	SZ	EP		0031	36.81
PKS6	SZ	EP		0031	39.03
PKS7	SZ	EP		0031	37.92
PKS9	SZ	EP		0031	38.29
PKSG	SZ	EP		0031	35.70
PKST	SZ	EP		0031	36.81
PSZ	SZ	EP		0031	36.07
SOP	SZ	EP		0031	40.51
TRPA	SZ	EP		0031	31.25

March 31 2011 Hour: 02:31:18.0 Lat: 37.30°N Lon: 143.98°E M: 5.0 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C	0243	27.31
SOP	SZ	EP	D	0243	42.65
PSZ	SZ	EP	C	0243	34.26

March 31 2011 Hour: 03:25:39.0 Lat: 36.86°N Lon: 141.76°E M: 4.8 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	0337	50.03
TRPA	SZ	EP	C	0337	42.58
SOP	SZ	EP		0337	57.67

March 31 2011 Hour: 07:15:30.0 Lat: 38.97°N Lon: 141.85°E M: 6.1 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0727	44.48
BUD	XZ	EP	C	0728	34.09
CSKK	SZ	EP	C	0727	37.49
PKS2	SZ	EP		0727	37.49
PKS6	SZ	EP		0727	37.49
PKS7	SZ	EP		0727	36.85
PKS9	SZ	EP		0727	40.24
PKSG	SZ	EP	C	0727	36.85
PKST	SZ	EP		0727	38.33
PSZ	SZ	EP	C	0727	31.97
SOP	SZ	EP	C	0727	40.67
TRPA	SZ	EP	C	0727	24.13
TRPA	SN	ES		0737	20.60
SOP	SN	ES		0737	45.95
PSZ	SN	ES		0737	28.93

March 31 2011 Hour: 19:35:01.0 Lat: 37.72°N Lon: 142.38°E M: 5.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		1947	06.59
SOP	SZ	EP	D	1947	23.64
PSZ	SZ	EP		1947	13.44

April 01 2011 Hour: 11:57:53.0 Lat: 39.38°N Lon: 141.93°E M: 6.0 Depth: 35 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SN	ES		1220	09.87

SOP	SN	ES		1220	01.60
BUD	XZ	IP	C	1209	58.44
PKS2	SZ	IP		1210	01.84
PKS6	SZ	IP		1210	00.83
PKSG	SZ	IP	C	1210	00.46
PKS9	SZ	IP		1210	03.35
CSKK	SZ	IP	C	1210	01.03
PKS7	SZ	IP	C	1210	00.22
PSZ	SZ	IP	C	1209	55.18
SOP	SZ	IP	C	1210	04.18
TRPA	SZ	IP	C	1209	47.51

April 01 2011 Hour: 12:15:13.0 Lat: 36.91°N Lon: 140.81°E M: 5.0 Depth: 37 km
 STAT CO PHASE P HRMM SECON
 PSZ BZ EP C 1227 20.46

April 01 2011 Hour: 11:57:53.0 Lat: 39.38°N Lon: 141.93°E M: 6.0 Depth: 35 km
 STAT CO PHASE P HRMM SECON
 PSZ BZ ESS 1224 58.23

April 01 2011 Hour: 14:44:35.0 Lat: 36.30°N Lon: 141.56°E M: 5.4 Depth: 34 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP 1456 44.55
 SOP SZ EP C 1457 08.55
 TRPA SZ EP 1456 40.98
 PKSG SZ EP 1457 05.30
 PKST SZ EP 1457 07.16
 PKS9 SZ EP 1457 09.09
 PKS7 SZ EP 1457 05.29
 BEHE SZ EP 1457 12.44
 CSKK SZ EP 1456 56.06

April 01 2011 Hour: 14:59:47.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg C 1501 51.21
 PSZ SN ESg 1501 53.25

April 01 2011 Hour: 17:03:47.0 Lat: 40.45°N Lon: 143.10°E M: 5.6 Depth: 20 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 1716 01.10
 BUD XZ EP 1715 52.36
 CSKK SZ EP 1715 54.76
 PKS6 SZ EP 1715 54.90
 PKS7 SZ EP 1715 53.63
 PKS9 SZ EP 1715 57.29
 PKSG SZ EP 1715 54.33
 PKST SZ EP C 1715 55.18
 PSZ SZ EP C 1715 48.98
 SOP SZ EP C 1715 57.71
 TRPA SZ EP C 1715 41.23

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

April 01 2011 Hour: 23:57:25.0 Lat: 17.14°S Lon: 174.47°W M: 4.6 Depth: 193 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP 2416 48.89
 PKS6 SZ EP 2416 50.14
 PKS7 SZ EP 2416 49.40
 PKS9 SZ EP 2416 50.88
 PKSG SZ EP C 2416 49.07
 PKST SZ EP 2416 49.31
 BEHE SZ EP 2416 51.72

April 02 2011 Hour: 04:08:10.0 Lat: 38.88°N Lon: 141.91°E M: 5.2 Depth: 60 km
 STAT CO PHASE P HRMM SECON
 SOP SZ EP D 0420 19.69
 PSZ SZ EP 0420 10.88
 PKST SZ EP 0420 16.95
 PKSG SZ EP D 0420 15.87
 PKS9 SZ EP 0420 19.40
 PKS7 SZ EP 0420 15.97
 PKS6 SZ EP 0420 16.95
 CSKK SZ EP D 0420 16.75
 BUD XZ EP 0420 14.99
 BEHE SZ EP 0420 18.64

April 03 2011 Hour: 03:09:11.0 Lat: 37.05°N Lon: 141.97°E M: 5.1 Depth: 25 km
 STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 0321 17.33
 SOP SZ EP C 0321 33.20
 PSZ SZ EP D 0321 24.74
 PKST SZ EP 0321 30.60
 PKSG SZ EP D 0321 29.94
 PKS9 SZ EP 0321 31.77
 PKS7 SZ EP 0321 29.16
 PKS6 SZ EP 0321 31.12
 CSKK SZ EP 0321 29.94
 BUD XZ EP 0321 27.08
 BEHE SZ EP 0321 34.60

April 03 2011 Hour: 07:38:46.0 Lat: 37.68°N Lon: 141.45°E M: 5.3 Depth: 58 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0751 03.32
 BUD XZ EP 0750 53.51
 CSKK SZ EP 0750 48.12
 PKS2 SZ EP 0750 51.16
 PKS6 SZ EP 0750 56.00
 PKS7 SZ EP 0750 55.86
 PKS9 SZ EP 0750 59.59
 PKSG SZ EP D 0750 56.42
 PKST SZ EP D 0750 57.38
 PSZ SZ EP C 0750 51.03
 SOP SZ EP C 0751 00.01
 TRPA SZ EP C 0750 43.39

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

April 03 2011 Hour: 13:18:05.0 Lat: 36.88°N Lon: 142.10°E M: 5.1 Depth: 15 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1330 20.85
 SOP SZ EP C 1330 29.86
 TRPA SZ EP C 1330 13.39

April 03 2011 Hour: 14:07:08.0 Lat: 17.60°S Lon: 178.58°W M: 6.5 Depth: 532 km
 STAT CO PHASE P HRMM SECON
 PKST SZ EP D 1425 51.81
 SOP SZ EP D 1425 52.72
 SOP SZ ES 1436 20.15
 PSZ SZ EP D 1425 48.75
 TRPA SZ EP D 1425 45.29
 PKSG SZ EP D 1425 51.20
 PKSG SZ ES 1436 21.26
 PKS7 SZ EP D 1425 51.81
 PKS7 SZ ES 1436 25.73
 PKS2 SZ EP D 1425 53.13
 PKS2 SZ ES 1436 21.26
 BUD XZ EP D 1425 50.79
 BUD XZ ES 1436 25.73
 BEHE SZ EP D 1425 55.13
 BEHE SZ ES 1436 16.24
 CSKK SZ EP 1425 51.40
 CSKK SZ ES 1436 33.00
 PKS6 SZ EP D 1425 52.52
 PKS6 SZ ES 1436 22.94
 PKS9 SZ EP D 1425 53.33
 PKS9 SZ ES 1436 20.71

April 03 2011 Hour: 14:07:08.0 Lat: 17.60°S Lon: 178.58°W M: 6.5 Depth: 532 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP 1436 16.38
 BUD XZ EP 1436 24.25
 PKS2 SZ EP 1436 22.38
 CSKK SZ EP 1436 25.18
 PKS6 SZ EP 1436 22.65
 PKS7 SZ EP 1436 23.05
 PKS9 SZ EP 1436 20.78
 PKSG SZ EP D 1436 22.65
 PKST SZ EP 1436 22.11
 PSZ SZ EP D 1436 27.45
 SOP SZ EP D 1436 21.45
 TRPA SZ EP D 1436 32.65

April 03 2011 Hour: 23:53:40.0 Lat: 35.66°N Lon: 21.86°E M: 4.4 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPn 2356 29.48
 PKS6 SZ EPn 2356 17.85
 PKS7 SZ EPn 2356 24.50
 PKSG SZ EPn 2356 29.74
 PKST SZ EPn 2356 30.12
 PSZ SZ EPn 2356 34.60

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

SOP	SZ	EPn	2356	40.67
TRPA	SZ	EPn	2356	36.90
PKS9	SZ	EPn	2356	19.90
PKSG	SN	Sn	2358	40.00
PKST	SN	Sn	2358	38.02
CSKK	SN	Sn	2358	42.57
PKS9	SN	Sn	2358	24.78
PSZ	SN	Sn	2358	51.76
PKS7	SN	Sn	2358	30.08

April 04 2011 Hour: 02:15:41.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		0218	34.07
CSKK	SZ	EPn		0218	51.13
PKS9	SZ	EPn		0218	47.27
PKSG	SZ	EPn		0218	51.40
PKST	SZ	EPn		0218	48.51
SOP	SZ	EPn		0218	51.26
BEHE	SN	Sn		0218	51.81
CSKK	SE	Sn		0219	27.86
PKS7	SE	Sn		0219	33.50
PKS9	SE	Sn		0219	10.80
PKST	SN	Sn		0219	21.67
PKSG	SE	Sn		0219	24.14
SOP	SN	Sn		0219	16.44
PSZ	SN	Sn		0219	22.90
PKS6	SN	Sn		0219	35.01
PKS6	SZ	EPn		0219	01.58
PSZ	SZ	EPn		0218	51.82
PKS7	SZ	EPn		0218	59.24

April 04 2011 Hour: 11:31:41.0 Lat: 29.75°N Lon: 80.82°E M: 5.6 Depth: 15 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1140	48.36
BUD	XZ	EP	C	1140	36.43
CSKK	SZ	EP		1140	39.73
PKS2	SZ	EP		1140	35.51
PKS7	SZ	EP		1140	32.76
PKS9	SZ	EP	D	1140	41.02
PKST	SZ	EP	C	1140	41.02
PKSG	SZ	EP	C	1140	39.18
PSZ	SZ	EP	C	1140	32.21
SOP	SZ	EP	C	1140	48.54
TRPA	SZ	EP	C	1140	18.44

April 05 2011 Hour: 04:10:07.0 Lat: 17.70°S Lon: 178.53°W M: 5.7 Depth: 553 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0428	48.90
BUD	XZ	EP		0428	47.54
CSKK	SZ	EP		0428	48.45
PKS6	SZ	EP		0428	50.12
PKS7	SZ	EP		0428	49.36
PKS9	SZ	EP		0428	50.57

PKSG	SZ	EP	0428	48.42
PKST	SZ	EP	C 0428	49.50
PSZ	SZ	EP	0428	46.49
SOP	SZ	EP	D 0428	49.96
TRPA	SZ	EP	0428	42.52

April 05 2011 Hour: 14:05:49.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	IPg	C	1409	28.44
PSZ	SN	ESg		1409	31.70
PSZ	SE	ESg		1409	31.72

April 06 2011 Hour: 14:01:44.0 Lat: 1.61°N Lon: 97.15°E M: 5.9 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1414	03.06
CSKK	SZ	EP		1414	00.11
PKS2	SZ	EP		1413	56.78
PKS6	SZ	EP		1413	56.30
PKS7	SZ	EP		1413	56.40
PKS9	SZ	EP		1413	57.26
PKSG	SZ	EP		1413	57.26
PSZ	SZ	EP		1413	52.59
PSZ	SZ	ES		1423	49.00
SOP	SZ	EP	C	1414	04.02
SOP	SZ	ES		1423	55.46
TRPA	SZ	EP	C	1413	43.35
TRPA	SZ	ES		1423	49.00
PKST	SZ	EP		1413	58.68
PKST	SZ	ES		1423	52.59

April 07 2011 Hour: 13:11:24.0 Lat: 17.48°N Lon: 93.97°W M: 6.5 Depth: 165 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		1324	14.07
PKS2	SZ	EP		1324	18.85
PKS6	SZ	EP	D	1324	19.97
PKS7	SZ	EP	D	1324	17.63
PKS9	SZ	EP	D	1324	16.10
PKST	SZ	EP	D	1324	13.97
BEHE	SZ	EP	C	1324	11.52
BEHE	SZ	ES		1334	29.82
BUD	XZ	EP	C	1324	16.10
BUD	XZ	ES		1335	27.98
PSZ	SZ	EP	C	1324	18.24
PSZ	SZ	ES		1334	40.21
SOP	SZ	ES		1334	48.00
TRPA	SZ	ES		1334	33.46
PKSG	SZ	EP	D	1324	14.68
PKSG	SZ	ES		1335	05.13

April 07 2011 Hour: 14:32:44.0 Lat: 38.29°N Lon: 141.63°E M: 7.1 Depth: 50 km

STAT	CO	PHASE	P	HRMM	SECON
PKS2	SZ	EP		1444	55.06
PKS6	SZ	EP	C	1444	57.47

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKS7	SZ	EP		1444	53.38
PKS9	SZ	EP		1444	56.83
BEHE	SZ	EP	C	1445	00.52
BEHE	SZ	ES		1455	45.61
BUD	XZ	EP	C	1444	51.77
BUD	XZ	ES		1454	55.31
CSKK	SZ	EP		1444	54.02
CSKK	SZ	ES		1455	04.38
PSZ	SZ	EP	C	1444	47.68
PSZ	SZ	ES		1454	40.05
PKSG	SZ	EP		1444	53.54
PKSG	SZ	ES		1454	59.43
PKST	SZ	EP		1444	54.34
PKST	SZ	ES		1454	59.84
SOP	SZ	EP	C	1444	57.47
SOP	SZ	ES		1454	59.02
TRPA	SZ	EP	C	1444	40.69
TRPA	SZ	ES		1454	30.16

April 07 2011 Hour: 17:32:01.0 Lat: 51.56°N Lon: 16.08°E M: 4.2 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPn		1733	09.29
BEHE	SZ	EPn		1733	20.45
PKSG	SZ	EPn		1733	08.53
PKST	SZ	EPn		1733	09.29
PKST	SE	Sn		1734	23.24
PKS9	SE	Sn		1734	27.11
PKS6	SE	Sn		1734	30.55
CSKK	SN	Sn		1734	08.63
SOP	SZ	EPn		1733	01.61
PKS7	SZ	EPn		1733	13.97
PSZ	SZ	EPn		1733	08.83
PKST	SN	Sn		1733	59.73
PSZ	SN	Sn		1734	00.67
SOP	SN	Sn		1733	48.65
PKS9	SN	Sn		1734	22.66
PKS7	SE	Sn		1734	12.52
BEHE	SN	Sn		1734	16.46
PKSG	SE	Sn		1734	01.15

April 08 2011 Hour: 09:33:50.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		0936	46.37
PSZ	SN	ESg		0936	48.01

April 08 2011 Hour: 18:42:30.0 Lat: 43.86°N Lon: 147.50°E M: 5.3 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	1854	24.37
CSKK	SZ	EP	C	1854	26.72
PKSG	SZ	EP		1854	26.28
PKST	SZ	EP		1854	27.46
PSZ	SZ	EP	C	1854	20.25
SOP	SZ	EP	C	1854	29.08

TRPA SZ EP C 1854 14.14

April 09 2011 Hour: 01:25:29.0 Lat: 36.90°N Lon: 142.08°E M: 5.1 Depth: 31 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP C 0137 41.78

SOP SZ EP C 0137 50.69

April 09 2011 Hour: 12:57:50.0 Lat: 30.02°N Lon: 131.76°E M: 6.0 Depth: 30 km

STAT CO PHASE P HRMM SECON

BUD XZ EP D 1310 08.99

CSKK SZ EP 1310 11.80

PKS2 SZ EP 1310 11.33

PKS6 SZ EP C 1310 10.81

PKS7 SZ EP 1310 10.40

PKS9 SZ EP C 1310 14.43

PKST SZ EP 1310 20.40

TRPA SZ EP D 1309 56.60

TRPA SZ ES 1319 59.33

SOP SZ EP D 1310 14.71

SOP SZ ES 1320 31.78

PSZ SZ EP D 1310 05.54

PSZ SZ ES 1320 13.24

BEHE SZ EP D 1310 18.59

BEHE SZ ES 1320 56.84

PKSG SZ EP D 1310 11.10

PKSG SZ ES 1320 25.90

April 10 2011 Hour: 21:35:55.0 Lat: 36.86°N Lon: 141.01°E M: 5.2 Depth: 60 km

STAT CO PHASE P HRMM SECON

PKS9 SZ EP C 2148 11.18

PKSG SZ EP 2148 07.81

PSZ SZ EP C 2148 02.26

SOP SZ EP C 2148 11.37

TRPA SZ EP C 2147 54.72

April 11 2011 Hour: 08:16:14.0 Lat: 37.00°N Lon: 140.45°E M: 6.7 Depth: 20 km

STAT CO PHASE P HRMM SECON

CSKK BZ EP 0828 30.28

BUD XZ EP 0828 28.68

BEHE BZ EP D 0828 35.90

BEHE BZ IPP 0831 46.01

SOP BZ EP D 0828 32.62

SOP BZ IPP 0831 41.93

TRPA BZ EP D 0828 15.99

TRPA BZ IPP 0831 15.42

BEHE BN ES 0838 57.30

BUD XN ES 0838 31.71

CSKK BN ES 0838 48.77

PSZ BZ EP D 0828 23.72

PSZ BZ IPP 0831 26.03

PSZ BZ ES 0838 33.13

TRPA BN ES 0838 18.91

SOP BN ES 0838 43.08

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

SOP BN ESS 0844 11.20
 PSZ BN ESS 0843 46.03

April 11 2011 Hour: 11:42:35.0 Lat: 37.00°N Lon: 140.42°E M: 5.7 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE BZ EP 1154 58.08
 CSKK BZ EP 1154 51.38
 PSZ BZ EP D 1154 45.55
 SOP BZ EP 1154 54.87
 TRPA BZ EP D 1154 38.27
 SOP BN ES 1205 06.21
 PSZ BE ES 1204 39.70
 CSKK BE ES 1204 53.98

April 11 2011 Hour: 12:41:50.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 1245 22.64
 PSZ SZ EPg 1245 16.90
 PSZ SN ESg 1245 20.08

April 11 2011 Hour: 15:57:58.0 Lat: 37.11°N Lon: 140.45°E M: 5.0 Depth: 20 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1610 08.07

April 11 2011 Hour: 17:53:31.0 Lat: 37.70°N Lon: 144.47°E M: 5.5 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP D 1805 53.68
 CSKK SZ EP 1805 56.00
 PKS6 SZ EP 1805 54.57
 PKS7 SZ EP C 1805 55.45
 PKS9 SZ EP C 1805 58.74
 PKSG SZ EP D 1805 55.32
 PKST SZ EP D 1805 56.21
 SOP SZ EP D 1805 58.67
 TRPA SZ EP D 1805 42.95
 TRPA SZ EPP 1808 41.73
 PSZ SZ EP D 1805 50.33
 PSZ SZ EPP 1808 51.24

April 11 2011 Hour: 17:53:31.0 Lat: 37.70°N Lon: 144.47°E M: 5.5 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 1805 59.45

April 11 2011 Hour: 22:26:21.0 Lat: 36.91°N Lon: 138.34°E M: 5.5 Depth: 20 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 2238 31.43
 BUD XZ EP 2238 33.44
 CSKK SZ EP 2238 29.41
 PKS6 SZ EP 2238 29.41
 PKS7 SZ EP 2238 25.37
 PKS9 SZ EP 2238 27.90
 PKSG SZ EP 2238 32.43
 PSZ SZ EP C 2238 29.41

SOP	SZ	EP	2238	31.43
TRPA	SZ	EP	2238	09.74
PKST	SZ	EP	2238	30.68

April 11 2011 Hour: 23:08:15.0 Lat: 35.39°N Lon: 140.72°E M: 6.4 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		2320	40.33
PKS9	SZ	EP		2320	43.36
PKSG	SZ	EP		2320	40.65
PKST	SZ	EP		2320	41.48
PSZ	SZ	EP		2320	33.91
PSZ	SZ	ES		2330	44.15
SOP	SZ	EP		2320	43.91
SOP	SZ	ES		2330	43.28
TRPA	SZ	EP		2320	27.04
TRPA	SZ	ES		2330	29.01

April 11 2011 Hour: 23:08:15.0 Lat: 35.39°N Lon: 140.72°E M: 6.4 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		2320	46.02
BEHE	SN	IS		2331	13.21

April 12 2011 Hour: 02:55:29.0 Lat: 49.72°N Lon: 18.42°E M: 3.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		0256	04.36
PSZ	SZ	EPg		0256	09.13
PSZ	SN	Sn		0256	31.65
PSZ	SN	ESg		0256	37.03

April 12 2011 Hour: 05:07:41.0 Lat: 37.12°N Lon: 140.38°E M: 6.0 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0520	04.13
BEHE	SZ	ES		0530	28.31
BEHE	SZ	EPP		0523	16.47
BUD	XZ	EP		0519	55.78
BUD	XZ	ES	D	0529	51.07
BUD	XZ	EPP		0523	07.45
CSKK	SZ	EP		0519	58.56
CSKK	SZ	ES		0530	01.41
CSKK	SZ	EPP		0523	09.30
PKS6	SZ	EP		0519	56.40
PKS6	SZ	ES		0530	05.13
PKS6	SZ	EPP		0523	09.70
PKS7	SZ	EP		0519	57.63
PKS7	SZ	ES		0530	08.28
PKS7	SZ	EPP		0523	08.22
PKS9	SZ	EP		0520	00.73
PKS9	SZ	ES		0530	16.54
PKS9	SZ	EPP		0523	07.71
PKSG	SZ	EP	C	0519	57.63
PKSG	SZ	ES		0530	09.50
PKSG	SZ	EPP		0523	03.93
PKST	SZ	EP		0519	58.87

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKST SZ ES 0530 10.47
 PKST SZ EPP 0523 09.98
 SOP SZ EP C 0520 01.23
 SOP SZ ES 0530 13.63
 SOP SZ EPP 0523 15.78
 PSZ SZ EP C 0519 52.77
 PSZ SZ ES 0529 54.69
 PSZ SZ EPP 0052 000.4
 TRPA SZ EP C 0519 44.68
 TRPA SZ ES 0529 42.54
 TRPA SZ EPP 0052 043.5

April 12 2011 Hour: 18:01:49.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg C 1805 06.73
 PSZ SN ESg 1805 09.82
 PSZ SN Lg 1805 16.49

April 12 2011 Hour: 19:37:49.0 Lat: 39.44°N Lon: 141.83°E M: 5.6 Depth: 48 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 1950 00.95
 BUD XZ EP C 1949 51.71
 PKSM SZ EP C 1949 57.04
 PSZ SZ EP C 1949 48.10
 TRPA SZ EP C 1949 40.27

April 12 2011 Hour: 23:36:22.0 Lat: 35.45°N Lon: 140.73°E M: 5.2 Depth: 22 km

STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 2348 48.61
 PSZ SZ EP C 2348 39.91
 SOP SZ EP C 2348 48.84

April 13 2011 Hour: 01:08:02.0 Lat: 36.91°N Lon: 140.49°E M: 5.5 Depth: 33 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0120 15.60
 BUD XZ EP 0120 14.21
 CSKK SZ EP 0120 16.71
 PKS6 SZ EP 0120 11.44
 PKS7 SZ EP 0120 11.46
 PKS9 SZ EP C 0120 19.84
 PKSG SZ EP C 0120 16.40
 PKSM SZ EP C 0120 19.77
 PKST SZ EP C 0120 17.62
 PSZ SZ EP D 0120 10.60
 SOP SZ EP D 0120 19.20
 TRPA SZ EP D 0120 02.65

April 13 2011 Hour: 19:57:25.0 Lat: 39.66°N Lon: 143.31°E M: 6.1 Depth: 20 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 2009 36.60
 PKS6 SZ EP 2009 36.38
 PKS7 SZ EP 2009 36.09
 PKS9 SZ EP C 2009 39.43

PKSG SZ EP	C	2009	36.24
PKST SZ EP	C	2009	37.18
BEHE SZ EP	C	2009	43.20
BEHE SZ EPP		2012	39.52
BEHE SZ ES		2014	51.13
PKSM SZ EP	C	2009	39.86
PKSM SZ EPP		2012	45.67
PKSM SZ ES		2014	29.69
PKSM SZ IS		2019	46.48
PSZ SZ EP	C	2009	30.83
PSZ SZ EPP		2012	32.67
PSZ SZ ES		2014	30.30
PSZ SZ IS		2019	35.81
SOP SZ EP	C	2009	39.80
SOP SZ EPP		2012	45.67
SOP SZ ES		2014	41.94
SOP SZ IS		2019	26.85
TRPA SZ EP	C	2009	23.55
TRPA SZ EPP		2012	19.68
TRPA SZ IS		2019	19.62
BUD XZ EP	C	2009	34.64
BUD XZ EPP		2012	36.44
BUD XZ IS		2019	38.22

April 13 2011 Hour: 20:32:23.0 Lat: 39.67°N Lon: 143.17°E M: 5.5 Depth: 30 km

STAT CO PHASE	P	HRMM	SECON
BEHE SZ EP	C	2044	39.39
BUD XZ EP	C	2044	30.43
CSKK SZ EP	C	2044	32.49
PKS6 SZ EP		2044	32.39
PKS7 SZ EP	C	2044	31.65
PKS9 SZ EP	C	2044	35.33
PKSG SZ EP	C	2044	31.83
PKSM SZ EP		2044	35.70
PKST SZ EP	C	2044	33.12
PSZ SZ EP	D	2044	35.52
SOP SZ EP	C	2044	35.52
TRPA SZ EP	C	2044	19.30

April 13 2011 Hour: 22:35:54.0 Lat: 36.88°N Lon: 140.38°E M: 5.3 Depth: 30 km

STAT CO PHASE	P	HRMM	SECON
TRPA SZ EP	C	2247	56.66
PSZ SZ EP	C	2248	04.24

April 14 2011 Hour: 03:09:01.0 Lat: 37.12°N Lon: 140.58°E M: 5.3 Depth: 30 km

STAT CO PHASE	P	HRMM	SECON
BEHE SZ EP	C	0321	23.30
BUD XZ EP		0321	15.90
CSKK SZ EP	C	0321	16.06
PKS7 SZ EP	C	0321	15.64
PSZ SZ EP	D	0321	09.99
SOP SZ EP	D	0321	19.04
TRPA SZ EP	D	0321	02.33

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKST SZ EP 0321 16.46
 PKSM SZ EP D 0321 18.70
 PKSG SZ EP D 0321 15.22
 PKS9 SZ EP D 0321 18.59

April 14 2011 Hour: 08:53:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 0856 37.90
 PSZ SN ESg 0856 39.52
 PSZ SN Lg 0856 40.69

April 14 2011 Hour: 12:25:55.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1228 10.85
 PSZ SN ESg 1228 13.85

April 15 2011 Hour: 02:06:27.0 Lat: 15.28°S Lon: 173.19°W M: 6.0 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0226 11.08
 BUD XZ EP 0226 09.61
 CSKK SZ EP 0226 09.80
 PKS7 SZ EP 0226 09.80
 PKS9 SZ EP 0226 08.94
 PKST SZ EP 0226 08.37
 TRPA SZ EP D 0226 03.32
 TRPA SZ IPP 0229 20.67
 SOP SZ EP 0226 09.27
 SOP SZ IP 0229 27.88
 PSZ SZ EP 0226 07.13
 PSZ SZ EPP 0229 25.63
 PKSM SZ EP 0226 10.27
 PKSM SZ EPP 0229 33.06
 PKSG SZ EP 0226 09.61
 PKSG SZ EPP 0229 37.33

April 15 2011 Hour: 03:08:00.0 Lat: 50.10°N Lon: 18.44°E M: 3.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0308 52.23
 CSKK SZ EPn 0308 45.40
 PKSG SZ EPg 0308 51.27
 PKSG SZ EPn 0308 44.66
 PKSM SZ EPg 0309 06.69
 PKSM SZ EPn 0309 00.56
 PKSM SN Sn 0309 44.87
 PSZ SZ EPg 0308 45.75
 PSZ SZ EPn 0308 39.85
 PKS9 SZ EPg 0309 07.34
 PKS9 SZ EPn 0308 55.67
 PKS9 SN ESg 0309 55.04
 PKSG SN Sn 0309 16.32
 PKSG SN ESg 0309 28.12
 PSZ SN Sn 0309 13.54
 PSZ SN ESg 0309 18.70

CSKK SE Sn 0309 17.11
 CSKK SE ESg 0309 30.22

April 15 2011 Hour: 21:10:35.0 Lat: 37.25°N Lon: 142.46°E M: 5.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 2122 42.90
 PSZ SZ EP D 2122 50.39
 PKSM SZ EP 2122 58.62
 PKS9 SZ EP 2122 58.77
 PKS7 SZ EP D 2122 55.38

April 15 2011 Hour: 21:46:22.0 Lat: 18.65°S Lon: 175.34°W M: 5.7 Depth: 213 km

STAT CO PHASE P HRMM SECON
 BEHE SZ IP D 2205 48.98
 BEHE SZ EPP 2206 44.85
 BUD XZ IP D 2205 45.54
 BUD XZ EPP 2206 41.84
 CSKK SZ IP 2205 46.02
 CSKK SZ EPP 2206 42.93
 PKS7 SZ IP D 2205 46.51
 PKS7 SZ EPP 2206 44.85
 PKS9 SZ IP D 2205 47.83
 PKS9 SZ EPP 2206 41.02
 PKSG SZ IP D 2205 45.96
 PKSG SZ EPP 2206 41.02
 PKSM SZ IP D 2205 48.26
 PKSM SZ EPP 2206 43.21
 PKST SZ IP 2205 46.21
 PKST SZ EPP 2206 39.10
 PSZ SZ IP D 2205 43.79
 PSZ SZ EPP 2206 41.02
 SOP SZ IP D 2205 47.05
 SOP SZ EPP 2206 40.19
 TRPA SZ IP D 2205 41.08
 TRPA SZ EPP 2206 36.09

April 16 2011 Hour: 01:11:11.0 Lat: 25.41°N Lon: 129.91°E M: 5.8 Depth: 144 km

STAT CO PHASE P HRMM SECON
 BUD XZ IP D 0123 10.81
 BEHE SZ IP D 0123 20.50
 CSKK SZ IP 0123 13.34
 PKS7 SZ IP D 0123 11.65
 PKS9 SZ IP D 0123 15.59
 PKSM SZ IP D 0123 15.23
 PKST SZ IP D 0123 14.32
 PSZ SZ IP D 0123 06.95
 SOP SZ IP D 0123 18.25
 PKSM SN ES 0133 18.35
 PSZ SE ES 0133 48.90
 TRPA SZ IP D 0122 57.90
 TRPA SZ ES 0133 37.96
 PKSG SZ IP D 0123 12.78
 PKSG SZ ES 0134 05.29

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

April 16 2011 Hour: 02:19:29.0 Lat: 36.43°N Lon: 139.67°E M: 5.9 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	IP	C	0231	38.15
BUD	XZ	EPP		0234	46.40
CSKK	SZ	IP		0231	40.60
CSKK	SZ	ES		0234	51.11
BEHE	SZ	IP	C	0231	47.11
BEHE	SZ	EPP		0234	56.99
PKS7	SZ	IP	C	0231	39.37
PKS7	SZ	EPP		0234	46.99
PKS9	SZ	IP	C	0231	43.04
PKS9	SZ	EPP		0234	51.11
PKSG	SZ	IP		0231	39.78
PKSG	SZ	EPP		0234	45.22
PKSM	SZ	IP	C	0231	43.04
PKSM	SZ	EPP		0234	52.28
PKST	SZ	IP	C	0231	40.87
PKST	SZ	EPP		0234	48.75
PSZ	SZ	IP	C	0231	34.62
PSZ	SZ	EPP		0234	37.57
SOP	SZ	IP	C	0231	43.85
SOP	SZ	EPP		0234	52.87
TRPA	SZ	IP	C	0231	26.89
TRPA	SZ	EPP		0234	26.39
SOP	SN	IS		0241	52.55
TRPA	SN	IS		0241	20.11
PKSM	SN	IS		0241	51.06
PKSG	SN	IS		0241	47.33
PKS9	SE	IS		0241	51.06
CSKK	SE	IS		0241	50.68
CSKK	SN	IS		0241	50.68
PSZ	SN	IS		0241	35.02

April 16 2011 Hour: 20:36:46.0 Lat: 36.93°N Lon: 143.93°E M: 5.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	IP	D	2049	18.38
BUD	XZ	IP		2049	09.78
CSKK	SZ	IP		2049	11.55
PKS7	SZ	IP		2049	11.21
PKS9	SZ	IP		2049	14.41
PKSG	SZ	IP		2049	10.87
PKSM	SZ	IP	D	2049	14.41
PKST	SZ	IP		2049	12.14
PSZ	SZ	IP		2049	06.32
SOP	SZ	IP	D	2049	14.75
TRPA	SZ	IP	D	2048	59.07

April 17 2011 Hour: 01:58:48.0 Lat: 27.56°S Lon: 63.23°W M: 5.8 Depth: 548 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EP	D	0216	10.37
PKST	SZ	EP		0216	17.38
PKSM	SZ	IP	D	0216	17.24

PKSG SZ IP 0216 18.66
 PKS9 SZ IP 0216 16.74

April 17 2011 Hour: 13:02:10.0 Lat: 20.19°S Lon: 178.75°W M: 4.9 Depth: 632 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1320	52.39
BUD	XZ	EP		1320	49.71
CSKK	SZ	EP	C	1320	50.02
PKS2	SZ	EP		1320	51.20
PKS6	SZ	EP		1320	50.77
PKS7	SZ	EP		1320	48.71
PKS9	SZ	EP		1320	50.40
PKSG	SZ	EP	C	1320	49.52
PKSM	SZ	EP		1320	51.45
PKST	SZ	EP		1320	49.77
PSZ	SZ	EP	D	1320	47.16
TRPA	SZ	EP	D	1320	44.23
SOP	SZ	EP	D	1320	50.64

April 17 2011 Hour: 20:01:42.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		2004	07.34
CSKK	SZ	EPn		2004	18.34
PKST	SZ	EPn		2004	15.38
PKSG	SZ	EPn		2004	19.61
PKS9	SZ	EPn		2004	08.40
PKSM	SZ	EPn		2004	03.11
SOP	SZ	EPn		2004	25.53
PKSM	SN	Sn		2004	33.57
PKST	SN	Sn		2004	59.38
PKS9	SN	Sn		2004	50.70
PKSG	SN	Sn		2004	59.80
CSKK	SE	Sn		2004	53.95
PKS7	SZ	EPn		2004	15.75
PKS7	SZ	Sn		2004	58.07
BEHE	SN	Sn		2004	53.00

April 18 2011 Hour: 13:03:00.0 Lat: 34.40°S Lon: 179.98°E M: 6.6 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1322	52.00
BUD	XZ	EP		1322	51.30
CSKK	SZ	EP		1322	52.23
PKS2	SZ	EP		1322	52.46
PKS6	SZ	EP		1322	51.30
PKS7	SZ	EP		1322	51.53
PKS9	SZ	EP		1322	52.23
PKSG	SZ	EP		1322	51.07
PKSM	SZ	EP		1322	49.67
PKST	SZ	EP		1322	51.07
PSZ	SZ	EP		1322	50.14
SOP	SZ	EP		1322	52.23
TRPA	SZ	EP		1322	47.81

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

April 19 2011 Hour: 12:13:19.0 Lat: 38.12°N Lon: 21.90°E M: 4.5 Depth: 55 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		1215	29.43
BEHE	SZ	Sn		1217	13.99
BUD	XZ	EPn		1215	35.88
BUD	XZ	Sn		1217	21.30
CSKK	SZ	EPn		1215	34.85
CSKK	SZ	Sn		1217	18.31
PKS2	SZ	EPn		1215	30.05
PKS2	SZ	Sn		1217	00.69
PKS6	SZ	EPn		1215	28.82
PKS6	SZ	Sn		1217	00.69
PKS7	SZ	EPn		1215	30.97
PKS7	SZ	Sn		1217	09.67
PKS9	SZ	EPn		1215	22.68
PKS9	SZ	Sn		1217	06.34
PKSG	SZ	EPn		1215	34.44
PKSG	SZ	Sn		1217	20.30
PKSM	SZ	EPn		1215	16.45
PKSM	SZ	Sn		1216	58.37
PKST	SZ	EPn		1215	32.30
PKST	SZ	Sn		1217	23.96
PSZ	SZ	EPn		1215	38.13
PSZ	SZ	Sn		1217	34.93
SOP	SZ	EPn		1215	46.82
SOP	SZ	Sn		1217	38.58
TRPA	SZ	EPn		1215	44.47
TRPA	SZ	Sn		1217	36.92

April 19 2011 Hour: 14:10:19.0 Lat: 36.19°N Lon: 139.67°E M: 5.1 Depth: 57 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	XZ	EP	C	1422	18.25
PSZ	XZ	EP	C	1422	26.02
PKST	XZ	EP		1422	31.66
PKSG	XZ	EP		1422	30.33
PKS9	XZ	EP		1422	29.83
PKS7	XZ	EP	C	1422	29.86
SOP	XZ	EP		1422	29.65

April 19 2011 Hour: 15:43:11.2 Lat: 31.40°N Lon: 49.37°E M: 3.7 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1549	15.13
BUD	XZ	EP		1549	11.13
CSKK	SZ	EP		1549	12.51
PKS2	SZ	EP		1549	13.89
PKS6	SZ	EP	C	1549	13.67
PKS7	SZ	EP	C	1549	14.48
PKS9	SZ	EP	C	1549	14.11
PKSG	SZ	EP		1549	12.45
PKSM	SZ	EP		1549	13.89
PKST	SZ	EP	C	1549	12.87
PSZ	SZ	EP	D	1549	10.08
SOP	SZ	EP		1549	13.55

TRPA SZ EP D 1549 06.95

April 21 2011 Hour: 00:39:05.0 Lat: 40.43°N Lon: 143.50°E M: 5.7 Depth: 20 km

STAT CO PHASE P HRMM SECON

BEHE SZ EP C 0051 19.91

BUD XZ EP 0051 11.16

CSKK SZ EP 0051 12.22

PKS6 SZ EP 0051 45.08

PKS7 SZ EP 0051 11.69

PKS9 SZ EP 0051 15.76

PKSG SZ EP 0051 12.75

PKST SZ EP 0051 14.19

TRPA SZ EP C 0050 59.88

TRPA SZ IS 0100 54.92

SOP SZ EP C 0051 16.36

SOP SZ IS 0100 56.16

PSZ SZ EP C 0051 07.34

PSZ SZ IS 0101 00.52

PKSM SZ EP C 0051 16.24

PKSM SZ IS 0101 01.14

April 21 2011 Hour: 01:54:41.0 Lat: 40.32°N Lon: 143.65°E M: 6.0 Depth: 10 km

STAT CO PHASE P HRMM SECON

BEHE SZ EP C 0206 58.77

BUD XZ EP C 0206 50.49

CSKK SZ EP 0206 52.15

PKS7 SZ EP D 0206 52.15

PKST SZ EP 0206 52.82

TRPA SZ EP C 0206 39.48

TRPA SZ ES 0216 36.13

PSZ SZ EP C 0206 46.95

PSZ SZ ES 0216 44.43

SOP SZ EP 0206 55.48

SOP SZ ES 0216 48.59

PKSM SZ EP C 0206 55.88

PKSM SZ ES 0217 09.35

PKSG SZ EP 0206 52.15

PKSG SZ ES 0216 58.97

PKS9 SZ EP D 0206 55.75

PKS9 SZ ES 0217 19.73

PKS6 SZ EP 0206 57.53

PKS6 SZ ES 0217 28.03

April 21 2011 Hour: 03:08:35.0 Lat: 37.35°N Lon: 142.24°E M: 5.1 Depth: 10 km

STAT CO PHASE P HRMM SECON

PKSM SZ EP 0320 58.34

PSZ SZ EP 0320 50.48

April 21 2011 Hour: 08:18:14.0 Lat: 38.37°N Lon: 142.15°E M: 5.4 Depth: 27 km

STAT CO PHASE P HRMM SECON

TRPA SZ IP D 0830 13.52

SOP SZ IP D 0830 30.21

PSZ SZ IP D 0830 21.19

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PKST	SZ	IP		0830	27.84
PKSM	SZ	IP	D	0830	30.05
PKSG	SZ	IP		0830	27.13
PKS9	SZ	IP		0830	30.53
PKS7	SZ	IP		0830	26.49
PKS6	SZ	IP		0830	26.97
PKS2	SZ	IP		0830	26.33
CSKK	SZ	IP		0830	27.44
BUD	XZ	IP		0830	25.07

April 21 2011 Hour: 13:36:59.0 Lat: 35.62°N Lon: 140.35°E M: 6.2 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		1349	32.66
CSKK	SZ	EPP		1352	29.55
PKS2	SZ	EP		1349	34.39
PKS2	SZ	EPP		1352	30.17
BUD	XZ	EP	C	1349	19.56
BUD	XZ	EPP		1352	27.72
TRPA	SZ	EP	C	1349	07.70
TRPA	SZ	EPP		1352	05.67
TRPA	SZ	ES		1359	32.36
SOP	SZ	EP	C	1349	25.16
SOP	SZ	EPP		1352	38.74
SOP	SZ	ES		1359	44.52
PSZ	SZ	EP		1349	16.35
PSZ	SZ	EPP		1352	20.98
PSZ	SZ	ES		1359	44.52
PKST	SZ	EP		1349	23.10
PKST	SZ	EPP		1352	35.07
PKST	SZ	ES		1400	06.81
PKSM	SZ	EP	C	1349	24.92
PKSM	SZ	EPP		1352	34.45
PKSM	SZ	ES		1400	02.75
PKSG	SZ	EP		1349	22.12
PKSG	SZ	EPP		1352	30.17
PKSG	SZ	ES		1400	20.99
PKS9	SZ	EP		1349	25.66
PKS9	SZ	EPP		1352	45.48
PKS9	SZ	ES		1400	14.91
PKS7	SZ	EP		1349	23.10
PKS7	SZ	EPP		1352	28.33
PKS7	SZ	ES		1359	30.34
PKS6	SZ	EP		1349	30.76
PKS6	SZ	EPP		1352	36.90
PKS6	SZ	ES		1359	42.49

April 22 2011 Hour: 11:31:53.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		1135	06.10
PSZ	SN	ESg		1135	09.16

April 22 2011 Hour: 15:25:16.0 Lat: 37.28°N Lon: 141.02°E M: 5.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	1537	20.09
SOP	SZ	EP	D	1537	36.76
PKST	SZ	EP	D	1537	33.96
PKSM	SZ	EP	D	1537	36.32
PKSG	SZ	EP		1537	32.72
PKS9	SZ	EP		1537	36.32
PKS7	SZ	EP		1537	33.52
PKS6	SZ	EP		1537	33.46
PKS2	SZ	EP		1537	33.65
CSKK	SZ	EP		1537	33.65
BUD	XZ	EP		1537	31.10
BEHE	SZ	EP		1537	40.24
PSZ	SZ	EP	D	1537	27.43
PSZ	SZ	ES		1547	20.75
PKSM	SN	ES		1548	06.34
SOP	SN	ES		1547	52.70

April 22 2011 Hour: 16:27:37.0 Lat: 37.19°N Lon: 144.16°E M: 5.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1640	04.62
CSKK	SZ	EP		1640	02.99
PKS6	SZ	EP		1640	03.76
PKS7	SZ	EP		1640	05.40
PKS9	SZ	EP		1640	05.24
PKSG	SZ	EP	C	1640	01.58
PKSM	SZ	EP	C	1640	05.48
PSZ	SZ	EP		1639	56.45
PKST	SZ	EP		1640	02.83
SOP	SZ	EP	D	1640	04.54
TRPA	SZ	EP	D	1639	49.05

April 22 2011 Hour: 17:14:50.0 Lat: 22.65°S Lon: 174.66°W M: 5.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP		1734	41.05
PSZ	SZ	EP		1734	38.07

April 23 2011 Hour: 10:12:48.0 Lat: 39.19°N Lon: 142.83°E M: 6.0 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
PKS6	SZ	IP		1024	56.32
PKS7	SZ	IP		1024	57.96
PKS9	SZ	IP	D	1025	00.65
PKSG	SZ	IP		1024	57.22
SOP	SZ	IP	C	1025	00.95
SOP	SZ	ES		1035	09.42
PSZ	SZ	IP	C	1024	51.84
PSZ	SZ	ES		1034	40.36
PKST	SZ	IP		1024	58.26
PKST	SZ	ES		1035	26.02
CSKK	SZ	IP		1024	57.81
CSKK	SZ	ES		1034	34.14
BEHE	SZ	IP	C	1025	04.68

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BEHE SZ ES	1035 32.25
PKS2 SZ IP	1024 56.62
PKS2 SZ ES	1035 01.12
BUD XZ IP	C 1024 55.72
BUD XZ EPP	1028 00.55
TRPA SZ IP	1024 44.52
TRPA SZ ES	1034 38.29
TRPA SZ EPP	1027 49.10
PKSM SZ IP	C 1025 00.80
PKSM SZ ES	1034 59.04
PKSM SZ EPP	1028 26.86

April 23 2011 Hour: 21:09:11.0 Lat: 16.36°S Lon: 179.53°W M: 5.5 Depth: 515 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	IP	D	2127	56.58
BUD	XZ	IP	D	2127	51.80
CSKK	SZ	IP		2127	52.90
PKS6	SZ	IP		2127	53.90
PKS7	SZ	IP		2127	52.79
PKS9	SZ	IP	D	2127	54.58
PKSG	SZ	IP		2127	52.48
PKSM	SZ	IP	D	2127	55.16
PKST	SZ	IP		2127	53.16
PSZ	SZ	IP	D	2127	49.38
TRPA	SZ	IP	D	2127	45.75
SOP	SZ	IP	D	2127	53.85

April 24 2011 Hour: 21:09:35.0 Lat: 35.28°S Lon: 17.63°W M: 5.7 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	2119	06.17
BUD	XZ	EP		2118	59.31
CSKK	SZ	EP		2118	59.52
PKS6	SZ	EP		2118	59.00
PKS7	SZ	EP	C	2118	59.93
PKS9	SZ	EP		2119	02.79
PKSG	SZ	EP		2118	58.80
PKSM	SZ	EP	C	2119	02.79
PKST	SZ	EP		2119	00.23
PSZ	SZ	EP		2118	54.19
SOP	SZ	EP	C	2119	03.30
TRPA	SZ	EP	C	2118	46.62

April 25 2011 Hour: 00:54:33.0 Lat: 36.29°N Lon: 72.24°E M: 5.0 Depth: 96 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0101	39.10
PKS6	SZ	EP	D	0102	01.13
PKS9	SZ	EP		0102	08.12
PKSG	SZ	EP		0102	06.71
PKSM	SZ	EP		0102	05.64
PSZ	SZ	EP	C	0101	58.30
SOP	SZ	EP	C	0102	16.09
TRPA	SZ	EP		0101	43.44

April 25 2011 Hour: 19:29:14.0 Lat: 59.23°N Lon: 152.87°W M: 4.9 Depth: 60 km
 STAT CO PHASE P HRMM SECON
 PKSM SZ EP C 1940 46.85
 PSZ SZ EP C 1940 38.56

April 25 2011 Hour: 23:26:34.0 Lat: 42.09°N Lon: 142.41°E M: 4.9 Depth: 65 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP D 2338 27.73
 PKS6 SZ EP 2338 26.75
 PKS7 SZ EP 2338 26.98
 PKS9 SZ EP 2338 30.40
 PKSG SZ EP C 2338 26.89
 PKSM SZ EP 2338 30.63
 PKST SZ EP 2338 27.96
 PSZ SZ EP C 2338 20.94
 SOP SZ EP C 2338 30.44
 TRPA SZ EP C 2338 13.71

April 26 2011 Hour: 04:01:48.0 Lat: 37.31°N Lon: 141.23°E M: 4.9 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0413 59.76
 SOP SZ EP 0414 08.68
 TRPA SZ EP D 0413 51.38

April 26 2011 Hour: 12:12:00.0 Lat: 36.07°N Lon: 139.97°E M: 5.2 Depth: 49 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1224 09.26
 SOP SZ EP C 1224 18.51
 TRPA SZ EP C 1224 01.69

April 27 2011 Hour: 09:18:50.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 0920 40.34
 PSZ SN ESg 0920 46.06

April 27 2011 Hour: 21:42:51.0 Lat: 37.06°N Lon: 142.48°E M: 5.1 Depth: 33 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 2155 03.75
 SOP SZ IP C 2155 12.82
 TRPA SZ IP C 2154 56.92

April 28 2011 Hour: 01:44:48.0 Lat: 38.70°N Lon: 141.75°E M: 5.0 Depth: 56 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP C 0156 55.23
 PKS6 SZ EP 0156 55.86
 PKS7 SZ EP 0156 55.11
 PKS9 SZ EP 0156 58.52
 PKSG SZ EP C 0156 54.92
 PKSM SZ EP C 0156 58.46
 PKST SZ EP 0156 56.17
 PSZ SZ EP C 0156 49.65
 SOP SZ EP C 0156 58.40
 TRPA SZ EP C 0156 42.14

April 28 2011 Hour: 09:27:48.0 Lat: 37.51°N Lon: 141.65°E M: 5.7 Depth: 47 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	0939	58.05
CSKK	SZ	EP		0940	01.73
PKS2	SZ	EP		0940	02.34
PKS6	SZ	EP		0940	01.11
PKS7	SZ	EP		0940	00.91
PKS9	SZ	EP		0940	05.00
PKSG	SZ	EP		0940	00.09
PKSM	SZ	EP	C	0940	03.98
TRPA	SZ	EP	C	0939	47.22
TRPA	SZ	ES		0950	50.68
PKST	SZ	EP		0940	01.11
PKST	SZ	ES		0950	47.13
SOP	SZ	EP	C	0940	04.18
SOP	SZ	ES		0950	57.89
BEHE	SZ	EP	C	0940	07.45
BEHE	SZ	ES		0951	06.92
PSZ	SZ	EP		0939	54.78
PSZ	SZ	EPP		0942	56.15

April 28 2011 Hour: 23:30:44.0 Lat: 44.76°N Lon: 17.32°E M: 4.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PKS7	SE	Sn		2332	11.51
PKSG	SE	Sn		2332	13.27
PKSM	SN	Sn		2331	40.20
PKSM	SN	EPn		2331	38.14
BEHE	SZ	EPn	C	2331	15.47
BEHE	SZ	EPg		2331	17.74
BUD	XZ	EPn		2331	31.60
BUD	XZ	EPg		2331	41.06
CSKK	SZ	EPn		2331	27.69
PKS6	SZ	EPn	D	2331	23.31
PKS6	SZ	EPg		2331	29.89
PKS7	SZ	EPn	D	2331	26.28
PKS7	SZ	EPg		2331	33.69
PKS9	SZ	EPn	D	2331	17.12
PKS9	SZ	EPg		2331	21.95
PKSG	SZ	EPn	D	2331	28.08
PKSG	SZ	EPg		2331	36.56
PKSM	SZ	EPn	D	2331	13.37
PKSM	SZ	EPg		2331	16.51
PKST	SZ	EPn	D	2331	25.67
PSZ	SZ	EPn	D	2331	39.43
PSZ	SZ	EPg		2331	52.76
SOP	SZ	EPn	C	2331	31.82
TRPA	SZ	EPn	C	2331	58.69
TRPA	SN	Sn		2332	58.40
PSZ	SN	Sn		2332	25.58
PKST	SN	Sn		2331	58.32
PKSG	SN	Sn		2332	03.01
PKS9	SE	Sn		2331	43.86

PKS7	SN	Sn	2331	58.15
PKS6	SN	Sn	2331	58.03
CSKK	SN	Sn	2332	01.93
BUD	XN	Sn	2332	07.36
BUD	XN	ESg	2332	21.30
CSKK	SE	ESg	2332	11.73
PKST	SE	ESg	2332	07.48
SOP	SE	ESg	2332	23.70
TRPA	SE	ESg	2333	26.90
BEHE	SN	Sn	2331	43.53
SOP	SN	Sn	2332	07.29

April 29 2011 Hour: 08:56:49.0 Lat: 3.95°N Lon: 95.79°E M: 5.5 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0908	51.00
BUD	XZ	EP	C	0908	42.06
CSKK	SZ	EP		0908	45.46
PKS2	SZ	EP		0908	42.00
PKS7	SZ	EP		0908	42.56
PKS9	SZ	EP		0908	45.15
PKSG	SZ	EP		0908	44.72
PKSM	SZ	EP	C	0908	42.87
PKST	SZ	EP	C	0908	45.89
PSZ	SZ	EP	C	0908	39.72
TRPA	SZ	EP	C	0908	29.86
SOP	SZ	EP	C	0908	50.50
SOP	SN	ES		0918	49.19
PSZ	SN	ES		0918	24.68
PKST	SN	ES		0918	38.30
PKS2	SE	ES		0918	43.44

April 29 2011 Hour: 09:38:31.0 Lat: 19.24°S Lon: 167.94°E M: 5.3 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0958	02.50
PKSM	SZ	EP		0957	58.95
PSZ	SZ	EP		0957	57.72
SOP	SZ	EP		0958	01.17

April 29 2011 Hour: 13:08:31.8 Lat: 19.37°S Lon: 167.67°E M: 5.0 Depth: 27 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D	1325	00.51
BUD	XZ	EP	D	1324	51.41
CSKK	SZ	EP		1324	54.30
PKS2	SZ	EP		1324	53.69
PKS6	SZ	EP		1324	51.95
PKS7	SZ	EP		1324	52.48
PKS9	SZ	EP	D	1324	55.96
PKSG	SZ	EP		1324	53.31
PKSM	SZ	EP	D	1324	55.05
PKST	SZ	EP		1324	54.60
PSZ	SZ	EP	D	1324	47.78
TRPA	SZ	EP	D	1324	38.60
SOP	SZ	EP	D	1324	58.39

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

April 29 2011 Hour: 22:19:32.0 Lat: 38.94°N Lon: 141.94°E M: 5.3 Depth: 53 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	IP	C	2231	46.32
BUD	XZ	IP	C	2231	37.30
CSKK	SZ	EP		2231	39.55
PKS6	SZ	EP		2231	36.31
PKS7	SZ	EP		2231	38.99
PKS9	SZ	IP	C	2231	41.95
PKSG	SZ	IP		2231	38.99
PKSM	SZ	IP	C	2231	42.37
PKST	SZ	IP	C	2231	40.12
PSZ	SZ	IP	C	2231	33.49
SOP	SZ	IP	C	2231	42.51
TRPA	SZ	IP	C	2231	26.03

April 30 2011 Hour: 05:06:34.0 Lat: 36.84°N Lon: 141.07°E M: 5.2 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	IP	D	0518	54.13
PSZ	SZ	IP	D	0518	45.38
SOP	SZ	IP	D	0518	54.55
TRPA	SZ	IP	D	0518	37.74
TRPA	SN	ES		0531	39.27

April 30 2011 Hour: 08:19:17.0 Lat: 7.17°N Lon: 82.41°W M: 6.1 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PKSM	SZ	EP	C	0832	35.90
PSZ	SZ	EP	D	0832	20.20
SOP	SZ	EP		0832	30.07
PSZ	SE	EPP		0836	20.69
PKSM	SN	ES		0843	34.15
PKSM	SN	EPP		0836	28.75
PKSM	SN	ESS		0849	35.04
PSZ	SN	ES		0843	26.09
PSZ	SN	ESS		0849	53.18
SOP	SN	ES		0843	09.96
SOP	SN	EPP		0836	32.78
SOP	SN	ESS		0849	14.88

May 01 2011 Hour: 02:24:15.0 Lat: 45.60°N Lon: 26.58°E M: 4.7 Depth: 150 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EPn	C	0225	34.55
CSKK	SZ	EPn		0225	41.53
PSZ	SZ	EPn		0225	28.97
TRPA	SZ	EPn		0225	10.95
TRPA	SN	Sn		0225	52.19
CSKK	SN	Sn		0226	54.59
BUD	XN	Sn		0226	36.26
BUD	XN	ESg		0227	14.22
PSZ	SN	Sn		0226	33.95
PSZ	SN	ESg		0227	02.02
SOP	SN	Sn		0227	16.11
SOP	SZ	EPn	D	0225	57.84

May 01 2011 Hour: 02:31:29.0 Lat: 43.63°N Lon: 77.76°E M: 5.4 Depth: 123 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP 0239 03.94
 CSKK SZ EP 0239 16.02
 SOP SZ EP D 0239 25.38
 TRPA SZ EP 0238 52.79

May 01 2011 Hour: 04:39:35.0 Lat: 1.35°S Lon: 14.57°W M: 4.8 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0449 22.60
 CSKK SZ EP 0449 14.69

May 01 2011 Hour: 16:12:42.0 Lat: 6.92°S Lon: 155.83°E M: 5.7 Depth: 50 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP 1631 38.76
 SOP SZ EP C 1631 40.07
 TRPA SZ EP 1631 32.96
 BUD XZ EP 1631 37.43

May 01 2011 Hour: 23:18:58.0 Lat: 15.12°S Lon: 173.00°W M: 5.0 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP 2338 40.01
 PSZ SZ EP D 2338 36.86
 SOP SZ EP D 2338 41.06
 TRPA SZ EP 2338 34.34
 BUD XZ EP 2338 40.50

May 02 2011 Hour: 08:17:53.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0820 19.45
 CSKK SN ESg 0820 21.70
 CSKK SE ESg 0820 21.54

May 02 2011 Hour: 08:29:53.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0833 08.84
 CSKK SE ESg 0833 10.41

May 02 2011 Hour: 13:20:58.0 Lat: 15.49°S Lon: 174.34°W M: 5.4 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 1340 37.21
 CSKK SZ EP 1340 38.81
 BUD XZ EP C 1340 36.72

May 02 2011 Hour: 13:20:58.0 Lat: 15.49°S Lon: 174.34°W M: 5.4 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 SOP SZ EP C 1340 42.21

May 02 2011 Hour: 13:20:58.0 Lat: 15.49°S Lon: 174.34°W M: 5.4 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 TRPA SZ EP 1340 35.30

May 02 2011 Hour: 20:54:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 2058 04.69
 CSKK SN ISg 2058 06.17
 CSKK SE ISg 2058 06.08

May 02 2011 Hour: 21:25:48.0 Lat: 40.19°N Lon: 142.50°E M: 5.2 Depth: 24 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2137 48.54
 SOP SZ EP C 2137 57.76

May 02 2011 Hour: 23:41:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 2343 00.58
 CSKK SN ESg 2343 02.29
 CSKK SE ESg 2343 02.23

May 04 2011 Hour: 08:23:48.0 Lat: 37.12°N Lon: 143.38°E M: 5.3 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0836 06.69
 SOP SZ EP D 0836 16.05

May 04 2011 Hour: 08:23:48.0 Lat: 37.12°N Lon: 143.38°E M: 5.3 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 0836 13.08

May 04 2011 Hour: 10:42:57.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1046 03.49
 PSZ SN ESg 1046 08.69

May 04 2011 Hour: 16:10:47.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg C 1614 03.63
 PSZ SN ESg 1614 06.85

May 04 2011 Hour: 16:13:29.0 Lat: 20.38°S Lon: 178.45°W M: 5.6 Depth: 588 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 1632 11.16
 SOP SZ EP D 1632 14.54
 TRPA SZ EP D 1632 07.84

May 04 2011 Hour: 17:38:40.0 Lat: 4.90°S Lon: 101.89°E M: 5.5 Depth: 53 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 1751 18.61
 CSKK SZ EP 1751 29.61

May 04 2011 Hour: 17:38:40.0 Lat: 4.90°S Lon: 101.89°E M: 5.5 Depth: 53 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 1751 28.66

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

May 05 2011 Hour: 02:44:52.0 Lat: 52.85°N Lon: 174.77°W M: 5.3 Depth: 203 km
 STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 0257 23.47
 PSZ SZ EP 0257 26.27
 BUD XZ EP 0257 29.52
 BEHE SZ EP 0257 35.21
 SOP SZ EP 0257 29.66

May 05 2011 Hour: 14:13:01.0 Lat: 55.18°N Lon: 160.62°W M: 5.7 Depth: 41 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 1425 00.40
 BUD XZ EP 1425 00.07
 CSKK SZ EP 1424 55.66
 PSZ SZ EP C 1424 52.71
 TRPA SZ EP C 1424 51.09

May 05 2011 Hour: 14:58:21.0 Lat: 38.23°N Lon: 144.00°E M: 6.1 Depth: 30 km
 STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 1510 26.13
 TRPA SZ IPP 1513 26.59
 TRPA SZ IS 1520 26.12
 PSZ SZ EP D 1510 33.63
 PSZ SZ IPP 1513 42.39
 PSZ SZ IS 1520 43.74
 PSZ SZ ESS 1526 06.38
 SOP SZ EP D 1510 42.52
 SOP SZ IPP 1513 39.99
 SOP SZ IS 1520 56.18
 SOP SZ ESS 1526 29.89
 BUD XZ EP 1510 37.18
 BUD XZ IPP 1513 45.25
 CSKK SZ EP 1510 39.16
 CSKK SZ ES 1520 49.25
 BEHE SZ EP D 1510 46.17
 BEHE SZ IS 1521 09.39

May 05 2011 Hour: 16:15:22.0 Lat: 25.11°S Lon: 177.43°W M: 5.6 Depth: 156 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP 1634 53.80
 TRPA SZ EP 1634 58.17
 BEHE SZ EP 1634 56.34
 PSZ SZ EP 1634 53.24
 SOP SZ EP 1634 55.15

May 05 2011 Hour: 16:57:37.0 Lat: 55.14°N Lon: 160.62°W M: 5.8 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP C 1709 30.39
 BUD XZ IP 1716 45.33
 SOP SN IS 1719 14.37
 PSZ SN ES 1719 18.49
 CSKK SN ES 1719 16.53
 CSKK SZ EP C 1709 31.56
 PSZ SZ EP C 1709 28.93

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

SOP SZ EP 1709 29.51
 TRPA SZ EP C 1709 26.59
 TRPA SZ ES 1719 09.74

May 05 2011 Hour: 16:57:37.0 Lat: 55.14°N Lon: 160.62°W M: 5.8 Depth: 40 km

STAT CO PHASE P HRMM SECON
 BEHE SZ IP C 1709 36.59

May 05 2011 Hour: 23:21:22.0 Lat: 26.16°N Lon: 128.41°E M: 5.6 Depth: 106 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 2333 51.16
 PSZ SZ EP C 2333 45.07
 TRPA SZ EP C 2333 36.40
 SOP SZ EP C 2333 55.46
 BEHE SZ EP C 2333 58.25
 PSZ SN ES 2344 01.70
 SOP SE ES 2344 19.57
 TRPA SN ES 2343 45.02
 BUD XZ EP C 2333 48.45
 BUD XZ IS 2343 34.38

May 06 2011 Hour: 01:53:45.0 Lat: 43.97°N Lon: 17.44°E M: 3.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPn 0154 41.93
 PSZ SZ EPn 0154 54.42
 PSZ SN Sn 0155 45.08
 BEHE SZ EPn 0154 27.70
 CSKK SN Sn 0155 21.69
 BEHE SN Sn 0155 00.50
 BEHE SN ESg 0155 09.34

May 06 2011 Hour: 04:34:55.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ IPg 0438 08.66
 CSKK SN EPg 0438 10.76
 CSKK SN ESg 0438 10.17

May 06 2011 Hour: 09:24:48.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg C 0927 23.37
 PSZ SN ESg 0927 29.11
 PSZ SE ESg 0927 29.01

May 06 2011 Hour: 12:53:51.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1257 32.06
 PSZ SN ESg 1257 35.14

May 07 2011 Hour: 01:35:45.0 Lat: 40.36°N Lon: 21.35°E M: 4.0 Depth: 14 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 0137 30.60
 BUD XZ EPn 0137 30.31
 PSZ SZ EPn 0137 34.69

SOP	SZ	EPn	0137	44.64
TRPA	SZ	EPn	0137	40.54
PSZ	SE	Sn	0138	58.91
CSKK	SN	Sn	0138	51.02
BUD	XN	Sn	0138	49.26
TRPA	SN	Sn	0139	09.73
CSKK	SZ	EPn	0137	32.21
BEHE	SN	Sn	0138	47.50
SOP	SN	Sn	0139	11.28
SOP	SE	Sn	0139	12.76

May 07 2011 Hour: 20:52:19.0 Lat: 40.33°N Lon: 142.24°E M: 5.7 Depth: 24 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SN	ES		2114	17.17
SOP	SN	ES		2114	40.54
PSZ	SN	ES		2114	25.35
CSKK	SN	ES		2114	45.21
BUD	XZ	IP	C	2104	22.76
CSKK	SZ	IP		2104	24.51
PSZ	SZ	IP	C	2104	19.27
SOP	SZ	IP	C	2104	28.35
TRPA	SZ	IP	C	2104	11.58
BEHE	SZ	IP	C	2104	31.49
BEHE	SZ	ES		2115	36.98

May 08 2011 Hour: 06:50:24.0 Lat: 36.70°N Lon: 27.24°E M: 5.1 Depth: 11 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EPn		0653	36.03
BEHE	SZ	EPn		0653	25.14
PSZ	SZ	EPn		0653	23.30
BEHE	SE	Sn		0655	43.75
PSZ	SN	Sn		0655	45.30
SOP	SN	Sn		0656	10.88

May 08 2011 Hour: 09:47:11.0 Lat: 42.00°N Lon: 21.39°E M: 3.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		0948	41.25
PSZ	SN	Sn		0949	49.84

May 08 2011 Hour: 22:17:34.0 Lat: 29.70°N Lon: 50.90°E M: 4.9 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP	D	2223	50.44
SOP	SZ	EP	C	2224	00.21

May 09 2011 Hour: 08:18:52.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	C	0821	42.33
CSKK	SN	ESg		0821	44.26
CSKK	SE	ESg		0821	44.44

May 09 2011 Hour: 08:29:55.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	C	0834	01.29

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

CSKK SN ESg 0834 03.13
 CSKK SE ESg 0834 03.29

May 09 2011 Hour: 09:03:51.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg C 0907 26.18
 PSZ SN ESg 0907 28.96
 PSZ SE ESg 0907 28.96

May 09 2011 Hour: 18:54:43.0 Lat: 56.70°S Lon: 147.47°E M: 6.0 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPP 1914 30.13
 CSKK SZ EPP 1914 27.90
 PSZ SZ EPP C 1914 31.46
 SOP SZ EPP 1914 33.03
 TRPA SZ EPP 1914 22.29
 SOP SN ESS 1937 10.99
 PSZ SE ESS 1938 07.33
 CSKK SN ESS 1938 25.45

May 09 2011 Hour: 20:15:56.0 Lat: 37.82°N Lon: 143.49°E M: 5.7 Depth: 30 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP D 2028 21.36
 BUD XZ EP 2028 12.63
 CSKK SZ EP D 2028 14.91
 PSZ SZ EP D 2028 09.11
 TRPA SZ IP D 2028 01.96
 SOP SZ IP D 2028 18.03

May 10 2011 Hour: 07:16:12.0 Lat: 37.32°N Lon: 143.75°E M: 5.4 Depth: 20 km

STAT CO PHASE P HRMM SECON
 PSZ SZ IP D 0728 28.55
 SOP SZ IP D 0728 37.33
 TRPA SZ IP D 0728 21.22

May 10 2011 Hour: 08:30:31.0 Lat: 37.83°N Lon: 143.55°E M: 5.4 Depth: 30 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0842 43.72

May 10 2011 Hour: 08:55:12.0 Lat: 20.24°S Lon: 168.28°E M: 6.8 Depth: 30 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPP 0914 42.19
 SOP SZ EPP D 0914 44.76
 BUD XZ EPP D 0914 38.02
 BUD XZ IPP 0917 52.85
 PSZ SZ EPP D 0914 38.02
 PSZ SZ IPP 0917 45.54
 TRPA SZ EPP 0914 34.77
 TRPA SZ IPP 0917 39.85
 SOP SN IPP 0917 43.91
 BEHE SZ EPP D 0914 46.69

May 10 2011 Hour: 10:24:22.0 Lat: 20.25°S Lon: 168.43°E M: 5.8 Depth: 38 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPP 1043 50.34

May 10 2011 Hour: 15:26:05.0 Lat: 43.38°N Lon: 130.86°E M: 5.3 Depth: 550 km
 STAT CO PHASE P HRMM SECON
 SOP SE IS 1538 33.35
 PSZ SZ IP D 1536 26.33
 PSZ SZ EPP 1539 15.36
 SOP SZ IP D 1536 37.14
 SOP SZ EPP 1539 24.99
 PSZ SN IS 1538 22.12
 PSZ SN ES 1544 58.01
 SOP SN ES 1545 13.41

May 11 2011 Hour: 00:48:10.0 Lat: 18.78°S Lon: 176.83°W M: 4.9 Depth: 359 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPP 0107 13.77
 TRPA SZ EPP D 0107 10.72
 SOP SZ EPP 0107 17.11

May 11 2011 Hour: 01:20:05.0 Lat: 37.90°N Lon: 143.58°E M: 5.5 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0132 19.98
 SOP SZ EP D 0132 28.02
 TRPA SZ EP D 0132 12.40

May 11 2011 Hour: 06:20:55.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0623 57.60
 CSKK SN ESg 0623 59.59
 CSKK SE ESg 0623 59.70

May 11 2011 Hour: 06:20:55.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0624 12.40
 CSKK SN IP 0624 14.39
 CSKK SE IP 0624 14.23

May 11 2011 Hour: 08:19:38.0 Lat: 20.32°S Lon: 168.36°E M: 5.9 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPP C 0839 07.17

May 11 2011 Hour: 15:59:08.0 Lat: 17.39°S Lon: 172.46°W M: 5.1 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ IPP D 1618 54.14
 SOP SZ IPP D 1618 56.90
 TRPA SZ IPP D 1618 51.38

May 11 2011 Hour: 16:47:25.0 Lat: 37.68°N Lon: 1.68°W M: 5.1 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP 1651 39.96

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

May 11 2011 Hour: 18:14:35.0 Lat: 36.11°N Lon: 142.28°E M: 5.1 Depth: 31 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP 1826 50.32

May 12 2011 Hour: 07:39:32.0 Lat: 17.23°S Lon: 172.70°W M: 5.2 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPP D 0759 18.08
 SOP SZ EPP D 0759 20.45
 TRPA SZ EPP D 0759 15.22

May 12 2011 Hour: 11:33:47.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1136 26.76
 PSZ SE ISg 1136 30.33
 PSZ SN ISg 1136 30.41

May 13 2011 Hour: 01:04:37.0 Lat: 12.49°N Lon: 143.98°E M: 5.6 Depth: 6 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0118 31.35

May 13 2011 Hour: 03:57:48.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 SOP SN Sn 0400 59.04
 PSZ SN Sn 0401 12.21
 CSKK SN Sn 0401 07.82
 BEHE SZ EPn 0400 28.99
 CSKK SZ EPn 0400 13.19
 PSZ SZ EPn 0400 14.38
 SOP SZ EPn 0400 06.02

May 13 2011 Hour: 07:07:55.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0710 06.91
 CSKK SN ISg 0710 09.33
 CSKK SE ISg 0710 09.11

May 13 2011 Hour: 07:07:55.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0710 19.18
 CSKK SN ISg 0710 21.21
 CSKK SE ISg 0710 21.33

May 13 2011 Hour: 08:48:54.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg C 0851 45.46
 PSZ SN ISg 0851 51.22
 PSZ SE ISg 0851 51.24

May 13 2011 Hour: 11:02:54.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1105 23.44
 PSZ SN ESg 1105 26.84
 PSZ SE ESg 1105 27.33

May 13 2011 Hour: 21:39:31.0 Lat: 36.76°N Lon: 71.01°E M: 4.7 Depth: 248 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2146 33.02
 SOP SZ EP C 2146 51.04

May 13 2011 Hour: 22:47:53.0 Lat: 10.08°N Lon: 84.30°W M: 5.9 Depth: 52 km
 STAT CO PHASE P HRMM SECON
 CSKK XZ EP 2300 51.65
 PSZ XZ EP C 2300 55.50
 SOP XZ EP C 2300 45.05

May 13 2011 Hour: 23:35:58.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 2339 06.74
 CSKK SE ESg 2339 08.48
 CSKK SN ISg 2339 08.59

May 13 2011 Hour: 23:35:53.0 Lat: 37.41°N Lon: 141.32°E M: 6.2 Depth: 44 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP C 2348 05.02
 CSKK SZ EP 2348 05.98
 PSZ SZ EP C 2348 01.28
 PSZ SZ EPP 2351 00.50
 SOP SZ EP C 2348 10.48
 SOP SZ EPP 2351 18.40
 BUD XE EPP 2351 10.98
 PSZ SN IS 2358 01.83
 SOP SN IS 2358 16.09

May 14 2011 Hour: 08:45:52.0 Lat: 41.72°N Lon: 20.98°E M: 4.1 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPn 0847 20.53
 SOP SZ EPn 0847 30.01
 CSKK SN Sn 0848 29.90
 SOP SN Sn 0848 46.32
 BUD XN Sn 0848 28.74
 BUD XZ EPn 0847 20.94

May 14 2011 Hour: 16:54:53.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 1658 21.56
 CSKK SN ISg 1658 22.46
 CSKK SE ISg 1658 22.51

May 14 2011 Hour: 19:19:54.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPn 1922 47.95
 PSZ SN Sn 1923 13.51
 SOP SN Sn 1923 19.99
 SOP SZ EPn 1922 48.50

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

May 14 2011 Hour: 21:07:21.0 Lat: 36.57°N Lon: 70.78°E M: 5.9 Depth: 194 km
 STAT CO PHASE P HRMM SECON
 PSZ SN ES 2120 04.85
 PSZ SN ISS 2123 05.87
 SOP SN ES 2120 37.29
 SOP SN ISS 2123 45.63
 CSKK SN ISS 2124 17.03
 BEHE SZ EP 2114 44.95
 BEHE SZ ISS 2124 23.30
 CSKK SZ EP C 2114 35.74
 CSKK SZ EPP 2116 14.70
 PSZ SZ EP C 2114 27.24
 PSZ SZ EPP 2116 03.92
 SOP SZ EP C 2114 45.12
 SOP SZ EPP 2116 25.20

May 14 2011 Hour: 22:30:31.0 Lat: 43.15°N Lon: 146.16°E M: 5.2 Depth: 55 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2242 23.07
 SOP SZ EP C 2242 31.22

May 14 2011 Hour: 23:32:31.0 Lat: 42.04°N Lon: 20.89°E M: 3.6 Depth: 13 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPn 2333 59.48
 CSKK SZ EPn 2333 55.98
 BUD XN Sn 2335 01.76
 CSKK SN Sn 2335 03.28
 PSZ SN Sn 2335 08.15
 SOP SZ EPn 2334 06.79
 SOP SN Sn 2335 20.22

May 14 2011 Hour: 23:50:49.0 Lat: 37.47°N Lon: 141.39°E M: 5.3 Depth: 52 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0003 04.03
 BUD XZ EP C 0002 57.33
 CSKK SZ EP C 0002 59.64
 PSZ SZ EP C 0002 53.75
 SOP SZ EP C 0003 02.76

May 15 2011 Hour: 01:04:50.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0108 29.80
 CSKK SN ESg 0108 32.07

May 16 2011 Hour: 07:31:57.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0734 51.96
 CSKK SE ESg 0734 55.64

May 16 2011 Hour: 15:53:33.0 Lat: 37.47°N Lon: 141.22°E M: 5.0 Depth: 30 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 1605 41.07
 TRPA SZ IP 1605 33.38

May 17 2011 Hour: 00:30:41.0 Lat: 36.68°N Lon: 71.21°E M: 5.0 Depth: 242 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0037	53.49
BUD	XZ	EP	C	0037	47.93
PSZ	SZ	EP	C	0037	44.03
PSZ	SZ	IPP		0038	32.65
SOP	SZ	EP		0038	02.26
SOP	SZ	IPP		0038	50.65
TRPA	SZ	EP	C	0037	29.23
TRPA	SZ	IPP		0038	17.57

May 17 2011 Hour: 08:12:54.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		0814	43.25
PSZ	SN	ESg		0814	52.96
PSZ	SE	ESg		0814	52.72

May 17 2011 Hour: 11:29:54.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	C	1131	50.10
CSKK	SN	ESg		1131	53.94
CSKK	SE	ESg		1131	53.94

May 17 2011 Hour: 15:04:47.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg	C	1507	13.40
PSZ	SN	ESg		1507	31.13
PSZ	SE	ESg		1507	31.01

May 18 2011 Hour: 14:46:48.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg	C	1449	19.08
PSZ	SN	ESg		1449	22.53
PSZ	SE	ESg		1449	22.79

May 18 2011 Hour: 17:42:35.0 Lat: 55.50°N Lon: 163.95°E M: 5.6 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		1754	04.70
CSKK	SZ	IP		1754	21.62
TRPA	SZ	EP	D	1753	57.70
TRPA	SZ	IP		1754	10.42
TRPA	SN	ES		1803	14.16
PSZ	SZ	EP	D	1754	03.18
PSZ	SZ	IP		1754	16.72
PSZ	SZ	ES		1803	51.58

May 19 2011 Hour: 14:50:53.0 Lat: 39.05°N Lon: 15.18°E M: 4.7 Depth: 292 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn	D	1453	05.05
SOP	SZ	EPn	C	1452	55.97

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

May 19 2011 Hour: 20:15:22.0 Lat: 39.15°N Lon: 29.10°E M: 5.8 Depth: 7 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EPn		2017	46.54
TRPA	SZ	Sn		2019	23.39
SOP	SZ	EPn		2018	24.57
SOP	SZ	Sn		2020	41.73
PSZ	SZ	EPn		2018	04.03
PSZ	SZ	Sn		2020	02.18
CSKK	SZ	EPn		2018	05.80
CSKK	SZ	Sn		2020	15.11
BUD	XZ	EPn		2018	03.02
BUD	XZ	Sn		2020	07.50
BEHE	SZ	ES		2021	22.80
BEHE	SZ	EPn		2018	11.38
BEHE	SZ	Sn		2020	20.18

May 19 2011 Hour: 20:39:04.0 Lat: 34.36°N Lon: 23.76°E M: 5.2 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EPn		2042	32.01
PSZ	SZ	EPn		2042	21.43
CSKK	SZ	EPn	C	2042	13.04
CSKK	SE	Sn		2048	23.66
SOP	SE	Sn		2045	16.74
PSZ	SE	Sn		2044	54.67
CSKK	SN	Sn		2044	57.05

May 20 2011 Hour: 00:46:17.0 Lat: 35.80°N Lon: 140.84°E M: 5.7 Depth: 36 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	0058	43.78
BEHE	SE	EP	D	0058	35.33
TRPA	SZ	EP	C	0058	24.32
TRPA	SZ	IPP		0101	27.09
SOP	SZ	EP	C	0058	41.03
SOP	SZ	IPP		0101	53.85
PSZ	SZ	EP	C	0058	31.79
PSZ	SZ	IPP		0101	48.28
CSKK	SZ	EP		0058	37.10
CSKK	SZ	IPP		0101	47.16

May 20 2011 Hour: 13:19:49.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg	C	1322	43.20
PSZ	SE	ISg		1322	50.00
PSZ	SN	ISg		1322	50.00
PSZ	SN	Lg		1322	53.51

May 20 2011 Hour: 14:29:49.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	D	1435	06.50
CSKK	SN	ESg		1435	08.72
CSKK	SE	ESg		1435	08.84
BUD	XN	Sn		1435	19.19
BUD	XZ	EPn		1435	13.51

PSZ SN Sn 1435 41.76
 PSZ SZ EPn 1435 25.47

May 20 2011 Hour: 19:43:19.0 Lat: 7.20°S Lon: 146.91°E M: 5.7 Depth: 30 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 2002 08.64
 PSZ SZ EP D 2002 10.68

May 21 2011 Hour: 13:32:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 1334 55.91
 CSKK SN ESg 1334 58.18
 CSKK SE ESg 1334 58.26

May 21 2011 Hour: 22:06:25.0 Lat: 35.66°N Lon: 140.51°E M: 5.6 Depth: 31 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2218 40.12
 TRPA SZ EP C 2218 32.66
 CSKK SZ EP C 2218 45.61
 CSKK SZ IP 2221 54.69
 SOP SZ EP C 2218 49.30
 SOP SZ IP 2222 00.57
 SOP SE IP 2222 01.64

May 22 2011 Hour: 14:46:08.0 Lat: 37.62°N Lon: 143.54°E M: 5.5 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 1458 25.04
 SOP SZ EP D 1458 33.85
 TRPA SZ EP D 1458 18.08
 TRPA SE ES 1508 19.43
 SOP SE ES 1508 50.44
 PSZ SE ES 1508 34.66

May 22 2011 Hour: 16:42:24.0 Lat: 13.66°N Lon: 120.82°E M: 5.7 Depth: 143 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 1654 45.24
 TRPA SZ IPP 1658 06.51
 SOP SZ EP C 1655 03.66
 SOP SZ IPP 1658 41.48
 PSZ SZ EP C 1654 53.64
 PSZ SZ IPP 1658 32.73

May 22 2011 Hour: 19:42:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 1946 08.14
 CSKK SN ESg 1946 10.26
 CSKK SE ESg 1946 10.47

May 23 2011 Hour: 00:08:50.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 0011 26.67
 CSKK SN ESg 0011 28.84
 CSKK SE ESg 0011 29.01

May 23 2011 Hour: 08:21:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK XZ EPg C 0823 07.38
 CSKK XE ESg 0823 08.38
 CSKK XN ESg 0823 08.61

May 23 2011 Hour: 08:21:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 0822 11.74
 CSKK XN ESg 0822 12.99
 CSKK XE ESg 0822 12.72

May 23 2011 Hour: 09:53:50.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 0956 02.61
 PSZ SE ESg 0956 06.16
 PSZ SN ESg 0956 06.39

May 24 2011 Hour: 03:40:54.0 Lat: 39.81°N Lon: 143.24°E M: 5.8 Depth: 30 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP C 0352 59.74
 CSKK SZ EP C 0353 02.48
 CSKK SZ IPP 0356 08.56
 PSZ SZ EP C 0352 56.76
 PSZ SZ IPP 0355 54.33
 SOP SZ EP C 0353 06.21
 SOP SZ IPP 0356 07.82
 TRPA SZ EP C 0352 49.29
 TRPA SZ IPP 0355 59.58
 PSZ SN IS 0402 49.48
 SOP SN IS 0403 11.73
 TRPA SN IS 0402 42.31
 CSKK SN IS 0403 23.93

May 24 2011 Hour: 07:41:52.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0744 59.15
 CSKK SN ESg 0745 00.53
 CSKK SE ESg 0745 00.47

May 24 2011 Hour: 07:41:52.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0745 10.15
 CSKK SN ESg 0745 11.42

May 24 2011 Hour: 07:41:52.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0750 23.19
 CSKK SN ESg 0750 24.54
 CSKK SE ESg 0750 24.67

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

May 24 2011 Hour: 17:43:24.0 Lat: 52.64°N Lon: 173.32°W M: 5.5 Depth: 140 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 1755 13.95
 SOP SZ IP C 1755 16.75
 TRPA SZ IP C 1755 11.01

May 25 2011 Hour: 10:02:53.0 Lat: 49.22°N Lon: 147.46°E M: 5.2 Depth: 572 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP 1013 31.03
 CSKK SZ EP D 1013 33.02
 PSZ SZ EP 1013 27.17
 SOP SZ EP D 1013 35.10
 TRPA SZ EP D 1013 20.31

May 25 2011 Hour: 23:27:50.0 Lat: 37.94°N Lon: 21.13°E M: 4.8 Depth: 1 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 2330 01.38
 BUD XZ EPn 2330 19.05
 SOP SZ EPn 2330 26.59
 SOP SN ESn 2332 20.49
 PSZ SZ EPn 2330 18.19
 PSZ SZ ESn 2332 55.78
 BUD XN ESn 2333 17.95
 BEHE SN ESn 2332 04.36

May 27 2011 Hour: 10:30:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ XZ EPn 1031 55.57
 PSZ XN Sn 1032 00.84

May 27 2011 Hour: 11:34:53.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 1137 54.56
 CSKK SN ESg 1137 57.34
 CSKK SE ESg 1137 56.71

May 27 2011 Hour: 17:24:30.0 Lat: 35.68°N Lon: 23.47°E M: 4.7 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPn 1727 34.91
 PSZ SN Sn 1729 50.29
 PSZ SE Sn 1729 50.15

May 28 2011 Hour: 01:03:51.0 Lat: 39.27°N Lon: 20.51°E M: 4.3 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPn 0105 59.82
 PSZ SE Sn 0107 33.79

May 28 2011 Hour: 17:07:40.0 Lat: 5.75°S Lon: 103.45°E M: 5.5 Depth: 26 km
 STAT CO PHASE P HRMM SECON
 PSZ SE ES 1731 03.15
 PSZ SZ EP D 1720 37.78
 PSZ SZ ES 1731 08.26
 PSZ SZ IPP 1724 12.80

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BEHE SN EP 1720 51.55
 BEHE SN IPP 1724 32.64
 BEHE SN IS 1731 41.63

May 29 2011 Hour: 11:19:57.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SN EPg 1122 37.95
 CSKK SE ESg 1122 38.26

May 29 2011 Hour: 11:39:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 1143 58.88
 CSKK SE ESg 1143 59.30
 CSKK SN ESg 1143 59.28

May 29 2011 Hour: 11:39:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 1155 36.96
 CSKK SN ESg 1155 37.46

May 30 2011 Hour: 00:06:23.0 Lat: 15.17°S Lon: 173.61°W M: 5.3 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0026 03.88
 SOP SZ EP C 0026 07.10

May 30 2011 Hour: 10:21:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1025 36.21
 PSZ SN ESg 1025 39.14
 PSZ SE ESg 1025 39.27

May 30 2011 Hour: 23:53:45.0 Lat: 40.37°N Lon: 143.20°E M: 5.2 Depth: 33 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 0005 38.81
 PSZ SZ EP D 0005 46.22

May 31 2011 Hour: 12:28:33.0 Lat: 39.37°N Lon: 141.87°E M: 5.4 Depth: 20 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1240 34.53
 SOP SZ EP C 1240 43.87
 TRPA SZ EP C 1240 26.93

May 31 2011 Hour: 16:26:12.0 Lat: 40.27°N Lon: 143.26°E M: 5.0 Depth: 40 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1638 12.52
 SOP SZ EP 1638 21.26
 TRPA SZ EP C 1638 05.29

May 31 2011 Hour: 23:13:56.0 Lat: 42.91°N Lon: 18.68°E M: 2.9 Depth: 20 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPn 2315 03.65
 PSZ SZ EPn 2315 11.01
 SOP SZ EPn 2315 11.35

SOP SN Sn 2316 07.99
 PSZ SN Sn 2316 09.68
 CSKK SN Sn 2315 57.17

May 31 2011 Hour: 23:32:50.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 2336 14.99
 CSKK SN ESg 2336 17.32
 CSKK SE ESg 2336 17.47

June 01 2011 Hour: 03:14:13.0 Lat: 39.81°N Lon: 143.49°E M: 4.9 Depth: 17 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0326 17.76
 TRPA SZ EP C 0326 10.81

June 01 2011 Hour: 08:27:55.0 Lat: 43.74°N Lon: 17.19°E M: 3.9 Depth: 2 km

STAT CO PHASE P HRMM SECON
 SOP SZ EPn 0828 55.06
 PSZ SZ EPn 0829 03.92
 BEHE SZ EPn 0828 38.85
 SOP SN Sn 0829 44.12
 PSZ SN Sn 0829 57.95
 BEHE SN Sn 0829 14.45
 BUD XZ EPg 0829 10.89
 BUD XE Sn 0829 43.48

June 01 2011 Hour: 17:18:59.0 Lat: 36.35°N Lon: 22.20°E M: 4.5 Depth: 50 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 1721 29.83
 PSZ SZ EPn C 1721 42.78
 TRPA SZ EPn 1721 41.83

June 01 2011 Hour: 19:21:44.0 Lat: 31.97°S Lon: 177.83°W M: 5.1 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 1942 15.38

June 02 2011 Hour: 21:50:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 BUD XZ EP 2152 23.01

June 03 2011 Hour: 00:05:00.0 Lat: 37.33°N Lon: 143.92°E M: 6.5 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ IP D 0017 18.97
 PSZ SZ EPP 0020 26.57
 PSZ SZ ESS 0033 20.11
 SOP SZ IP D 0017 28.03
 SOP SZ EPP 0020 37.48
 SOP SZ ESS 0033 50.06
 TRPA SZ IP D 0017 11.94
 TRPA SZ EPP 0020 11.60
 TRPA SZ ES 0032 37.31
 BEHE SZ IP D 0017 31.47
 BEHE SZ EPP 0020 45.79

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BEHE SZ IS 0027 47.13
 BEHE SZ ES 0034 09.32
 BUD XZ IP D 0017 22.87
 BUD XZ EPP 0020 32.86
 BUD XZ ESS 0032 58.71
 BUD XZ IS 0027 46.31
 PSZ SN IS 0027 29.20
 SOP SN IS 0027 48.45
 TRPA SN IS 0027 20.64

June 03 2011 Hour: 07:27:12.0 Lat: 9.62°N Lon: 92.46°E M: 5.6 Depth: 49 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0738 26.01
 SOP SZ EP D 0738 39.33
 TRPA SZ EP D 0738 15.91

June 03 2011 Hour: 16:00:17.0 Lat: 37.10°N Lon: 140.93°E M: 5.4 Depth: 30 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 1612 30.02
 PSZ SZ EP D 1612 26.43
 SOP SZ EP D 1612 35.59
 TRPA SZ EP D 1612 18.89

June 04 2011 Hour: 14:36:28.0 Lat: 47.58°N Lon: 15.66°E M: 2.4 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE SN ESg 1437 12.81
 BEHE SE ESg 1437 12.28
 BEHE SZ EPg 1436 53.80

June 05 2011 Hour: 11:51:19.0 Lat: 55.56°S Lon: 146.90°E M: 6.4 Depth: 40 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 1210 57.80
 BUD XZ EP 1210 56.99
 PSZ SZ EP 1210 56.19
 SOP SZ EP 1210 59.94
 TRPA SZ EP 1210 50.04

June 05 2011 Hour: 16:35:05.0 Lat: 15.14°S Lon: 177.96°W M: 5.9 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 1654 42.83
 BEHE SZ EP 1654 49.32
 BEHE SZ ISS 1715 37.88
 PSZ SZ EP 1654 39.85
 PSZ SZ ISS 1715 26.57
 SOP SZ EP 1654 44.15
 SOP SZ ISS 1715 31.42
 TRPA SZ EP 1654 49.21
 TRPA SZ ISS 1715 31.65

June 06 2011 Hour: 12:09:51.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1212 25.37
 PSZ SN ESg 1212 28.55

June 06 2011 Hour: 18:52:25.0 Lat: 37.64°N Lon: 143.58°E M: 5.0 Depth: 43 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 1904 36.21
 SOP SZ EP D 1904 45.37
 TRPA SZ EP D 1904 29.69

June 06 2011 Hour: 20:10:25.0 Lat: 37.91°N Lon: 141.53°E M: 5.0 Depth: 27 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2022 32.90
 SOP SZ EP C 2022 41.89
 TRPA SZ EP C 2022 25.24

June 07 2011 Hour: 10:38:29.0 Lat: 48.35°N Lon: 154.22°E M: 5.2 Depth: 44 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 1050 25.85
 BUD XZ EP C 1050 17.18
 PSZ SZ EP C 1050 13.32
 SOP SZ EP C 1050 21.03
 TRPA SZ EP C 1050 07.21

June 08 2011 Hour: 01:53:25.0 Lat: 43.05°N Lon: 88.26°E M: 5.3 Depth: 18 km
 STAT CO PHASE P HRMM SECON
 TRPA SZ IP C 0201 40.58
 TRPA SZ ESS 0213 03.11
 SOP SZ IP C 0202 11.31
 SOP SZ ESS 0214 01.33
 PSZ SZ EP 0201 54.61
 PSZ SZ ES 0213 31.63
 BUD XZ EP C 0202 00.06
 BUD XZ ESS 0216 23.91
 BEHE SZ IP C 0202 13.76
 BEHE SZ ESS 0216 46.49

June 08 2011 Hour: 07:33:06.0 Lat: 17.87°S Lon: 178.32°W M: 4.6 Depth: 595 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0751 41.86
 TRPA SZ EP D 0751 38.38

June 08 2011 Hour: 09:39:32.0 Lat: 51.37°N Lon: 16.00°E M: 4.1 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 SOP SZ EPn 0940 30.19
 PSZ SZ EPn 0940 36.99
 PSZ SZ EPg 0940 54.74
 PSZ SE Sn 0941 29.48
 SOP SN Sn 0941 15.76
 SOP SN ESg 0941 34.12
 PSZ SN Sn 0941 29.48
 PSZ SN ESg 0941 51.38

June 08 2011 Hour: 14:40:34.0 Lat: 43.74°N Lon: 20.63°E M: 2.8 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 PSZ SN Sn 1442 24.69

PSZ SZ EPn 1441 36.47

June 08 2011 Hour: 15:40:13.0 Lat: 4.48°S Lon: 150.05°E M: 5.3 Depth: 482 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP D 1558 05.86

SOP SZ EP 1558 10.61

TRPA SZ EP C 1558 02.88

June 08 2011 Hour: 16:32:17.0 Lat: 1.18°N Lon: 96.74°E M: 5.5 Depth: 10 km

STAT CO PHASE P HRMM SECON

TRPA SZ EP D 1644 19.34

PSZ SZ EP D 1644 28.59

PSZ SZ ES 1654 24.58

June 08 2011 Hour: 21:46:03.0 Lat: 20.19°S Lon: 168.45°E M: 5.3 Depth: 40 km

STAT CO PHASE P HRMM SECON

BEHE SZ EP D 2205 37.04

SOP SZ EP D 2205 34.31

June 09 2011 Hour: 08:14:26.0 Lat: 34.76°N Lon: 29.14°E M: 4.4 Depth: 48 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP 0817 58.61

June 09 2011 Hour: 10:26:05.0 Lat: 37.41°N Lon: 142.09°E M: 5.2 Depth: 17 km

STAT CO PHASE P HRMM SECON

SOP SZ EP D 1038 27.92

PSZ SZ EP D 1038 18.73

TRPA SZ EP D 1038 11.30

June 09 2011 Hour: 10:38:34.0 Lat: 36.49°N Lon: 140.82°E M: 5.4 Depth: 10 km

STAT CO PHASE P HRMM SECON

SOP SZ EP D 1050 55.60

PSZ SZ EP 1050 47.90

PSZ SN ES 1100 56.78

SOP SN ES 1101 14.66

TRPA SZ EP D 1050 38.71

TRPA SZ ES 1100 54.31

June 09 2011 Hour: 16:16:34.0 Lat: 40.68°N Lon: 19.78°E M: 4.1 Depth: 10 km

STAT CO PHASE P HRMM SECON

BEHE SZ EPn 1618 01.96

PSZ SZ EPn 1618 20.22

SOP SZ EPn 1618 33.91

TRPA SZ EPn 1618 24.78

BEHE SN Sn 1619 35.00

PSZ SN Sn 1619 51.85

SOP SN Sn 1620 20.99

TRPA SE Sn 1620 20.63

June 09 2011 Hour: 18:15:54.0 Lat: 40.27°N Lon: 142.48°E M: 5.0 Depth: 52 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP C 1827 51.13

SOP SZ EP C 1828 00.65

TRPA SZ EP C 1827 43.79

June 09 2011 Hour: 20:24:58.0 Lat: 49.61°N Lon: 168.00°E M: 5.3 Depth: 33 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP D 2036 53.87

June 10 2011 Hour: 00:11:21.0 Lat: 6.53°S Lon: 148.01°E M: 5.3 Depth: 31 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP 0030 07.67

SOP SZ EP 0030 11.79

June 10 2011 Hour: 22:35:55.0 Lat: 38.37°N Lon: 142.13°E M: 5.1 Depth: 35 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP D 2248 01.26

TRPA SZ EP D 2247 53.57

SOP SZ EP D 2248 10.16

PSZ SN EPP 2251 03.00

SOP SN EPP 2251 05.44

TRPA SN EPP 2251 09.51

June 12 2011 Hour: 12:57:56.0 Lat: 36.24°N Lon: 141.54°E M: 5.1 Depth: 30 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP 1310 10.85

June 12 2011 Hour: 15:37:04.0 Lat: 13.35°N Lon: 41.78°E M: 5.0 Depth: 2 km

STAT CO PHASE P HRMM SECON

TRPA SZ EP C 1544 26.53

PSZ SZ EP C 1544 32.25

June 12 2011 Hour: 17:18:09.0 Lat: 13.26°N Lon: 41.78°E M: 4.8 Depth: 10 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP C 1725 36.78

SOP SZ EP C 1725 46.63

TRPA SZ EP D 1725 30.84

June 12 2011 Hour: 19:21:50.0 Lat: 13.21°N Lon: 41.21°E M: 5.0 Depth: 10 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP D 1929 19.25

SOP SZ EP D 1929 29.12

TRPA SZ EP D 1929 12.67

PSZ SE EScP 1935 20.63

June 12 2011 Hour: 19:21:50.0 Lat: 13.21°N Lon: 41.21°E M: 5.0 Depth: 10 km

STAT CO PHASE P HRMM SECON

BUD XZ EP D 1929 19.71

June 12 2011 Hour: 20:32:39.0 Lat: 13.40°N Lon: 41.67°E M: 5.6 Depth: 2 km

STAT CO PHASE P HRMM SECON

SOP SE ESS 2049 15.65

TRPA SE ESS 2048 43.40

BEHE SN ESS 2049 09.60

BEHE SZ EP C 2040 08.93

BEHE SZ IS 2046 07.70

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BUD XZ EP C 2040 06.98
 BUD XZ IS 2046 05.40
 PSZ SZ EP C 2040 06.98
 PSZ SZ IS 2046 06.50
 SOP SZ EP 2040 16.78
 SOP SZ ESS 2049 27.75
 SOP SZ IS 2046 11.31
 TRPA SZ EP C 2040 00.64
 TRPA SZ IS 2045 58.51
 CSKK SZ EP 2040 08.77
 CSKK SZ ESS 2048 59.73
 CSKK SZ IS 2046 06.17

June 12 2011 Hour: 21:03:25.0 Lat: 13.50°N Lon: 41.68°E M: 5.6 Depth: 20 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP C 2110 51.24
 PSZ SZ EP D 2110 48.27
 SOP SZ EP D 2110 58.07
 CSKK SN EPP 2112 27.21
 CSKK SN IS 2116 47.63
 PSZ SN EPP 2112 28.50
 PSZ SN ES 2116 48.11
 SOP SN EPP 2112 31.92
 SOP SN ES 2116 54.31

June 13 2011 Hour: 02:20:50.0 Lat: 43.46°S Lon: 172.70°E M: 6.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0240 52.56
 PSZ SZ EP 0240 48.96
 SOP SZ EP 0240 51.05
 BUD XZ EP D 0240 50.10
 TRPA SZ EP 0240 46.12

June 13 2011 Hour: 06:50:32.0 Lat: 40.00°N Lon: 142.95°E M: 5.1 Depth: 20 km

STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 0702 35.04
 SOP SZ IP C 0702 44.00
 TRPA SZ IP C 0702 27.54

June 13 2011 Hour: 10:06:49.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1010 51.90
 PSZ SE ESg 1010 58.04
 PSZ SN ESg 1010 57.93
 PSZ SN Lg 1011 06.52

June 13 2011 Hour: 12:46:00.0 Lat: 19.22°S Lon: 177.47°W M: 5.4 Depth: 568 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 1304 38.76
 SOP SZ EP D 1304 45.26
 PSZ SZ EP 1304 41.77

June 13 2011 Hour: 14:31:23.0 Lat: 2.52°N Lon: 126.48°E M: 6.4 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XE	IS		1455	40.20
PSZ	XN	IS		1455	29.20
SOP	XE	IS		1455	39.10
TRPA	XN	IS		1456	03.58
PSZ	XZ	EP		1444	57.64
PSZ	XZ	IPP		1448	56.61
SOP	XZ	EP	C	1445	07.64
SOP	XZ	IPP		1448	18.33
TRPA	XZ	EP		1444	50.18
TRPA	XZ	IP		1447	59.20
BUD	XZ	EP	C	1445	00.86
BUD	XZ	IPP		1448	57.80
BEHE	XZ	EP	C	1445	09.00
BEHE	XZ	IPP		1449	03.78

June 13 2011 Hour: 20:31:52.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SN	EPg		2034	15.53
CSKK	SE	ESg		2034	15.89

June 14 2011 Hour: 00:08:34.0 Lat: 1.82°N Lon: 99.18°E M: 5.5 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP		0020	50.55
TRPA	SZ	EP	C	0020	42.26
TRPA	SE	ES		0030	39.03
PSZ	SE	ES		0030	58.42

June 14 2011 Hour: 03:01:28.0 Lat: 1.86°N Lon: 99.12°E M: 5.6 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0313	55.11
PSZ	SZ	EP	D	0313	43.14
TRPA	SZ	EP		0313	36.05
BEHE	SN	ES		0324	19.56
PSZ	SN	ES		0323	54.51
TRPA	SN	ES		0323	35.37

June 14 2011 Hour: 07:52:53.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg		0756	18.99
CSKK	SN	ESg		0756	20.11
CSKK	SE	ESg		0756	20.33

June 14 2011 Hour: 07:52:53.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg		0756	46.71
CSKK	SE	ESg		0756	47.84

June 14 2011 Hour: 07:52:53.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	C	0800	53.14
CSKK	SE	ESg		0800	54.73

June 14 2011 Hour: 07:52:53.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0801 02.84
 CSKK SN ESg 0801 04.20

June 14 2011 Hour: 12:48:54.0 Lat: 43.25°N Lon: 145.21°E M: 5.2 Depth: 70 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1300 40.17
 SOP SZ EP C 1300 49.82
 TRPA SZ EP C 1300 34.51

June 14 2011 Hour: 13:06:55.0 Lat: 37.77°N Lon: 143.49°E M: 5.8 Depth: 30 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1319 07.22
 SOP SZ EP C 1319 15.98
 SOP SZ EPP 1322 25.22
 TRPA SZ EP C 1318 59.93
 TRPA SZ EPP 1322 09.43

June 14 2011 Hour: 14:56:02.0 Lat: 39.53°N Lon: 142.42°E M: 5.3 Depth: 30 km

STAT CO PHASE P HRMM SECON
 SOP SZ IP C 1508 13.39
 TRPA SZ IP C 1507 56.80
 PSZ SZ IP C 1508 04.24
 PSZ SN ES 1518 03.34
 SOP SE ES 1518 17.69

June 14 2011 Hour: 15:50:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 1554 01.23
 CSKK SN ESg 1554 02.56
 CSKK SE ESg 1554 02.74

June 14 2011 Hour: 21:55:03.0 Lat: 34.75°N Lon: 29.05°E M: 4.2 Depth: 40 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 2158 35.15

June 14 2011 Hour: 23:14:25.0 Lat: 34.75°N Lon: 29.08°E M: 4.4 Depth: 45 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 2317 55.96
 PSZ SZ EP D 2317 57.34

June 15 2011 Hour: 01:05:28.0 Lat: 27.97°N Lon: 57.66°E M: 5.3 Depth: 28 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0112 34.89
 PSZ SZ EP C 0112 21.30
 SOP SZ EP C 0112 37.53
 TRPA SZ EP C 0112 07.71
 SOP SN ES 0118 11.70
 TRPA SN ES 0117 40.64
 PSZ SE ES 0117 47.18
 BEHE SN ES 0118 09.25

June 15 2011 Hour: 04:41:04.0 Lat: 26.85°N Lon: 144.11°E M: 5.5 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0454 03.67

June 15 2011 Hour: 12:15:48.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ IPg C 1218 34.88
 PSZ SN ESg 1218 38.24
 PSZ SE ESg 1218 38.06

June 15 2011 Hour: 18:53:44.0 Lat: 28.10°N Lon: 139.99°E M: 4.8 Depth: 431 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 1905 43.25

June 16 2011 Hour: 00:03:37.1 Lat: 5.97°N Lon: 151.18°E M: 6.5 Depth: 20 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0022 35.23
 BUD XZ EP 0022 30.17
 PSZ SZ EP 0022 28.56
 SOP SZ EP 0022 33.03
 TRPA SZ EP C 0022 25.77
 PSZ SE ES 0033 40.91
 SOP SE ES 0034 06.36
 TRPA SE ES 0033 25.94
 BUD XN ES 0033 22.94
 BEHE SN ES 0034 06.36

June 16 2011 Hour: 08:57:54.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0901 03.36
 CSKK SN ESg 0901 04.38

June 16 2011 Hour: 08:57:54.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0901 14.30
 CSKK SN ESg 0901 16.47

June 17 2011 Hour: 03:12:16.0 Lat: 5.96°S Lon: 151.15°E M: 5.2 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0331 05.35

June 17 2011 Hour: 05:31:06.0 Lat: 43.78°N Lon: 16.52°E M: 4.1 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 0531 50.20
 PSZ SZ EPn 0532 16.84
 SOP SZ EPn 0532 05.96
 TRPA SZ EPn 0532 36.63
 BUD XE Sn 0533 11.10
 BUD XZ EPn 0532 07.64
 PSZ SE Sn 0533 09.79
 SOP SE Sn 0532 49.93
 TRPA SN Sn 0533 39.74

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ	SN	Sn	0533	10.13
PSZ	SN	ESg	0533	35.36
SOP	SN	Sn	0532	50.10
SOP	SN	ESg	0533	15.93
BEHE	SN	Sn	0532	24.76
BEHE	SN	ESg	0532	40.37
BUD	XN	Sn	0532	57.64
BUD	XN	ESg	0533	17.85

June 17 2011 Hour: 09:16:12.0 Lat: 13.23°N Lon: 41.73°E M: 5.6 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0923	41.59
PSZ	SZ	EP	D	0923	39.36
SOP	SZ	EP	D	0923	49.09
BUD	XZ	EP	D	0923	39.64
BUD	XZ	ES		0929	43.02
SOP	SN	ES		0929	56.73
SOP	SN	IPP		0925	22.63
PSZ	SN	ES		0929	38.25
PSZ	SN	IPP		0925	08.63
BUD	XN	IPP		0925	10.75
BEHE	SN	ES		0929	45.41
BEHE	SN	IPP		0925	12.02

June 17 2011 Hour: 10:39:36.0 Lat: 48.56°N Lon: 156.21°E M: 5.4 Depth: 37 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1051	27.63
BUD	XZ	EP		1051	28.14
PSZ	SZ	EP	C	1051	24.83
SOP	SZ	EP	C	1051	31.69

June 17 2011 Hour: 15:01:03.3 Lat: 49.82°N Lon: 18.53°E M: Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		1501	41.14
PSZ	SN	Sn		1502	06.26

June 17 2011 Hour: 22:08:18.0 Lat: 23.97°S Lon: 69.49°E M: 5.4 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	D	2220	51.01
SOP	SZ	EP		2220	58.53
TRPA	SZ	EP	D	2220	45.64

June 17 2011 Hour: 23:04:57.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg		2308	04.46
CSKK	SE	ESg		2308	05.05
CSKK	SN	ESg		2308	04.94

June 18 2011 Hour: 03:44:51.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		0347	41.05
PSZ	SN	ISg		0347	47.30
PSZ	SN	ES		0347	47.40

PSZ SE ES 0347 47.30

June 18 2011 Hour: 10:49:11.0 Lat: 41.58°N Lon: 126.96°W M: 4.8 Depth: 10 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP D 1101 50.78

June 18 2011 Hour: 11:31:07.0 Lat: 37.69°N Lon: 141.72°E M: 5.9 Depth: 30 km

STAT CO PHASE P HRMM SECON

BUD XZ EP C 1143 27.44

PSZ SZ EP 1143 15.63

SOP SZ EP 1143 24.85

TRPA SZ EP 1143 08.09

PSZ SN ES 1153 18.55

SOP SN ES 1153 39.22

TRPA SN ES 1153 01.04

June 18 2011 Hour: 20:04:16.0 Lat: 19.32°S Lon: 175.81°W M: 5.3 Depth: 200 km

STAT CO PHASE P HRMM SECON

BEHE SZ EP 2023 44.38

BUD XZ EP D 2023 41.15

PSZ SZ EP D 2023 39.72

SOP SZ EP D 2023 42.81

TRPA SZ EP D 2023 36.18

June 19 2011 Hour: 04:15:58.0 Lat: 3.31°S Lon: 101.23°E M: 5.5 Depth: 48 km

STAT CO PHASE P HRMM SECON

BEHE SZ EP C 0428 47.11

PSZ SZ EP C 0428 37.06

SOP SZ EP C 0428 47.64

TRPA SZ EP C 0428 28.87

June 20 2011 Hour: 03:27:34.0 Lat: 15.23°S Lon: 173.66°W M: 4.8 Depth: 131 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP C 0346 57.78

SOP SZ EP C 0347 01.44

June 20 2011 Hour: 10:16:55.0 Lat: 25.10°N Lon: 98.74°E M: 5.3 Depth: 40 km

STAT CO PHASE P HRMM SECON

PSZ XZ EP C 1027 28.08

SOP XZ EP C 1027 42.66

June 20 2011 Hour: 16:36:01.0 Lat: 21.64°S Lon: 68.35°W M: 6.5 Depth: 128 km

STAT CO PHASE P HRMM SECON

BEHE SZ EP C 1653 52.51

BUD XZ EP C 1654 06.45

PSZ SZ EP C 1654 11.40

SOP SZ EP C 1653 55.21

TRPA SZ EP C 1654 24.44

June 20 2011 Hour: 18:13:23.0 Lat: 13.35°S Lon: 167.19°E M: 5.4 Depth: 230 km

STAT CO PHASE P HRMM SECON

BEHE SZ EP C 1832 22.72

PSZ SZ EP 1832 17.77

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ SZ ES C 1835 31.62
 SOP SZ EP 1832 21.52
 SOP SZ ES 1835 37.27
 TRPA SZ EP C 1832 14.93
 TRPA SZ ES 1835 27.40
 BUD XZ EP 1832 18.63
 BUD XZ ES 1835 33.98

June 20 2011 Hour: 19:37:07.0 Lat: 46.23°N Lon: 149.92°E M: 4.6 Depth: 164 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1948 38.93
 SOP SZ EP C 1948 47.46
 TRPA SZ EP C 1948 32.88

June 21 2011 Hour: 02:04:17.0 Lat: 11.46°S Lon: 165.59°E M: 6.0 Depth: 20 km

STAT CO PHASE P HRMM SECON
 SOP SE ES 0244 13.13
 SOP SZ EP D 0223 37.17
 TRPA SN ES 0243 23.98
 BEHE SN ES 0244 30.22
 BEHE SZ EP D 0223 38.38
 BEHE SZ IPP 0226 20.18
 BUD XZ EP C 0223 35.45
 BUD XZ ES 0243 53.90
 BUD XZ IPP 0226 06.23
 PSZ SZ EP D 0223 31.94
 PSZ SZ ES 0243 41.08
 PSZ SZ IPP 0226 03.06
 SOP SN IPP 0226 08.76
 TRPA SZ EP C 0223 31.31
 TRPA SZ IPP D 0225 49.10

June 21 2011 Hour: 07:48:49.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 0751 58.13
 PSZ SE ISg 0752 04.56
 PSZ SN ISg 0752 05.01

June 21 2011 Hour: 08:32:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0835 27.11
 CSKK SN ESg 0835 28.90
 CSKK SE ESg 0835 28.74

June 21 2011 Hour: 08:32:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0839 25.58
 CSKK SN ESg 0839 27.59

June 21 2011 Hour: 08:32:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0840 13.33
 CSKK SE ESg 0840 14.50

June 21 2011 Hour: 08:49:42.0 Lat: 35.67°N Lon: 141.29°E M: 5.3 Depth: 30 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0901 58.90
 SOP SZ EP D 0902 07.91

June 21 2011 Hour: 21:19:51.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 SOP SZ EPg 2122 24.59
 SOP SN ESg 2122 27.89
 SOP SE ESg 2122 27.95

June 21 2011 Hour: 21:16:00.0 Lat: 36.32°N Lon: 141.64°E M: 5.1 Depth: 25 km
 STAT CO PHASE P HRMM SECON
 SOP SE ESg 2122 27.95
 SOP SZ EP C 2128 24.47
 PSZ SZ EP C 2128 15.52
 TRPA SZ IP C 2128 08.32

June 22 2011 Hour: 04:16:00.0 Lat: 40.52°N Lon: 21.60°E M: 3.8 Depth: 6 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EPn 0417 45.66
 PSZ SZ EPn C 0417 49.20
 PSZ SN Sn 0419 10.29
 BUD XN Sn 0419 07.89

June 22 2011 Hour: 11:39:51.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 1143 51.17
 CSKK SN ESg 1143 53.73
 CSKK SE ESg 1143 53.44

June 22 2011 Hour: 14:28:59.0 Lat: 40.08°N Lon: 142.79°E M: 5.5 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 1440 58.13
 SOP SE ES 1451 10.97
 TRPA SN ES 1450 49.74
 PSZ SN ES 1451 09.46
 TRPA SZ IP C 1440 50.94
 TRPA SZ EPP 1443 44.75
 SOP SZ IP C 1441 07.05
 SOP SZ EPP 1444 11.77

June 22 2011 Hour: 21:50:47.0 Lat: 39.93°N Lon: 142.27°E M: 6.7 Depth: 3 km
 STAT CO PHASE P HRMM SECON
 BUD XE ES 2212 49.55
 PSZ SN ES 2212 38.88
 SOP SN ES 2213 00.21
 BEHE SE ES 2213 02.35
 PSZ SE ISS 2217 48.28
 SOP SE ISS 2218 09.62
 TRPA SN ES 2212 26.07
 TRPA SN ISS 2217 33.34

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BUD	XN	ISS	2217	41.88
BEHE	SZ	IP	C 2203	04.83
BEHE	SZ	EP	2206	08.39
BUD	XZ	IP	C 2202	55.48
BUD	XZ	EPP	2205	55.58
PSZ	SZ	IP	C 2202	51.93
PSZ	SZ	EPP	2205	44.92
SOP	SZ	IP	C 2203	00.50
SOP	SZ	EPP	2205	57.72
TRPA	SZ	IP	C 2202	44.25
TRPA	SZ	EPP	2205	29.98

June 22 2011 Hour: 22:16:56.0 Lat: 21.67°S Lon: 179.18°W M: 5.2 Depth: 564 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPP	2240	06.11	
TRPA	SZ	EPP	2239	26.97	
BEHE	SN	EPP	2241	12.01	

June 22 2011 Hour: 23:19:51.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	2322	43.80	
CSKK	SN	ESg	2322	45.40	
CSKK	SE	ESg	2322	45.33	

June 23 2011 Hour: 04:33:52.0 Lat: 15.01°S Lon: 173.63°W M: 5.0 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C 0453	23.95	
SOP	SZ	EP	0453	27.44	

June 23 2011 Hour: 07:34:43.0 Lat: 38.58°N Lon: 39.60°E M: 5.2 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D 0739	03.47	
BUD	XZ	EP	0738	50.02	
PSZ	SZ	EP	D 0738	45.80	
SOP	SZ	EP	0739	09.09	
TRPA	SZ	EP	0738	26.03	
PSZ	SE	ES	0742	09.56	
SOP	SE	ES	0742	48.20	
BEHE	SN	ES	0742	31.56	

June 23 2011 Hour: 10:04:50.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg	1008	18.26	
PSZ	SN	ESg	1008	21.82	
PSZ	SE	ESg	1008	21.48	

June 23 2011 Hour: 10:35:02.0 Lat: 38.52°N Lon: 141.43°E M: 5.2 Depth: 56 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	C 1046	55.98	
SOP	SZ	EP	C 1047	12.73	
PSZ	SZ	EP	C 1047	03.70	
BUD	XZ	EP	1047	07.24	
BEHE	SZ	EP	C 1047	16.34	

June 24 2011 Hour: 03:09:40.0 Lat: 52.11°N Lon: 171.83°W M: 7.3 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	IP	C	0321	43.90
PSZ	SZ	ES		0331	54.44
SOP	SZ	IP	C	0321	45.32
SOP	SZ	ES		0331	45.88
TRPA	SZ	IP	C	0321	40.43
TRPA	SZ	ES		0331	39.46
BUD	XZ	IP	C	0321	45.80
BUD	XZ	ES		0331	43.74
BEHE	SZ	IP	C	0321	51.99
BEHE	SZ	ES		0332	22.27

June 24 2011 Hour: 13:08:39.0 Lat: 47.46°N Lon: 25.86°E M: 4.4 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		1309	41.17
SOP	SZ	EPn		1310	14.36
TRPA	SZ	EPn		1309	17.95
BUD	XZ	EPg		1310	07.32
BUD	XN	Sn		1310	45.66
BUD	XN	ESg		1311	10.61
TRPA	SN	Sn		1309	46.47
TRPA	SN	ESg		1309	55.11
PSZ	SN	Sn		1310	31.53
PSZ	SN	ESg		1310	52.93
SOP	SN	Sn		1311	24.75
SOP	SN	ESg		1312	07.95

June 24 2011 Hour: 17:43:49.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EPn		1746	23.48
PSZ	SZ	EPn		1747	07.45
TRPA	SN	Sn		1747	37.90
SOP	SN	Sn		1748	34.34
PSZ	SN	Sn		1748	16.07
SOP	SZ	EPn		1747	05.82

June 24 2011 Hour: 17:39:27.0 Lat: 42.10°N Lon: 142.49°E M: 5.6 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	1751	18.98
PSZ	SZ	IP	C	1751	14.96
SOP	SZ	IP	C	1751	24.35
TRPA	SZ	IP	C	1751	07.47
SOP	SE	ES		1801	18.40
TRPA	SN	ES		1801	06.43
PSZ	SN	ES		1800	58.99
BUD	XN	ES		1801	15.49

June 25 2011 Hour: 20:05:51.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	D	2008	28.26
CSKK	SN	ESg		2008	30.46

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

CSKK SE ESg 2008 30.58

June 25 2011 Hour: 21:16:55.0 Lat: 24.45°S Lon: 179.42°E M: 5.7 Depth: 526 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP D 2135 48.78

SOP SZ EP C 2135 53.43

TRPA SZ EP D 2135 45.58

June 26 2011 Hour: 07:48:16.0 Lat: 32.46°N Lon: 95.93°E M: 5.3 Depth: 25 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP 0758 05.50

SOP SZ IP D 0758 21.20

June 27 2011 Hour: 00:30:28.0 Lat: 17.11°S Lon: 173.67°W M: 5.5 Depth: 25 km

STAT CO PHASE P HRMM SECON

BUD XZ IP 0050 11.29

PSZ SZ IP C 0050 09.61

SOP SZ IP C 0050 12.76

TRPA SZ IP C 0050 06.55

BEHE SZ IP C 0050 13.76

June 27 2011 Hour: 11:28:47.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

PSZ SN Sn 1132 29.21

June 27 2011 Hour: 12:12:07.0 Lat: 39.41°N Lon: 143.42°E M: 5.0 Depth: 30 km

STAT CO PHASE P HRMM SECON

PSZ SZ IP C 1224 12.35

June 27 2011 Hour: 23:27:33.0 Lat: 52.06°N Lon: 171.79°W M: 5.8 Depth: 30 km

STAT CO PHASE P HRMM SECON

TRPA SZ IP C 2339 36.61

TRPA SZ ES 2350 25.43

SOP SZ IP C 2339 42.22

SOP SZ ES 2350 27.42

PSZ SZ IP C 2339 38.01

PSZ SZ ES 2350 36.07

BUD XZ IP C 2339 42.50

BUD XZ ES 2350 53.53

BEHE SZ IP C 2339 47.56

BEHE SZ ES 2350 57.66

June 28 2011 Hour: 06:48:34.0 Lat: 52.13°N Lon: 171.73°W M: 5.9 Depth: 44 km

STAT CO PHASE P HRMM SECON

PSZ SZ IP C 0700 37.56

SOP SZ IP C 0700 40.16

PSZ SN ES 0710 44.73

PSZ SN ISS 0715 50.00

SOP SN ES 0710 44.19

SOP SN ISS 0716 26.29

June 28 2011 Hour: 23:15:49.0 Lat: 51.57°N Lon: 16.10°E M: 3.8 Depth: 1 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		2317	06.44
PSZ	SZ	EPn	C	2316	57.09
PSZ	SN	Sn		2317	48.97
BEHE	SN	Sn		2318	06.47
SOP	SZ	EPn		2316	49.92
SOP	SZ	EPg		2317	02.22
SOP	SN	Sn		2317	37.76

June 29 2011 Hour: 13:12:20.0 Lat: 49.83°N Lon: 18.41°E M: 2.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		1312	56.94
PSZ	SZ	EPg		1313	00.52
PSZ	SN	Sn		1313	24.94
PSZ	SN	ESg		1313	30.85

June 30 2011 Hour: 09:20:48.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg	D	0923	52.16
PSZ	SN	ESg		0923	55.31

June 30 2011 Hour: 09:09:17.0 Lat: 23.24°S Lon: 175.91°W M: 5.5 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	0929	02.75

June 30 2011 Hour: 13:37:27.0 Lat: 7.16°S Lon: 68.02°E M: 5.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	IP	C	1348	34.17

July 02 2011 Hour: 04:05:48.0 Lat: 41.02°N Lon: 19.98°E M: 3.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		0407	15.13
CSKK	SZ	EPn		0407	27.69
PSZ	SZ	EPn		0407	28.12
PSZ	SN	Sn		0408	45.49
CSKK	SN	Sn		0408	42.02
BEHE	SN	Sn		0408	38.42

July 02 2011 Hour: 17:58:39.0 Lat: 6.21°S Lon: 146.71°E M: 4.9 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1817	33.67
PSZ	SZ	EP		1817	46.57

July 02 2011 Hour: 21:30:46.0 Lat: 36.49°N Lon: 26.69°E M: 4.8 Depth: 120 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		2133	38.27
BEHE	SZ	IP		2133	44.36
CSKK	SZ	EP		2133	37.24
CSKK	SZ	IP		2133	44.04
PSZ	SZ	EP		2133	36.45
PSZ	SZ	IP		2133	43.73
TRPA	SZ	EP		2133	34.11

July 02 2011 Hour: 21:52:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 2156 03.68
 CSKK SN ISg 2156 04.05

July 03 2011 Hour: 13:47:51.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 1351 06.12
 CSKK SE ISg 1351 06.47

July 03 2011 Hour: 16:05:58.0 Lat: 45.99°N Lon: 149.55°E M: 5.2 Depth: 155 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP C 1617 38.77
 PSZ SZ EP 1617 32.03
 TRPA SZ EP C 1617 25.45

July 03 2011 Hour: 19:23:11.0 Lat: 44.11°N Lon: 20.27°E M: 3.2 Depth: 3 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn C 1924 03.86
 PSZ SN Sn 1924 50.54
 CSKK SN Sn 1924 46.92
 BEHE SN Sn 1924 45.61
 PSZ SZ EPn C 1924 09.25
 CSKK SZ EPn D 1924 05.82

July 03 2011 Hour: 19:23:11.0 Lat: 44.11°N Lon: 20.27°E M: 3.2 Depth: 3 km

STAT CO PHASE P HRMM SECON
 BUD XZ EPn D 1924 04.54
 BUD XE Sn 1924 37.37

July 04 2011 Hour: 19:00:58.0 Lat: 1.44°N Lon: 97.17°E M: 5.2 Depth: 40 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP 1912 13.07

July 04 2011 Hour: 21:01:29.0 Lat: 55.44°N Lon: 158.15°W M: 5.2 Depth: 20 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2113 21.20
 PSZ SZ IP 2113 32.10
 TRPA SZ EP C 2113 20.04
 TRPA SZ IP 2113 31.72
 CSKK SZ EP 2113 24.19
 CSKK SZ IP 2113 36.45
 BEHE SZ EP 2113 28.73
 BEHE SZ IP D 2113 41.08

July 05 2011 Hour: 03:36:25.0 Lat: 38.59°S Lon: 175.75°E M: 5.4 Depth: 160 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0357 26.47
 TRPA SZ EP C 0357 18.82

July 05 2011 Hour: 10:18:45.0 Lat: 34.03°N Lon: 135.15°E M: 5. Depth: 20 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP C 1031 02.91

July 05 2011 Hour: 11:13:52.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1117 02.97
 PSZ SN ISg 1117 05.58

July 05 2011 Hour: 17:09:55.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 1712 58.05
 CSKK SN ISg 1712 59.50

July 05 2011 Hour: 17:16:50.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP 1721 35.78
 CSKK SZ EP 1721 35.91

July 05 2011 Hour: 19:02:38.0 Lat: 14.61°S Lon: 176.11°W M: 5.5 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP 1922 21.16
 PSZ SZ EP 1922 13.28
 TRPA SZ EP 1922 09.35

July 05 2011 Hour: 19:02:38.0 Lat: 14.61°S Lon: 176.11°W M: 5.5 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP 1922 20.71

July 06 2011 Hour: 03:08:24.0 Lat: 44.88°N Lon: 15.26°E M: 2.7 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BEHE SN Sn 0309 24.26
 PSZ SN Sn 0310 23.26
 BEHE SZ EPn 0308 57.71
 BEHE SZ EPg 0309 00.71

July 06 2011 Hour: 13:44:02.0 Lat: 16.45°S Lon: 177.52°W M: 4.9 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1403 44.23
 TRPA SN EP 1403 46.70

July 07 2011 Hour: 06:13:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 0614 39.31
 CSKK XN ESg 0614 40.83

July 07 2011 Hour: 06:13:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 0614 50.52
 CSKK XN ESg 0614 52.43
 CSKK XE ESg 0614 52.45

July 07 2011 Hour: 06:28:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg C 0632 21.40
 PSZ SN ESg 0632 22.27

July 07 2011 Hour: 12:01:04.0 Lat: 28.26°N Lon: 52.01°E M: 3.6 Depth: 11 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 1206 12.92
 TRPA SN EP 1206 23.02

July 07 2011 Hour: 18:35:42.0 Lat: 37.17°N Lon: 140.89°E M: 5.6 Depth: 50 km

STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 1847 48.82
 TRPA SZ IP C 1847 41.36
 BEHE SZ IP C 1848 01.42
 TRPA SN IS 1857 35.31
 PSZ SN IS 1857 50.04
 BEHE SN IS 1858 25.61

July 07 2011 Hour: 18:35:42.0 Lat: 37.17°N Lon: 140.89°E M: 5.6 Depth: 50 km

STAT CO PHASE P HRMM SECON
 BUD XZ IP C 1847 52.32

July 07 2011 Hour: 19:21:48.0 Lat: 42.06°N Lon: 7.60°E M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EPn C 1924 19.66
 TRPA SZ EPn 1924 41.35

July 07 2011 Hour: 19:21:48.0 Lat: 42.06°N Lon: 7.60°E M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 1927 16.17

July 08 2011 Hour: 03:40:25.0 Lat: 29.19°S Lon: 176.86°W M: 5.4 Depth: 30 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0400 49.45
 TRPA SZ EP C 0400 42.85

July 08 2011 Hour: 05:22:41.0 Lat: 0.16°N Lon: 123.39°E M: Depth: 159 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0536 01.43
 TRPA SZ EP C 0535 53.05

July 08 2011 Hour: 05:53:03.0 Lat: 0.91°N Lon: 26.40°W M: 5.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 0603 12.23
 PSZ SZ EP C 0603 20.96
 PSZ SZ IS 0611 46.21

July 08 2011 Hour: 05:53:03.0 Lat: 0.91°N Lon: 26.40°W M: 5.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 0603 13.08

July 08 2011 Hour: 13:10:49.0 Lat: 39.95°N Lon: 142.00°E M: 5.1 Depth: 51 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 1322 46.05
 TRPA SZ IP C 1322 38.54

July 08 2011 Hour: 23:31:24.0 Lat: 17.46°S Lon: 179.02°W M: 5.2 Depth: 528 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2350 05.03
 CSKK SZ EP D 2350 07.67
 BEHE SZ EP 2350 13.74

July 08 2011 Hour: 23:31:24.0 Lat: 17.46°S Lon: 179.02°W M: 5.2 Depth: 528 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP C 2350 06.57

July 09 2011 Hour: 00:11:56.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0015 25.54
 CSKK SN ESg 0015 27.03
 CSKK SE ESg 0015 26.98

July 09 2011 Hour: 00:11:56.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SN ESg 0015 53.09
 CSKK SE ESg 0015 53.38
 CSKK SZ EPg 0015 51.61

July 09 2011 Hour: 04:13:48.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPn 0416 11.02
 CSKK SN Sn 0416 53.84
 CSKK SE Sn 0416 55.16
 PSZ SN Sn 0416 37.54
 PSZ SZ EPn 0416 02.41

July 09 2011 Hour: 09:07:52.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0910 37.28
 CSKK SE ESg 0910 37.55
 CSKK SN ESg 0910 37.58

July 09 2011 Hour: 13:54:24.0 Lat: 29.08°S Lon: 177.07°W M: 5.7 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ IP 1414 50.00
 PSZ SZ EP 1414 13.06
 PSZ SZ IP 1414 45.91
 TRPA SZ EP 1414 10.62
 TRPA SZ IP 1414 39.48
 BEHE SZ EP C 1413 57.23
 BEHE SZ IP 1414 55.55

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

July 09 2011 Hour: 13:54:24.0 Lat: 29.08°S Lon: 177.07°W M: 5.7 Depth: 40 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 1414 09.27

July 09 2011 Hour: 15:02:27.0 Lat: 29.14°S Lon: 176.98°W M: 5.8 Depth: 10 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 1522 58.00
 PSZ SZ EP 1522 54.12
 TRPA SZ EP 1522 48.09

July 09 2011 Hour: 18:18:38.0 Lat: 29.59°S Lon: 176.64°W M: 5.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 1839 06.59
 TRPA SZ EP 1838 58.35

July 09 2011 Hour: 23:43:17.0 Lat: 43.41°N Lon: 19.10°E M: 3.8 Depth: 5 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 2344 11.44
 CSKK SZ EPn 2344 18.17
 PSZ SZ EPn 2344 25.59
 TRPA SN Sn 2345 34.83
 CSKK SN Sn 2345 05.18
 BEHE SN Sn 2344 51.23
 TRPA SZ EPn 2344 27.24
 PSZ SN Sn 2345 15.86

July 09 2011 Hour: 23:43:17.0 Lat: 43.41°N Lon: 19.10°E M: 3.8 Depth: 5 km

STAT CO PHASE P HRMM SECON
 BUD XZ EPn 2344 15.61
 BUD XN Sn 2345 05.65

July 10 2011 Hour: 00:57:13.0 Lat: 38.05°N Lon: 143.29°E M: 7.1 Depth: 40 km

STAT CO PHASE P HRMM SECON
 BEHE SN IS 0119 55.22
 PSZ SN IS 0119 27.63
 TRPA SN IS 0119 15.36
 BEHE SZ EP 0109 34.29
 BEHE SZ IP 0112 50.13
 PSZ SZ EP 0109 22.69
 PSZ SZ IP 0112 33.67
 TRPA SZ EP 0109 16.19
 TRPA SZ IP 0112 16.18
 CSKK SZ EP 0109 28.49
 CSKK SZ IP 0112 42.41
 CSKK SN IS 0119 41.68

July 10 2011 Hour: 01:14:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0117 11.27
 CSKK SN ESg 0117 12.83
 CSKK SE ESg 0117 12.62

July 10 2011 Hour: 18:47:16.0 Lat: 15.38°S Lon: 175.93°W M: 5.7 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 1906 54.55
 TRPA SZ EP 1906 49.46

July 10 2011 Hour: 21:50:51.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SN ESg 2153 51.36
 CSKK SE ESg 2153 51.45
 CSKK SZ EPg 2153 49.20

July 11 2011 Hour: 04:29:28.0 Lat: 39.44°N Lon: 141.86°E M: 5.2 Depth: 48 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0441 27.87
 TRPA SZ EP C 0441 20.50

July 11 2011 Hour: 06:31:55.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0635 14.20
 CSKK SN ESg 0635 16.38
 CSKK SE ESg 0635 16.43

July 11 2011 Hour: 06:37:22.0 Lat: 29.34°S Lon: 176.98°W M: 5.3 Depth: 30 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 0657 14.80
 PSZ SZ IP D 0657 46.46

July 11 2011 Hour: 07:07:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SN ESg 0711 15.11

July 11 2011 Hour: 09:56:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0959 17.39
 CSKK SN ESg 0959 19.53
 CSKK SE ESg 0959 19.48

July 11 2011 Hour: 16:37:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 1640 03.50
 CSKK SN ISg 1640 05.62
 CSKK SE ISg 1640 05.74

July 11 2011 Hour: 17:45:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 1748 41.79
 CSKK SE ESg 1748 44.04
 CSKK SN ESg 1748 44.13

July 11 2011 Hour: 20:47:04.0 Lat: 9.60°N Lon: 122.26°E M: 6.4 Depth: 20 km

STAT CO PHASE P HRMM SECON
 BEHE SN IS 2111 26.74
 PSZ SE IS 2110 37.63

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ SN IS 2110 47.74
 PSZ SN ES 2117 21.22
 BEHE SZ EP 2104 08.84
 BEHE SZ IS 2111 25.30
 PSZ SZ EP 2103 42.62

July 11 2011 Hour: 20:47:04.0 Lat: 9.60°N Lon: 122.26°E M: 6.4 Depth: 20 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 2100 13.75
 BUD XZ IP 2103 45.04
 BUD XN IS 2110 41.66
 BUD XN ES 2117 32.29

July 12 2011 Hour: 00:09:51.0 Lat: 45.82°N Lon: 150.76°E M: 5.2 Depth: 50 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0021 53.56
 PSZ SZ EP C 0021 40.65

July 12 2011 Hour: 00:09:51.0 Lat: 45.82°N Lon: 150.76°E M: 5.2 Depth: 50 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 0021 44.88

July 12 2011 Hour: 04:13:56.0 Lat: 18.36°S Lon: 177.91°W M: 4.8 Depth: 525 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP D 0432 46.18
 PSZ SZ EP D 0432 40.46

July 12 2011 Hour: 04:13:56.0 Lat: 18.36°S Lon: 177.91°W M: 4.8 Depth: 525 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 0432 42.56

July 12 2011 Hour: 10:09:44.0 Lat: 15.57°S Lon: 173.21°W M: 5.1 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1029 25.33

July 12 2011 Hour: 10:47:17.0 Lat: 43.73°N Lon: 20.71°E M: 2.8 Depth: 6 km

STAT CO PHASE P HRMM SECON
 PSZ SN Sn 1049 07.47
 PSZ SZ EPn 1048 21.65

July 12 2011 Hour: 11:15:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1118 10.17
 PSZ SN ESg 1118 13.26

July 12 2011 Hour: 13:17:25.0 Lat: 49.95°N Lon: 18.50°E M: 3.5 Depth: 5 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EPn 1318 06.25

July 12 2011 Hour: 15:44:47.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1549 02.29
 PSZ SE ESg 1549 08.17

PSZ SN ESg 1549 07.22

July 12 2011 Hour: 19:20:58.0 Lat: 43.97°N Lon: 11.58°E M: 4.1 Depth: 2 km

STAT CO PHASE P HRMM SECON

BEHE SZ EPn 1922 12.09

PSZ SN Sn 1923 51.93

BEHE SN Sn 1922 58.58

PSZ SZ EPn 1922 39.75

July 13 2011 Hour: 07:19:41.0 Lat: 25.08°N Lon: 123.68°E M: 5.2 Depth: 125 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP D 0731 39.26

PSZ SZ IP 0732 11.83

PSZ SN IS 0745 11.35

TRPA SZ EP D 0731 30.24

TRPA SZ IP 0732 02.48

TRPA SZ IS 0745 04.77

July 14 2011 Hour: 04:17:56.0 Lat: 49.91°N Lon: 18.47°E M: 3.5 Depth: 5 km

STAT CO PHASE P HRMM SECON

BUD XZ EPn 0418 43.24

BUD XE Sn 0419 07.25

July 14 2011 Hour: 21:46:12.0 Lat: 43.26°N Lon: 20.83°E M: 4.1 Depth: 2 km

STAT CO PHASE P HRMM SECON

BEHE SZ EPn C 2147 17.85

PSZ SZ EPn 2147 22.45

TRPA SZ EPn 2147 27.33

BEHE SN Sn 2148 08.72

PSZ SN Sn 2148 16.62

TRPA SN Sn 2148 21.22

July 14 2011 Hour: 21:46:12.0 Lat: 43.26°N Lon: 20.83°E M: 4.1 Depth: 2 km

STAT CO PHASE P HRMM SECON

BUD XZ EPn C 2147 19.22

BUD XE Sn 2148 10.80

July 15 2011 Hour: 00:55:48.0 Lat: 24.10°S Lon: 175.27°W M: 5.5 Depth: 45 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP C 0115 54.04

SOP SZ EP C 0115 59.98

July 15 2011 Hour: 12:01:09.0 Lat: 36.22°N Lon: 139.86°E M: 5.4 Depth: 60 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP C 1213 16.25

SOP SZ EP C 1213 25.28

July 15 2011 Hour: 18:00:24.0 Lat: 27.15°N Lon: 140.02°E M: 5.2 Depth: 476 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP D 1812 23.16

SOP SZ EP D 1812 31.76

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

July 16 2011 Hour: 07:03:33.0 Lat: 22.35°S Lon: 175.03°W M: 5.7 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0723 21.53
 SOP SZ EP 0723 22.67
 SOP SZ IP 0727 12.17
 SOP SE IS 0746 47.36
 PSZ SE IS 0746 33.25

July 16 2011 Hour: 16:04:43.0 Lat: 43.24°N Lon: 21.60°E M: 3.2 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BEHE SN Sn 1606 51.39
 PSZ SN Sn 1606 50.72
 BEHE SZ EPn 1605 55.41
 PSZ SZ EPn 1605 56.11

July 16 2011 Hour: 16:09:16.0 Lat: 43.22°N Lon: 21.59°E M: 4.3 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EPn C 1610 27.95
 PSZ SZ EPn 1610 28.73
 SOP SZ EPn 1610 40.85
 BEHE SN Sn 1611 25.15
 PSZ SN Sn 1611 20.46
 SOP SN Sn 1611 45.00

July 16 2011 Hour: 16:09:16.0 Lat: 43.22°N Lon: 21.59°E M: 4.3 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EPn C 1610 25.94
 BUD XN Sn 1611 18.91
 BUD XE Sn 1611 18.59

July 16 2011 Hour: 18:09:41.0 Lat: 18.86°S Lon: 169.37°E M: 5.6 Depth: 250 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 1828 46.99
 CSKK SZ EP 1828 43.27
 SOP SZ EP C 1828 44.94
 PSZ SZ EP 1829 45.08

July 16 2011 Hour: 18:38:52.0 Lat: 52.89°N Lon: 108.53°E M: 5.4 Depth: 18 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP 1848 09.87
 PSZ SZ IS 1855 45.89
 PSZ SZ ES 1859 55.87
 SOP SZ EP 1848 23.49
 SOP SZ IS 1856 11.64
 SOP SZ ES 1900 03.62
 BEHE SZ EP C 1848 36.39
 BEHE SZ ES 1900 46.82

July 16 2011 Hour: 18:38:52.0 Lat: 52.89°N Lon: 108.53°E M: 5.4 Depth: 18 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP D 1848 15.37
 BUD XN IS 1851 44.69

July 16 2011 Hour: 19:59:13.0 Lat: 54.91°N Lon: 161.29°W M: 6.2 Depth: 37 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	2011	13.33
BEHE	SZ	IP		2011	29.68
CSKK	SZ	EP	C	2011	09.21
CSKK	SZ	IP		2011	22.92
BEHE	SN	IS		2021	10.99
PSZ	SN	IS		2020	55.60
CSKK	SN	IS		2021	15.73
SOP	SN	IS		2020	48.49
PSZ	SZ	EP	C	2011	06.11
PSZ	SZ	IP		2011	21.60
PSZ	SZ	ES		2025	59.91
SOP	SZ	EP		2011	07.42
SOP	SZ	IP		2011	22.45
SOP	SZ	ES		2026	03.46

July 16 2011 Hour: 19:59:13.0 Lat: 54.91°N Lon: 161.29°W M: 6.2 Depth: 37 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	2011	08.30

July 17 2011 Hour: 18:30:28.0 Lat: 45.03°N Lon: 11.30°E M: 4.8 Depth: 8 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		1832	06.29
SOP	SZ	EPn		1831	36.89
CSKK	SN	Sn		1832	49.60
CSKK	SZ	EPn		1831	35.17
SOP	SN	Sn		1832	27.15
PSZ	SN	Sn		1833	18.07
BEHE	SZ	EPn		1831	34.41
BEHE	SZ	EPg		1831	46.48
BEHE	SN	Sn		1832	20.17
BEHE	SN	ESg		1832	47.51

July 18 2011 Hour: 18:15:25.0 Lat: 52.84°N Lon: 152.95°E M: 5.2 Depth: 499 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D	1826	11.20
CSKK	SZ	EP	D	1826	04.51
PSZ	SZ	EP	D	1825	58.72
SOP	SZ	EP	D	1826	06.07
TRPA	SZ	EP	D	1825	52.43
TRPA	SN	IS		1834	26.27
PSZ	SN	IS		1834	40.95
SOP	SE	IS		1834	29.46

July 18 2011 Hour: 18:15:25.0 Lat: 52.84°N Lon: 152.95°E M: 5.2 Depth: 499 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	D	1826	02.45

July 18 2011 Hour: 22:38:41.0 Lat: 51.31°N Lon: 179.04°E M: 5.6 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		2250	35.24
PSZ	SZ	EP	C	2250	45.21

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

TRPA SZ EP C 2250 41.25
 PSZ SN IS 2301 49.52
 PSZ SN ES 2306 10.27
 TRPA SN IS 2301 14.25
 TRPA SN ES 2306 00.19

July 18 2011 Hour: 22:38:41.0 Lat: 51.31°N Lon: 179.04°E M: 5.6 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP C 2250 47.64

July 18 2011 Hour: 22:48:26.0 Lat: 51.40°N Lon: 179.02°E M: 5.2 Depth: 60 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2300 27.02
 SOP SZ EP C 2300 31.23
 TRPA SZ EP C 2300 23.93

July 19 2011 Hour: 01:38:49.0 Lat: 37.44°N Lon: 141.59°E M: 5.3 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0151 01.26
 TRPA SZ EP 0150 53.05
 SOP SZ EP 0151 13.32

July 19 2011 Hour: 05:56:47.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 0559 22.47
 PSZ SE ESg 0559 23.32
 PSZ SN Lg 0559 25.39

July 19 2011 Hour: 07:13:17.0 Lat: 37.42°N Lon: 20.22°E M: 5.0 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 0715 26.83
 PSZ SZ EPn D 0715 47.67
 SOP SZ EPn 0715 49.86
 BEHE SN Sn 0717 13.92
 PSZ SN Sn 0717 27.76
 SOP SN Sn 0717 40.31

July 19 2011 Hour: 07:13:17.0 Lat: 37.42°N Lon: 20.22°E M: 5.0 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EPn 0715 43.29

July 19 2011 Hour: 07:15:54.0 Lat: 23.66°S Lon: 179.11°E M: 5.2 Depth: 547 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0734 43.59
 PSZ SZ EP D 0734 44.14
 PSZ SZ IS 0736 48.09
 SOP SZ EP D 0734 47.87
 SOP SZ ES 0736 49.62

July 19 2011 Hour: 19:35:42.0 Lat: 40.12°N Lon: 71.46°E M: 6.1 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 1943 13.95
 SOP SZ EP C 1943 13.57

PSZ	SZ	EP	1942	54.97
PSZ	SZ	IS	1944	19.99
PSZ	SE	IS	1944	20.49
SOP	SE	IS	1944	41.84
BEHE	SN	ES	1949	15.96
PSZ	SN	ES	1948	39.91
PSZ	SN	IP	1951	14.23
SOP	SN	ES	1949	13.61
SOP	SN	IP	1951	46.40
BEHE	SE	IS	1944	49.78
BEHE	SE	IP	1952	02.48

July 19 2011 Hour: 19:35:42.0 Lat: 40.12°N Lon: 71.46°E M: 6.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		1943	00.43
BUD	XZ	IP		1943	09.67
BUD	XN	IS		1948	51.58

July 20 2011 Hour: 22:05:01.0 Lat: 10.30°S Lon: 162.09°E M: 6.0 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		2224	11.32
PSZ	SZ	EP	D	2224	10.46
PSZ	SZ	IP		2226	21.83
SOP	SZ	EP		2224	13.92
SOP	SZ	IP		2226	31.01
PSZ	SN	IS		2227	32.41
SOP	SN	IS		2227	39.30
BEHE	SE	IS		2227	42.74

July 20 2011 Hour: 22:05:01.0 Lat: 10.30°S Lon: 162.09°E M: 6.0 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	D	2224	11.46
BUD	XE	IP		2226	33.28
BUD	XE	IS		2227	38.73

July 21 2011 Hour: 09:52:46.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		0955	41.17
PSZ	SN	ESg		0955	46.53

July 22 2011 Hour: 01:54:52.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	C	0158	55.20
CSKK	SE	ESg		0158	56.68
CSKK	SN	ESg		0158	56.81

July 22 2011 Hour: 06:56:40.0 Lat: 20.27°S Lon: 178.54°W M: 6.0 Depth: 602 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0715	16.92
CSKK	SZ	IP		0715	22.93
PSZ	SZ	EP		0715	15.09
PSZ	SZ	IP	D	0715	20.30
TRPA	SZ	EP		0715	12.89

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

TRPA SZ IP D 0715 17.16
 BEHE SZ EP 0715 18.01
 BEHE SZ IP D 0715 25.56
 BEHE SZ IS 0717 56.03
 PSZ SN IS 0717 42.97
 PSZ SN ES 0718 47.35

July 22 2011 Hour: 06:56:40.0 Lat: 20.27°S Lon: 178.54°W M: 6.0 Depth: 602 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP 0715 15.52
 BUD XZ IP 0715 21.70

July 23 2011 Hour: 03:03:46.0 Lat: 43.01°N Lon: 17.87°E M: 2.9 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EPn C 0304 43.35
 CSKK SZ EPn 0304 54.43
 PSZ SZ EPn 0305 03.54
 BEHE SE Sn 0305 11.92
 PSZ SN Sn 0305 59.97
 BEHE SN Sn 0305 18.57

July 23 2011 Hour: 04:34:24.0 Lat: 38.93°N Lon: 141.83°E M: 6.4 Depth: 42 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP C 0446 32.33
 PSZ SZ EP C 0446 26.39
 PSZ SZ IP 0449 29.29
 TRPA SZ EP C 0446 19.02
 TRPA SZ IP 0449 10.47
 BEHE SZ EP C 0446 39.18
 BEHE SZ IP 0449 33.57
 PSZ SN IS 0456 21.11
 TRPA SN IS 0456 06.70
 BEHE SN IS 0456 45.73
 CSKK SE IS 0456 54.09

July 23 2011 Hour: 04:34:24.0 Lat: 38.93°N Lon: 141.83°E M: 6.4 Depth: 42 km
 STAT CO PHASE P HRMM SECON
 BUD XZ IP C 0446 27.86
 BUD XN EP 0449 30.18

July 23 2011 Hour: 06:27:12.8 Lat: 14.69°N Lon: 93.65°W M: 4.5 Depth: 60 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ IP C 0640 30.45
 PSZ SZ IP C 0640 27.52
 TRPA SZ IP C 0640 25.59

July 23 2011 Hour: 06:27:12.8 Lat: 14.69°N Lon: 93.65°W M: 4.5 Depth: 60 km
 STAT CO PHASE P HRMM SECON
 BUD XZ IP C 0640 29.45

July 23 2011 Hour: 10:19:47.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1022 13.49

PSZ SE ESg 1022 16.79

July 24 2011 Hour: 03:49:51.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK SZ EPg 0352 08.74

CSKK SN ESg 0352 10.60

CSKK SE ESg 0352 10.65

July 24 2011 Hour: 15:07:10.0 Lat: 38.89°N Lon: 142.05°E M: 5.1 Depth: 52 km

STAT CO PHASE P HRMM SECON

CSKK SZ EP C 1519 17.03

PSZ SZ EP C 1519 11.42

TRPA SZ EP C 1519 03.98

July 24 2011 Hour: 15:07:10.0 Lat: 38.89°N Lon: 142.05°E M: 5.1 Depth: 52 km

STAT CO PHASE P HRMM SECON

BUD XZ EP C 1519 15.25

July 24 2011 Hour: 18:51:26.2 Lat: 37.78°N Lon: 141.41°E M: 6.3 Depth: 49 km

STAT CO PHASE P HRMM SECON

CSKK SZ EP C 1903 36.92

TRPA SZ IP C 1903 23.88

TRPA SZ EP 1906 12.26

PSZ SZ IP C 1903 31.79

PSZ SZ EP 1906 29.01

PSZ SZ IS 1913 36.34

PSZ SN ES 1919 25.50

TRPA SN IS 1913 12.12

TRPA SN ES 1918 31.01

July 24 2011 Hour: 18:51:26.2 Lat: 37.78°N Lon: 141.41°E M: 6.3 Depth: 49 km

STAT CO PHASE P HRMM SECON

BUD XZ IP C 1903 35.22

BUD XN EP 1906 32.47

BUD XN IS 1913 40.50

BUD XE ES 1919 07.84

July 25 2011 Hour: 02:44:52.0 Lat: 45.68°N Lon: 18.16°E M: 2.8 Depth: 2 km

STAT CO PHASE P HRMM SECON

BUD XZ EPn 0245 27.63

BUD XN Sn 0245 55.00

July 25 2011 Hour: 05:30:23.0 Lat: 21.21°S Lon: 174.43°W M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON

PSZ SZ EP 0550 14.39

TRPA SZ EP 0550 13.73

July 25 2011 Hour: 08:10:57.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK SE ESg 0813 49.17

CSKK SZ EPg C 0813 47.36

July 25 2011 Hour: 08:10:57.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0814 47.83
 CSKK SN ESg 0814 49.29

July 25 2011 Hour: 08:10:57.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0821 36.86
 CSKK SE ESg 0821 38.37

July 25 2011 Hour: 11:04:47.0 Lat: 38.68°N Lon: 141.93°E M: 5.0 Depth: 46 km

STAT CO PHASE P HRMM SECON
 PSZ SZ IP D 1116 49.99

July 25 2011 Hour: 11:54:49.0 Lat: 35.33°N Lon: 141.03°E M: 5.5 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1207 08.30
 PSZ SN IS 1217 15.89
 CSKK SZ EP 1207 23.88
 CSKK SZ IS 1217 28.56
 BEHE SZ EP 1207 22.02
 BEHE SZ IS 1217 26.45

July 25 2011 Hour: 17:57:21.0 Lat: 40.80°N Lon: 27.75°E M: 5.0 Depth: 16 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 1759 40.43
 PSZ SZ EPn 1759 33.35
 BEHE SN Sn 1801 32.66
 PSZ SN Sn 1801 07.39

July 25 2011 Hour: 17:57:21.0 Lat: 40.80°N Lon: 27.75°E M: 5.0 Depth: 16 km

STAT CO PHASE P HRMM SECON
 BUD XZ EPn 1759 34.73
 BUD XN Sn 1801 14.39

July 25 2011 Hour: 20:39:56.0 Lat: 38.61°N Lon: 141.65°E M: 4.9 Depth: 52 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2051 57.81

July 25 2011 Hour: 22:58:46.0 Lat: 42.22°N Lon: 142.32°E M: 5.0 Depth: 62 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2310 32.63
 CSKK SZ EP 2310 32.83

July 26 2011 Hour: 06:17:37.0 Lat: 53.14°N Lon: 159.68°E M: 5.7 Depth: 38 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0629 21.70
 PSZ SZ EP C 0629 09.45
 TRPA SZ EP C 0629 03.48

July 26 2011 Hour: 06:17:37.0 Lat: 53.14°N Lon: 159.68°E M: 5.7 Depth: 38 km

STAT CO PHASE P HRMM SECON
 BUD XZ IP C 0629 13.16

July 26 2011 Hour: 07:08:10.0 Lat: 19.82°S Lon: 178.11°W M: 4.8 Depth: 572 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP D 0726 52.16

July 26 2011 Hour: 10:12:52.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1015 35.31
 PSZ SE ESg 1015 39.00
 PSZ SN ESg 1015 39.19

July 26 2011 Hour: 11:03:51.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1106 57.28
 PSZ SE ESg 1107 02.67
 PSZ SN ESg 1107 02.69

July 27 2011 Hour: 06:17:54.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0620 28.05
 CSKK SN ESg 0620 29.41

July 27 2011 Hour: 06:17:54.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0620 39.48
 CSKK SN ESg 0620 41.76
 CSKK SE ESg 0620 41.46

July 27 2011 Hour: 09:58:14.0 Lat: 38.33°N Lon: 31.88°E M: 4.8 Depth: 18 km
 STAT CO PHASE P HRMM SECON
 TRPA SZ EPn 1001 05.22
 BEHE SZ EPn 1001 35.89
 PSZ SZ EPn 1001 26.92
 BEHE SN Sn 1004 04.24
 PSZ SN Sn 1004 21.38
 TRPA SN Sn 1003 46.36

July 27 2011 Hour: 11:21:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 BUD XN ESg 1123 40.98
 BUD XZ EPg 1123 34.94

July 27 2011 Hour: 12:48:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 BUD XZ EPg 1249 18.28
 BUD XN ESg 1249 24.37

July 27 2011 Hour: 14:50:00.0 Lat: 40.14°N Lon: 142.78°E M: 5.0 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1501 59.11
 SOP SZ EP C 1502 12.25
 TRPA SZ EP C 1501 51.77

July 27 2011 Hour: 18:15:55.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 1818 36.60
 CSKK SN ESg 1818 38.76

July 27 2011 Hour: 20:03:24.0 Lat: 22.08°S Lon: 169.96°E M: 5.0 Depth: 30 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2022 57.35
 SOP SZ EP 2023 07.25
 TRPA SZ EP 2022 51.86

July 27 2011 Hour: 23:00:31.0 Lat: 10.76°N Lon: 43.51°W M: 5.9 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 2310 50.26
 CSKK SZ EP 2310 57.72
 PSZ SZ EP 2311 05.18
 SOP SZ EP 2310 54.64
 TRPA SZ EP 2311 16.76
 SOP SE IS 2319 08.81
 TRPA SN IS 2319 59.32
 PSZ SE IS 2319 43.16
 CSKK SN IS 2319 20.94
 BEHE SN IS 2319 18.92

July 27 2011 Hour: 23:00:31.0 Lat: 10.76°N Lon: 43.51°W M: 5.9 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 2311 01.01

July 28 2011 Hour: 09:01:36.0 Lat: 40.46°N Lon: 143.25°E M: 5.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 0913 38.36
 SOP SZ IP C 0913 50.21
 SOP SZ EP 0916 56.63
 SOP SE IS 0923 42.16
 PSZ SE IS 0923 21.42
 PSZ SN EP 0916 34.74

July 28 2011 Hour: 09:01:36.0 Lat: 40.46°N Lon: 143.25°E M: 5.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BUD XZ IP C 0913 42.51

July 29 2011 Hour: 07:42:24.0 Lat: 23.68°S Lon: 179.77°E M: 6.6 Depth: 534 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0801 12.68
 CSKK SZ EP 0803 22.61
 CSKK SN IS 0810 59.66
 PSZ SN IS 0810 54.53
 TRPA SN IS 0810 48.76
 SOP SN IS 0811 05.95
 PSZ SZ EP 0801 08.67
 PSZ SZ ES 0814 19.60
 PSZ SZ IP 0803 09.09
 SOP SZ EP C 0801 11.75

SOP SZ ES 0814 23.64
 SOP SZ IP 0803 07.07
 TRPA SZ EP 0801 06.82
 TRPA SZ ES 0814 13.54
 TRPA SZ IP 0803 09.09

July 29 2011 Hour: 07:42:24.0 Lat: 23.68°S Lon: 179.77°E M: 6.6 Depth: 534 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 0801 10.01

July 29 2011 Hour: 10:45:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 1048 17.80
 CSKK SN ESg 1048 19.95
 CSKK SE ESg 1048 20.03

July 29 2011 Hour: 13:34:51.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 1337 30.78
 CSKK SN IP 1337 32.96
 CSKK SE IP 1337 32.99
 PSZ SN Sn 1338 05.33
 PSZ SZ EPn 1337 49.65

July 29 2011 Hour: 13:35:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 BUD XZ EPn 1337 33.31
 BUD XN Sn 1337 43.12

July 29 2011 Hour: 14:53:20.0 Lat: 36.75°N Lon: 141.91°E M: 5.3 Depth: 27 km

STAT CO PHASE P HRMM SECON
 PSZ SZ IP C 1505 33.93
 SOP SZ IP C 1505 43.02
 SOP SN IS 1516 05.41
 PSZ SN IS 1515 43.72

July 29 2011 Hour: 18:27:48.0 Lat: 36.78°N Lon: 141.99°E M: 4.9 Depth: 35 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1840 01.37

July 29 2011 Hour: 19:52:26.0 Lat: 38.30°N Lon: 21.73°E M: 4.0 Depth: 10 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPn C 1954 51.27
 PSZ SZ EPn 1954 49.73
 PSZ SN Sn 1956 36.38
 CSKK SE Sn 1956 27.85

July 30 2011 Hour: 13:21:35.0 Lat: 34.94°N Lon: 141.62°E M: 5.0 Depth: 41 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1333 54.34
 SOP SZ EP C 1334 03.08
 TRPA SZ EP C 1333 46.87
 TRPA SE IS 1344 04.69

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

SOP SE IS 1344 25.36
 PSZ SN IS 1344 12.27

July 30 2011 Hour: 17:18:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ IPg C 1721 08.05
 CSKK SN ESg 1721 08.53
 CSKK SE ISg 1721 08.44

July 30 2011 Hour: 18:53:51.0 Lat: 36.94°N Lon: 141.11°E M: 6.4 Depth: 42 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 1906 13.21
 PSZ SN IS 1916 01.86
 TRPA SN IS 1915 45.73
 TRPA SN ES 1920 44.40
 SOP SN IS 1916 19.13
 SOP SN ES 1921 40.88
 PSZ SE ES 1921 10.62
 BEHE SN IS 1916 24.00
 BEHE SN ES 1922 05.09
 BEHE SN IP 1909 07.35
 PSZ SZ EP C 1906 00.40
 PSZ SZ ES 1921 12.64
 PSZ SZ IP 1909 04.34
 SOP SZ EP C 1906 09.81
 SOP SZ IP 1909 18.13
 TRPA SZ EP C 1905 53.35
 TRPA SZ IP 1908 53.99

July 30 2011 Hour: 18:53:51.0 Lat: 36.94°N Lon: 141.11°E M: 6.4 Depth: 42 km

STAT CO PHASE P HRMM SECON
 BUD XZ IP C 1906 00.01
 BUD XN IS 1916 09.26
 BUD XE ES 1921 18.46

July 31 2011 Hour: 14:34:52.0 Lat: 16.98°N Lon: 171.63°W M: 6.2 Depth: 40 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP D 1454 21.25
 CSKK SZ EP 1454 17.90
 PSZ SZ EP 1454 14.07
 SOP SZ EP 1454 19.97

July 31 2011 Hour: 14:34:52.0 Lat: 16.98°N Lon: 171.63°W M: 6.2 Depth: 40 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 1454 15.52

July 31 2011 Hour: 17:35:58.0 Lat: 41.77°N Lon: 142.91°E M: 5.5 Depth: 40 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1747 48.84
 PSZ SE IS 1757 37.01

July 31 2011 Hour: 22:40:52.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg		2243	28.55
CSKK	SE	ESg		2243	30.78
CSKK	SN	ESg		2243	30.73

July 31 2011 Hour: 23:38:59.0 Lat: 3.56°S Lon: 144.58°E M: 6.7 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP		2357	44.16
PSZ	SE	EP		2357	52.69
SOP	SE	IS		2358	59.61
PSZ	SN	IS		2358	45.56

August 01 2011 Hour: 04:29:22.0 Lat: 6.790 °N Lon: 41.720 °E M: 4.8 Depth: 40.0 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	EP	C	0441	43.18
PSZ	XZ	IP	C	0441	33.94
PSZ	XZ	AMP		0441	34.82

August 01 2011 Hour: 13:44:49.0 Lat: 39.89 °N Lon: 142.12 °E M: 5.6 Depth: 60.0 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	IP	C	1356	58.29
BEHE	XZ	AMP		1357	00.81
BUD	XZ	IP	C	1356	49.60
BUD	XZ	AMP		1356	51.64
CSKK	XZ	IP	C	1356	51.48
PSZ	XZ	IP	C	1356	45.61
PSZ	XZ	AMP		1356	47.93
SOP	XZ	IP	C	1356	55.24
SOP	XZ	AMP		1356	56.87
TRPA	XZ	IP	C	1356	38.33
TRPA	XZ	AMP		1356	40.41

August 01 2011 Hour: 13:44:49.0 Lat: 39.89 °N Lon: 142.12 °E M: 5.6 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	IP	C	1356	51.48
PSZ	XZ	IP	C	1356	45.61
SOP	XZ	IP	C	1356	55.24
TRPA	XZ	IP	C	1356	38.33
BEHE	XZ	IP	C	1356	58.29
BUD	XZ	IP	C	1356	49.60

August 01 2011 Hour: 14:58:11.0 Lat: 34.70 °N Lon: 138.45 °E M: 6.0 Depth: 30.0 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	IP	C	1510	24.30
SOP	XZ	IP	C	1510	33.69
TRPA	XZ	IP	C	1510	16.67
BEHE	XZ	IP		1510	37.95
BUD	XZ	IP	C	1510	27.76
CSKK	XZ	IP		1510	30.41
BEHE	XZ	AMP		1510	39.13
BUD	XZ	AMP		1510	31.32
PSZ	XZ	AMP		1510	26.27

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

SOP XZ AMP 1510 35.74
TRPA XZ AMP 1510 18.44

August 01 2011 Hour: 14:58:11.0 Lat: 34.70 °N Lon: 138.45 °E M: 6.0 Depth: 30 km

STAT CO PHASE P HRMM SECON
PSZ XZ IP C 1510 24.30
SOP XZ IP C 1510 33.69
TRPA XZ IP C 1510 16.67
BEHE XZ IP 1510 37.95
BUD XZ IP C 1510 27.76
CSKK XZ IP 1510 30.41

August 01 2011 Hour: 19:40:53.0 Lat: 33.83 °N Lon: 87.67 °E M: 5.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
BUD XZ IP 1950 05.75
PSZ XZ IP 1949 59.53
SOP XZ IP 1950 14.55
TRPA XZ IP D 1949 45.55
BEHE XZ IP 1950 16.90

August 02 2011 Hour: 19:18:48.0 Lat: 23.97 °N Lon: 78.99 °E M: 5.6 Depth: 538 km

STAT CO PHASE P HRMM SECON
BEHE XZ IP 1937 34.24
BEHE XZ EP 1937 44.81
BEHE XZ IPg 1937 59.19
BEHE XZ EPg 1939 54.55
BUD XZ IP 1937 30.72
CSKK XZ IP 1937 34.54
PSZ XZ IP 1937 31.31
SOP XZ IP 1937 33.36

August 03 2011 Hour: 03:20:19.0 Lat: 16.63°S Lon: 177.18°W M: 5.1 Depth: 2 km

STAT CO PHASE P HRMM SECON
PSZ XZ IP 0339 59.00
SOP XZ IP 0340 01.12

August 03 2011 Hour: 06:10:20.5 Lat: 47.454°N Lon: 18.459°E M: Depth: 0.0 km

STAT CO PHASE P HRMM SECON
GAP= 41 1 6000 00109
CSKK XZ IP 0610 23.95
CSKK XN IS 0610 24.92

August 03 2011 Hour: 14:35:53.0 Lat: 3.4 °S Lon: 100.13 °E M: 5.2 Depth: 30 km

STAT CO PHASE P HRMM SECON
BEHE XZ IP 1447 55.30

August 03 2011 Hour: 20:02:19.0 Lat: 1.0 Lon: 98.74 °E M: 5.1 Depth: 79 km

STAT CO PHASE P HRMM SECON
BEHE XZ IP D 2014 38.74
BUD XZ IP C 2014 31.81
PSZ XZ IP D 2014 28.89
SOP XZ IP D 2014 33.93

August 03 2011 Hour: 20:39:40.0 Lat: 16.16°S Lon: 167.91 °E M: 5.1 Depth: 200 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ IP 2102 01.29

August 03 2011 Hour: 22:39:29.0 Lat: 5.05 °S Lon: 148.26 °E M: 5.7 Depth: 30 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ IP 2258 10.22
 PSZ XZ IPg 2259 22.68
 SOP XZ IP 2258 12.99
 SOP XZ EP 2259 44.52

August 04 2011 Hour: 00:16:10.0 Lat: 2.77 °S Lon: 101.12 °E M: 5.8 Depth: 60 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ IP C 0028 54.48
 BUD XZ IP C 0028 47.55
 CSKK XZ EP 0028 49.78
 PSZ XZ IP C 0028 45.08
 SOP XZ IP C 0028 55.89

August 04 2011 Hour: 01:35:56.0 Lat: 3.89 °N Lon: 32.24°E M: 4.8 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP D 0145 29.99

August 04 2011 Hour: 05:47:43.0 Lat: 18.1 °S Lon: 177.77°W M: 4.6 Depth: 609 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP D 0606 17.14

August 04 2011 Hour: 10:06:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ XZ IPg 1007 46.69
 PSZ XN ISg 1007 49.94
 PSZ XE EPg 1007 49.50

August 04 2011 Hour: 10:19:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 1020 42.05
 CSKK XN ESg 1020 44.02

August 04 2011 Hour: 13:51:35.0 Lat: 48.48 °N Lon: 154.81 °E M: 6.1 Depth: 44 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ IP C 1403 29.94
 BUD XZ IP C 1403 22.19
 CSKK XZ EP 1403 24.54
 PSZ XZ EP C 1403 16.55
 PSZ XZ IP C 1403 16.08
 SOP XZ IP C 1403 24.77
 TRPA XZ IP C 1403 10.91

August 04 2011 Hour: 20:24:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP 2025 39.74
 PSZ XN IS 2025 58.53
 TRPA XZ EP 2025 40.87

TRPA XN ESg 2026 00.89

August 05 2011 Hour: 06:31:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK XZ IPg C 0633 33.39

CSKK XN ISg 0633 35.79

August 05 2011 Hour: 06:31:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK XZ IPg 0633 49.53

CSKK XN ISg 0633 51.40

August 05 2011 Hour: 10:24:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

PSZ XZ EPg 1026 07.85

PSZ XN ESg 1026 11.56

August 05 2011 Hour: 10:38:23.0 Lat: 18.87°S Lon: 175.82°W M: 4.7 Depth: 225 km

STAT CO PHASE P HRMM SECON

CSKK XZ EP 1057 45.04

PKSG XZ EP 1057 44.38

PKST XZ EP 1057 45.31

PSZ XZ EP D 1057 42.79

SOP XZ EP 1057 45.71

TRPA XZ EP 1057 40.13

August 05 2011 Hour: 13:34:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

PSZ XZ EPg 1335 26.75

PSZ XN ESg 1335 31.77

August 05 2011 Hour: 17:42:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK XZ IPg 1744 00.58

CSKK XN ISg 1744 02.48

August 06 2011 Hour: 02:09:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK XZ IPg 0210 35.80

CSKK XN ES 0210 36.50

August 06 2011 Hour: 02:47:58.0 Lat: 2.77°S Lon: 101.12 °E M: 5.5 Depth: 60 km

STAT CO PHASE P HRMM SECON

BEHE XZ EP 0258 42.65

BUD XZ EP 0258 35.28

CSKK XZ EP 0258 38.07

August 07 2011 Hour: 02:09:25.0 Lat: 49.84 °N Lon: 18.48 °E M: 2.7 Depth: 2 km

STAT CO PHASE P HRMM SECON

PKSM XZ EP 0210 04.78

PSZ XZ EP 0210 05.38

SOP XZ EP 0210 07.16

TRPA XZ EP 0210 17.07

CSKK XZ IP 0210 00.03

August 08 2011 Hour: 06:22:34.0 Lat: 11.77°S Lon: 168.32 °E M: 5.7 Depth: 403 km

STAT CO PHASE P HRMM SECON

BEHE XZ EP 0641 10.45

BEHE XZ IP 0644 03.75

BUD XZ EP 0641 06.57

BUD XZ IP 0643 53.89

CSKK XZ IP 0644 04.81

CSKK XZ EP 0641 07.27

PSZ XZ IP 0643 47.90

PSZ XZ IPg 0641 07.04

PSZ XZ EPg 0643 46.37

PSZ XZ EP 0641 06.57

SOP XZ IP 0643 57.06

SOP XZ EP 0641 09.39

TRPA XZ IP 0643 36.98

TRPA XZ EP 0641 02.70

TRPA XZ IPg 0643 58.12

August 07 2011 Hour: 09:15:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK XZ EP 0917 48.34

CSKK XE Sn 0919 19.93

August 08 2011 Hour: 14:35:35.0 Lat: 38.40 °N Lon: 21.38 °E M: 4.7 Depth: 5 km

STAT CO PHASE P HRMM SECON

PSZ XZ EP 1437 57.38

SOP XZ EP 1438 02.46

SOP XZ IP 1440 41.68

SOP XZ IPg 1442 05.75

TRPA XZ EP 1437 56.82

TRPA XZ IP 1440 50.60

TRPA XZ IPg 1441 44.14

BEHE XZ EP 1437 47.28

BEHE XZ IP 1440 48.72

BEHE XZ IPg 1441 22.54

BUD XZ IPg 1437 48.84

BUD XZ IP 1439 52.83

BUD XZ EP 1437 53.66

CSKK XZ EP 1437 52.59

August 07 2011 Hour: 21:40:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

BEHE XN ESg 2142 08.94

SOP XZ EPn 2142 08.69

SOP XZ EPg 2142 11.75

SOP XN ISg 2142 35.79

BEHE XZ EPg 2141 56.16

August 07 2011 Hour: 23:18:29.0 Lat: 46.75 °N Lon: 152.61°E M: 4.9 Depth: 40 km

STAT CO PHASE P HRMM SECON

BUD XZ IP 2330 22.79

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

CSKK XZ IP 2330 24.67
PSZ XZ IP C 2330 18.85
SOP XZ EP C 2330 25.95

August 08 2011 Hour: 01:51: 9.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
BEHE XZ EPn D 0152 24.21
BEHE XN Sn 0152 37.06
BUD XZ EPn 0152 27.31
BUD XN Sn 0152 44.56
CSKK XZ EPn 0152 22.60
CSKK XN Sn 0152 35.45
CSKK XN AMSN 0152 37.91

August 08 2011 Hour: 07:55:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ IPg 0756 53.75
CSKK XN ESg 0756 55.49
CSKK XN AMSG 0756 57.00

August 08 2011 Hour: 08: 0:19.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ EPg 0801 13.76
CSKK XN ISg 0801 14.68
CSKK XN AMSG 0801 16.34

August 08 2011 Hour: 20:34:19.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ EPn 2035 29.08
CSKK XN Sn 2035 41.26

August 08 2011 Hour: 22:07:19.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ EPg 2208 06.76
CSKK XN ESg 2208 08.40
CSKK XZ AMPG 2208 07.00

August 09 2011 Hour: 11:11:22.0 Lat: 20.59°S Lon: 172.42°W M: 5.2 Depth: 563 km

STAT CO PHASE P HRMM SECON
PSZ XZ IP D 1130 07.08
TRPA XZ IP D 1130 03.85

August 10 2011 Hour: 00:53:27.0 Lat: 27.81 °N Lon: 65.1 M: 5.8 Depth: 57 km

STAT CO PHASE P HRMM SECON
BEHE XZ IP 0101 13.34
BEHE XZ EP 0101 27.92
BUD XZ IP 0101 01.98
BUD XZ EP 0101 16.45
CSKK XZ IP 0101 06.13
PSZ XZ IP 0100 58.53
PSZ XZ EP 0101 13.08

August 10 2011 Hour: 13:09:55.0 Lat: 19.17°S Lon: 175.64°W M: 4.7 Depth: 244 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP D 1329 13.52

August 10 2011 Hour: 23:45:42.0 Lat: 7.19 °S Lon: 12.70 °W M: 5.8 Depth: 11 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP 2355 46.41
 BUD XZ EP D 2355 58.44
 CSKK XZ EP 2355 55.30
 CSKK XZ IP 2356 04.36
 PSZ XZ EP 2356 03.16
 TRPA XZ EP D 2356 10.83

August 11 2011 Hour: 01:13:43.0 Lat: 24.85°S Lon: 179.92 °E M: 5.1 Depth: 515 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP D 0132 39.40
 PSZ XZ IP 0132 51.92
 TRPA XZ EP 0132 36.38

August 11 2011 Hour: 02:56:41.0 Lat: 19.14 °N Lon: 121.19 °E M: 5.4 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP 0309 03.18
 TRPA XZ EP 0308 53.88

August 11 2011 Hour: 10:17:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK XZ IPg 1018 10.11
 CSKK XZ AMPG 1018 10.20
 CSKK XN ISg 1018 11.83
 CSKK XN AMSG 1018 12.43

August 11 2011 Hour: 11:50:19.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ XZ EPg 1150 42.02
 PSZ XN ISg 1150 45.04
 PSZ XN AMSG 1150 46.43

August 11 2011 Hour: 14:28:49.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK XN ISg 1429 02.93
 CSKK XZ IPg 1429 02.39
 CSKK XZ AMSG 1429 03.63

August 11 2011 Hour: 18:22:56.0 Lat: 37.06 °N Lon: 140.94 °E M: 6.0 Depth: 60 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ IP C 1834 25.24
 BUD XZ IP C 1834 16.34
 CSKK XZ EP 1834 18.33
 PSZ XZ IP C 1834 12.49
 TRPA XZ IP C 1834 05.31

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

August 11 2011 Hour: 22:32:18.0 Lat: 36.62 °N Lon: 54.77 °E M: 4.9 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP 2238 11.19
 TRPA XZ EP 2237 55.83

August 12 2011 Hour: 03:15:10.0 Lat: 21.74°S Lon: 176.99°W M: 5.6 Depth: 230 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP 0334 32.15
 BUD XZ EP D 0334 36.56
 PSZ XZ EP D 0334 35.04
 TRPA XZ EP D 0334 32.14

August 13 2011 Hour: 07:33:59.0 Lat: 14.49 °N Lon: 94.67 °W M: 5.8 Depth: 22 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP 0746 31.00
 TRPA XZ EP D 0746 36.86
 PKST XE IP D 0747 52.90

August 14 2011 Hour: 01:05:04.0 Lat: 37.27 °N Lon: 22.02 °E M: 4.8 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP 0107 25.04
 BUD XZ EP 0107 32.45
 CSKK XZ EP 0107 32.60
 PSZ XZ EP 0107 36.36
 TRPA XZ EP 0107 39.65
 BEHE XE IP 0110 51.82
 PSZ XE IP 0111 09.36
 TRPA XE IP 0110 59.26
 BUD XE IP 0110 51.29
 CSKK XN ES 0109 32.62

August 14 2011 Hour: 01:29:40.0 Lat: 1.26 °S Lon: 14.79°W M: 5.5 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 0139 11.53
 BUD XZ EP 0139 27.01
 CSKK XZ EP C 0139 24.09
 PSZ XZ EP 0139 28.65
 TRPA XZ IP 0139 41.21
 TRPA XZ EP D 0139 41.35

August 14 2011 Hour: 12:58:26.0 Lat: 22.86°S Lon: 179.58°W M: 4.9 Depth: 578 km
 STAT CO PHASE P HRMM SECON
 TRPA XZ EP D 1317 10.15
 PSZ XZ EP 1317 13.39

August 14 2011 Hour: 23:12:18.0 Lat: 47.2 °N Lon: 17.7 °E M: 2.7 Depth: 1 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP 2312 50.26
 CSKK XZ EP 2312 58.27
 PSZ XZ EP 2313 14.82
 BEHE XN ES 2313 12.78
 BUD XN ES 2313 22.04
 BUD XZ EP 2312 53.70

CSKK XE ES 2313 29.61
 PSZ XN ES 2313 57.62

August 15 2011 Hour: 02:53:20.0 Lat: 1.74 °S Lon: 76.96°W M: 5.7 Depth: 188 km

STAT CO PHASE P HRMM SECON
 BEHE XZ IP 0306 17.13
 BUD XZ IP C 0306 23.30
 CSKK XZ IP 0306 20.81
 PSZ XZ IP 0307 09.64
 TRPA XZ ESg C 0306 33.60
 TRPA XZ IP C 0307 16.73

August 15 2011 Hour: 05:56:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XN ESg 0558 07.45
 CSKK XN AMSG 0558 07.89
 CSKK XZ EPg 0558 04.58
 CSKK XZ AMPG 0558 05.35

August 15 2011 Hour: 09:37:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ XN ISg 0938 44.08
 PSZ XZ EPg 0938 41.07

August 15 2011 Hour: 13:08:35.0 Lat: 43.05 °N Lon: 17.77 °E M: Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE XZ IPn C 1309 29.95
 BEHE XN EPn 1310 11.03
 BUD XZ EPn C 1309 42.94
 BUD XN ES 1310 34.72
 CSKK XZ IPn D 1309 41.07
 CSKK XN EPn 1310 28.85
 PSZ XZ EPn C 1309 50.57
 PSZ XN ES 1310 47.05
 TRPA XZ EPn 1310 04.95
 TRPA XN Sn 1311 10.61

August 15 2011 Hour: 21:32: 0.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EP 2133 19.19
 CSKK XZ IPn 2133 20.06
 CSKK XN ES 2133 22.94

August 16 2011 Hour: 19:35:19.0 Lat: 40.25 °N Lon: 142.24 °E M: 5.4 Depth: 31 km

STAT CO PHASE P HRMM SECON
 BEHE XZ IP C 1947 30.14
 BUD XZ IP C 1947 21.50
 CSKK XZ IP 1947 23.49
 PSZ XZ IP C 1947 17.51
 SOP XZ IP C 1947 28.94
 TRPA XZ IP 1947 09.94

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

August 16 2011 Hour: 20:24:55.0 Lat: 57.26°S Lon: 25.40 °W M: 5.6 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP	C	2036	06.96
BUD	XZ	EP	C	2036	00.04
CSKK	XZ	EP		2036	00.97
PSZ	XZ	EP	C	2035	56.99
SOP	XZ	EP	C	2036	03.50
TRPA	XZ	EP	C	2035	52.87

August 17 2011 Hour: 03:05:56.0 Lat: 38.43 °N Lon: 142.11 °E M: 5.1 Depth: 38 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	IP		0317	31.76

August 17 2011 Hour: 11:19:39.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EP		1120	05.93
CSKK	XN	ES		1120	11.68
CSKK	XN	AMSG		1120	13.04

August 18 2011 Hour: 01:17:19.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn	C	0117	51.10
BEHE	XZ	EPg		0117	54.09
BEHE	XN	ES		0118	11.89
BEHE	XN	AMSN		0118	24.67
BUD	XZ	EPn		0118	20.17
BUD	XN	ES		0118	53.67
BUD	XN	AMSN		0118	58.99
CSKK	XZ	EPn		0118	11.77
CSKK	XN	ES		0118	44.29
CSKK	XN	AMSN		0118	57.46
PSZ	XZ	EPn		0118	17.33
PSZ	XZ	EPg		0118	23.54
PSZ	XN	ES		0119	16.26
PSZ	XN	AMSN		0119	18.06
SOP	XZ	EPg		0118	08.46
SOP	XN	ES		0118	36.20
SOP	XE	ES		0118	40.39
SOP	XE	AMSN		0118	59.80
TRPA	XZ	EPn	C	0118	58.28
TRPA	XN	ES		0120	00.03
TRPA	XN	AMSN		0120	21.61

August 18 2011 Hour: 08:30:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP		0831	26.06
PSZ	XN	ES		0831	31.71

August 18 2011 Hour: 11:57:44.0 Lat: 42.63 °N Lon: 42.94 °E M: 4.8 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	IP	C	1202	05.87
CSKK	XZ	EP		1201	56.36
PSZ	XZ	EP		1201	40.20

SOP XZ IP C 1202 10.35
 TRPA XZ EP 1201 16.03
 TRPA XZ IP 1201 24.35

August 19 2011 Hour: 04:13:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 0415 01.66
 BUD XZ EP D 0414 56.34
 PSZ XZ EP D 0414 55.14
 SOP XZ EP 0415 00.06
 TRPA XZ EP D 0414 51.16
 BUD XZ AMP 0415 00.86
 PSZ XZ AMP 0414 58.73
 TRPA XZ AMP 0414 54.53
 SOP XZ AMP 0415 04.20

August 19 2011 Hour: 05:36:33.0 Lat: 37.72 °N Lon: 141.66 °E M: 6.3 Depth: 48 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 0548 51.69
 BUD XZ EP 0548 42.92
 CSKK XZ EP 0548 45.71
 PSZ XZ EP C 0548 39.45
 SOP XZ EP C 0548 49.68
 TRPA XZ EP 0548 32.11

August 19 2011 Hour: 09:43:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ XZ EP 0944 09.62
 PSZ XN ES 0944 12.19
 PSZ XE AMSG 0944 14.22

August 19 2011 Hour: 11:39:46.0 Lat: 46.58 °N Lon: 153.25 °E M: 5.2 Depth: 30 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP C 1151 39.46
 TRPA XZ EP C 1151 32.69

August 20 2011 Hour: 01:47:17.0 Lat: 22.55°S Lon: 174.79°W M: 5.5 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP 0144 55.94
 SOP XZ EP 0144 51.29
 TRPA XZ EP C 0144 53.68

August 20 2011 Hour: 02: 0:24.0 Lat: 37.92 °N Lon: 21.71 °E M: 4.9 Depth: 7 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 0202 43.25
 CSKK XE ES C 0204 33.88
 SOP XE ES 0204 45.84
 BUD XN ES 0204 28.30
 BEHE XE ES 0204 23.12
 PSZ XZ EP 0202 49.13
 PSZ XZ IP 0202 57.40
 SOP XZ EP 0202 41.16
 SOP XZ IP 0202 50.63

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

TRPA XZ EP 0202 50.75
 TRPA XZ IP 0202 59.40
 CSKK XZ EP 0202 44.04
 CSKK XZ IP 0202 52.41
 BEHE XZ EP 0202 36.70

August 20 2011 Hour: 09:07:48.0 Lat: 43.39 °N Lon: 17.56 °E M: 4.1 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		0908	36.67
BEHE	XZ	IPg		0908	38.08
BEHE	XN	ISg		0909	15.36
BUD	XZ	EPn		0908	52.56
BUD	XZ	IPg		0909	07.74
BUD	XN	ISg		0910	03.60
CSKK	XZ	EPn		0908	48.77
CSKK	XZ	EPg		0908	50.80
CSKK	XN	Sn		0909	31.08
CSKK	XE	ES		0909	49.62
PSZ	XZ	EPn		0908	59.43
PSZ	XZ	EPg		0909	15.77
PSZ	XN	ES		0910	17.63
PSZ	XE	ES		0910	16.83
SOP	XZ	EPn		0908	55.80
SOP	XZ	ESg		0908	57.50
SOP	XN	Sn		0909	47.44
SOP	XE	Sn		0910	02.77
TRPA	XZ	EPn		0909	34.21

August 20 2011 Hour: 10:26:29.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP	D	1026	58.61
PSZ	XZ	AMP		1026	59.51
SOP	XZ	EP	D	1027	04.27
TRPA	XZ	EP	D	1026	55.48
SOP	XZ	AMP		1027	04.84
TRPA	XZ	AMP		1026	56.27

August 20 2011 Hour: 10:49:54.0 Lat: 45.90 °N Lon: 15.41 °E M: 3.1 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		1049	25.55
BEHE	XZ	EPg		1049	26.70
BEHE	XN	ESg		1049	41.21
BUD	XZ	EPn		1049	57.91
BUD	XE	ESg		1050	42.38
CSKK	XZ	IP		1049	50.64
CSKK	XN	ESg		1050	27.35
PSZ	XZ	EP		1050	09.27
PSZ	XN	ESg		1050	43.00
SOP	XZ	EPn		1049	40.64
SOP	XZ	ISg		1049	43.22
SOP	XN	ESg		1050	09.56

August 20 2011 Hour: 16:55:52.0 Lat: 18.38°S Lon: 168.15 °E M: 7.1 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	XZ	EP		1714	15.98
TRPA	XZ	IP		1717	19.44
SOP	XZ	EP		1714	29.87
SOP	XZ	IP		1717	48.68
BEHE	XZ	EP		1714	29.87
BUD	XZ	EP		1714	21.83
BUD	XZ	IP		1717	34.06
PSZ	XZ	EP		1714	21.83
PSZ	XZ	IP		1717	31.87

August 20 2011 Hour: 17:29:53.0 Lat: 51.42 °N Lon: 16.03 °E M: 4.2 Depth: 1 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EP		1730	12.36
PSZ	XZ	EP		1730	07.97
TRPA	XZ	EP		1730	21.60
SOP	XE	ES		1731	07.98
TRPA	XN	ES		1731	56.79
SOP	XZ	EP		1730	04.89
CSKK	XE	ES		1731	04.03

August 20 2011 Hour: 18:19:22.0 Lat: 18.29°S Lon: 168.17 °E M: 7.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		1838	53.80
BUD	XZ	EP		1838	50.25
CSKK	XZ	EP		1838	48.78
PSZ	XZ	EP	D	1838	50.50
SOP	XZ	EP		1838	50.72
TRPA	XZ	EP		1838	45.08

August 21 2011 Hour: 06:14:19.0 Lat: 37.64 °N Lon: 23.30 °E M: 4.4 Depth: 112 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP	C	0616	46.39

August 21 2011 Hour: 08:18:17.0 Lat: 4.82°N Lon: 94.96°E M: 5.3 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EP		0830	08.76
PSZ	XZ	IP	C	0830	02.72
SOP	XZ	IP	C	0830	16.01
TRPA	XZ	IP	C	0829	53.23
BEHE	XZ	IP	C	0830	14.41

August 21 2011 Hour: 14:11:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EPg		1412	41.13
CSKK	XN	ESg		1412	42.63
CSKK	XN	AMSG		1412	43.07

August 22 2011 Hour: 11:23:36.0 Lat: 36.07°N Lon: 141.74°E M: 5.9 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		1136	01.77
BUD	XZ	EP	C	1135	56.46

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ XZ EP 1135 53.00
 SOP XZ EP C 1136 04.30
 TRPA XZ EP C 1135 45.82

August 22 2011 Hour: 20:12:24.0 Lat: 6.21°S Lon: 104.14 °E M: 6.0 Depth: 47 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP		2025	22.38
PSZ	XZ	IP		2025	34.60
SOP	XZ	EP		2025	33.40
SOP	XZ	IP		2025	46.34
TRPA	XZ	EP		2025	14.12
TRPA	XZ	IP		2025	27.05
BEHE	XZ	EP		2025	31.37
BEHE	XZ	IP		2025	44.31
BUD	XZ	EP		2025	24.18
BUD	XZ	IP		2025	37.12
CSKK	XZ	EP		2025	26.69
CSKK	XZ	IP		2025	40.35

August 23 2011 Hour: 00:51:58.0 Lat: 50.01°N Lon: 18.58 °E M: 3.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	EPn		0051	55.63
PSZ	XZ	EPn		0051	46.87
PSZ	XZ	EPg		0051	52.46
TRPA	XZ	EPn		0051	59.19
TRPA	XZ	EPg		0052	09.02
BUD	XN	ES		0052	32.49
PSZ	XE	ES		0052	18.13
SOP	XE	ES		0052	42.05
TRPA	XE	ES		0052	58.00
BUD	XZ	EPn		0051	54.66

August 23 2011 Hour: 01:23:00.0 Lat: 33.21°N Lon: 76.88 °E M: 5.0 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	EP		0131	28.50
TRPA	XZ	EP		0130	55.33
TRPA	XZ	IP		0132	40.03
PSZ	XZ	EP		0131	09.98
PSZ	XZ	IP		0133	00.28

August 23 2011 Hour: 04:56:56.0 Lat: 12.02 °N Lon: 44.09 °E M: 4.8 Depth: 30 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP	D	0504	37.11

August 23 2011 Hour: 17:51:04.0 Lat: 38.00°N Lon: 77.98°W M: 5.8 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP	C	1801	55.31
BUD	XZ	EP		1802	01.08
PSZ	XZ	EP		1802	02.88
SOP	XZ	EP	C	1801	51.05
TRPA	XZ	EP		1802	11.25

August 24 2011 Hour: 08:18:13.0 Lat: 72.62 °N Lon: 3.79 °E M: 5.4 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	EP	C	0813	45.44
PSZ	XZ	EP		0813	47.30
PSZ	XZ	IP	C	0813	47.04

August 24 2011 Hour: 17:46:10.0 Lat: 7.64°S Lon: 74.49°W M: 7.0 Depth: 134 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP	D	1759	24.42
BEHE	XZ	IP		1800	01.05
BEHE	XZ	ES		1803	09.39
BUD	XZ	IP	D	1759	30.99
BUD	XZ	EP	C	1800	06.69
BUD	XZ	ES		1803	59.17
PSZ	XZ	IP	D	1759	33.81
PSZ	XZ	EP	C	1800	09.98
SOP	XZ	IP	D	1759	23.95
SOP	XZ	EP	C	1759	59.17
SOP	XZ	ES		1803	15.49
TRPA	XZ	IP	D	1759	42.27
TRPA	XZ	EP	C	1800	18.43
TRPA	XZ	ES		1803	23.95

August 25 2011 Hour: 02:14:48.0 Lat: 36.16 °N Lon: 143.45°E M: 5.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP	D	0227	10.97
SOP	XZ	EP	D	0227	19.81
TRPA	XZ	EP	D	0227	03.83

August 25 2011 Hour: 10:39:55.0 Lat: 13.61°S Lon: 166.97°E M: 5.9 Depth: 128 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP	D	1059	00.99
SOP	XZ	EP	D	1059	04.45

August 25 2011 Hour: 16:02:16.0 Lat: 47.42 °N Lon: 152.29°E M: 5.1 Depth: 108 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP	C	1614	07.49
BUD	XZ	EP		1613	57.78
PSZ	XZ	EP		1613	54.33
SOP	XZ	EP	D	1614	01.77
TRPA	XZ	EP		1613	47.55

August 25 2011 Hour: 23:05:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	EP		2306	41.18
SOP	XZ	IP		2306	51.00
SOP	XN	EP		2307	38.58
SOP	XN	AMSN		2307	47.41

August 25 2011 Hour: 23:33:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		2334	35.04
BEHE	XN	Sn		2335	52.36

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BUD XZ EPn 2334 39.94
BUD XN Sn 2335 39.33
PSZ XZ EPn 2334 43.92
PSZ XN Sn 2336 00.82
SOP XZ IPn 2334 21.88
SOP XZ EPg 2334 31.18
SOP XN ESg 2335 18.93
SOP XN Sn 2335 07.68
TRPA XZ EP 2335 03.43
SOP XN AMSN 2335 23.49

August 26 2011 Hour: 00:15:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
SOP XN ES 0017 29.47
BEHE XN ES 0018 02.52
SOP XN AMSN 0017 40.78

August 26 2011 Hour: 09:30:29.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
PSZ XZ EPg 0930 52.86
PSZ XN ISg 0930 56.02
PSZ XN AMMSG 0930 56.55

August 27 2011 Hour: 10:29:47.0 Lat: 43.96°N Lon: 104.55°E M: 5.4 Depth: 10 km

STAT CO PHASE P HRMM SECON
PSZ XZ EP C 1039 26.41
TRPA XZ EP C 1039 14.18

August 27 2011 Hour: 20:31:52.0 Lat: 24.59 °N Lon: 179.97°E M: 5.5 Depth: 497 km

STAT CO PHASE P HRMM SECON
PSZ XZ EP 2050 50.63
TRPA XZ EP 2050 47.50

August 29 2011 Hour: 00:37:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ IPg 0038 12.60
CSKK XN ES 0038 13.65
CSKK XN ISg 0038 13.65

August 29 2011 Hour: 06:43:58.0 Lat: 46.04°N Lon: 14.62 °E M: 3.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
BEHE XZ EPn 0643 33.47
BEHE XZ ISg 0643 35.30
BEHE XN ESg 0643 56.37
PSZ XZ IPg 0644 07.75
PSZ XZ EPg 0644 07.75

August 29 2011 Hour: 07:30:29.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
BEHE XZ EPn 0731 02.87
BEHE XZ ISg 0731 03.84
BEHE XN Sn 0731 16.74
BEHE XN ISg 0731 18.22

August 30 2011 Hour: 13:44:34.0 Lat: 39.23 °N Lon: 140.44°E M: 4.9 Depth: 145 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP D 1356 19.80
 SOP XZ EP D 1356 28.97
 TRPA XZ EP D 1356 12.26
 PSZ XZ AMP 1356 20.62
 TRPA XZ AMP 1356 13.08

August 31 2011 Hour: 05:13:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP C 0514 15.01
 SOP XZ EP C 0514 22.45
 TRPA XZ EP C 0514 09.03
 PSZ XZ AMP 0514 15.91

August 31 2011 Hour: 12:17:27.0 Lat: 43.6 °N Lon: 28.93°W M: 5.4 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP 1224 09.10
 SOP XZ EP D 1223 49.56
 TRPA XZ EP 1224 23.85
 PSZ XZ AMP 1224 11.49
 SOP XZ AMP 1223 51.82
 TRPA XZ AMP 1224 26.24

September 01 2011 Hour: 06:14:38.0 Lat: 12.43°S Lon: 166.58°E M: 6.1 Depth: 26 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ IP C 0633 57.40
 BEHE XZ EP 0636 42.05
 BUD XZ IP C 0633 52.62
 BUD XZ EP 0636 30.89
 PSZ XZ IP C 0633 53.82
 PSZ XZ EP 0636 28.10
 SOP XZ IP C 0633 55.41
 SOP XZ EP 0636 38.47
 TRPA XZ IP C 0633 49.83
 TRPA XZ EP 0636 13.75

September 01 2011 Hour: 12:15:49.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ XZ EPg D 1216 07.12
 PSZ XN ESg 1216 10.30
 PSZ XN Lg 1216 13.66

September 01 2011 Hour: 20:41:32.0 Lat: 42.13°N Lon: 48.28°E M: 4.5 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 TRPA XZ EP 2045 55.53
 BUD XZ EP 2046 19.99
 PSZ XZ EP 2046 17.83

September 01 2011 Hour: 10:55:53.0 Lat: 52.19°N Lon: 171.77°W M: 6.8 Depth: 36 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 1108 06.52

BEHE XZ IP	C	3508	02.11
BEHE XE IP		1118	14.61
BEHE XE IS	C	3518	12.68
BUD XZ EP	C	1108	00.27
BUD XZ IP	C	3507	56.47
BUD XE IP		1118	02.92
BUD XE IS	C	3518	02.34
PSZ XZ EP	C	1107	58.18
PSZ XZ IP	C	3507	54.59
PSZ XE IP		1117	56.54
PSZ XE IS	C	3517	57.65

September 02 2011 Hour: 13:32:29.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	IPg		1333	14.54
PSZ	XN	ESg		1333	18.30
PSZ	XE	IAML		1333	32.35

September 02 2011 Hour: 23:36:29.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		2338	13.45
BEHE	XN	Sn		2338	36.47
BEHE	XN	IAML		2338	48.37
BUD	XZ	EPn		2338	11.95
BUD	XN	Sn		2338	42.28
BUD	XN	IAML		2338	46.07
PSZ	XZ	EPn		2338	19.82
PSZ	XN	Sn		2338	41.36
PSZ	XN	IAML		2338	49.45

September 03 2011 Hour: 00:24:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		0027	41.27
BEHE	XN	Sn		0028	02.25
BEHE	XN	IAML		0028	11.10
BUD	XZ	EPn		0027	53.95
BUD	XN	Sn		0028	21.89

September 03 2011 Hour: 04:42:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		0444	13.20
BEHE	XE	Sn		0445	05.11
BEHE	XE	IAML		0445	18.23
PSZ	XZ	EPn		0444	52.95
PSZ	XN	Sn		0445	55.96

September 03 2011 Hour: 22:55:38.0 Lat: 20.65°S Lon: 169.75°E M: 7.0 Depth: 150 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP	C	2314	57.76
BEHE	XZ	IP		2315	36.16
BUD	XZ	IP	C	2314	52.13
BUD	XZ	EP		2318	13.62
PSZ	XZ	IP	C	2314	49.31

PSZ XZ EP 2318 26.30

September 04 2011 Hour: 03:52:29.0 Lat: 50.14°N Lon: 12.48°E M: 3.9 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn C 0353 41.73
 BEHE XN Sn 0354 59.58
 BEHE XN IAML 0355 16.22
 BUD XZ EPn 0353 46.38
 BUD XN Sn 0355 22.46
 PSZ XZ EPn 0353 49.36
 PSZ XN Sn 0355 10.38

September 04 2011 Hour: 05:02:55.0 Lat: 44.1 °N Lon: 147.88°E M: 5.2 Depth: 39 km

STAT CO PHASE P HRMM SECON
 BEHE XZ IP C 0514 09.10
 BUD XZ IP C 0514 00.73
 PSZ XZ IP C 0513 57.67
 TRPA XZ IP C 0513 50.63

September 04 2011 Hour: 11:47:45-0 Lat: 50.22°N Lon: 12.47°E M: 3.7 Depth: 5 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn 1148 58.44
 BEHE XN Sn 1150 20.33
 BUD XN Sn 1150 22.32
 PSZ XN Sn 1150 30.29
 SOP XZ EPn 1148 44.65
 SOP XN Sn 1149 41.66

September 05 2011 Hour: 21:44:21.0 Lat: 19.17°S Lon: 168.73°E M: 5.9 Depth: 60 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 2203 48.23
 BUD XZ EP C 2203 40.86
 PSZ XZ EP D 2203 38.67
 SOP XZ EP C 2203 44.05
 TRPA XZ EP 2203 41.26

September 04 2011 Hour: 23:13:58.0 Lat: 39.69°N Lon: 21.73°E M: 4.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EPn 2315 59.20
 PSZ XE Sn 2317 35.01

September 05 2011 Hour: 01:32:29.0 Lat: 43.74°N Lon: 22.13°E M: 3.2 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn 0133 40.43
 BEHE XZ EPg 0133 58.44
 BEHE XN Sn 0134 59.90
 BUD XZ EPn 0133 34.29
 BUD XN Sn 0134 23.20
 PSZ XZ EPn 0133 39.06
 PSZ XN Sn 0134 26.05
 SOP XZ EPn 0133 50.84
 TRPA XZ EPn 0133 36.87
 TRPA XN Sn 0134 50.08

September 05 2011 Hour: 19:51:57.0 Lat: 15.25°S Lon: 173.58°W M: 6.2 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		1011	39.06
BUD	XZ	EP		1011	37.07
PSZ	XZ	EP	C	1011	36.01
SOP	XZ	EP		1011	38.00
TRPA	XZ	EP		1011	32.69

September 05 2011 Hour: 17:55:11.0 Lat: 2.91°N Lon: 97.94°E M: 6.6 Depth: 95 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP	C	1807	20.73
BUD	XZ	EP		1807	11.76
PSZ	XZ	EP		1807	09.76
SOP	XZ	EP		1807	21.32
TRPA	XZ	EP		1807	00.59
PSZ	XZ	AMP		1807	09.16

September 06 2011 Hour: 11:29:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	IPg	C	1130	33.98
PSZ	XE	ISg		1130	36.93
PSZ	XE	IAML		1130	37.52

September 07 2011 Hour: 01:23:31.0 Lat: 55.70°N Lon: 162.88°E M: 5.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		0134	59.26
BUD	XZ	EP		0135	00.06
PSZ	XZ	EP		0134	56.34
SOP	XZ	EP		0135	03.52
TRPA	XZ	EP		0134	51.29

September 07 2011 Hour: 02:31:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	IPn	D	0232	47.11
BEHE	XZ	EPg		0232	52.55
BEHE	XN	Sn		0233	11.40
BUD	XN	Sn		0233	50.91
PSZ	XZ	EPn		0233	23.95
PSZ	XN	Sn		0234	11.60
BUD	XZ	EPn		0233	10.41

September 07 2011 Hour: 07:55:30.0 Lat: 27.78°S Lon: 278.25°W M: 5.4 Depth: 231 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	XZ	EP		0815	01.23
TRPA	XZ	IP		0815	16.54
PSZ	XZ	IP		0815	22.35

September 08 2011 Hour: 19:46:53.0 Lat: 39.08°N Lon: 70.76°E M: 5.0 Depth: 60 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	XZ	IP	C	1953	45.20

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

September 09 2011 Hour: 02:51:12.0 Lat: 59.44°S Lon: 21.23°W M: 5.1 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP 0305 55.73
 BUD XZ EP D 0305 52.34
 PSZ XZ EP D 0305 50.43
 TRPA XZ EP D 0305 47.70

September 09 2011 Hour: 19:41:34.0 Lat: 49.52°N Lon: 126.85°W M: 6.4 Depth: 20 km
 STAT CO PHASE P HRMM SECON
 CSKK XZ EP 1953 36.80
 PSZ XZ EP 1953 36.21
 TRPA XZ EP 1953 39.16
 BEHE XZ EP 1953 38.57
 BEHE XZ ESg 2003 45.64
 BUD XZ EP 1953 38.57
 BUD XZ ESg 2003 39.00
 BUD XN ES 2008 39.33
 PSZ XN ESg 2003 39.00
 PSZ XN ES 2008 36.67
 TRPA XN ESg 2003 41.66
 TRPA XN ES 2008 49.96

September 10 2011 Hour: 06:00:32.0 Lat: 36.57°N Lon: 140.56°E M: 4.9 Depth: 54 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ IP C 0612 39.99

September 11 2011 Hour: 23:37:37.0 Lat: 18.19°S Lon: 167.86°W M: 5.7 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 PSZ XZ EP 2356 59.86
 TRPA XZ EP 2356 59.33

September 12 2011 Hour: 05:15:12.0 Lat: 23.70°N Lon: 122.83°E M: 5.2 Depth: 30 km
 STAT CO PHASE P HRMM SECON
 TRPA XZ EP 0527 14.55

September 12 2011 Hour: 05:58:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ XZ IPg 0559 25.04
 PSZ XN ISg 0559 25.61
 PSZ XN Lg 0559 26.86

September 12 2011 Hour: 07:43:40.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK XZ IPg 0743 44.83
 CSKK XN ISg 0743 46.18
 CSKK XE Lg 0743 47.08

September 13 2011 Hour: 16:19:27.0 Lat: 34.24°N Lon: 23.73°E M: 5.0 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP 1622 31.79
 CSKK XZ EP 1622 38.91
 PSZ XZ EP 1622 43.79
 SOP XZ EP 1622 54.47

BEHE XN ES 1626 45.91
 PSZ XE ES 1626 51.09
 SOP XE ES 1626 53.68

September 13 2011 Hour: 18:35:23.0 Lat: 45.88°N Lon: 12.09°E M: 3.5 Depth: 3 km

STAT CO PHASE P HRMM SECON
 BEHE XN Sn 1837 12.43
 SOP XZ EPn 1836 17.44
 SOP XN Sn 1837 12.73
 BEHE XZ EPn 1836 15.31

September 14 2011 Hour: 02:37:40.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ IPg D 0237 50.20
 CSKK XN ISg 0237 51.73
 CSKK XN IAML 0237 53.41

September 14 2011 Hour: 03:35:28.0 Lat: 37.20°N Lon: 22.05°E M: 4.9 Depth: 1 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 0337 52.37
 PSZ XZ EP 0338 05.96

September 14 2011 Hour: 09:05:10.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg C 0905 20.88
 CSKK XN ISg 0905 22.71
 CSKK XN IAML 0905 22.92

September 14 2011 Hour: 09:11:20.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XE Lg 0911 35.97
 CSKK XZ IPg C 0911 31.65
 CSKK XN ISg 0911 33.32
 CSKK XN IAML 0911 33.62

September 14 2011 Hour: 09:13:40.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ IPg D 0913 53.41
 CSKK XN ISg 0913 55.61

September 14 2011 Hour: 13:36:32.0 Lat: 35.27°S Lon: 178.86°W M: 5.8 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP D 1356 32.85

September 14 2011 Hour: 18:10:17.0 Lat: 53.14°N Lon: 173.05°E M: 6.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 1822 12.49
 BUD XZ EP 1822 04.78
 CSKK XZ EP 1822 06.77
 PSZ XZ EP 1822 01.46
 SOP XZ EP 1822 05.71
 TRPA XZ EP 1821 57.07

September 15 2011 Hour: 03:56: 0.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ IPg D 0356 15.89
 CSKK XN ISg 0356 18.18

September 15 2011 Hour: 08:00:57.0 Lat: 36.39°N Lon: 141.29°E M: 6.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 0812 35.61
 BUD XZ EP C 0812 26.97
 PSZ XZ EP C 0812 23.38
 SOP XZ EP C 0812 32.42
 TRPA XZ EP C 0812 15.94

September 15 2011 Hour: 10:11:10.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ IPg C 1011 32.16
 CSKK XN ISg 1011 34.89

September 15 2011 Hour: 11:19:20.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ IPg 1119 27.29
 CSKK XN ISg 1119 31.40

September 15 2011 Hour: 11:59:51.0 Lat: 14.93°S Lon: 177.86°W M: 2.6 Depth: 366 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP D 1218 49.71
 BUD XZ EP D 1218 44.82
 PSZ XZ EP D 1218 42.68
 SOP XZ EP 1218 46.34
 TRPA XZ EP D 1218 38.11

September 15 2011 Hour: 15:27:13.0 Lat: 36.45°N Lon: 82.63°E M: 5.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP D 1535 50.29
 PSZ XZ EP D 1535 31.96
 SOP XZ EP D 1535 49.50

September 15 2011 Hour: 18:51:35.0 Lat: 51.67°N Lon: 16.12°E M: 3.9 Depth: 2 km

STAT CO PHASE P HRMM SECON
 SOP XZ EP 1852 37.21
 SOP XN ES 1853 37.30

September 15 2011 Hour: 19:31:52.0 Lat: 21.59°S Lon: 179.41°W M: 7.3 Depth: 630 km

STAT CO PHASE P HRMM SECON
 CSKK XZ IP 1949 45.81
 BEHE XZ EP 1949 40.95
 BEHE XZ IP 1949 48.58
 BEHE XZ ES 1952 09.70
 BEHE XZ Sn 1956 42.99
 BUD XZ EP 1949 38.08
 BUD XZ IP 1949 44.81
 BUD XZ ES 1952 08.20
 BUD XZ IS 1953 09.63

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BUD	XZ	Sn	1956	40.39
PSZ	XZ	EP	1949	37.08
PSZ	XZ	IP	1949	43.37
PSZ	XZ	ES	1952	08.20
PSZ	XZ	IS	1953	09.63
PSZ	XZ	Sn	1956	38.67
SOP	XZ	ES	1952	10.78
SOP	XZ	IS	1953	12.22
SOP	XZ	Sn	1956	42.12
TRPA	XZ	EP	1949	34.49
TRPA	XZ	IP	1949	39.93
TRPA	XZ	ES	1952	03.46
TRPA	XZ	IS	1953	02.72
TRPA	XZ	Sn	1956	30.89

September 16 2011 Hour: 02:51:44.0 Lat: 20.35°S Lon: 179.07°W M: 4.7 Depth: 565 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		0310	23.52
CSKK	XZ	EP		0310	21.52
PSZ	XZ	EP		0310	18.93
SOP	XZ	EP	D	0310	22.45
TRPA	XZ	EP	D	0310	15.88

September 16 2011 Hour: 18:23:25.0 Lat: 20.69°S Lon: 169.75°E M: 5.5 Depth: 110 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EP		1842	48.43
BEHE	XZ	EP	D	1842	52.51
BEHE	XZ	IP		1843	21.59
CSKK	XE	IP		1843	07.36
SOP	XZ	EP		1842	50.24
SOP	XZ	IP		1843	20.95
PSZ	XZ	EP		1842	44.34
PSZ	XZ	ES		1846	12.35
BUD	XZ	EP	D	1842	46.72
BUD	XZ	ES		1846	15.54
TRPA	XZ	EP		1842	41.96
TRPA	XZ	ES		1846	09.56

September 16 2011 Hour: 19:26:42.5 Lat: 40.32°N Lon: 142.72°E M: 6.7 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	EP		1938	49.96
BEHE	XZ	EP		1938	53.15
BEHE	XZ	IP		1939	08.03
BUD	XZ	EP		1938	44.51
BUD	XZ	IP		1938	59.00
PSZ	XZ	EP		1938	40.66
PSZ	XZ	IP		1938	55.41
TRPA	XZ	EP		1938	32.15
TRPA	XZ	IP		1938	47.70

September 16 2011 Hour: 20:11:13.0 Lat: 40.33°N Lon: 143.04°E M: 5.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	XZ	EP		2023	09.58

PSZ XZ EP 2023 17.27
 SOP XZ EP 2023 26.13
 CSKK XZ EP 2023 23.12

September 16 2011 Hour: 21:08:14.0 Lat: 40.29°N Lon: 143.04°E M: 6.0 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 2120 20.19
 BUD XZ EP C 2120 11.29
 CSKK XZ EP 2120 13.02
 PSZ XZ EP C 2120 07.70
 SOP XZ EP 2120 16.61
 TRPA XZ EP C 2120 00.26

September 16 2011 Hour: 21:36:34.0 Lat: 40.18°N Lon: 143.18°E M: 5.7 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 2148 51.81
 BUD XZ EP C 2148 42.68
 CSKK XZ EP 2148 44.71
 PSZ XZ EP C 2148 39.13
 SOP XZ EP C 2148 48.04
 TRPA XZ EP C 2148 31.70

September 16 2011 Hour: 23:07:40.0 Lat: 28.29°N Lon: 54.87°E M: 4.7 Depth: 12 km

STAT CO PHASE P HRMM SECON
 SOP XZ EP 2314 35.37

September 17 2011 Hour: 06:52:26.0 Lat: 43.62°N Lon: 18.51°E M: 3.3 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 0653 17.02
 PSZ XZ EP 0653 33.87
 SOP XZ EP_n 0653 34.71
 SOP XE S_n 0654 21.66
 PSZ XE S_n 0654 23.43
 TRPA XE S_n 0654 44.74
 BEHE XE S_n 0654 10.37

September 17 2011 Hour: 07:33:58.0 Lat: 40.32°N Lon: 142.88°E M: 5.6 Depth: 34 km

STAT CO PHASE P HRMM SECON
 SOP XZ EP C 0746 06.67
 CSKK XZ EP 0746 03.44
 BEHE XZ EP 0746 09.33
 BEHE XZ IP 0746 26.27
 BUD XZ EP 0746 01.35
 BUD XZ IP 0746 29.66
 PSZ XZ EP C 0745 57.69
 PSZ XZ IP 0746 25.88
 SOP XN IP 0746 22.29
 TRPA XZ EP 0745 50.91
 TRPA XZ IP 0746 05.74

September 17 2011 Hour: 08:59:29.0 Lat: 48.93°N Lon: 154.77°E M: 5.4 Depth: 54 km

STAT CO PHASE P HRMM SECON
 TRPA XZ EP 0911 04.48

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BEHE XZ EP 0911 22.95
BUD XZ EP 0911 15.24
CSKK XZ EP 0911 17.10
PSZ XZ EP 0911 10.73

September 18 2011 Hour: 07:04:18.0 Lat: 39.90°N Lon: 143.18°E M: 5.7 Depth: 10 km

STAT CO PHASE P HRMM SECON
BEHE XZ EP C 0716 36.01
BUD XZ EP C 0716 27.24
CSKK XE EP C 0716 35.08
PSZ XZ IP C 0716 23.65
SOP XZ IP C 0716 32.42
TRPA XZ IP C 0716 16.07

September 18 2011 Hour: 12:40:47.0 Lat: 27.83°N Lon: 88.17°E M: 6.9 Depth: 10 km

STAT CO PHASE P HRMM SECON
BEHE XZ EP 1250 39.51
BUD XZ EP 1250 28.56
CSKK XZ EP 1250 31.78
PSZ XZ EP 1250 24.69
SOP XZ EP 1250 38.44
TRPA XZ EP 1250 11.59
BEHE XE ES 1258 33.48
BUD XN ES 1258 13.95
PSZ XN ES 1258 05.58
CSKK XE ES 1258 16.74
SOP XE ES 1258 33.48
TRPA XE ES 1257 40.46

September 18 2011 Hour: 18:32:25.0 Lat: 37.9 °N Lon: 141.44°E M: 5.2 Depth: 50 km

STAT CO PHASE P HRMM SECON
PSZ XZ EP C 1844 29.36
SOP XZ EP 1844 38.40

September 19 2011 Hour: 08:06: 0.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ IPg 0806 19.40
CSKK XE ISg 0806 20.73

September 19 2011 Hour: 08:09:50.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ IPg 0810 05.87
CSKK XE ISg 0810 07.37

September 19 2011 Hour: 12:09:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
PSZ XZ IPg C 1210 12.22
PSZ XN ISg 1210 15.26
PSZ XN Lg 1210 17.93

September 20 2011 Hour: 10:34:49.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
PSZ XZ IPg 1035 12.47

PSZ XN ISg 1035 18.16
 PSZ XN Lg 1035 25.00
 PSZ XN IAML 1035 26.21

September 20 2011 Hour: 11:41:30.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 1141 46.51
 CSKK XN ISg 1141 47.82

September 20 2011 Hour: 20:59:14.0 Lat: 38.62°N Lon: 141.66°E M: 5.0 Depth: 53 km

STAT CO PHASE P HRMM SECON
 PSZ XZ IP C 2111 06.11

September 20 2011 Hour: 21:28:29.0 Lat: 18.80°S Lon: 169.15°E M: 5.2 Depth: 218 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 2147 38.03
 PSZ XZ EP 2147 30.19

September 22 2011 Hour: 03:22:36.0 Lat: 39.79°N Lon: 38.84°E M: 5.5 Depth: 5 km

STAT CO PHASE P HRMM SECON
 BEHE XZ IP 0326 40.88
 BUD XZ IP D 0326 28.51
 CSKK XZ EP 0326 32.81
 PSZ XZ EP 0326 21.22
 TRPA XZ EP C 0326 09.11
 TRPA XN ES 0329 00.39
 PSZ XE ES 0329 20.33
 CSKK XN ES 0329 44.25
 BUD XE ES 0329 44.25
 BEHE XE ES 0330 07.17

September 22 2011 Hour: 06:39:30.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ IPg C 0639 36.15
 CSKK XE ISg 0639 37.49

September 22 2011 Hour: 10:20:32.0 Lat: 4.16°S Lon: 102.97°E M: 5.3 Depth: 105 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP D 1033 12.85

September 22 2011 Hour: 23:07:12.0 Lat: 15.41°S Lon: 175.21°W M: 6.5 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 2326 49.10
 BUD XZ EP 2326 45.64
 PSZ XZ EP 2326 40.99
 SOP XZ EP 2326 45.24
 TRPA XZ EP 2326 39.53

September 23 2011 Hour: 03:07:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 TRPA XZ EPn 0309 00.62
 PSZ XZ EPn 0308 47.84
 PSZ XN Sn 0310 02.63

September 23 2011 Hour: 10:37:19.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn D 1037 59.62
 BEHE XE Sn 1038 15.99
 BEHE XE IAML 1038 16.83

September 23 2011 Hour: 12:13:27.0 Lat: 39.43°N Lon: 142.02°E M: 5.1 Depth: 60 km

STAT CO PHASE P HRMM SECON
 TRPA XZ EP C 1324 17.34
 SOP XZ EP C 1324 33.95
 PSZ XZ EP 1324 24.91

September 23 2011 Hour: 18:25:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn 1826 19.45
 BEHE XE Sn 1826 41.45

September 23 2011 Hour: 20:59:44.0 Lat: 40.54°N Lon: 21.39°E M: 4.0 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn 2101 30.53
 CSKK XZ EPn 2101 33.85
 PSZ XZ EPn 2101 32.82
 PSZ XN Sn 2102 58.09
 BUD XZ EPn 2101 28.67
 BEHE XN Sn 2102 39.21
 BUD XN Sn 2102 45.64
 CSKK XE Sn 2102 51.66

September 24 2011 Hour: 05:27:49.0 Lat: 17.30°S Lon: 1177.79°E M: 5.0 Depth: 400 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP D 0546 43.45
 SOP XZ EP D 0546 47.44

September 25 2011 Hour: 02:25:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn 0226 40.81
 CSKK XZ EPn 0226 45.74
 PSZ XZ EPn 0227 03.83
 TRPA XZ EPn 0227 19.29
 TRPA XN Sn 0228 23.59
 PSZ XE Sn 0227 56.62
 BEHE XN Sn 0227 16.50

September 25 2011 Hour: 13:17:10-0 Lat: 42.54°N Lon: 18.59°E M: 4.5 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn C 1318 15.35
 BUD XZ EPn 1318 25.43
 CSKK XZ EPn 1318 24.27
 PSZ XZ EPn C 1318 31.91
 TRPA XZ EPn 1318 43.09
 BEHE XN Sn 1319 06.41
 BUD XN Sn 1319 22.69

CSKK XN Sn 1319 18.03
 PSZ XE Sn 1319 31.99
 TRPA XN Sn 1319 53.58

September 25 2011 Hour: 16:23:27.0 Lat: 42.52°N Lon: 28.59°E M: 4.5 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EPn 1624 11.31
 PSZ XZ EPn 1624 28.07
 BEHE XN Sn 1625 01.60
 PSZ XE Sn 1625 29.27
 TRPA XN Sn 1625 48.25
 TRPA XZ EPn 1624 39.78

September 25 2011 Hour: 23:44:18.0 Lat: 49.88°N Lon: 18.51°E M: 3.8 Depth: 2 km

STAT CO PHASE P HRMM SECON
 CSKK XZ EPn 2344 59.55
 PSZ XZ EPn 2344 54.94
 TRPA XZ EPn 2345 08.91
 BEHE XZ EPn 2345 14.56
 BUD XZ EPn 2344 58.65
 BEHE XN Sn 2345 57.95
 CSKK XE Sn 2345 29.27
 PSZ XN Sn 2345 26.59
 BUD XN Sn 2345 28.82
 TRPA XN Sn 2345 41.60

September 26 2011 Hour: 01:02:56.0 Lat: 63.46°N Lon: 126.36°W M: 5.1 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 0113 48.93
 BUD XZ EP 0113 45.61
 CSKK XZ EP 0113 45.48
 PSZ XZ EP C 0113 44.01
 TRPA XZ EP C 0113 45.48

September 26 2011 Hour: 11:29:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ XZ IPg C 1130 17.02
 PSZ XN ESg 1130 20.77
 PSZ XN IAML 1130 24.28

September 27 2011 Hour: 06:46:17.0 Lat: 50.19°N Lon: 178.75°E M: 5. Depth: 34 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP D 0658 36.94
 PSZ XZ EP 0658 27.24

September 27 2011 Hour: 12:08:19.0 Lat: 34.22°N Lon: 23.67°E M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP 1211 24.91
 CSKK XZ EP 1211 30.76

September 27 2011 Hour: 15:06:17.0 Lat: 51.62°N Lon: 179.53°W M: 5.2 Depth: 80 km

STAT CO PHASE P HRMM SECON
 CSKK XZ EP D 1518 09.65

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

CSKK XE EP D 1518 09.43
PSZ XZ EP D 1518 05.53
TRPA XZ EP D 1518 01.98

September 29 2011 Hour: 11:43:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XN ISg 1144 09.29
CSKK XZ IPg C 1144 04.69
CSKK XZ ISg 1145 19.26

September 29 2011 Hour: 12:46: 3.2 Lat: 47.27°N Lon: 22.73°W M: 2.5 Depth: 3 km

STAT CO PHASE P HRMM SECON
TRPA XE Sn 1246 34.05
PSZ XZ EPn 1246 37.59
PSZ XN Sn 1247 02.62
TRPA XZ IPn C 1246 21.97

September 30 2011 Hour: 05:19:32.0 Lat: 22.64°S Lon: 171.49°W M: 5.2 Depth: 77 km

STAT CO PHASE P HRMM SECON
PSZ XZ EP C 0539 03.32
TRPA XZ EP C 0538 58.40

September 30 2011 Hour: 09:13:39.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ EPg 0913 43.32
CSKK XE ESg 0913 44.58

September 30 2011 Hour: 09:17:39.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ IPg C 0918 02.21
CSKK XE Sn 0918 03.33
CSKK XE Lg 0918 04.18

October 01 2011 Hour: 04:22:19.0 Lat: 13.00°N Lon: 95.83°E M: 5.4 Depth: 49 km

STAT CO PHASE P HRMM SECON
PSZ SZ IP C 0433 32.19

October 01 2011 Hour: 09:23:49.0 Lat: 51.81°N Lon: 172.15°E M: 5.8 Depth: 10 km

STAT CO PHASE P HRMM SECON
PSZ SZ IP D 0935 47.93
PSZ SZ IAML 0935 50.43

October 01 2011 Hour: 10:54:30.0 Lat: 48.98°S Lon: 164.50°E M: 5.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
PSZ SZ IP C 1114 22.31

October 01 2011 Hour: 22:04:56.0 Lat: 51.45°N Lon: 16.10°E M: 3.5 Depth: 2 km

STAT CO PHASE P HRMM SECON
PSZ SZ EPg 2206 18.59
PSZ SZ EPn C 2206 02.91
PSZ SN ES 2207 13.53
PSZ SN ESg 2207 13.48
TRPA SZ EPn C 2206 15.17

TRPA SN Sn 2207 11.61

October 02 2011 Hour: 10:14:33.0 Lat: 48.54°N Lon: 23.79°E M: 3.7 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPg		1016	10.57
BEHE	XN	Sn		1016	51.18
BUD	XZ	EPn		1015	24.39
BUD	XN	Sn		1016	06.21
BUD	XE	EPg		1015	36.13
PSZ	XZ	EPn	D	1015	15.98
PSZ	XN	Sn		1015	50.18
PSZ	XE	Sn		1015	51.12
STA	XZ	EPn		1015	05.02
STA	XZ	EPg		1015	09.92
STA	XN	Sn		1015	30.60
TRPA	XZ	EPn	D	1014	51.61
TRPA	XN	Sn		1015	04.27

October 02 2011 Hour: 16:49:42.0 Lat: 37.42°N Lon: 141.44°E M: 5.3 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	D	1701	14.58
TRPA	SZ	EP	D	1701	06.52

October 02 2011 Hour: 17:19:03.0 Lat: 49.86°N Lon: 18.51°E M: 3.5 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	IPn	C	1720	00.46
BEHE	XN	Sn		1720	42.12
BEHE	XE	Sn		1720	41.45
BUD	XZ	EPn		1719	48.48
BUD	XN	Sn	C	1720	26.03
PSZ	XZ	EPn		1719	39.83
PSZ	XN	Sn		1720	12.19
PSZ	XE	Sn		1720	13.53
TRPA	XZ	EPn		1719	56.45
TRPA	XN	Sn		1720	43.65

October 03 2011 Hour: 21:29:42.0 Lat: 43.91°N Lon: 19.81°E M: 2.9 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XN	Sn		2131	24.45
BEHE	XE	Sn		2131	24.43
CSKK	XZ	EPn		2130	39.95
CSKK	XN	Sn		2131	22.42
PSZ	XZ	EPn		2130	44.85
PSZ	XN	Sn		2131	31.06
BEHE	XZ	EPn		2130	36.14

October 04 2011 Hour: 01:37:28.0 Lat: 26.83°N Lon: 140.40°E M: 5.7 Depth: 451 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP	D	0149	43.18
BUD	XZ	EP	D	0149	34.50
CSKK	XZ	EP	C	0149	37.03
MORH	XZ	EP	D	0149	38.84
PSZ	XZ	EP		0149	31.24

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

TRPA XZ EP D 0149 24.27

October 04 2011 Hour: 02:37:54.0 Lat: Lon: M: Depth:
STAT CO PHASE P HRMM SECON

October 04 2011 Hour: 02:40:46.0 Lat: 45.58°N Lon: 26.53°E M: 4.8 Depth: 150 km

STAT CO PHASE P HRMM SECON

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BEHE XZ EPn D 0242 26.85

BUD XZ EPn 0242 07.38

CSKK XZ EPn 0242 14.75

MORH XZ EPn D 0242 08.43

PSZ XZ EPn 0242 02.12

BUD XN Sn 0243 13.95

BUD XE Sn 0243 12.90

CSKK XN Sn 0243 22.63

BEHE XN Sn 0243 49.63

PSZ XN Sn 0243 01.03

TRPA XN EPn C 0241 44.93

TRPA XN Sn 0242 17.58

TRPA XE Sn 0242 16.84

October 04 2011 Hour: 21:17:28.0 Lat: 21.55°S Lon: 169.98°E M: 5.0 Depth: 69 km

STAT CO PHASE P HRMM SECON

CSKK XZ EP D 2119 57.36

October 05 2011 Hour: 12:13:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

PSZ XZ EPg 1215 19.90

PSZ XN ESg 1215 23.48

PSZ XE ESg 1215 23.45

October 05 2011 Hour: 18:22:29.0 Lat: 51.34°N Lon: 16.01°E M: 3.9 Depth: 2 km

STAT CO PHASE P HRMM SECON

TRPA XZ EPn 1823 47.52

PSZ XZ EPn 1823 35.95

CSKK XZ EPn 1823 32.95

TRPA XN Sn 1825 09.36

October 05 2011 Hour: 23:52:20.0 Lat: 57.97°N Lon: 32.59°W M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON

MORH XZ EP 2358 53.67

TRPA XZ EP C 2359 15.67

PSZ XZ EP 2358 50.49

BUD XZ EP C 2358 47.50

CSKK XZ EP 2358 45.65

October 06 2011 Hour: 00:39:33.0 Lat: 57.95°N Lon: 32.58°W M: 5.6 Depth: 10 km

STAT CO PHASE P HRMM SECON

PSZ XN EP C 0046 08.49

MORH XZ EP 0046 08.49

TRPA XZ IP 0046 15.26

October 06 2011 Hour: 01:55:50.0 Lat: 41.27°N Lon: 22.73°E M: 3.6 Depth: 3 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EPn		0157	31.64
CSKK	XN	Sn		0158	52.11
BEHE	XZ	EPn		0157	29.58
TRPA	XZ	EPn		0157	17.54
TRPA	XN	Sn		0158	40.07
MORH	XZ	EPn		0157	13.03
MORH	XN	Sn		0158	22.03

October 06 2011 Hour: 06:26:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EPg		0628	25.25
CSKK	XN	ESg		0628	26.14

October 06 2011 Hour: 10:37:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EPg		1039	12.83
CSKK	XN	ESg		1039	16.42

October 06 2011 Hour: 11:59:55.0 Lat: 46.40°N Lon: 12.92°E M: 2.4 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		1200	40.63
BEHE	XN	Sn		1201	00.21

October 07 2011 Hour: 02:51:21.0 Lat: 41.73°N Lon: 141.91°E M: 5.2 Depth: 72 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XN	EP		0303	14.25
BUD	XZ	EP		0303	12.97
MORH	XZ	EP	C	0303	11.18
TRPA	XZ	EP		0303	14.57

October 07 2011 Hour: 06:30:18.0 Lat: 22.20°S Lon: 171.21°E M: 5.5 Depth: 100 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		0649	51.58
BUD	XZ	EP		0649	46.29
CSKK	XZ	EP		0649	47.82
STA	XZ	EP		0649	42.59
TRPA	XN	EP		0649	35.96
MORH	XZ	EP		0649	45.35

October 07 2011 Hour: 08:58:29.0 Lat: 32.34°S Lon: 178.88°W M: 6.1 Depth: 36 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP	C	0918	20.33

October 07 2011 Hour: 10:12:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EPg		1014	08.74
CSKK	XN	ESg		1014	10.92

October 07 2011 Hour: 14:37:09.0 Lat: 42.99°N Lon: 18.67°E M: 3.1 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	ESg	D	1437	20.43

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ XZ EPn 1438 25.36
PSZ XN Sn 1439 21.73

October 08 2011 Hour: 08:53:12.0 Lat: 20.56°S Lon: 173.17°W M: 5.9 Depth: 8 km

STAT CO PHASE P HRMM SECON
BEHE XZ EP 0913 02.31
BUD XZ EP 0913 00.61
CSKK XZ EP 0913 07.57
MORH XZ EP 0913 01.77
PSZ XZ EP 0912 59.54
TRPA XZ EP D 0913 01.50

October 08 2011 Hour: 13:21:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ EPg 1323 47.44
CSKK XN ESg 1323 49.16

October 08 2011 Hour: 19:10:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ EPg 1912 13.11
CSKK XN ESg 1912 13.48

October 09 2011 Hour: 21:23:58.0 Lat: 35.74°N Lon: 22.03°E M: 4.7 Depth: 30 km

STAT CO PHASE P HRMM SECON
PSZ XZ EP C 2126 00.33

October 09 2011 Hour: 22:58:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XN ESg 2300 53.73
CSKK XZ EPg 2300 52.41

October 09 2011 Hour: 23:51:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XN ESg 2353 46.48
CSKK XZ EPg C 2353 44.01

October 10 2011 Hour: 00:54:11.0 Lat: 14.47°S Lon: 167.87°E M: 5.3 Depth: 48 km

STAT CO PHASE P HRMM SECON
TRPA XZ EP 0126 26.32
PSZ XZ EP 0126 32.10
BUD XZ EP C 0126 36.84
CSKK XZ EP 0126 38.11
BEHE XZ EP 0126 45.43

October 10 2011 Hour: 11:49:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK XZ EPg 1150 59.84
CSKK XN ESg 1151 03.33

October 10 2011 Hour: 19:07:00.0 Lat: 37.19°N Lon: 22.02°E M: 4.8 Depth: 1 km

STAT CO PHASE P HRMM SECON
BEHE XZ EPn 1909 24.68
CSKK XZ EPn 1909 30.42

PSZ XZ EPn 1909 35.63
 STA XZ EPn 1909 23.92
 TRPA XZ EPn 1909 23.92

October 10 2011 Hour: 20:06:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg C 2008 22.81
 CSKK XN ESg 2008 24.70

October 11 2011 Hour: 01:21:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg C 0123 36.07
 CSKK XN ESg 0123 37.82

October 11 2011 Hour: 02:06:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 0208 31.50
 CSKK XN ESg 0208 33.25
 MORH XZ EPn 0208 52.59
 BUD XN Sn 0208 48.92
 MORH XN Sn 0209 07.76

October 11 2011 Hour: 10:14:28.0 Lat: 51.59°N Lon: 16.10°E M: 4.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
 SOP XE Sn 1016 26.61
 PSZ XZ EPn 1015 35.47
 SOP XZ EPn 1015 29.33
 PSZ XN Sn 1016 23.23

October 11 2011 Hour: 15:44:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 1546 40.77
 CSKK XN ESg 1546 46.62

October 11 2011 Hour: 16:46:58.0 Lat: 27.04°N Lon: 66.70°E M: 4.9 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP 1654 04.58
 MORH XZ EP 1654 05.35
 CSKK XZ EP 1654 06.95
 BEHE XZ EP 1654 07.02
 SOP XZ EP 1654 05.58
 TRPA XZ EP 1653 47.21

October 11 2011 Hour: 20:40:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 MORH XE ESg 2043 00.35
 MORH XZ EPg 2042 49.02

October 12 2011 Hour: 11:32:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ XZ EPg 1134 01.71
 PSZ XN ESg 1134 04.69

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

October 12 2011 Hour: 20:51:33.0 Lat: 35.36°N Lon: 30.21°E M: 4.5 Depth: 40 km
STAT CO PHASE P HRMM SECON
CSKK XZ EP 2055 06.36
PSZ XZ EP 2055 03.35

October 13 2011 Hour: 03:16:32.0 Lat: 9.44°S Lon: 114.61°E M: 6.1 Depth: 60 km
STAT CO PHASE P HRMM SECON
TRPA XZ EP 0330 21.86
PSZ XZ EP C 0330 09.36
MORH XZ EP D 0330 32.22
BUD XZ EP 0330 30.89
BEHE XZ EP D 0330 38.33
CSKK XZ EP 0330 17.07

October 13 2011 Hour: 04:13:59.0 Lat: 43.48°N Lon: 127.15°W M: 5.6 Depth: 10 km
STAT CO PHASE P HRMM SECON
PSZ XZ EP 0426 32.21

October 13 2011 Hour: 07:15:59.0 Lat: Lon: M: Depth:
STAT CO PHASE P HRMM SECON
CSKK XZ EPg C 0717 43.14
CSKK XN ESg 0717 44.40

October 13 2011 Hour: 07:20:59.0 Lat: Lon: M: Depth:
STAT CO PHASE P HRMM SECON
CSKK XZ EPg C 0722 29.09
CSKK XN ESg 0722 30.40

October 13 2011 Hour: 08:04:59.0 Lat: Lon: M: Depth:
STAT CO PHASE P HRMM SECON
CSKK XZ EPg 0806 21.57
CSKK XN ESg 0806 23.08

October 14 2011 Hour: 00:50:59.0 Lat: Lon: M: Depth:
STAT CO PHASE P HRMM SECON
CSKK XZ EPg 0051 18.76
CSKK XN ESg 0051 19.92

October 14 2011 Hour: 03:35:15.0 Lat: 6.61°S Lon: 147.98°E M: 6.5 Depth: 43 km
STAT CO PHASE P HRMM SECON
PSZ XZ EP 0354 02.65
CSKK XZ EP 0354 03.70
MORH XZ EP 0354 03.51
BUD XZ EP 0354 03.88
BEHE XZ EP 0354 02.90
TRPA XZ EP 0353 58.88

October 14 2011 Hour: 04:15:45.0 Lat: 51.62°N Lon: 16.17°E M: 4.2 Depth: 2 km
STAT CO PHASE P HRMM SECON
SOP XZ EPn 0416 47.56
SOP XN Sn 0417 47.20
CSKK XZ EPn 0416 52.87
TRPA XN EPn C 0417 09.10

PSZ XZ EPn 0416 54.15
 PSZ XN Sn 0417 39.00

October 14 2011 Hour: 06:10:14.0 Lat: 54.10°N Lon: 123.77°E M: 6.0 Depth: 10 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP C 0620 19.16
 TRPA XZ EP 0620 10.67

October 14 2011 Hour: 10:36:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 1037 56.00
 CSKK XN ESg 1037 57.45

October 14 2011 Hour: 22:41:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 2243 28.23
 CSKK XN ESg 2243 30.46

October 15 2011 Hour: 03:51:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 MORH XZ EPn 0352 54.51
 MORH XZ EPg 0352 55.91
 MORH XN Sn 0353 03.46
 BEHE XN Sn 0353 26.54
 BEHE XZ EPn 0352 59.72

October 15 2011 Hour: 16: 0:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 1601 56.45
 CSKK XN ESg 1601 58.43

October 16 2011 Hour: 04:24:42.0 Lat: 20.00°S Lon: 169.17°E M: 5.4 Depth: 53 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 0444 13.87
 CSKK XZ EP 0444 09.31
 SOP XZ EP C 0444 11.86

October 16 2011 Hour: 17:16:21.0 Lat: 40.71°N Lon: 28.15°E M: 5.4 Depth: 18 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP D 1728 31.51
 CSKK XZ EP 1728 26.53
 MORH XZ EP 1728 37.32
 BUD XZ EP 1728 12.82
 SOP XZ EP C 1728 42.32
 STA XZ EP 1728 13.35
 TRPA XZ EP 1728 01.66

October 16 2011 Hour: 20:14:22.0 Lat: 43.46°N Lon: 17.52°E M: 3.5 Depth: 2 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EPn 2015 32.34
 CSKK XZ EPn 2015 23.25
 CSKK XN Sn 2016 15.23
 SOP XZ EPn 2015 29.66

SOP XN Sn 2016 18.70
 BEHE XZ EPn 2015 16.46
 BEHE XN Sn 2015 49.43
 PSZ XN Sn 2016 31.76

October 16 2011 Hour: 20:19:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 2021 23.24
 CSKK XN ESg 2021 24.37

October 18 2011 Hour: 05:25:55.0 Lat: 5.76°S Lon: 151.02°E M: 6.0 Depth: 20 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP 0523 56.07
 BEHE XZ EP 0524 00.59
 CSKK XZ EP 0524 03.78

October 18 2011 Hour: 10:41:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 1043 37.36
 CSKK XN ESg 1043 39.08

October 18 2011 Hour: 10:52:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK XZ EPg 1053 51.01
 CSKK XN ESg 1053 52.39

October 19 2011 Hour: 02:52:40.0 Lat: 28.09°N Lon: 54.31°E M: 5.5 Depth: 12 km

STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 0259 29.99
 BUD XZ EP 0259 20.03
 CSKK XZ EP D 0259 16.92
 SOP XZ EP C 0259 34.14
 STA XZ EP 0259 36.49
 PSZ XZ EP 0259 16.01

October 19 2011 Hour: 19:33:19.0 Lat: 15.32°N Lon: 92.79°W M: 5.0 Depth: 90 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP 1941 19.28

October 19 2011 Hour: 20:04:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 SOP XE Sn 2006 21.66
 SOP XZ EPn 2006 07.18
 CSKK XN Sn 2006 30.33
 CSKK XZ EPn 2006 14.97
 PSZ XN Sn 2006 51.18

October 20 2011 Hour: 06:10:52.0 Lat: 44.45°N Lon: 9.42°E M: 4.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
 SOP XZ EPg 0612 47.30
 SOP XE Sn 0613 30.83

October 20 2011 Hour: 11:29:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EPg		1130	54.91
PSZ	XN	ESg		1130	57.64

October 20 2011 Hour: 22:24:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		2225	51.92
BEHE	XE	Sn		2226	08.80

October 21 2011 Hour: 08:02:37.0 Lat: 43.91°N Lon: 142.51°E M: 6.1 Depth: 182 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	IP	C	0814	15.78
BUD	XZ	IP	C	0814	06.70
CSKK	XZ	IP	D	0814	09.16
PSZ	XZ	IP	C	0814	02.67
SOP	XZ	IP	C	0814	11.63
STA	XZ	IP	C	0814	00.34
TRPA	XZ	IP		0813	55.15
MORH	XZ	IP	C	0814	12.15
MORH	XZ	EP	C	0814	12.02

October 21 2011 Hour: 08:22:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	ES	C	0823	38.78
CSKK	XZ	ES		0824	12.54
MORH	XZ	ES		0823	47.46
PSZ	XZ	ES		0823	28.55
SOP	XZ	ES		0823	46.62
STA	XZ	ES		0823	34.85
TRPA	XZ	ES	D	0823	39.90

October 21 2011 Hour: 17:57:18.1 Lat: 28.29°S Lon: 176.14°W M: 7.4 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
STA	XZ	EP	C	1817	07.51

October 22 2011 Hour: 22:55:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
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October 23 2011 Hour: 10:41:23.0 Lat: 38.78°N Lon: 43.40°E M: 7.2 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP	C	1046	07.18
BUD	XZ	EP		1045	54.32
CSKK	XZ	EP		1045	59.92
PSZ	XZ	EP		1045	49.93
SOP	XZ	EP		1046	11.41
STA	XZ	EP		1045	34.35
TRPA	XZ	EP		1045	32.15

October 23 2011 Hour: 10:53:41.0 Lat: 38.75°N Lon: 43.20°E M: 5.1 Depth: 7 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	IP	D	1101	25.04
CSKK	XZ	IS		1101	25.09

October 23 2011 Hour: 11:32:41.0 Lat: 38.82°N Lon: 43.33°E M: 5.9 Depth: 17 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	XZ	EP		1136	50.26
STA	XZ	EP		1136	51.70
SOP	XZ	EP		1137	29.29
PSZ	XZ	EP		1137	07.81
CSKK	XZ	EP		1137	17.11
BUD	XZ	EP		1137	11.87
BEHE	XZ	EP		1137	24.83

October 23 2011 Hour: 15:24:30.0 Lat: 38.61°N Lon: 43.09°E M: 4.9 Depth: 9 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP		1528	57.53
SOP	XZ	EP		1529	18.99
CSKK	XZ	EP		1529	07.11
BUD	XZ	EP		1529	02.11
BEHE	XZ	EP	C	1529	06.83
TRPA	XZ	EP		1528	33.48

October 23 2011 Hour: 15:57:58.0 Lat: 38.55°N Lon: 43.39°E M: 4.6 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	XZ	EP		1602	25.98
CSKK	XZ	EP		1602	35.51

October 23 2011 Hour: 18:10:45.0 Lat: 38.66°N Lon: 43.17°E M: 5.1 Depth: 12 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	EP		1815	34.12
PSZ	XZ	EP		1815	12.33
CSKK	XZ	EP		1815	21.65
BUD	XZ	EP		1815	16.99
BEHE	XZ	EP		1815	29.93
STA	XZ	EP		1815	06.15
TRPA	XZ	EP		1815	05.69

October 23 2011 Hour: 19:06:07.0 Lat: 38.80°N Lon: 43.39°E M: 4.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		1910	49.43
BUD	XZ	EP		1910	36.14
CSKK	XZ	EP		1910	42.79
PSZ	XZ	EP	C	1910	33.48
SOP	XZ	EP		1910	54.48
STA	XZ	EP	D	1910	09.30
TRPA	XZ	EP	D	1910	10.36

October 23 2011 Hour: 19:43:25.0 Lat: 38.70°N Lon: 43.17°E M: 4.7 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	XZ	EP		1948	13.77
CSKK	XZ	EP		1948	01.94
BEHE	XZ	EP		1948	11.54
PSZ	XZ	EP		1947	53.65
BUD	XZ	EP		1947	57.39
TRPA	XZ	EP		1947	28.43

October 23 2011 Hour: 19:48:56.0 Lat: 38.69°N Lon: 43.17°E M: 4.5 Depth: 7 km
 STAT CO PHASE P HRMM SECON
 CSKK XZ EP 1953 31.96
 PSZ XZ EP D 1953 24.25
 SOP XZ EP 1953 44.45

October 23 2011 Hour: 20:45:37.0 Lat: 38.64°N Lon: 43.22°E M: 6.0 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ IP C 2050 20.53
 BUD XZ IP 2050 07.50
 CSKK XZ EP 2050 11.76
 PSZ XZ IP C 2050 03.52
 SOP XZ IP 2050 25.31
 STA XZ IP 2049 45.71

October 24 2011 Hour: 05:54:58.0 Lat: 38.78°N Lon: 43.35°E M: 4.6 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 CSKK XZ EP 0559 33.82
 PSZ XZ EP C 0559 24.78
 TRPA XZ EP D 0559 00.59

October 24 2011 Hour: 06:34:59.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 BEHE XZ EPn 0636 02.03
 BEHE XE Sn 0636 24.18

October 24 2011 Hour: 07:53:49.0 Lat: 43.42°N Lon: 17.40°E M: 3.5 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EPn 0754 38.41
 CSKK XZ EPn 0754 52.13
 PSZ XZ EPn 0755 00.74
 CSKK XN Sn 0755 39.87
 PSZ XN Sn 0755 54.61
 BEHE XN Sn 0755 16.81

October 24 2011 Hour: 08:28:27.0 Lat: 38.67°N Lon: 43.56°E M: 4.7 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 CSKK XZ EP 0833 05.45
 PSZ XZ EP 0833 01.01

October 24 2011 Hour: 08:49:20.0 Lat: 38.68°N Lon: 43.63°E M: 4.7 Depth: 5 km
 STAT CO PHASE P HRMM SECON
 CSKK XZ EP 0853 56.35
 PSZ XZ EP D 0853 49.54

October 24 2011 Hour: 15:28:08.0 Lat: 38.70°N Lon: 43.13°E M: 4.9 Depth: 16 km
 STAT CO PHASE P HRMM SECON
 CSKK XZ EP 1532 42.63
 MORH XZ EP 1532 40.80
 PSZ XZ EP 1532 38.11
 SOP XZ EP 1532 58.61
 TRPA XN EP 1532 38.30

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BEHE XZ EP 1532 48.76
 TRPA XZ EP 1532 07.50

October 24 2011 Hour: 22:13:32.0 Lat: 38.72°N Lon: 43.18°E M: 4.7 Depth: 5 km

STAT CO PHASE P HRMM SECON
 CSKK XZ EP 2218 06.47
 MORH XZ EP 2218 14.24

October 25 2011 Hour: 00:32:18.0 Lat: 38.65°N Lon: 43.07°E M: 4.2 Depth: 7 km

STAT CO PHASE P HRMM SECON
 CSKK XZ EP 0036 53.43
 PSZ XZ EP 0036 42.32

October 25 2011 Hour: 14:55:08.0 Lat: 38.85°N Lon: 43.60°E M: 5.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BUD XZ IP C 1459 39.60
 CSKK XZ EP 1459 45.44
 MORH XZ IP 1459 38.80
 PSZ XZ EP 1459 35.34
 SOP XZ IP C 1459 57.67
 STA XZ EP 1459 20.73

October 25 2011 Hour: 17:08:51.0 Lat: 37.08°N Lon: 140.94°E M: 5.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
 TRPA XZ EP D 1720 55.80
 PSZ XZ EP D 1721 03.36

October 26 2011 Hour: 03:16:19.0 Lat: 38.70°N Lon: 43.20°E M: 4.7 Depth: 7 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 0320 50.13
 MORH XZ EP 0320 49.52
 PSZ XZ EP 0320 47.10
 SOP XZ EP C 0321 08.35
 TRPA XZ EP 0320 21.59

October 26 2011 Hour: 17:39:22.0 Lat: 49.86°N Lon: 18.45°E M: 3.0 Depth: 5 km

STAT CO PHASE P HRMM SECON
 PSZ XN Sn 1740 27.67
 PSZ XZ EPn 1739 59.12
 PSZ XZ EPg 1740 03.40

October 26 2011 Hour: 23:42:27.0 Lat: 38.64°N Lon: 43.16°E M: 4.7 Depth: 23 km

STAT CO PHASE P HRMM SECON
 PSZ XZ EP C 2346 57.50

October 27 2011 Hour: 00:15:25.0 Lat: 17.87°S Lon: 179.55°W M: 6.0 Depth: 619 km

STAT CO PHASE P HRMM SECON
 CSKK XZ EP C 0034 01.56
 BEHE XZ EP 0033 57.77
 BEHE XZ ES 0036 22.25
 BUD XZ EP 0033 59.59
 BUD XZ ES 0036 17.20
 MORH XZ EP 0034 02.74

MORH XZ ES	0036 21.46
PSZ XZ EP	0033 56.35
PSZ XZ ES	0036 15.34
SOP XZ EP	0034 01.01
SOP XZ ES	0036 19.33
TRPA XZ EP	0033 55.01
TRPA XZ ES	0036 17.20

October 27 2011 Hour: 08:04:22.0 Lat: 37.21°N Lon: 43.93°E M: 5.1 Depth: 10 km

STAT CO PHASE P	HRMM SECON
BUD XZ EP	0809 07.24
PSZ XZ EP	0809 01.12
SOP XZ EP	D 0809 24.78
CSKK XZ EP	0809 12.29
TRPA XZ EP	0808 41.46

October 27 2011 Hour: 09:08:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P	HRMM SECON
CSKK XZ EPg	0910 09.26
CSKK XN ESg	0910 11.12

October 27 2011 Hour: 10:18:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P	HRMM SECON
CSKK XZ EPg	C 1020 15.09
CSKK XN ESg	1020 17.21

October 27 2011 Hour: 11:17:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P	HRMM SECON
CSKK XZ EPg	1119 01.89
CSKK XN ESg	1119 03.65

October 28 2011 Hour: 01:35:30.0 Lat: 52.17°N Lon: 171.59°W M: 5.3 Depth: 53 km

STAT CO PHASE P	HRMM SECON
BEHE XZ EP	C 0147 41.85
BUD XZ EP	C 0147 36.09
CSKK XZ EP	0147 37.11
MORH XZ EP	0147 41.98
PSZ XZ EP	C 0147 32.49

October 28 2011 Hour: 11:22:46.0 Lat: 38.85°N Lon: 43.63°E M: 3.8 Depth: 2 km

STAT CO PHASE P	HRMM SECON
BEHE XZ EP	1127 32.37
BUD XZ EP	1127 24.71
PSZ XZ EP	C 1127 22.96
TRPA XZ EP	1126 51.09

October 28 2011 Hour: 22:48:04.0 Lat: 32.56°N Lon: 48.98°E M: 4.8 Depth: 53 km

STAT CO PHASE P	HRMM SECON
TRPA XZ EP	2253 26.23
PSZ XZ EP	2253 39.47
BUD XZ EP	2253 48.01
MORH XZ EP	2253 40.66
CSKK XZ EP	D 2253 50.49

October 29 2011 Hour: 04:13:34.0 Lat: 45.69°N Lon: 10.92°E M: 4.4 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EPn		0414	36.09
CSKK	XZ	EPn		0414	53.75
PSZ	XZ	EPn		0415	11.41
BEHE	XN	Sn		0415	49.34
CSKK	XN	Sn		0416	04.03
PSZ	XN	Sn		0416	31.36

October 29 2011 Hour: 18:45:50.0 Lat: 38.66°N Lon: 43.15°E M: 4.3 Depth: 7 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		1850	36.99
CSKK	XZ	EP		1850	27.23
MORH	XZ	EP	C	1850	29.71
PSZ	XZ	EP		1850	19.83
TRPA	XZ	EP		1849	53.68

October 29 2011 Hour: 22:24:23.0 Lat: 38.83°N Lon: 43.60°E M: 5.1 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		2229	09.96
BUD	XZ	EP		2228	58.00
MORH	XZ	EP		2228	55.34
PSZ	XZ	EP		2228	51.89

October 30 2011 Hour: 01:55:05.0 Lat: 38.72°N Lon: 43.58°E M: 4.5 Depth: 21 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EP		0159	46.16
PSZ	XZ	EP		0159	38.59

October 30 2011 Hour: 03:30:24.0 Lat: 38.93°N Lon: 43.53°E M: 3.7 Depth: 9 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		0335	42.48
BUD	XZ	EP		0335	34.41
CSKK	XZ	EP		0335	35.90
MORH	XZ	EP		0335	37.27
PSZ	XZ	EP		0335	28.33
TRPA	XZ	EP		0334	26.71

October 30 2011 Hour: 05:24:07.0 Lat: 37.77°N Lon: 144.49°E M: 5.2 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	XZ	EP		0536	29.50
PSZ	XZ	EP	D	0536	25.35
TRPA	XZ	EP		0536	23.74

October 30 2011 Hour: 11:52:28.0 Lat: 3.32°S Lon: 101.27°E M: 5.7 Depth: 37 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	XZ	EP		1205	18.84
CSKK	XZ	EP		1205	13.36
MORH	XZ	EP		1205	11.82
PSZ	XZ	EP	C	1205	08.73
TRPA	XZ	EP	D	1205	06.20

October 31 2011 Hour: 07:16:21.0 Lat: 52.39°N Lon: 178.00°E M: 5.8 Depth: 151 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 0728 58.80
 BUD XZ EP C 0728 51.68
 CSKK XZ EP D 0728 52.83
 PSZ XZ EP 0728 48.63

October 31 2011 Hour: 21:58:15.0 Lat: 32.61°N Lon: 105.33°E M: 5.7 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE XZ EP C 2209 04.55
 BUD XZ EP C 2208 52.98
 CSKK XZ EP 2208 56.29
 MORH XZ EP C 2208 57.11
 PSZ XZ EP 2208 48.30
 TRPA XZ EP 2208 36.32

November 01 2011 Hour: 00:21:25.0 Lat: 43.71°N Lon: 82.45°E M: 5.6 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0029 42.52
 BEHE SZ ES 0031 26.71
 MORH SZ IP C 0029 34.33
 PSZ SZ IP C 0029 23.58
 PSZ SZ ES 0031 02.87
 CSKK SZ EP C 0029 33.76
 CSKK SZ ES 0031 18.39
 TRPA SZ IP C 0029 09.11
 TRPA SZ ES 0030 44.43

November 01 2011 Hour: 00:21:25.0 Lat: 43.71°N Lon: 82.45°E M: 5.6 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ IP C 0029 43.34
 BEHE SN ES 0031 50.95

November 01 2011 Hour: 00:21:25.0 Lat: 43.71°N Lon: 82.45°E M: 5.6 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BUD XZ IP C 0029 29.11
 BUD XE ES 0031 14.70

November 01 2011 Hour: 23:56:33.8 Lat: 47.72°N Lon: 17.43°E M: 3.5 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EPn C 2356 54.62
 BUD XE Sn 2357 07.38
 BUD XN Sn 2357 07.89

November 02 2011 Hour: 00:01:51.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SN ESg 0006 39.09
 CSKK SZ EPg 0006 30.96

November 02 2011 Hour: 04:34:24.0 Lat: 38.70°N Lon: 43.57°E M: 4.7 Depth: 7 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP 0439 01.98
 PSZ SZ EP 0438 50.29

November 02 2011 Hour: 07:18:48.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 0723 43.50
 PSZ SE ESg 0723 45.27

November 02 2011 Hour: 09:12:53.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0916 35.70
 CSKK SE ESg 0916 36.99

November 02 2011 Hour: 09:12:53.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0916 54.57
 CSKK SE ESg 0916 56.23
 CSKK SN ESg 0916 56.37

November 02 2011 Hour: 11:43:53.0 Lat: 37.19°N Lon: 43.82°E M: 4.8 Depth: 2 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 1147 55.33
 TRPA SZ EP 1147 30.19

November 03 2011 Hour: 03:24:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SN ESg 0329 56.07
 PSZ SZ EPg 0329 40.98
 PSZ SN ESg 0329 49.07

November 03 2011 Hour: 03:27:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 BUD XZ EPg 0329 32.56
 BUD XE ESg 0329 36.70

November 03 2011 Hour: 09:16:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 0921 22.49
 BEHE SN Sn 0921 33.08
 CSKK SN Sn 0921 58.01

November 03 2011 Hour: 10:34:29.0 Lat: 35.86°N Lon: 139.97°E M: 5.1 Depth: 72 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1046 35.25
 TRPA SZ EP C 1046 27.82

November 04 2011 Hour: 15:43:45.0 Lat: 15.18°S Lon: 167.41°E M: 5.8 Depth: 141 km

STAT CO PHASE P HRMM SECON
 MORH SZ EP D 1602 56.87
 PSZ SZ EP C 1602 52.97
 SOP SN EP C 1602 44.66
 TRPA SZ EP 1602 50.39

November 04 2011 Hour: 21:31:35.0 Lat: 7.12°S Lon: 103.76°E M: 5.3 Depth: 31 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		2144	28.76
MORH	SZ	EP		2144	38.26
PSZ	SZ	EP		2144	31.83

November 05 2011 Hour: 21:36:35.0 Lat: 51.60°N Lon: 16.14°E M: 3.9 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SN	ES		2138	35.49
PSZ	SE	ES		2138	53.88
TRPA	SN	ES		2138	23.44
PSZ	SZ	EPn		2137	42.87
SOP	SZ	EPn		2137	38.51
TRPA	SZ	EP		2137	55.70
TRPA	SZ	EPn		2137	55.98

November 06 2011 Hour: 02:43:13.0 Lat: 38.92°N Lon: 43.51°E M: .7 Depth: 3 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	D	0247	43.88
SOP	SZ	EP		0248	06.70
TRPA	SZ	EP	D	0247	24.60

November 06 2011 Hour: 08:08:15.0 Lat: 54.36°N Lon: 162.72°W M: 5.5 Depth: 42 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0820	14.10
TRPA	SZ	IP	C	0820	08.74
PSZ	SZ	IP	C	0820	10.61
PSZ	SZ	EP		0820	16.71
SOP	SZ	IP	C	0820	12.23
SOP	SZ	EP		0820	17.77

November 06 2011 Hour: 18:34:54.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	IPg		1838	20.47
CSKK	SE	ESg		1838	22.44
CSKK	SN	ESg		1838	22.43

November 06 2011 Hour: 18:36:59.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
BUD	XN	ESg		1838	33.24
BUD	XE	ESg		1838	33.18

November 06 2011 Hour: 18:53:22.0 Lat: 20.80°S Lon: 178.57°W M: 4.9 Depth: 578 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		1912	08.07
MORH	SZ	EP		1912	19.50
SOP	SZ	EP	D	1912	08.92
PSZ	SZ	EP	D	1912	05.53
TRPA	SZ	EP	D	1912	02.56

November 06 2011 Hour: 18:53:22.0 Lat: 20.80°S Lon: 178.57°W M: 4.9 Depth: 578 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		1912	06.57

November 07 2011 Hour: 11:59:32.0 Lat: 36.64°N Lon: 71.17°E M: 5.6 Depth: 218 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1206	56.43
PSZ	SZ	EP	C	1206	38.36
PSZ	SN	ES		1208	14.70
SOP	SN	ES		1208	38.41
TRPA	SE	ES		1207	30.32
SOP	SZ	EP	C	1206	56.41
SOP	SZ	IP		1207	41.56
SOP	SZ	IS		1208	03.15
TRPA	SZ	EP		1206	21.61
TRPA	SZ	IS		1207	50.38

November 07 2011 Hour: 11:59:32.0 Lat: 36.64°N Lon: 71.17°E M: 5.6 Depth: 218 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		1206	43.34
BUD	XZ	IS		1207	50.64

November 07 2011 Hour: 11:59:32.0 Lat: 36.64°N Lon: 71.17°E M: 5.6 Depth: 218 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP		1215	21.44
TRPA	SZ	EP		1214	27.06
BEHE	SZ	EP		1213	31.95
SOP	SZ	EP		1215	59.17

November 07 2011 Hour: 11:59:32.0 Lat: 36.64°N Lon: 71.17°E M: 5.6 Depth: 218 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		1215	30.91

November 07 2011 Hour: 15:53:52.0 Lat: 38.62°N Lon: 43.66°E M: 4.6 Depth: 6 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP		1558	24.40
SOP	SZ	EP	C	1558	45.49
TRPA	SZ	EP		1558	03.80

November 07 2011 Hour: 22:14:16.0 Lat: 38.78°N Lon: 43.56°E M: 4.5 Depth: 7 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	2218	44.72

November 07 2011 Hour: 22:35:26.0 Lat: 11.60°N Lon: 85.80°W M: 6.0 Depth: 183 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	2248	04.06
BEHE	SZ	ESg		2248	48.09
BEHE	SZ	IS		2251	44.71
CSKK	SZ	EP		2248	06.96
CSKK	SZ	ESg		2248	52.93
CSKK	SZ	IS		2251	43.74
PSZ	SZ	EP	C	2248	11.32
PSZ	SZ	ESg		2248	57.29
PSZ	SZ	IS		2251	58.74
SOP	SZ	EP	C	2248	02.13
SOP	SZ	ESg		2248	44.71

SOP SZ IS 2251 39.87
 TRPA SZ EP 2248 18.09
 TRPA SZ ESg 2249 02.13
 TRPA SZ IS 2252 04.06

November 07 2011 Hour: 22:35:26.0 Lat: 11.60°N Lon: 85.80°W M: 6.1 Depth: 183 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 2248 53.42
 BUD XZ IS 2251 47.31

November 08 2011 Hour: 02:59:07.0 Lat: 27.35°N Lon: 125.76°E M: 6.9 Depth: 220 km

STAT CO PHASE P HRMM SECON
 CSKK SZ IP 0310 58.66
 BEHE SZ IP D 0311 05.07
 BEHE SZ EP 0312 25.06
 BEHE SZ ES 0314 19.69
 PSZ SZ IP D 0310 53.10
 PSZ SZ EP 0311 49.56
 PSZ SZ ES 0313 59.59
 SOP SZ IP D 0311 03.36
 SOP SZ EP 0312 07.10
 SOP SZ ES 0314 13.28
 TRPA SZ IP D 0310 42.83
 TRPA SZ EP 0311 45.28
 TRPA SZ ES 0313 46.33

November 08 2011 Hour: 02:59:07.0 Lat: 27.35°N Lon: 125.76°E M: 6.9 Depth: 220 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP D 0310 56.12
 BUD XN ES 0320 47.90

November 08 2011 Hour: 11:47:04.0 Lat: 43.32°N Lon: 21.00°E M: 3.6 Depth: 5 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 1148 11.34
 BEHE SN Sn 1149 01.59

November 08 2011 Hour: 22:05:50.0 Lat: 38.71°N Lon: 43.11°E M: 5.3 Depth: 6 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP C 2210 25.73
 PSZ SZ EP C 2210 15.76
 PSZ SZ ES 2213 58.46
 TRPA SZ EP 2209 56.48
 TRPA SZ ES 2213 25.94
 SOP SZ EP C 2210 38.08
 SOP SZ ES 2214 10.36
 BEHE SZ EP C 2210 33.53
 BEHE SZ ES 2214 29.01

November 08 2011 Hour: 22:05:50.0 Lat: 38.71°N Lon: 43.11°E M: 5.3 Depth: 6 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP C 2210 19.56
 BUD XE ES 2214 12.02

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

November 09 2011 Hour: 19:23:35.0 Lat: 38.42°N Lon: 43.29°E M: 5.7 Depth: 6 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1928	20.40
CSKK	SZ	EP		1928	13.37
PSZ	SZ	EP		1928	03.70
SOP	SZ	EP	C	1928	24.79
TRPA	SZ	EP		1927	45.43
PSZ	SN	ES		1931	46.78
TRPA	SN	ES		1931	15.46
SOP	SN	ES		1932	31.00
CSKK	SN	ES		1932	08.89
BEHE	SN	ES		1932	22.71

November 09 2011 Hour: 19:23:35.0 Lat: 38.42°N Lon: 43.29°E M: 5.7 Depth: 6 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	1928	02.24
BUD	XE	ES		1931	53.84
BUD	XN	ES		1931	52.90

November 09 2011 Hour: 22:01:03.0 Lat: 52.44°N Lon: 159.90°E M: 5.2 Depth: 40 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	D	2212	35.99
SOP	SZ	EP		2212	42.97
TRPA	SZ	EP		2212	30.32
CSKK	SZ	EP		2212	42.43
BEHE	SZ	EP		2212	48.54

November 10 2011 Hour: 17:25:39.0 Lat: 38.42°N Lon: 21.82°E M: 4.6 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPn		1727	55.17
BEHE	SZ	EPn		1727	47.48
PSZ	SZ	Sn		1729	43.85
PSZ	SZ	EPn		1727	59.87
TRPA	SZ	EPn		1728	00.23

November 10 2011 Hour: 17:25:39.0 Lat: 38.42°N Lon: 21.82°E M: 4.6 Depth: 5 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		1727	54.61

November 11 2011 Hour: 15:02:20.0 Lat: 17.69°S Lon: 172.98°W M: 5.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1522	12.15
CSKK	SZ	EP		1522	09.24
PSZ	SZ	EP		1522	05.90
SOP	SZ	EP		1522	08.59
TRPA	SZ	EP		1522	03.17
TRPA	SN	IS		1522	49.11
PSZ	SE	IS		1523	01.26

November 11 2011 Hour: 15:02:20.0 Lat: 17.69°S Lon: 172.98°W M: 5.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	1522	06.72

November 13 2011 Hour: 02:14:28.0 Lat: 47.32°N Lon: 18.09°E M: 1.1 Depth: 10 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0214 30.44
 CSKK SN ESg 0214 32.11

November 13 2011 Hour: 17:08:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 1713 28.82
 CSKK SN ESg 1713 29.76
 CSKK SE ESg 1713 29.75

November 14 2011 Hour: 05:34:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ IPg 0539 03.00
 CSKK SN ISg 0539 05.44
 CSKK SE ISg 0539 05.54

November 14 2011 Hour: 09:29:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0935 37.50
 CSKK SN ESg 0935 39.46
 CSKK SE ESg 0935 39.61

November 14 2011 Hour: 09:29:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0936 11.61
 CSKK SN ESg 0936 13.54
 CSKK SE ESg 0936 13.64

November 14 2011 Hour: 09:29:56.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0936 24.02
 CSKK SE ESg 0936 25.92
 CSKK SN ESg 0936 26.05

November 14 2011 Hour: 16:47:17.0 Lat: 38.61°N Lon: 43.01°E M: 4.6 Depth: 7 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP 1651 52.97

November 14 2011 Hour: 22:08:16.0 Lat: 38.75°N Lon: 43.17°E M: 5.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP D 2212 59.08
 CSKK SZ EP 2212 50.25
 PSZ SZ EP D 2212 42.25
 TRPA SZ EP 2212 20.56

November 14 2011 Hour: 22:08:16.0 Lat: 38.75°N Lon: 43.17°E M: 5.2 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BUD XZ EP 2212 43.76

November 15 2011 Hour: 07:56:04.0 Lat: 7.58°S Lon: 127.88°E M: 5.6 Depth: 184 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0814 52.02

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

PSZ SZ EP C 0814 36.30
TRPA SZ EP C 0814 22.99

November 16 2011 Hour: 00:43:57.0 Lat: 34.22°N Lon: 141.46°E M: 5.4 Depth: 30 km

STAT CO PHASE P HRMM SECON
CSKK SZ EP 0056 25.00
MORH SZ EP 0056 26.26
PSZ SZ EP 0056 19.49
TRPA SZ EP 0056 12.25

November 16 2011 Hour: 01:43:46.0 Lat: 17.47°S Lon: 173.67°W M: 5.5 Depth: 40 km

STAT CO PHASE P HRMM SECON
BEHE SZ EP C 0203 31.44
MORH SZ EP C 0203 29.17
PSZ SZ EP C 0203 26.31
TRPA SZ EP C 0203 23.29

November 16 2011 Hour: 01:43:46.0 Lat: 17.47°S Lon: 173.67°W M: 5.5 Depth: 40 km

STAT CO PHASE P HRMM SECON
BUD XZ EP C 0203 27.64

November 16 2011 Hour: 09:01:52.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK SZ IPg C 0905 11.56
CSKK SE ESg 0905 12.60

November 16 2011 Hour: 09:09:53.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
CSKK SZ EPg 0912 05.16
CSKK SE ESg 0912 07.34
CSKK SN ESg 0912 07.30

November 16 2011 Hour: 22:05:54.0 Lat: 65.22°N Lon: 145.85°E M: 5.2 Depth: 20 km

STAT CO PHASE P HRMM SECON
BEHE SZ EP 2216 13.35
CSKK SZ EP 2216 04.78
PSZ SZ EP 2215 56.01
TRPA SZ EP 2215 51.11

November 17 2011 Hour: 00:00:41.0 Lat: 41.97°N Lon: 20.21°E M: 3.6 Depth: 12 km

STAT CO PHASE P HRMM SECON
BEHE SZ EPn 0002 00.24
CSKK SZ EPn 0002 07.20
MORH SZ EPn 0001 46.48
PSZ SZ EPn 0002 09.71
TRPA SZ EPn 0002 16.30
CSKK SN Sn 0003 09.35
PSZ SN Sn 0003 17.81
BEHE SE Sn 0002 58.86
TRPA SN Sn 0003 07.01
MORH SN Sn 0002 42.36

November 17 2011 Hour: 02:37:19.0 Lat: 39.16°N Lon: 41.59°E M: 4.8 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 CSKK SZ EP 0241 41.03
 MORH SZ EP C 0241 33.19
 PSZ SZ EP 0241 31.15
 TRPA SZ EP 0241 12.28

November 17 2011 Hour: 02:37:19.0 Lat: 39.16°N Lon: 41.59°E M: 4.8 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP 0241 36.07

November 17 2011 Hour: 23:18:35.0 Lat: 51.63°N Lon: 16.07°E M: 4.0 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 2319 54.81
 CSKK SZ EPn 2319 44.31
 MORH SZ EPn 2320 00.45
 PSZ SZ EPn 2319 44.00
 TRPA SZ EPn 2319 57.47
 CSKK SN Sn 2320 44.47
 BEHE SN Sn 2321 13.37
 TRPA SN Sn 2321 21.28
 PSZ SE Sn 2320 54.42
 MORH SN Sn 2321 07.67

November 18 2011 Hour: 06:00:54.0 Lat: 33.67°N Lon: 38.53°W M: 5.3 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP 0609 07.92

November 18 2011 Hour: 11:59:54.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1203 47.03
 PSZ SN ESg 1203 49.95
 PSZ SE ESg 1203 50.10

November 18 2011 Hour: 12: 0:55.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 1204 37.90
 CSKK SN ESg 1204 39.03
 CSKK SE ESg 1204 38.86

November 18 2011 Hour: 17:39:40.0 Lat: 38.85°N Lon: 43.87°E M: 5.0 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP 1744 28.34
 CSKK SZ EP 1744 24.06
 MORH SZ EP 1744 17.57
 PSZ SZ EP 1744 10.52
 TRPA SZ EP 1743 51.19

November 18 2011 Hour: 17:39:40.0 Lat: 38.85°N Lon: 43.87°E M: 5.0 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 BUD XZ EP C 1744 15.19

November 19 2011 Hour: 19:27:39.0 Lat: 35.44°N Lon: 140.58°E M: 5.1 Depth: 40 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 1939 52.70
 TRPA SZ EP C 1939 46.05

November 19 2011 Hour: 22:05:58.0 Lat: 46.62°N Lon: 151.64°E M: 5.4 Depth: 80 km
 STAT CO PHASE P HRMM SECON
 MORH SZ EP 2217 50.57
 BEHE SZ EP 2217 55.11
 BEHE SZ IP 2218 31.25
 PSZ SZ EP C 2217 43.18
 PSZ SZ IP 2218 10.70
 TRPA SZ EP C 2217 36.36
 TRPA SZ IP 2217 45.00

November 19 2011 Hour: 23:13:20.0 Lat: 51.55°N Lon: 16.08°E M: 3.7 Depth: 2 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPn 2314 27.83
 PSZ SE Sn 2315 28.52

November 19 2011 Hour: 23:20:56.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 2324 33.15
 CSKK SN ESg 2324 34.25
 CSKK SE ESg 2324 34.36

November 20 2011 Hour: 01:23:41.0 Lat: 36.82°N Lon: 140.44°E M: 5.3 Depth: 10 km
 STAT CO PHASE P HRMM SECON
 PSZ SZ EP 0135 52.96
 TRPA SZ EP 0135 45.98

November 21 2011 Hour: 03:15:43.0 Lat: 24.98°N Lon: 95.22°E M: 5.9 Depth: 119 km
 STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0326 07.74
 CSKK SZ EP 0325 59.75
 MORH SZ EP 0325 58.53
 PSZ SZ EP C 0325 52.77
 TRPA SZ EP C 0325 41.30

November 21 2011 Hour: 03:15:43.0 Lat: 24.98°N Lon: 95.22°E M: 5.9 Depth: 119 km
 STAT CO PHASE P HRMM SECON
 BUD XZ IP C 0325 56.61

November 21 2011 Hour: 11:33:52.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 PSZ SZ EPg 1137 08.74
 PSZ SN ESg 1137 13.64
 PSZ SE ESg 1137 14.12

November 22 2011 Hour: 00:47:50.0 Lat: Lon: M: Depth:
 STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0054 16.93
 CSKK SN ESg 0054 19.12

CSKK SE ESg 0054 19.18

November 22 2011 Hour: 00:53:59.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

BUD XN Sn 0054 30.04

November 22 2011 Hour: 03:30:37.0 Lat: 38.62°N Lon: 43.31°E M: 4.7 Depth: 5 km

STAT CO PHASE P HRMM SECON

BEHE SZ EP 0335 22.85

CSKK SZ EP 0335 12.43

MORH SZ EP 0335 05.71

PSZ SZ EP 0335 04.09

TRPA SZ EP 0334 43.70

November 22 2011 Hour: 03:30:37.0 Lat: 38.62°N Lon: 43.31°E M: 4.7 Depth: 5 km

STAT CO PHASE P HRMM SECON

BUD XZ EP 0335 07.61

November 22 2011 Hour: 07:27:58.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK SZ IPg 0731 12.18

CSKK SZ EPg 0731 12.28

CSKK SN ESg 0731 13.86

CSKK SE ESg 0731 13.72

November 22 2011 Hour: 07:27:58.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK SZ EPg C 0731 27.20

CSKK SN ESg 0731 28.38

CSKK SE ESg 0731 28.25

November 22 2011 Hour: 07:27:58.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK SZ EPg C 0732 01.25

CSKK SN ESg 0732 02.42

CSKK SE ESg 0732 02.57

November 22 2011 Hour: 09:37:58.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON

CSKK SZ EPg 0942 14.28

CSKK SN ESg 0942 17.45

CSKK SE ESg 0942 17.92

November 22 2011 Hour: 15:30:22.7 Lat: 16.98°S Lon: 179.20°W M: 4.8 Depth: 540 km

STAT CO PHASE P HRMM SECON

BUD XZ EP C 1548 57.38

November 22 2011 Hour: 18:48:18.0 Lat: 15.27°S Lon: 65.07°W M: 6.6 Depth: 572 km

STAT CO PHASE P HRMM SECON

BUD XZ EP 1902 52.44

BUD XZ IP 1903 53.66

BUD XZ ES 1904 54.10

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

November 23 2011 Hour: 03:18:47.6 Lat: 47.44 °N Lon: 18.344°E M: 1.8 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EPg		0318	57.41
BUD	XN	ESg		0319	03.28
BUD	XE	ESg		0319	03.54

November 23 2011 Hour: 12:17:50.0 Lat: 34.40°N Lon: 25.90°E M: 5.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1221	01.96
CSKK	SZ	EP		1221	19.61
PSZ	SZ	EP		1221	15.51
TRPA	SZ	EP	C	1221	10.15

November 23 2011 Hour: 19:24:32.0 Lat: 37.24°N Lon: 141.40°E M: 6.1 Depth: 38 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		1936	45.14
TRPA	SZ	EP	C	1936	32.23
BEHE	SZ	EP	C	1936	50.40
BEHE	SN	ES		1940	10.79
MORH	SZ	EP	C	1936	47.05
MORH	SZ	ES		1939	54.53
PSZ	SZ	EP	C	1936	38.44
PSZ	SZ	ES		1939	42.57
TRPA	SN	ES		1939	42.57

November 23 2011 Hour: 19:24:32.0 Lat: 37.24°N Lon: 141.40°E M: 6.1 Depth: 38 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	1939	49.76

November 24 2011 Hour: 10:25:34.0 Lat: 41.89°N Lon: 142.70°E M: 6.2 Depth: 42 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1037	37.14
CSKK	SZ	EP		1037	29.47
PSZ	SZ	EP	C	1037	23.82
TRPA	SZ	EP	C	1037	17.76

November 24 2011 Hour: 10:25:34.0 Lat: 41.89°N Lon: 142.70°E M: 6.2 Depth: 42 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP	C	1037	28.28

November 25 2011 Hour: 07:18:51.0 Lat: 44.22°N Lon: 17.95°E M: 3.2 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		0719	31.48
BEHE	SN	Sn		0720	08.16
CSKK	SZ	EPn		0719	41.95
PSZ	SZ	EPn		0719	52.39

November 25 2011 Hour: 10:39:48.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		1044	28.98
PSZ	SN	ESg		1044	32.09
PSZ	SE	ESg		1044	32.17

November 26 2011 Hour: 23:59:52.0 Lat: 82.30°N Lon: 5.24°W M: 5.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0006	53.14
PSZ	SZ	EP		0006	48.79
MORH	SZ	EP		0007	02.51
TRPA	SZ	EP	D	0006	48.64

November 28 2011 Hour: 07:25:55.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg		0730	00.01
PSZ	SN	ESg		0730	02.42
PSZ	SE	ESg		0730	02.46

November 28 2011 Hour: 09:39:56.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	C	0943	42.03
CSKK	SN	ESg		0943	43.21

November 28 2011 Hour: 09:39:56.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg	C	0943	55.57
CSKK	SN	ESg		0943	56.97

November 28 2011 Hour: 21:19:53.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg		2122	57.18
CSKK	SN	ESg		2122	58.62
CSKK	SE	ESg		2122	58.71

November 29 2011 Hour: 00:30:30.0 Lat: 1.57°S Lon: 15.28°W M: 5.9 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		0040	14.89
MORH	SZ	EP		0040	09.20
PSZ	SZ	EP		0040	23.50
TRPA	SZ	EP		0040	31.45

November 29 2011 Hour: 00:30:30.0 Lat: 1.57°S Lon: 15.28°W M: 5.9 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		0040	17.42

November 29 2011 Hour: 01:59:51.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPg		0202	53.83
CSKK	SN	ESg		0202	55.24
CSKK	SE	ESg		0202	55.23

November 29 2011 Hour: 17:43:29.0 Lat: 4.34°S Lon: 102.13°E M: 5.3 Depth: 53 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	C	1756	24.69
CSKK	SZ	EP		1756	20.27
PSZ	SZ	EP		1756	14.57
TRPA	SZ	IP		1756	06.73
TRPA	SZ	EP		1756	06.77

November 29 2011 Hour: 18:35:59.0 Lat: 50.16°N Lon: 19.12°E M: 3.1 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		1836	41.79
PSZ	SN	Sn		1837	11.44
CSKK	SN	Sn		1837	20.79
CSKK	SZ	EPn		1836	52.45
BEHE	SZ	EPn		1837	00.52
BEHE	SN	Sn		1837	49.58
TRPA	SN	Sn		1837	43.02
TRPA	SZ	EPn		1836	56.92

November 30 2011 Hour: 00:27:09.0 Lat: 15.52°N Lon: 119.04°E M: 6.0 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP	D	0039	53.22
CSKK	SZ	EP		0039	47.68
PSZ	SZ	EP	D	0039	40.94
SOP	SZ	EP	D	0039	51.77
TRPA	SZ	EP	D	0039	31.79

November 30 2011 Hour: 00:27:09.0 Lat: 15.52°N Lon: 119.04°E M: 6.0 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
BUD	XZ	EP		0039	43.28

November 30 2011 Hour: 00:47:23.0 Lat: 38.52°N Lon: 43.41°E M: 5.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP		0051	34.11
SOP	SZ	EP		0052	17.07
PSZ	SZ	EP		0051	54.65
CSKK	SZ	EP		0052	00.98

November 30 2011 Hour: 00:47:23.0 Lat: 38.52°N Lon: 43.41°E M: 5.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0052	13.00

November 30 2011 Hour: 14:57:45.0 Lat: 22.20°S Lon: 176.63°W M: 5.5 Depth: 170 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	1517	18.00
SOP	SZ	EP		1517	21.29
TRPA	SZ	EP	C	1517	14.72

November 30 2011 Hour: 21:17:05.0 Lat: 51.49°N Lon: 16.01°E M: 4.0 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPn		2118	13.86
CSKK	SN	Sn		2119	13.07
SOP	SN	Sn		2119	05.58
SOP	SZ	EPn		2118	09.43
PSZ	SN	Sn		2119	12.04

December 01 2011 Hour: 11:20:31.0 Lat: 44.83°N Lon: 145.94°E M: 5.1 Depth: 150 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EP	D	1131	57.03
BUD	XZ	EP		1132	08.80

PSZ SZ EP D 1132 04.23
 SOP SZ EP D 1132 12.82

December 01 2011 Hour: 12:48:17.0 Lat: 38.32°N Lon: 76.90°E M: 5.3 Depth: 30 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP D 1256 24.49
 BUD XZ EP 1256 10.60
 CSKK SZ EP D 1256 15.16
 SOP SZ EP C 1256 23.25
 TRPA SZ EP D 1255 51.06

December 01 2011 Hour: 20:21:45.0 Lat: 17.92°S Lon: 178.58°W M: 5.0 Depth: 576 km

STAT CO PHASE P HRMM SECON
 SOP SZ EP 2040 27.08

December 01 2011 Hour: 21:35:10.0 Lat: 32.20°N Lon: 40.34°W M: 5.1 Depth: 10 km

STAT CO PHASE P HRMM SECON
 SOP SZ EP 2143 26.01

December 02 2011 Hour: 00:22:52.0 Lat: 33.93°S Lon: 58.04°E M: 5.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 0035 40.45
 SOP SZ EP D 0035 48.92
 PSZ SZ EP 0035 43.58
 CSKK SZ EP 0035 44.52
 BUD XZ EP D 0035 43.82
 BEHE SZ EP D 0035 43.74

December 02 2011 Hour: 08:24:53.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0827 01.48
 CSKK SE ESg 0827 03.04

December 02 2011 Hour: 08:24:53.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0827 36.51
 CSKK SE ESg 0827 37.76

December 02 2011 Hour: 19:37:47.0 Lat: 7.72°N Lon: 93.78°E M: 5.2 Depth: 30 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EP C 1949 23.73
 SOP SZ EP 1949 30.90
 BEHE SZ EP 1949 29.63
 TRPA SZ EP 1949 07.06
 PSZ SZ EP 1949 17.87

December 03 2011 Hour: 01:30:54.0 Lat: 38.76°N Lon: 43.97°E M: 4.7 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP D 0135 44.22
 BUD XZ EP D 0135 31.27
 CSKK SZ EP 0135 35.05
 PSZ SZ EP C 0135 30.42
 SOP SZ EP 0135 49.58

TRPA SZ EP 0135 05.73

December 04 2011 Hour: 15:55:29.0 Lat: 56.23°N Lon: 163.29°E M: 5.2 Depth: 30 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP C 1606 44.98
 SOP SZ EP 1606 56.44
 CSKK SZ EP 1606 55.56
 BUD XZ EP C 1606 53.68
 PSZ SZ EP 1606 50.24

December 04 2011 Hour: 22:15:03.0 Lat: 38.46°N Lon: 43.32°E M: 4.9 Depth: 24 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 2219 35.13
 CSKK SZ EP 2219 42.55
 SOP SZ EP 2219 54.67

December 05 2011 Hour: 01:01:10.0 Lat: 36.23°N Lon: 141.81°E M: 5.2 Depth: 2 km

STAT CO PHASE P HRMM SECON
 SOP SZ EP 0113 38.34
 PSZ SZ EP 0113 29.06

December 05 2011 Hour: 02:34:55.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg D 0236 45.47
 CSKK SN ESg 0236 47.73

December 05 2011 Hour: 08:17:29.0 Lat: 38.83°N Lon: 26.31°E M: 4.9 Depth: 15 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EPn 0819 53.00
 SOP SZ EPn 0820 10.49

December 05 2011 Hour: 12:30:26.0 Lat: 38.13°N Lon: 20.37°E M: 4.1 Depth: 2 km

STAT CO PHASE P HRMM SECON
 CSKK SN Sn 1234 25.86
 BEHE SN Sn 1234 06.77
 PSZ SN Sn 1234 34.02
 PSZ SZ EPn 1233 11.75
 CSKK SZ EPn 1233 05.60
 BEHE SZ EPg 1233 08.09

December 06 2011 Hour: 02:56:01.0 Lat: 38.82°N Lon: 43.64°E M: 4.6 Depth: 5 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP 0300 29.73
 CSKK SZ EP 0300 40.81

December 07 2011 Hour: 04:08:40.0 Lat: 20.34°S Lon: 174.26°W M: 5.4 Depth: 60 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 0428 23.67
 PSZ SZ EPg C 0428 23.56
 TRPA SZ EP 0428 21.06

December 07 2011 Hour: 09:11:58.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg 0914 14.99
 CSKK SN ESg 0914 15.63

December 07 2011 Hour: 22:11:42.0 Lat: 36.36°N Lon: 140.96°E M: 5.0 Depth: 41 km

STAT CO PHASE P HRMM SECON
 PSZ SZ EP C 2223 53.28

December 09 2011 Hour: 08:53:53.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 CSKK SZ EPg C 0855 43.68
 CSKK SE ESg 0855 45.07

December 09 2011 Hour: 17:53:54.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 PSZ SZ EPn 1755 51.68
 PSZ SE Sn C 1756 20.74

December 09 2011 Hour: 19:42:54.0 Lat: 47.09°N Lon: 144.58°E M: 5.7 Depth: 364 km

STAT CO PHASE P HRMM SECON
 SOP SZ EP D 1954 00.32
 PSZ SZ EP D 1953 51.61
 CSKK SZ EP 1953 57.76
 BUD XZ EP D 1953 55.59
 BEHE SZ EP 1954 04.68
 TRPA SZ EP D 1953 44.16
 TRPA SZ ES 2003 18.46
 SOP SN ES 2003 07.11
 CSKK SN ES 2003 04.89
 PSZ SN ES 2002 51.94

December 10 2011 Hour: 17:17:27.0 Lat: 43.76°N Lon: 16.77°E M: 3.6 Depth: 10 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPn 1718 25.73
 PSZ SZ EPn 1718 37.92
 CSKK SN Sn 1719 10.70
 PSZ SN Sn 1719 31.67
 BEHE SN Sn 1718 46.40
 BEHE SZ EPn 1718 11.83
 BEHE SZ EPg 1718 18.91

December 11 2011 Hour: 01:22:44.0 Lat: 28.10°N Lon: 129.43°E M: 5.8 Depth: 30 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0135 12.68
 CSKK SZ EP C 0135 05.68
 PSZ SZ EP C 0134 59.43
 TRPA SZ EP C 0134 50.42
 BUD XZ EP C 0135 03.12

December 11 2011 Hour: 01:47:26.0 Lat: 18.47°N Lon: 99.78°W M: 6.7 Depth: 61 km

STAT CO PHASE P HRMM SECON
 TRPA SZ EP D 0200 47.95

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

TRPA SE EPP 0204 40.04
PSZ SZ EP D 0200 43.28
PSZ SZ EPP 0204 37.26
CSKK SZ EP 0200 39.82
CSKK SZ EPP 0204 28.17
CSKK SN ES 0211 54.11
PSZ SN ES 0211 39.45
PSZ SN ESS 0218 19.47
TRPA SN ES 0211 46.44
TRPA SN ESS 0219 03.70

December 11 2011 Hour: 01:47:26.0 Lat: 18.47°N Lon: 99.78°W M: 6.7 Depth: 61 km

STAT CO PHASE P HRMM SECON
BEHE SZ EP C 0200 52.20

December 11 2011 Hour: 05:30:57.0 Lat: 24.07°S Lon: 178.62°E M: 5.5 Depth: 548 km

STAT CO PHASE P HRMM SECON
TRPA SZ EP D 0549 43.66
PSZ SZ EP D 0549 47.23
CSKK SZ EP C 0549 49.73
BEHE SZ EP 0549 52.30
BUD XZ EP 0549 47.66

December 12 2011 Hour: 09:28:40.0 Lat: 50.70°N Lon: 143.01°E M: 5.1 Depth: 10 km

STAT CO PHASE P HRMM SECON
TRPA SZ EP 0939 46.58
CSKK SZ EP 0940 00.38

December 12 2011 Hour: 17:04:43.0 Lat: 43.29°N Lon: 19.28°E M: 4.5 Depth: 3 km

STAT CO PHASE P HRMM SECON
BEHE SZ EPn 1705 41.37
BUD XZ EPn 1705 48.67
CSKK SZ EPn 1705 48.67
PSZ SZ EPn 1705 53.53
TRPA SZ EPn 1706 03.47
CSKK SN Sn 1706 38.74
TRPA SN Sn 1707 07.77
SOP SZ EPn 1705 56.55
BUD XN Sn 1706 38.66
BEHE SN Sn 1706 24.71
SOP SN Sn 1706 52.82
PSZ SN Sn 1706 47.51

December 13 2011 Hour: 07:52:0.03 Lat: 0.03°N Lon: 123.13°E M: 6.1 Depth: 165 km

STAT CO PHASE P HRMM SECON
CSKK SZ EP 0805 34.94
TRPA SZ EP C 0805 23.90
TRPA SZ EPP 0809 27.12
SOP SZ EP 0805 36.51
SOP SZ EPP 0809 55.20
PSZ SZ EP 0805 31.02
PSZ SZ EPP 0809 38.40
BUD XZ EP 0805 39.12

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

BUD XZ EPP 0809 44.16
 BEHE SZ EP 0805 42.71
 BEHE SZ EPP 0809 54.97

December 14 2011 Hour: 00:48:10.0 Lat: 15.37°S Lon: 174.73°W M: 5.8 Depth: 10 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP 0107 59.22
 CSKK SZ EP 0107 52.90
 PSZ SZ EP C 0107 49.90
 SOP SZ EP 0107 54.14
 TRPA SZ EP C 0107 46.17

December 14 2011 Hour: 05:04:57.0 Lat: 7.53°S Lon: 146.78°E M: 7.1 Depth: 125 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EP C 0523 39.09
 BUD XZ EP 0523 39.09
 CSKK SZ EP 0523 35.40
 PSZ SZ EP 0523 33.56
 SOP SZ EP 0523 37.99
 TRPA SZ EP 0523 29.13

December 14 2011 Hour: 12:35:57.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
 SOP SZ EPn 1238 01.99
 SOP SN Sn 1238 30.72

December 14 2011 Hour: 19:47:14.0 Lat: 42.93°N Lon: 17.89°E M: 4.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
 BEHE SZ EPn 1948 11.07
 BUD XZ EPn 1948 19.20
 CSKK SZ EPn 1948 21.45
 PSZ SZ EPn 1948 34.34
 SOP SZ EPn 1948 28.46
 CSKK SN Sn 1949 11.64
 PSZ SN Sn 1949 27.06
 SOP SN Sn 1949 23.98
 TRPA SN Sn 1949 49.21
 BUD XN Sn 1949 21.17
 BUD XN ESg 1949 46.64
 BEHE SN Sn 1948 55.27
 BEHE SN ESg 1949 11.85
 TRPA SZ EPn 1948 45.00
 TRPA SZ EPg 1949 08.81

December 14 2011 Hour: 21:21:49.0 Lat: 42.99°N Lon: 17.97°E M: 3.2 Depth: 2 km

STAT CO PHASE P HRMM SECON
 CSKK SZ EPn 2122 55.88
 CSKK SN Sn 2123 48.70
 TRPA SN Sn 2124 25.24
 TRPA SZ EPn 2123 19.72
 TRPA SZ EPg 2123 44.93

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

December 15 2011 Hour: 00:44:55.0 Lat: 50.24°N Lon: 176.42°W M: 4.9 Depth: 30 km

STAT CO PHASE P HRMM SECON
TRPA SZ EP D 0057 05.81

December 15 2011 Hour: 06:47:53.0 Lat: 43.24°N Lon: 20.05°E M: 3.1 Depth: 2 km

STAT CO PHASE P HRMM SECON
CSKK SZ EPn D 0649 01.13
CSKK SN Sn 0649 49.35

December 15 2011 Hour: 10:10:08.0 Lat: 32.72°S Lon: 178.92°W M: 6.0 Depth: 39 km

STAT CO PHASE P HRMM SECON
PSZ SZ EP 1030 01.16
TRPA SZ EP 1030 32.83

December 15 2011 Hour: 15:12:46.0 Lat: 31.71°N Lon: 141.56°E M: 5.7 Depth: 10 km

STAT CO PHASE P HRMM SECON
TRPA SZ EP C 1525 14.28

December 15 2011 Hour: 16:46:21.0 Lat: 45.34°N Lon: 14.82°E M: 3.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
BEHE SN Sn 1647 18.26
BEHE SZ EPn 1646 52.22
BEHE SZ EPg 1646 55.20
SOP SZ EPn 1647 04.11
SOP SN Sn 1647 38.14
SOP SN ESg 1647 46.47

December 16 2011 Hour: 06:55:45.0 Lat: 47.89°N Lon: 14.23°E M: 3.0 Depth: 2 km

STAT CO PHASE P HRMM SECON
SOP SZ EPn 0656 14.36
SOP SN Sn 0656 36.13
CSKK SN Sn 0657 05.48
BEHE SN Sn 0656 51.82
BEHE SZ EPn 0656 23.90
CSKK SZ EPn 0656 30.43
PSZ SN Sn 0657 31.94
PSZ SZ EPn 0656 43.46

December 17 2011 Hour: 12:21:40.0 Lat: 47.90°N Lon: 23.96°E M: 3.1 Depth: 3 km

STAT CO PHASE P HRMM SECON
TRPA SZ EPn 1221 59.35
PSZ SN Sn 1222 56.79
TRPA SN ESg 1222 12.82
TRPA SN Sn 1222 16.24
PSZ SZ EPn 1222 23.85
PSZ SZ EPg 1222 32.38

December 19 2011 Hour: 20:38:54.0 Lat: 45.72°N Lon: 26.42°E M: 3.3 Depth: 10 km

STAT CO PHASE P HRMM SECON
TRPA SZ EPn 2039 52.15
TRPA SE Sn 2040 31.96

December 20 2011 Hour: 12:57:49.0 Lat: Lon: M: Depth:

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPg	C	1259	56.62
PSZ	SN	ESg		1259	59.91

December 22 2011 Hour: 23:26:19.0 Lat: 41.81°N Lon: 19.26°E M: 4.0 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EPn		2327	49.35
PSZ	SZ	EPn		2327	49.99
TRPA	SZ	EPn		2327	58.95
BUD	XZ	EPn		2327	44.67
BEHE	SZ	EPn		2327	36.14
BEHE	SN	Sn		2328	33.47
BUD	XN	Sn		2328	44.55
CSKK	SN	Sn		2328	50.94
PSZ	SN	Sn		2328	58.40
TRPA	SE	Sn		2329	13.75

December 23 2011 Hour: 00:58:36.0 Lat: 43.49°S Lon: 172.94°E M: 5.8 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		0118	39.66
CSKK	SZ	EP		0118	34.23
PSZ	SZ	EP		0118	38.19
SOP	SZ	EP		0118	39.89
TRPA	SZ	EP		0118	34.34

December 23 2011 Hour: 04:27:12.0 Lat: 13.28°N Lon: 120.70°E M: 5.5 Depth: 37 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EP	C	0439	54.85
TRPA	SZ	EP	C	0439	46.44

December 23 2011 Hour: 12:02:03.0 Lat: 29.00°N Lon: 68.37°E M: 5.1 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
CSKK	SZ	EP		1209	59.87
PSZ	SZ	EP	C	1209	52.26
TRPA	SZ	EP	C	1209	38.14

December 24 2011 Hour: 07:13:48.0 Lat: 51.48°N Lon: 16.16°E M: 3.5 Depth: 1 km

STAT	CO	PHASE	P	HRMM	SECON
SOP	SZ	EPn		0714	47.45
SOP	SZ	EPg		0714	58.47
PSZ	SZ	EPn	D	0714	55.23
PSZ	SZ	EPg		0715	11.00
SOP	SE	Sn		0715	34.01
PSZ	SE	Sn		0715	46.43
PSZ	SE	ESg		0716	10.52
SOP	SN	ESg		0715	53.45

December 24 2011 Hour: 08:22:00.0 Lat: 41.87°N Lon: 19.21°E M: 3.7 Depth: 20 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		0823	19.39
CSKK	SZ	EPn		0823	25.08
PSZ	SZ	EPn		0823	31.21

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

TRPA SZ EPn 0823 38.25
PSZ SN Sn 0824 36.91
CSKK SN Sn 0824 27.03
BEHE SE Sn 0824 14.55
TRPA SE Sn 0824 51.19

December 25 2011 Hour: 05:35:36.0 Lat: 32.49°N Lon: 47.77°E M: 4.6 Depth: 34 km
STAT CO PHASE P HRMM SECON
PSZ SZ EP C 0541 08.48

December 26 2011 Hour: 01:19:56.0 Lat: Lon: M: Depth:
STAT CO PHASE P HRMM SECON
BEHE SZ EP 0121 12.29

December 26 2011 Hour: 02:49:32.0 Lat: 42.88°N Lon: 17.95°E M: 3.2 Depth: 5 km
STAT CO PHASE P HRMM SECON
BEHE SZ EPn 0250 29.13
CSKK SZ EPn 0250 42.40
PSZ SZ EPn 0250 49.27
SOP SZ EPn 0250 45.38
BEHE SN Sn 0251 13.31
CSKK SN Sn 0251 38.26
PSZ SN Sn 0251 47.42
SOP SN Sn 0251 41.92

December 26 2011 Hour: 04:48:07.0 Lat: 16.16°S Lon: 173.80°W M: 6.1 Depth: 69 km
STAT CO PHASE P HRMM SECON
BEHE SZ EP D 0507 45.18
BUD XZ EP D 0507 41.22
CSKK SZ EP 0507 42.18
PSZ SZ EP 0507 39.90
SOP SZ EP D 0507 42.30
TRPA SZ EP D 0507 36.42

December 26 2011 Hour: 13:05:31.0 Lat: 18.43°S Lon: 177.83°W M: 4.9 Depth: 595 km
STAT CO PHASE P HRMM SECON
BEHE SZ EP D 1324 14.34
BUD XZ EP D 1324 10.05
SOP SZ EP D 1324 12.02
TRPA SZ EP D 1324 05.39
PSZ SZ EP D 1324 08.51
CSKK SZ EP C 1324 11.18

December 26 2011 Hour: 16:12:35.0 Lat: 19.15°S Lon: 168.75°E M: 5.5 Depth: 60 km
STAT CO PHASE P HRMM SECON
BEHE SZ EP C 1632 02.89
CSKK SZ EP 1631 58.95
PSZ SZ EP 1631 59.60
SOP SZ EP 1632 01.44
TRPA SZ EP 1631 56.71

December 27 2011 Hour: 01:07:46.0 Lat: 39.62°N Lon: 16.89°E M: 3.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SN	Sn		0110	40.95
PSZ	SZ	EPn		0109	18.07
CSKK	SZ	EPn		0109	32.97
CSKK	SN	Sn		0110	55.04
PSZ	SN	Sn		0111	10.40
BEHE	SZ	EPn		0109	26.04
BEHE	SZ	EPg		0109	57.17

December 27 2011 Hour: 09:04:30.0 Lat: 31.22°N Lon: 140.42°E M: 5.4 Depth: 94 km

STAT	CO	PHASE	P	HRMM	SECON
TRPA	SZ	EPn		0916	47.85
PSZ	SZ	EPn		0916	55.14

December 27 2011 Hour: 15:21:57.0 Lat: 51.84°N Lon: 95.85°E M: 6.5 Depth: 10 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EP		1530	48.52
BUD	XZ	EP		1530	35.74
CSKK	SZ	EP		1530	38.76
PSZ	SZ	EP		1530	29.46
SOP	SZ	EP		1530	44.34
TRPA	SZ	EP		1530	16.56
TRPA	SZ	EPP		1532	03.51
CSKK	SN	ES		1537	37.17
CSKK	SN	EPP		1532	31.58
BUD	XN	ES		1537	37.17
BUD	XN	EPP		1532	26.62
TRPA	SN	ES		1537	05.71
TRPA	SN	ESS		1540	26.42
SOP	SN	ES		1537	51.69
SOP	SN	EPP		1532	38.12
SOP	SN	ESS		1541	18.88
PSZ	SN	ES		1537	28.70
PSZ	SN	EPP		1532	19.85
PSZ	SN	ESS		1540	50.08
BUD	XE	ESS		1541	05.51
BEHE	SN	ES		1537	58.96
BEHE	SN	EPP		1532	43.08
BEHE	SN	ESS		1541	44.94

December 27 2011 Hour: 18:53:48.0 Lat: 42.83°N Lon: 18.27°E M: 2.7 Depth: 2 km

STAT	CO	PHASE	P	HRMM	SECON
BEHE	SZ	EPn		1854	44.29
BEHE	SZ	EPg		1855	01.09
BEHE	SN	Sn		1855	34.15

December 28 2011 Hour: 00:56:06.0 Lat: 49.80°N Lon: 18.46°E M: 2.7 Depth: 12 km

STAT	CO	PHASE	P	HRMM	SECON
PSZ	SZ	EPn		0056	43.15
CSKK	SZ	EPn		0056	47.57
SOP	SZ	EPn		0056	46.29
PSZ	SN	Sn		0057	12.43

CHAPTER 4. REGIONAL AND TELESEISMIC EARTHQUAKES

SOP SN Sn 0057 17.55
CSKK SN Sn 0057 16.97
BEHE SN Sn 0057 42.88
BEHE SZ EPn 0057 01.70

December 29 2011 Hour: 09:05:51.0 Lat: Lon: M: Depth:

STAT CO PHASE P HRMM SECON
PSZ SZ EPg 0907 10.25
PSZ SE ESg 0907 13.00

December 29 2011 Hour: 19:40:24.0 Lat: 51.20°N Lon: 15.86°E M: 3.5 Depth: 10 km

STAT CO PHASE P HRMM SECON
PSZ SZ EPn 1941 26.17
SOP SZ EPn 1941 16.06
SOP SN ESg 1942 21.49
SOP SN Sn 1942 00.89
PSZ SN Sn 1942 18.90
PSZ SN ESg 1942 39.46

December 30 2011 Hour: 08:51:59.0 Lat: 5.92°S Lon: 104.30°E M: 5.5 Depth: 66 km

STAT CO PHASE P HRMM SECON
BEHE SZ EP C 0905 04.03
CSKK SZ EP 0905 00.04
PSZ SZ EP 0904 50.16
TRPA SZ EP C 0904 47.22
PSZ SE ES 0916 08.79

December 30 2011 Hour: 17:07:20.0 Lat: 30.84°N Lon: 138.32°E M: 5.1 Depth: 382 km

STAT CO PHASE P HRMM SECON
TRPA SZ EP D 1719 02.33
PSZ SZ EP C 1719 10.36

5. References

- Havskov, J. and Ottemoller, L., 1999. SeisAn Earthquake analysis software, *Seis. Res. Lett.*, 70(5), 532–534.
- Lee, W.H.K. and Lahr, J.C., 1975. HYPO71 (Revised): A computer program for determining hypocenter, magnitude, and first motion pattern of local earthquakes. U. S. Geological Survey Open-file report 75-311.
- Mónus, P., 1995. Travel time curves and crustal velocity model for the Pannonian basin. MTA GGKI Technical report
- Reasenber, P.A. and Oppenheimer, D., 1985. FPFIT, FPLOT and FPPAGE: Fortran computer programs for calculating and displaying earthquake fault-plane solutions, USGS Open File Report No. 85-739.
- Stammler, K., 1993. Seismic-Handler - Programmable multichannel data handler for interactive and automatic processing of seismological analyses. *Comput. Geosci.*, 19(2), 135–140.
- Zsíros, T., 1994. Macroseismic observations in Hungary (1989-1993), Seismological Observatory, Geodetic and Geophysical Research Institute, Budapest, pp. 44.

